SUPPORTING DOCUMENT FOR THE HISTORICAL TANK CONTENT ESTIMATE FOR

BY TANK FARM

WORK ORDER ER4945

Prepared for

Westinghouse Hanford Company

√ June 1994

Prepared by

ICF Kaiser Hanford Company
Richland, Washington

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7. Abstract

This Supporting Document provides historical in-depth characterization information gathered on BY-Tank Farm, such as historical waste transfer and level data, tank physical information, temperature data, sampling data, and drywell and liquid observation well data for Historical Tank Content Estimate Report of the NE Quadrant and the Hanford 200 East Areas.

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SUPPORTING DOCUMENT FOR THE HISTORICAL TANK CONTENT ESTIMATE FOR

BY TANK FARM

WORK ORDER ER4945

Prepared by

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Richland, Washington

for

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SUPPORTING DOCUMENT FOR THE HISTORICAL TANK CONTENT ESTIMATE FOR BY TANK FARM

ER4945

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1.0 Introduction

1.1 Purpose

This document provides historical evaluations of the radioactive mixed wastes stored in the Hanford Site 200-East Area underground single-shell tanks (SSTs). A Historical Tank Content Estimate has been developed by reviewing the process histories, waste transfer data, and available physical and chemical characterization data from various Department of Energy (DOE) and Department of Defense (DOD) contractors.

The historical data will supplement information gathered from in-tank core sampling activities that are currently underway. A tank history review that is accompanied by current characterization data creates a complete and reliable inventory estimate. Additionally, historical review of the tanks may reveal anomalies or unusual contents that are critical to characterization and post characterization activities. Complete and accurate tank waste characterizations are critical first steps for DOE and Westinghouse Hanford Company safety programs, waste pretreatment, and waste retrieval activities.

1.2 Scope

The scope of this document is limited to the SSTs in the BY Tank Farm of the northeast quadrant of the 200 East Area. For summarized characterization data on all SST's in the northeast quadrant, refer to the Historical Tank Content Estimate Report (Brevick 1994). The northeast and southeast quadrants represent an approximate geographical division of the 200-East Area tank farms. The division was made as follows:

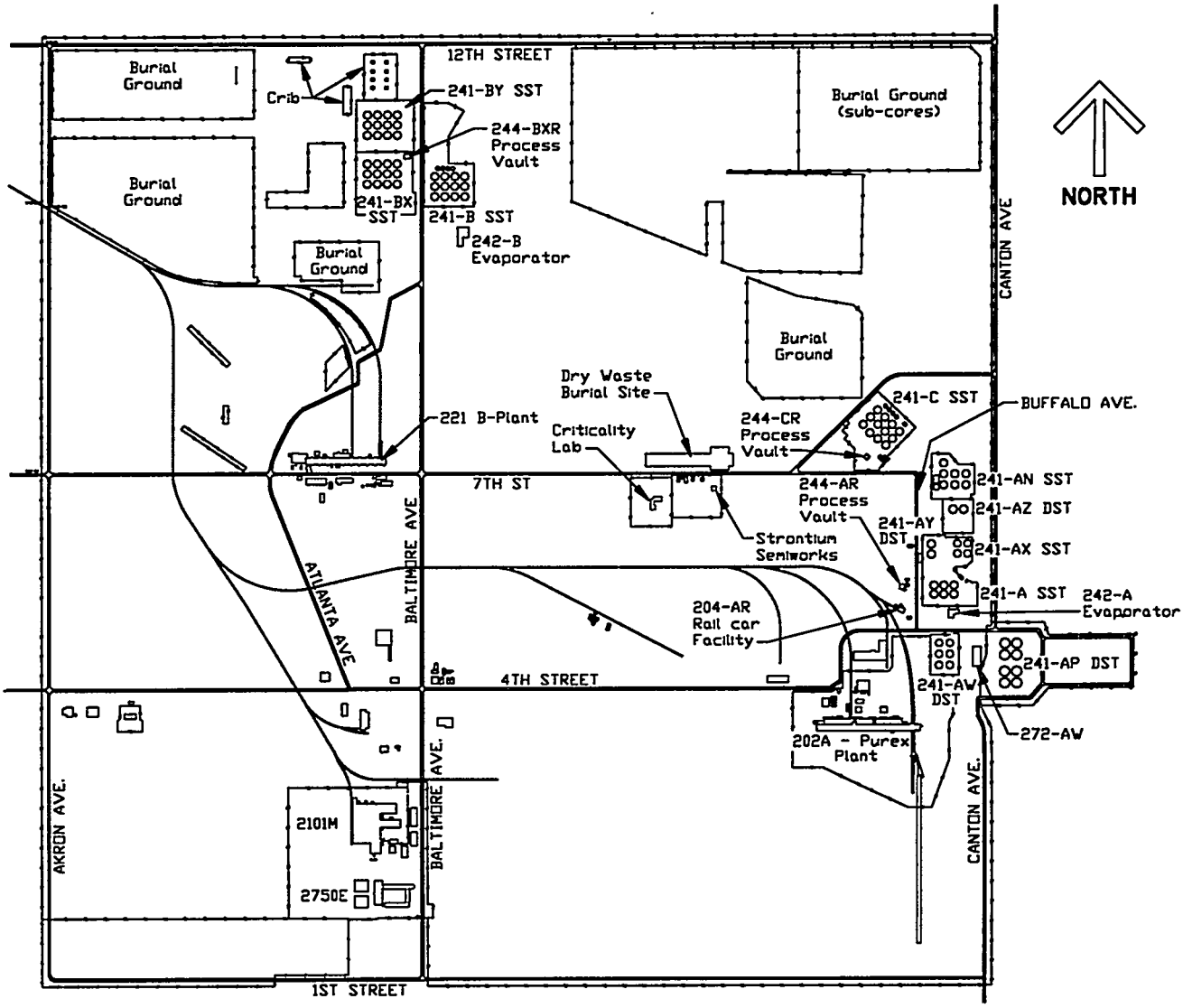
- NE Quadrant: A, AX, B, BX, BY, C
- SE Quadrant: AN, AZ, AP, AW, AY, SY

The following map depicts the 200-East Area.

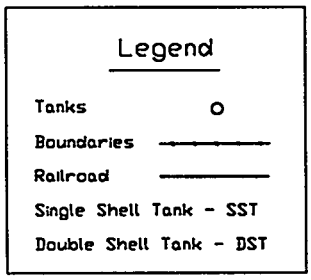
1.3 Approach

This report is a compilation of work performed by ICF Kaiser Hanford Company, Los Alamos National Laboratories, and Westinghouse Hanford Company.

Westinghouse Hanford Company requested that ICF Kaiser Hanford Company review the history of the tanks in each of the four quadrants and incorporate the tank layering models and inventory estimates being developed by Los Alamos National Laboratories into the report. Historical waste transfer and level data, tank physical information, temperature data, sampling data, and drywell and liquid observation well data have been compiled for this report.



200 East Area



1.3.1 Surveillance Techniques for the Hanford Radioactive Mixed Waste Storage Tanks

Surveillance information is used for tank characterization. Tank integrity (i.e., sound, assumed leaker, assumed re-leaker) is investigated by comparing the changing liquid levels to liquid observation well data and drywell activity. Waste temperatures can be used to correlate the inventories of heat-generating radionuclides (^{137}Cs and ^{91}Sr) in the tanks. The instrumentation and methods used for tank surveillance are described in the following sections.

- **In-Tank Surface Levels**

Surface levels within the SSTs are monitored by instruments consisting of calibrated steel tapes with an electrode plummet on the end that will complete a circuit when it contacts a conducting surface (i.e., liquid). The surface level measurements are usually taken with Food Instrument Corporation gauges and manual tapes. The tank monitoring device, manufactured by the Food Instrument Corporation, automatically moves up and down and contacts the waste. The gauge is often set to the intrusion mode by placing the plummet a short distance above the waste. If an intrusion occurs in the tank, the Food Instrument Corporation gauge will record the event when the surface level rises to meet the plummet. The manual tapes are similar to the Food Instrument Corporation gauge, except that manual operation of the tape and manual recording of the readings are required. Some tanks contain both types of level monitoring devices. The measurements are recorded on a computer automated surveillance system (CASS).

- **Interstitial Liquid Level (Liquid Observation Wells)**

Food Insturment Corporation gauges and manual tapes are limited to surface level measurement; therefore, liquid observation wells in many tanks have been installed specifically to monitor the interstitial liquid level within the SSTs. The interstitial liquid is the liquid trapped within and underneath the solid waste. Fiberglass or TEFZEL-reinforced epoxy-polyester resin liquid observation well tubes (by E.I. du Pont de Numours and Company) are sealed on the bottom and vertically installed approximately 1 in. from the tank bottom. Gamma, neutron, and acoustic probes may be lowered into the liquid observation wells to determine the interstitial liquid levels within the tank. A gamma probe detects the difference between saltcake and saltcake containing liquid, based on the principle that the liquid is the primary source of gamma emissions. A neutron probe distinguishes between the existing dry saltcake, wet saltcake, and liquid phases. Distinct differences exist in the neutron count rates of each material type. An acoustic probe emits a pulse that is reflected off the interface between the outer wall of the liquid observation well and the waste. A fiberglass/liquid interface produces a minimal reflected pulse and a fiberglass/air interface produces a maximum pulse reflection. Wet saltcake will fall between the limits appropriately; therefore, interpretation of the records will determine the liquid level. Each probe scan is fully automatic and

successful scans are input to the computer automated surveillance system.

- **Internal Tank Temperatures (Thermocouples)**

Temperatures usually are recorded automatically in the Computer Automated Surveillance System (CASS). Temperatures are monitored with thermocouple trees that are comprised of stainless steel pipe with 4 to 18 thermocouples. Usually, the lowest sensor is located approximately 4 in. from the tank bottom and the other sensors progress up the tree at 2-ft intervals. More frequent temperature readings are available for a few select tanks due to an upgrade in the surveillance data acquisition system to the tank monitor and control system (TMACS) in 1991.

Generally, a single thermocouple sensor is sent down the liquid observation well to take semiannual readings in tanks that do not contain a thermocouple tree. The temperatures are recorded manually in degrees Fahrenheit and are entered into the surveillance analysis computer system (SACS) that is currently using the ORACLE database.

- **External Leak Detection (Drywells)**

Drywells are located around the circumference of each SST and throughout the tank farms to determine if tank wastes have leaked. The drywells are generally 6-in. diameter carbon steel pipe, between 75- and 250-ft deep. The wells are termed dry because they are not deep enough to reach ground water. Scan profiles of radiation or moisture in the soil as a function of well depth are obtained with gamma radiation or neutron sensors. Scintillation monitors, Geiger-Mueller instruments, and neutron sensors are used to monitor the drywells. Scintillation monitors are radiation detection instruments based on the principle that light pulses are produced in some materials when they are exposed to radiation. Geiger-Mueller instruments detect low-level beta and gamma radiation. Neutron probes are equipped with a neutron source and detector that determine if moisture is present in the soil. The frequency of and probe used for drywell monitoring are specified in a schedule from the "Waste Storage Tank Status and Leak Detection Criteria" (Welty 1989).

Drywell readings are recorded at 1-ft intervals. The peak readings and the depth of the readings are recorded on a summary sheet. If a drywell indicates a new or unusual increase in activity, a rerun is requested and the drywell is retested. The wells are sealed when they are not being tested.

The drywells described in this report have a 6-digit computer identification number: the first two digits denote the tank farm (i.e., A=10, AX=11, B=20, BX=21, BY=22, and C=30), the third and fourth are the last two digits of the tank number (i.e., 241-A-105 would be 10-05 and 00 indicates a non-specific tank), and the fifth and sixth describe the clockwise location of the well from due north. For example, the identification number of the first drywell for Tank 241-BY-102 would be 22-02-01.

Laterals (i.e., horizontal drywells) are positioned under some SSTs to detect radionuclides in the soil which could be indicative of tank leakage. The drywells are monitored by radiation detection probes and occasionally by a temperature probe. Laterals have 4-in. inside diameter steel pipes located 8 to 10 ft below the concrete base of the tank, and each tank has three laterals. Laterals are located only in the A Tank Farm and a portion of the SX Tank Farm.

- **In-Tank Photography**

In-tank photography is another waste volume determination method used to resolve in-tank measurement anomalies and determine tank integrity. Photographs can help determine sludge and liquid levels, provide a degree of corroboration with other waste management processes, and are a source of information on foreign objects contained in the tanks. The photos can be compared to see if tank wastes with similar histories have similar characteristics.

1.3.2 Approach and Development of Supporting Information Contained in the Historical Tank Content Estimate and Supporting Documents

Extensive information was gathered for each tank. This document contains a comprehensive data set on each tank, that are summarized in the Historical Tank Characterization Estimates.

- **Tank Level Histories**

The tank level histories are graphical representations of waste levels over the lifetime of a tank. They include information such as pH, in-tank photo dates, waste types, transfer data, and physical data. Information from the mid 1940s to 1980 was compiled from two Westinghouse Hanford Company documents (Anderson 1990 and Welty 1988). Data from 1977 to the present were obtained from the monthly waste status summary reports. The following Hanford Site operating contractors prepared summaries: Atlantic Richfield Hanford Company from 1973 to 1977, Rockwell Hanford Operations from 1977 to 1987, and Westinghouse Hanford Company from 1987 to present. Script files were imported from a spreadsheet to AutoCAD 12 to graph the surface level data. Liquid observation well data were obtained from the Westinghouse Hanford Company Tank Farm Surveillance group in a spreadsheet format. Additional information was gathered from various documents and comments were added directly to each drawing.

The liquid, solid, and interstitial liquid levels (liquid observation wells data) are shown on the tank level history graphs as volumes and tank elevations. The following formulas were used to relate the volumes to the respective elevation for each tank farm design:

FORMULAS

$$\frac{Total\ Gallons}{2750\ \frac{Gallons}{Inch}} = Total\ Inches \tag{1}$$

$$\frac{Total\ Gallons - 12{,}500\ Gallons}{2750\ \frac{Gallons}{Inch}} + 12\ Inches = Total\ Inches \tag{2}$$

$$\frac{Total\ Gallons - 12{,}500\ Gallons}{2750\ \frac{Gallons}{Inch}} = Total\ Inches \tag{3}$$

$$\frac{Total\ Gallons - 18{,}500\ Gallons}{2750\ \frac{Gallons}{Inch}} + 12\ Inches = Total\ Inches \tag{4}$$

$$\frac{Total\ Gallons - 590\ Gallons}{196\ \frac{Gallons}{Inch}} + 6\ Inches = Total\ Inches \tag{5}$$

Equation No.	Applicable Tank Farms:	Tank Diameter
1	A, AN, AP, AW, AX, AY, AZ, SY	75 ft
2	BY, S, TX, TY	75 ft
3	B, BX, C, T, U	75 ft
4	SX	75 ft
5	B, C, T, U (200 Series)	20 ft

- **Temperature Plots**

There are two categories of temperature data, one or few temperature readings per day and thermocouple temperature data. The documentation used for the first category includes Waste Status Summary Reports (Roberts, R.E. 2/58 - 10/58, Thress, M.A. 11/58 - 2/59, Lentz, J.E. 3/59-12/60, and Roberts, R.E. 6/61 - 6/62), RHO-CD-1172, and HW-83906. The thermocouple temperature data were obtained from the Westinghouse Hanford Company ORACLE database commonly known as the Surveillance Analysis Computer System (SACS) and various retrieved hand-entered temperature data sheets. Temperature versus time plots were developed for both categories of temperature data. Historical temperature plots cover the time span between January 1957 and January 1973. The common temperature span used for these plots is 350 degrees. There are no tanks that have temperature data outside the sliding 350 degree temperature range.

No thermocouple information has been located prior to 1973. The thermocouple temperature information was parsed in an EXCEL spreadsheet and graphed to show each individual thermocouple probe. January of 1973 is then the starting date for all thermocouple plots. The temperature range for all tank thermocouple plots in all tank farms was kept to a 120 degree F span, except where the data exceeded this range. In the few tanks where the temperature span exceeds this sliding range the data are shown using the smallest temperature range possible. A consistent time frame and temperature range is essential in comparing temperature information from one tank to another. If documentation was available, thermocouple elevations were included in the plots for tanks currently containing thermocouple trees. Thermocouples are ordered from the bottom to the top of the tank. Therefore, a plot of thermocouple 1 over time would indicate the temperature near the bottom of the tank. In-tank temperature information is available in Appendix D.

- **Surface Level Plots**

The surface level data from 1991 to 1993 were obtained from the Westinghouse Hanford Company ORACLE database. The information was parsed in an EXCEL spreadsheet and graphed to show the waste level versus time. Current in-tank surface level information is available in Appendix E.

- **Drywell Plots**

The drywell information was obtained from the manual records of the Westinghouse Hanford Company Tank Farm Surveillance Group. Data from 1990 to the present were input into an EXCEL spreadsheet and graphed to show the peaks in counts/second (c/s) and the peak depths in feet (ft) versus the date on the same chart. Tank drywell information is available in Appendix F.

- **Tank Profiles and Other Drawings**

The drawings included in this report have been compiled from several sources including as-built drawings, the Waste Storage Tank Status and Leak Detection Criteria (Welty 1988), and the Riser Configuration Document for Single-Shell Waste Tanks (Alstad 1991).

The risers and penetrations throughout the tank dome are used for many purposes. Some risers were installed during the original tank construction and others were added later.

Through the years, sleeves or smaller risers were installed in many of the larger risers. For the riser configurations in this report, a tank may have a riser number followed by a letter which means that a larger riser was fitted with smaller sleeves. Depending on the intended use, the riser sleeves can be as large as 12 in. or as small as 4 in. For example, a saltwell pump and screen require a 12-in. riser but a thermocouple tree requires only a 4-in. riser. The tank profile drawings are in Appendix K.

- **Photographs**

The tank farm photos were labeled to indicate the relative position of each tank in the farm and arrows were added to show the cascade series of each tank farm.

The latest in-tank and tank farm photos were obtained from Pacific Northwest Laboratory. In-tank photos have been arranged to show the contents of each tank. The auxiliary equipment within each photo collage was identified if possible and labeled appropriately. The latest in-tank and tank farm photos are available in Appendix I.

- **Historical Sample Analysis Data**

The sampling data were obtained from the WHC Tank Waste and Retrieval Group. Tables were made for the samples that were taken prior to September 1989. The information was compiled in EXCEL to present the data in as similar a manner as possible. The tables include physical data, chemical analysis data by component, and radiological analysis data by component. Any other data included with the sample references are summarized as text. Tank historical sample analysis data are available in Appendix H.

1.3.3 Approach and Development of the Process-Based Historical Tank Content Estimate

The process-based historical tank content estimates presented in this report were taken from work being performed by Los Alamos National Laboratories. The tank content estimates are the primary source of tank characterization data until the tank characterization reports are completed. The tank characterization reports will incorporate current core sampling and analysis results with historical-based tank content estimates to present the most current evaluation of the tank waste constituents.

Generating historical tank content estimates involves management and evaluation of large quantities of data. Several smaller components of the data management effort make up the system of generating historical tank estimates. The components are described in the following sections.

- **Waste Status and Transaction Record Summary Database**

The waste status and transaction record summary database (i.e., transaction summary) is a database of all known waste transfer records. Historically, when waste was pumped from a process plant to tank or tank to tank, a record of the pumped waste volume and type was kept. The transaction summary is the recorded waste level of the solids and supernatant.

The waste status and transaction record summary database is being partitioned into four separate sections (i.e., quadrants). The waste status and transaction record summary database for the northeast quadrant is available in WHC-SD-WM-TI-615 Rev. 0 (Agnew 1994).

- **Tank Layering Model**

The tank layering model is derived from the waste status and transaction record summary database. The purpose of the tank layering model is to predict the waste types and volumes in each tank. The transaction summary database records the types of waste that enter each tank and the corresponding increase in the solids volume from each waste entry. Each waste type that increases the solids volume in the tank is recorded in the tank layering model. Therefore, the completeness and accuracy of the information in the tank layering model is directly related to the completeness and accuracy of the transaction summary database.

The tank layering model was created to develop historical tank content estimates. The results of the tank layering model are reported in this document. The tank layering model is presented graphically with the inventory estimate described below in Appendix K.

- **Defined Waste Types**

Early in the development of the historical tank content estimates, a need to compile the chemical compositions of all known waste types into one source document was recognized. This compilation was performed by Los Alamos National Laboratories. The Hanford defined waste document was developed independently of the waste status and transaction record summaries database and the tank layering model. However, the Hanford defined waste list will be used with the tank layering model to obtain the actual tank waste inventory estimates as described below.

The Hanford defined waste document gives the compositions for all known Hanford waste types that went into the double-shell and single-shell tanks. For more details of the methods used to develop these waste types, refer to the Hanford Defined Wastes Document (Agnew 1994).

- **Inventory Estimates**

The end result of combining the tank layer model and the Hanford defined waste types is the tank inventory estimate. When the volumes and compositions of each waste type in a particular tank are known from the tank layering model and the Hanford defined

wastes document, a calculation of the total chemical inventory in the tank is performed. The individual tank results are presented in tabular form in Appendix K.

The inventory estimates developed by Los Alamos National Laboratory are quality checked against existing data from current sample analyses, thermal and physical models, and historical records. The checking constitutes a large portion of the time required to develop the estimates. When estimates are checked against existing data, the models used may be reevaluated. Thus, the process of generating estimates will iterate and the associated errors will be reduced over time as the historical knowledge of the tank waste operations increases.

1.3.4 Assumptions

The quality of the historical information available for the tanks often requires that assumptions and judgement calls be made on the applicability and validity of the data. Some assumptions were used to interpret the data.

- **Temperature Data**

The lines joining the data points on the temperature plots were detached to show gaps in data of more than three years.

The single thermocouple tree in some tanks was removed and replaced with two trees. The original single thermocouple tree and tree 1 data were plotted on the same graph, and the tree 2 data were graphed separately.

No conclusion has been made on the status of thermocouples with less than 5 data points. In general, when there is thermocouple data with less than 5 data points, the data are retained on the temperature data sheets, but have not been plotted. Some possible explanations for the limited data are that the thermocouple failed, it was inoperable when readings were taken, or the operator misrepresented the number of thermocouples and the temperature data in the tank.

The thermocouples used in the trees were installed as purchased. There were no field calibrations before 1991. In 1991, a survey of Ferrocyanide Watch List thermocouple trees was conducted. The thermocouple tree probe temperatures were tested against probes inserted in liquid observation wells or by other methods as specified in Engineering Evaluation of Thermocouples in FeCN Watchlist Tanks, (Bussell 1992). Thermocouples, with equipment that could be repaired outside the tank, were made operable at this time.

It is assumed that the sinusoidal variances in the data can be attributed to seasonal and diurnal trends which are clear after 1991 due to an upgrade in thermocouple surveillance to a computerized data acquisition system, i.e., Tank Monitor and

Control System (TMACS). Also, in general, the temperatures decrease from the bottom to the top of the tanks.

All the temperature data received by ICF Kaiser Hanford Company was reviewed for suspect data points. Data that obviously deviate from the temperature trend for a any tank are marked as suspect and designated in the comment column as either "suspect data (low)" or "suspect data (high)". Typically, suspect data sharply deviates from the data trend 15 degrees F or more (See historical and thermocouple temperature data in Appendix D - Temperature Graphs and Data).

After review of the data, it was determined that some data was recorded in degrees Celsius rather than in degrees Fahrenheit as it was electronically received. The data are converted to Fahrenheit and evaluated against the rest of the data set. Where the converted data are found to be consistent with the temperature trend, they are designated in the comment column as "raw data - assumed degree C". Other delineations used to flag suspect data or substantiate the degree Celsius conversions are found from the Tank Waste Information Network System (TWINS) database, property of Battelle - Pacific Northwest Laboratory. Data recorded in degree C or input incorrectly and confirmed with TWINS are delineated in the comments column as: "degree C/TWINS confirm" and "wrong input/TWINS confirm", respectively (See historical and thermocouple temperature data in Appendix D - Temperature Graphs and Data).

In addition, some of the lines of data were flagged in the comment column by Westinghouse Hanford Company (WHC) before transmission of the data. Some of the WHC comment flags include "cass" or "SET#2 FROM CASS". It is assumed that "cass", an acronym for Computer Automated Surveillance System, applies to all the data taken on that particular day, and that "SET#2 FROM CASS" applies to the contiguous data designated under the TREE SET # column as 2 (See historical and thermocouple temperature data in Appendix D - Temperature Graphs and Data).

Sources of temperature data are located in the footnotes of both the temperature plots and data. Some Historical Temperature plots use data from Waste Status Summary Reports (Roberts, R.E. 2/58 - 10/58, Thress, M.A. 11/58 - 2/59, Lentz, J.E. 3/59-12/60, and Roberts, R.E. 6/61 - 6/62). If these reports are used, footnotes on the temperature plots indicate by including the source of data concisely as from "Waste Status Summary Reports" (See historical temperature plots in Appendix D - Temperature Graphs and Data).

- **Drywell Data**

The drywell data did not appear to have had a quality review; therefore, the following assumptions were made about the data:

-A data point is considered suspect if an apparent rerun has been performed.

-A data point is considered to be a rerun if the preceding data are erratic and the rerun is performed on the same day if monitored daily, within one or two days if monitored weekly, or within several days if monitored monthly or yearly.

-If suspect data were indeed relevant, the appropriate surveillance organizations would have followed the appropriate procedures to identify any problems.

- **Sampling Data**

The data obtained from the historical analytical information are understood to be widely variable in type, quality, and scope. The data range from process control data obtained from a grab sample on a few selected analytes to a total characterization suite performed on a core sample. There are no specific quantitative data quality criteria for the information incorporated into the historical tank content estimate. A qualitative assessment of the information sources is done during construction of the historical tank content estimate. The available data are assessed for suitability and consistency in the study and each data source is weighted appropriately for its contribution to the overall estimates.

When the sampling data were compiled, a sample was considered a solids sample if it was greater than 30% solids. Sludge/slurry samples were included.

- **Inventory Estimates**

Solid waste formations vary by type and are determined individually by examination of the historical fill records. Further refinement and bounding of the solids formation are provided by conformation to physically attainable systems (e.g., waste volumes contained in the tanks do not exceed the tank capacity and negative void fractions are not possible).

Waste stream compositions were based on process flow sheet information and previous analytical data.

Solids were evenly distributed throughout tank. The solids were assumed to be evenly distributed throughout the slurry during their transfer and their settling rate was assumed to be uniform throughout the tank.

Complete settling of the sludge occurred and the solids settled in a pseudo-pancake formation (i.e., flat layers conforming to the boundaries of the tank) which was a simplifying assumption. Localized mounding and pocketing in various areas of the tank may have occurred due to inlet/outlet phenomena (e.g., cascades and transfers from the floating suction pumps that remove or deposit sludge). This phenomenon would have affected only a small fraction of the tank area and does not impact the overall results of this study. However, spatial variability within physical configuration and process history is acknowledged. No method is currently available that would adequately model this discrepancy. An effort

is underway to develop this concept and incorporate it into the tank characterization process, but it is incomplete at this time.

Solids from a specifically designated waste type are homogeneous, which is a simplifying assumption. Variation and layering of the sludge due to component concentration differences between batches, precipitate particle size, and particle density were quite likely. The effect of these factors on the distribution of analytes within the solids is unknown; however, the effect was probably small and not detectable with the present sample collection and analysis process.

Solids compaction did not occur and was not accounted for in the study which is a simplifying assumption. Although compaction probably occurred in the history of the tanks because of the formation of additional solids layers on top of each other, the degree of compression was not known and, therefore, was not incorporated.

Density and other physical characteristics of the solids were determined by individual waste type using available information or were based on approximate physical analogues.

The capacity of the tanks was never exceeded during transfers. Tank capacity is dependent on fill status, fill order, tank location in a cascade, and tank type.

Leaking of the tanks was not incorporated during the time of the study but was accounted for at the end.

Cascades, tank transfers, and crib line effluents were normally free of particulate; therefore, the majority of solids were confined to their initial receiver tanks and were not cribbed or transferred extensively from tank to tank. This assumption based on cases of plugged cascade lines when appreciable amounts of solids tried to cascade, and the pumping equipment typically was not designed to transfer of substantial quantities of solids (except when sluicing or specifically transferring solids). Monitors on the crib discharge lines should have indicated significant solids contamination, and the tank farm operating procedures would have prevented solids discharges to the ground.

1.4 Historical Information Quality

The quality of historical data compiled for this report varied greatly. Some data came from published documentation. Other data were retrieved electronically from various Westinghouse Hanford Company databases. The quality of data used in the estimates is described in the following section.

- **Level Histories**

The level history narrative is designed to give a general description of the waste types contained in a specific tank from startup to the present. The history presents physical

characteristics of the waste such as waste pH values and the latest maximum temperature of the waste. It also presents information on when the tank was removed from service, if it was stabilized, the method of stabilization, if it ever leaked, and the current stabilization status. It is not designed to be a detailed summary of every waste type and transaction for that tank. The waste types are general and usually are given only for large transactions (i.e., if a waste is not of sufficient volume to significantly impact the total volume of the tank then it was not reported in the narrative). For a more complete record of transactions and types of wastes involved, see the waste status and transaction record summary (Agnew 1994).

The accuracy of the tank level histories relies on the completeness of the Westinghouse Hanford Company document "A History of the 200 Area Tank Farms" (Anderson 1990); the monthly Westinghouse Hanford Company, Atlantic Richfield Hanford Company, and Rockwell Hanford Operations waste summary reports; and the waste status and transaction record summary (Agnew 1994).

Surface level readings may be affected by several factors: plummet error, flushing water accumulation, and waste surface irregularities. Crystalline wastes (i.e., saltcake) can build up on the end of the plummet gradually and contact the waste which indicates a false surface level increase. Significant level discrepancies occur when the buildup breaks off or when the measuring instrument plummet is flushed to remove the saltcake buildups. Flushing the Food Instrument Corporation Gauge, manual tapes, or any other equipment may cause accumulated wash water to collect under the plummet which indicates a false increase in the overall volume of waste within the tank. Surface level readings often are difficult to obtain from tanks that have a relatively dry saltcake surface. Some tanks have crystalline buildup on in-tank equipment (i.e., pumps, thermocouples, liquid observation wells, and other protruding equipment). As the supernatant is pumped from the tanks, the crystalline structure may remain attached to the equipment and be suspended above the liquid. Therefore, an accurate surface level measurement would be difficult if the breakup of the crystalline structure was inconsistent and a nonuniform waste surface was created. Steel tapes that are bent or warped from operation or those discarded on the waste surface are other sources of altered surface level readings.

Routine measurements of solids and sludges in most SSTs were not reported in the Anderson document until 1965. The solids measurements are taken with a steel donut on a string and operators interpret the sludge level. The interpretation could introduce a wide range of variability in the recorded solids level. Sometimes estimates taken from photographic data and saltwell pumping activities are the only indications of the solids levels.

- **Liquid Observation Well Data**

The liquid observation well data were obtained electronically from the Westinghouse Hanford Company Surveillance Group. Some

discrepancies exist in the liquid observation well readings for tanks with liquid waste surfaces. The discrepancies were supposed to be addressed in a December 1993 rebaselining of the liquid observation well data. Agreement between the liquid observation well plots and the data obtained from the surveillance group has been verified; however, errors in the data prior to the exchange of information could still exist. The liquid observation well data were understood to be unverified prior to the exchange. Therefore, the data should be reviewed before being used for any design purposes or safety evaluations.

- **Temperature Readings**

The single-shell tank temperature profiles are provided by electronic data from Westinghouse Hanford Company. Agreement between the thermocouple plots and the data obtained from the surveillance group has been verified; however, errors in the data prior to the exchange of information could still exist. Thermocouples used in the thermocouple trees were purchased and installed according to the American Society of Testing and Materials (ASTM) standard. There were no field calibrations before 1991 when a survey of Ferrocyanide Watch List thermocouple trees was conducted and a few of the thermocouple trees were compared against a thermocouple probe inserted in a liquid observation well.

During a review of the plots, some thermocouples were found to have outlying data points and many of them have only one or two readings. The unusual readings may be the result of the thermocouples functioning on only one occasion, the operator misrepresenting the number of thermocouples in the tank, unnecessary thermocouples readings, or possible thermocouple failure.

Occasionally the operator would read the temperature in degrees celsius instead of degrees fahrenheit and would not indicate this on the data sheets. The thermocouple data were understood to be unverified prior to the exchange. An attempt has been made by ICF Kaiser Hanford to validate and verify the data, however, the data should be checked before being used for any design purposes or safety evaluations.

- **Surface Level Data**

The surveillance automated computer system data were obtained electronically from the Westinghouse Hanford Company Surveillance Group and were plotted. The data are actual surface levels recorded from the surveillance equipment. If the surveillance equipment in a particular tank riser was removed from service, the readings may show a level change when a new instrument and/or riser is used, especially if the waste surface shows severe heterogeneity.

Agreement between the plots and the data obtained from the surveillance group has been verified; however, errors in the data prior to the exchange of information could still exist. The surveillance automated computer system data were understood to be

unverified prior to the exchange. Therefore, the data should be reviewed before being used for any design purposes or safety evaluations.

- **Drywell Data**

The drywell information is received on data sheets for each drywell. If the readings are questionable, Westinghouse Hanford Company often will request a rerun of the drywell scan. Because the reruns are not indicated on the data sheets, it can be difficult to determine if the data sheet has been superseded. In some wells, several scans occurred on the same day with no explanation; therefore, the scan with the accepted results is not identifiable.

- **Riser Configuration**

The riser configuration was determined from the WHC Riser Configuration Document for Single-Shell Waste Tanks (Alstad 1991). The information was current as of June 1991; therefore, any changes made after that date would not be included.

- **Photographs**

The photo collages were made from the latest available in-tank photographs. In some tanks, photos have not been taken since the early 1970s. Some tanks had fogging problems in the vapor space which prevented use of the latest photos. Sometimes a review of the older photos was useful to determine the waste changes. Collages made from older photos may not be indicative of current tank contents, especially if the tank has been pumped since the last photo date.

- **Historical Sample Analysis Data**

The historical sample results only refer to sample and analysis information obtained before August 1989. The historical sample and analysis results have not been validated by the characterization program. When validation occurs, they will be reissued in a later revision of the Historical Tank Content Estimate report and supporting documentation. The sample data often were retrieved from memos that indicated the results of the sample analysis. The analytical methods, holding times, and quality control information are unavailable. The location at which the sample was taken was not provided which leads to integration of some uncertainty into the sampling results. The analytical scope performed in many cases was quite narrow which limited the available data set. However, the data set is the only available historical chemical characterization information.

1.5 Background NE Quadrant

The SSTs located on the Hanford Site near Richland, Washington were built between 1943 and 1964 to provide interim storage for high-level nuclear wastes. Processes such as plutonium separation from spent nuclear fuel and uranium metal recovery generated the millions of gallons of mixed radioactive hazardous waste solutions stored within these tanks.

Several waste tanks are on watch lists. The definition of a watch list tank is explained in a later section of this report. Wastes stored in the NE quadrant were generated mostly from Plutonium Uranium Extraction (PUREX) and a Bismuth Phosphate Plant (B Plant); however, some tanks in the quadrant received wastes from the other onsite separation processes. The separation processes went through many changes as new technologies became available. Liquid waste volumes were reduced by evaporators, in-tank solidification units, or chemical precipitation of radionuclides. The resulting supernatant was disposed of in the ground. Vaults were used for temporary storage or treatment of waste and they were the intermediate storage point for tank waste or waste awaiting further processing. A special rail car facility in the NE quadrant was used to unload onsite waste that was distributed to an evaporator, tanks, or processing facilities. The facilities were sources of the waste that exists in the SSTs of the NE quadrant.

1.5.1 Waste Generating Processes

Although not all of the processes listed below contributed waste directly to tanks in the NE quadrant, the waste they generated could have been indirectly transferred to the quadrant through tank to tank transfers. The plants and processes that generated waste now contained in the SSTs and the DSTs are presented in chronological order.

- **T Plant**

T Plant was the first-full scale separations plant at Hanford. It was constructed in 1944 and was used as a separation facility for irradiated production reactor fuel until 1956. The bismuth phosphate separation process used at T Plant was identical to the one used at B Plant. Since 1957, T Plant has been used as a decontamination and repair facility. The facility was modified in 1978 for storage of pressurized water reactor (PWR) core II fuel assemblies. T Plant provided facilities for decontamination, decomposition, repair, testing, shipping, and burial of contaminated tools and equipment from onsite and offsite locations.

The following wastes were sent to SSTs: waste solution from equipment decontamination efforts at T Plant, decontamination waste (DW), metal waste (MW) from the bismuth phosphate process, first-cycle (1C) decontamination waste from the bismuth phosphate process, and second-cycle (2C) decontamination waste from the bismuth phosphate process.

- **B Plant**

B Plant was constructed between August 1943 and February 1945. The bismuth phosphate process ran until 1952. One of the first plants built along with T Plant, B Plant was designed to separate plutonium from uranium and the bulk of fission products in irradiated fuel via the bismuth phosphate separation process. In 1968, B Plant became a waste fractionation plant and was retrofitted to remove cesium 137 and strontium 90 from PUREX acid

waste, high-level supernatant liquids, and sludge from self-boiling liquid wastes.

B Plant contained 40 processing cells that served several functions (e.g. equipment storage, radionuclide purification, liquid waste concentration, and solvent extraction). Cells 5, 23, 24 and 25 were used as liquid waste concentrators for the B Plant processing. Cell 23 of B Plant was used as a waste concentrator from July 28, 1967 to February 2, 1968. Because B Plant was being upgraded to a waste fractionation plant, the Cell 23 concentrator was running specifically to concentrate intermediate level waste in the single-shell tanks.

In 1974, the Waste Encapsulation and Storage Facility (WESF) was added to B plant to encapsulate strontium and cesium that was recovered from the B Plant process. The cesium capsules were leased commercially for irradiation of food, medical supplies, and lumber. The strontium and cesium capsules are stored in water basins for future retrieval. Currently most of B Plant is going through closure except for the plant sections that are needed to support the WESF mission. The closures result from a 1991 evaluation of the future B Plant mission.

The following B Plant waste streams were sent to SSTs: B Plant high-level waste (B), B Plant flush (BFSH), low-level waste from the waste fractionation plant (BL), complex concentrate (CC) or (CCPL), complexed waste (CPLX), fission products waste (FP), metal waste (MW), REDOX ion exchange waste processed at B Plant (RIX), ion exchange (IX), strontium sludge (SRS), cell 5 tank 6 waste (5-6), first-cycle waste (1C), and second-cycle waste (2C).

- **Bismuth Phosphate Process**

The B and T Plants used a bismuth phosphate extraction to remove plutonium from uranium fuel elements. The extraction waste that resulted was a metal waste that still contained 90% of the fission products and 99% of the original uranium. The metal waste was sent to specific tank cascades in the 200-East and 200-West Areas. First-cycle decontamination waste (1C), which contained approximately 10% of the fission products, was also stored in other underground waste tanks in the 200 Areas.

- **Plutonium Finishing Plant**

The Plutonium Finishing Plant (PFP or Z Plant), previously called Plutonium Recovery and Finishing Operations, began operation in late 1949 to process plutonium and prepare plutonium products. PFP operations included plutonium handling, plutonium reclamation, plutonium conversion, and decontamination and decommissioning.

Waste from this plant contained minor amounts of fission products and low concentrations of plutonium and other transuranic elements, but was high in metallic nitrates. Initially, the waste was discharged via cribs to soil columns, which absorbed the transuranic elements and retained them close to the point of

discharge. Later waste from Z plant was stored along with other waste in underground tanks.

The following waste was sent to tanks: waste from the Plutonium Reclamation Facility and the remote mechanical C line (Z).

- **Uranium Oxide Plant**

The 224-U Building was completed in 1944 as part of the U Plant complex. The building was converted to a UO_3 plant in 1951. The 224-UA building was constructed in 1957 with six installed calciners. The UO_3 plant was able to handle the uranyl nitrate hexahydrate (UNH) stream from REDOX, U Plant, and PUREX. The UO_3 plant shut down in 1972 and restarted in 1984 with the feed lines from REDOX and the U Plant canyon disconnected. Since 1984, there have been 17 campaigns at the plant that averaged 8 days each. The plant can calcine UNH much faster than the PUREX plant can produce it. Final deactivation was ordered for the plants in 1992. In April 1993, the UO_3 plant resumed operations to convert 200,000 gal of remaining UNH to uranium oxide powder. A final deactivation plan for the facility was prepared in the summer of 1993 and will be carried out in the next few years.

In the basic UO_3 process, calcining consisted of concentrating and heating liquid UNH until it was converted to a stable orange-yellow powder. The nitric acid in the UNH solution was also recovered in the same process. The UO_3 powder was the base material needed to manufacture uranium hexaflouride (UF_6) which is the primary feed material for gaseous diffusion plants in the United States.

- **REDOX**

The Reduction and Oxidation extraction (REDOX) plant was built between May 1950 and August 1951 and operated until July 1967. Uranium and plutonium were extracted from solid uranium metal slugs that were irradiated in the Hanford reactors or piles into a methyl isobutyl ketone (hexone) solvent by a continuous solvent extraction process. The REDOX process was the first at Hanford to recover both plutonium and uranium.

The waste stream which was slightly acidic contained fission products and large quantities of aluminum nitrate that were used to promote the extraction of plutonium and uranium. The waste was then neutralized and stored in SSTs.

The following wastes were sent to SSTs: REDOX process waste resulting from the dissolution of aluminum and zircaloy fuel element cladding, REDOX coating waste (CWR), REDOX high-level waste (R), and the supernatant liquid portion of waste generated by the REDOX process, REDOX supernatant (RSN). RSN is found above the sludge in the underground storage tanks.

- **U Plant**

U Plant (221-U) was built as one of three original bismuth phosphate process facilities although it was not used for that purpose. U Plant was modified extensively and used for the uranium recovery process. U Plant operated from 1952 to 1958. The main canyon at U Plant currently stores failed equipment.

Uranium in waste from the $BiPO_4$ process initially was stored in the SSTs. Later it was mined by sluicing, dissolved in nitric acid, and processed through a solvent extraction process. For every gallon of metal waste originally stored, the uranium extraction process yielded approximately 1.4 gal of UR waste. The waste volume increase made development of a technology that would reduce the volume of the stored waste a priority. This need resulted in the development/implementation of the ferrocyanide scavenging process.

The waste sent to the SSTs from U Plant was called tributyl phosphate (TBP). In reality it contained very little TBP; therefore, to eliminate confusion, it will be referred to as uranium recovery (UR) waste in this report.

- **Strontium Semiworks**

The strontium or hot semiworks processing facility (i.e., C Plant) was built in 1949 as a hot pilot plant for the REDOX process, but was later converted to a pilot plant for the PUREX process. In 1960, the plant was reactivated and used later as a process demonstration for the conversion of B Plant to a waste fractionation facility and was used to recover strontium 90, promethium 147, and cesium 144 from PUREX waste. The building and building site have been decontaminated and decommissioned.

The strontium semiworks waste sent to SSTs was known as hot semiworks (HS), strontium semiworks (SSW), and fission products waste (FP).

- **PUREX**

The Plutonium Uranium Extraction (PUREX) plant (i.e., A Plant) was an advanced solvent extraction process that used tributyl phosphate in a paraffin hydrocarbon solvent to recover uranium and plutonium from nitric acid solutions of irradiated uranium. PUREX was built between April 1953 and April 1955, it operated until 1972 when it was closed for 11 years. Two thorium campaigns were conducted in the PUREX plant between 1966 and 1971. The irradiated waste was similar to the PUREX waste but it contained thorium and uranium 233 rather than uranium and plutonium which was extracted from typical PUREX waste. It began operating again in November 1983 and was shut down in 1988 after a safety violation. The PUREX Plant was shut down several times between 1988 and 1990 for various reasons. In October 1990, the PUREX Plant was put in standby mode and was eventually identified for closure in December 1992 by Secretary of Energy James Watkins.

The following PUREX waste streams were sent to SSTs: cladding waste (CW) or (CWP), organic solvent wash waste (OWW), neutralized PUREX plant acid waste (P), low-level waste from PUREX (PL), PUREX sludge supernatant liquid (PSS), organic wash waste using sodium carbonate (CARB), cesium feed (CF), and concentrated neutralized high-level waste (1WW).

1.5.2 Waste Management Operations

This section describes the different waste concentrating methods used in the 200 Areas. Evaporating, concentrating, and scavenging are all methods used to reduce liquid volumes or precipitate solids out of the supernatant solutions. The operations are presented in chronological order.

- **242-T Evaporator**

The 242-T Evaporator was built in the early 1950s to reclaim nonboiling waste storage capacity in existing tanks. The evaporator was shut down in the summer of 1955 and modified for tributyl phosphate scavenging, although scavenging was never performed in this evaporator. The 242-T Evaporator restarted in 1965 and operated until 1976. Tank 241-TX-118 was the feed tank for thE evaporator.

The following wastes were sent to tanks from the 242 T Evaporator: Slurry product from the evaporator bottoms (EB), evaporator feed (EF), and terminal liquor (TL).

- **242-B Evaporator**

The 242-B Evaporator was built south of the B Tank Farm and started operating in December 1951. It received feed waste until November 1954 and was shut down in September 1955. The evaporator was never reactivated. Tanks 241-B-105 and -106 were used as the bottoms and feed tank respectively. The evaporator operated at atmospheric pressure.

- **Ferrocyanide Scavenging**

Ferrocyanide scavenging was developed to reduce waste volumes. The ferrocyanide flow sheet was first tested in U Plant in October 1953. In-farm scavenging was completed in March 1956 and December 1957 for the 200-West and 200-East Areas respectively. The ferrocyanide scavenging program was designed to remove fission products such as ^{137}Cs (half life: 28.6 yr) and ^{90}Sr (half life: 30.2 yr) from the UR and 1C wastes as a precipitate. Because the ^{90}Sr was essentially insoluble in the neutralized UR waste, the strontium compounds would precipitate as phosphates, sulfates, or hydrated oxides when the acidic waste was neutralized. However, common cesium compounds are quite soluble even at alkaline pHs. Development of the nickel ferrocyanide scavenging process provided a relatively simple process to precipitate ^{137}Cs and enhance the precipitation of ^{90}Sr. The precipitating chemicals were added in stainless steel process vessels with agitation (i.e. U Plant, T Plant, or the CR vault) and the waste slurry was routed to specific SSTs for settling. After the ^{137}Cs and ^{90}Sr precipitates settled, the

clarified supernatant was sampled and disposed of in cribs. After the ^{137}Cs and ^{90}Sr precipitates settled, the clarified supernatant was sampled and disposed of in cribs.

- **In-Tank Solidification**

The primary function of the in-tank solidification systems was to concentrate the nonboiling waste directly inside of specially designed tanks that would produced a saltcake slurry. Each in-tank solidification system included a heat exchanger for water evaporation and a series of bottoms tanks. The first in-tank solidification unit (ITS #1) operated with an airlift circulator through Tank 241-BY-102 and the second in-tank solidification unit (ITS #2) operated with a similar circulator through Tank 241-BY-112. Tank 241-BY-112 contained a 4,000 kW electric immersion heater. Tank 241-BY-101 contained an in-tank solidification prototype that was used only for demonstration purposes. In-tank solidification units 1 and 2 began operating in 1965 and 1968, respectively. In 1971 in-tank solidification unit 1 became the cooler for in-tank solidification unit 2. Both units were shut down in 1974.

- **REDOX Concentrator**

The REDOX concentrator was used for volume reduction of dilute 200-West Area tank farm wastes by removing water. The concentrator received tank farm wastes from July 28, 1967 until June 30, 1972. Cell D in the REDOX process was the concentration and neutralization section of the plant.

- **242-S Evaporator/Crystallizer**

The 242-S Evaporator/Crystallizer began operating in November 1973 and shut down in 1981. It was designed as a reduced pressure (i.e., partial vacuum) evaporator/crystallizer. Aqueous salt wastes were converted in the evaporator to salt crystals for storage in underground tanks in the S and SX Tank Farms.

The following waste types were sent to SSTs from the 242-S Evaporator: non-complexed waste concentrated until the solution was nearly saturated with sodium aluminate known as double-shell slurry feed (DSSF), slurry product from the evaporator bottoms (EB), evaporator feed (EF), Hanford defense residual liquor (HDRL), partial neutralized feed waste (PNF), and terminal liquor (TL).

- **242-A Evaporator/Crystallizer**

Construction of the 242-A Evaporator/Crystallizer was completed in 1976. The evaporator began operation in March 1977 with a design life of 10 years. In 1987, design changes were developed to extend the facilities operating life by 10 years. The evaporator was shut down in April 1989 because of regulatory issues and restarted in May 1994 after extensive modifications.

The following evaporated wastes were sent to SSTs: evaporator bottoms from B Plant low-level waste feed (BLEB), non-complexed waste concentrated in evaporators known as double-shell slurry feed

(DSSF), evaporator feed (EF) or (EVAP), evaporator bottoms (EB), and terminal liquor (TL).

1.5.3 Miscellaneous Waste Sources and Equipment

There are various other sources of waste on the Hanford Site, as well as other material added to the tanks. Some wastes are from the 300 Area, 100 Area production reactors, various laboratories, and catch tanks. Unique contents added to SSTs included laboratory wastes, diatomaceous earth, Portland cement, shroud tubes, ceramic balls, experimental fuel elements, and relatively small amounts of enriched uranium, plutonium, cobalt, and natural uranium.

The following wastes contribute to SST waste: diatomaceous earth (DE), Hanford defense residual liquor (HDRL), Hanford laboratory operations (HLO), filtered Hanford water (H_2O), phosphate decontamination waste from N reactor (N), and non-complexed waste (NCPL).

- **Critical Mass Lab**

The critical mass lab was used to develop data on the factors that are necessary to make a criticality or self-sustained nuclear reaction occur. Because plutonium is the key radioactive element on the Hanford Site, the research was based on plutonium criticality safety in various fuel cycles. This facility was located next to the strontium semiworks and ran from the early 1950s to the early 1980s. The plutonium used in the lab was reprocessed in PUREX.

- **244-AR,-BXR, and-CR Process Vaults**

There are three process vaults in the NE quadrant: the AR Vault, the BXR Vault, and the CR Vault. The vaults were composed of several process vessels or tanks used to prepare the waste for treatment or storage. Specific wastes from tanks can be pumped temporarily to the vaults and the wastes can be sent directly to desired tanks or processing facilities later.

The AR Vault was designed and constructed between 1964 and 1968 and is located next to the A and AX Tank Farms. The AR Vault has been in standby mode since 1978.

The 244-BXR Vault is located south of the 241-BX Tank Farm and was constructed between 1950 and 1951. The BXR Vault began operating in 1952 and became inactive in 1956. The waste in the vault was difficult to handle, so the vault was high-pressure steam jetted in 1976. The vault was interim isolated after 1976 and interim stabilized in March 1985. Tank BXR-004 was removed in 1963.

The CR Vault was constructed in 1952 and is located next to the C Tank Farm. Saltwell waste from the C Tank Farm is interim stored in the CR Vault. The 244-BXR and -CR Vaults were constructed to aid in the recovery of uranium from bismuth

phosphate metal waste. The CR Vault received waste from the Strontium Semiworks Plant en route to the 241-C Tank Farm.

- **204-AR and 204-S Railroad Car Facilities**

The 204-AR rail car unloading facility was built in 1981 and replaced the 204-S rail car unloading facility. The facilities were built for unloading radioactive liquid waste tank cars.

Liquids or slurries from the 1314-N Building in the 100 Area and the 340 Building in the 300 Area are unloaded at the 204-AR unloading facility.

1.5.4 Timeline

The following timeline represents the times and spans of different events that occurred during the lifetime of major Hanford plants in the 200-East and 200-West Areas. The plants were the main contributors of waste currently contained in SSTs. The following list of abbreviations and corresponding meanings are used on the timeline:

PUREX: Plutonium uranium extraction process

UO_3: Uranium trioxide

PFP: Plutonium finishing plant

RG-RB: Rubber glove - remote button line

RMA: Remote mechanical "A" line

RSE: Recuplex solvent extraction

RMC: Remote mechanical "C" line

PRF: Plutonium reclamation facility

PCB: Polychlorinated biphynels

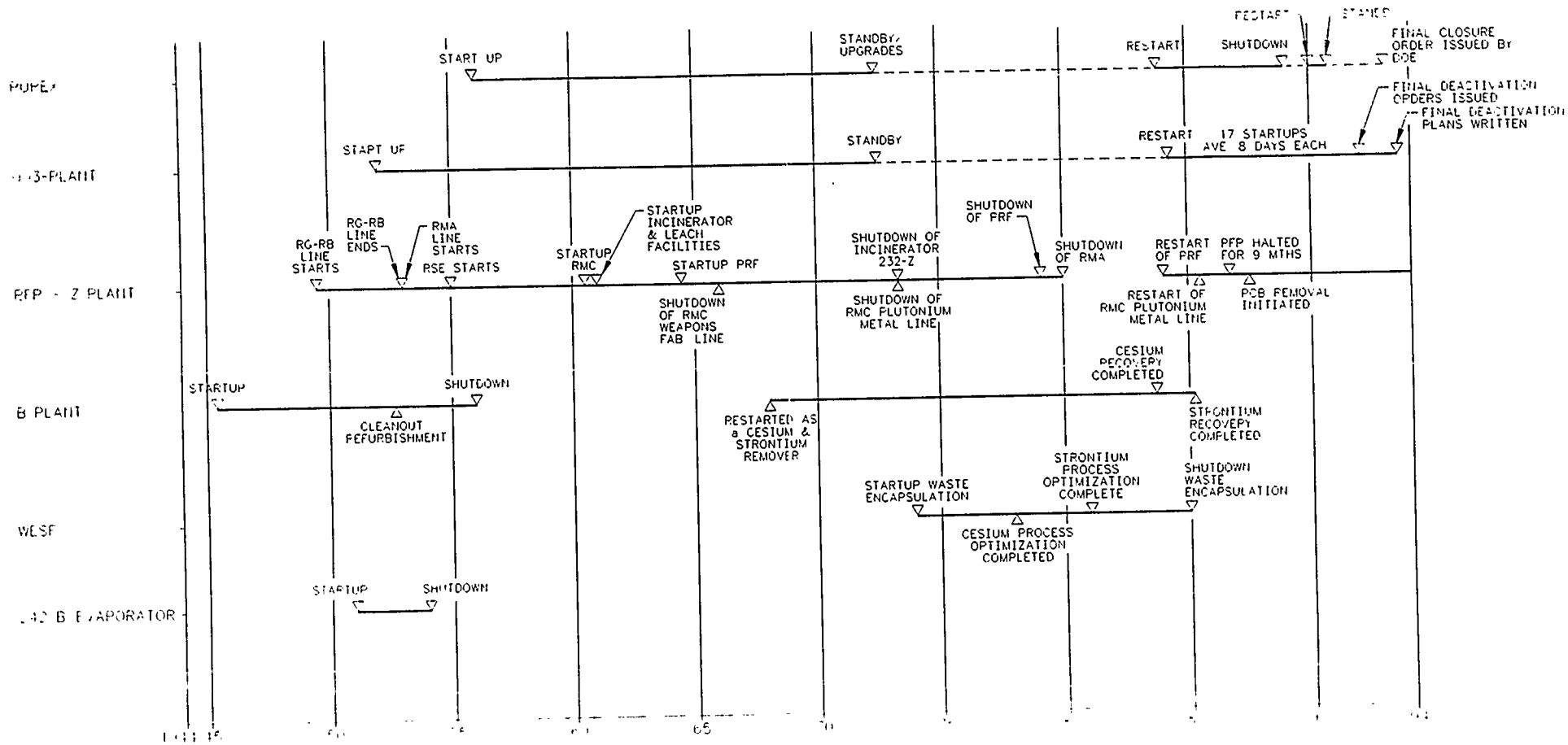
WESF: Waste encapsulation and storage facility

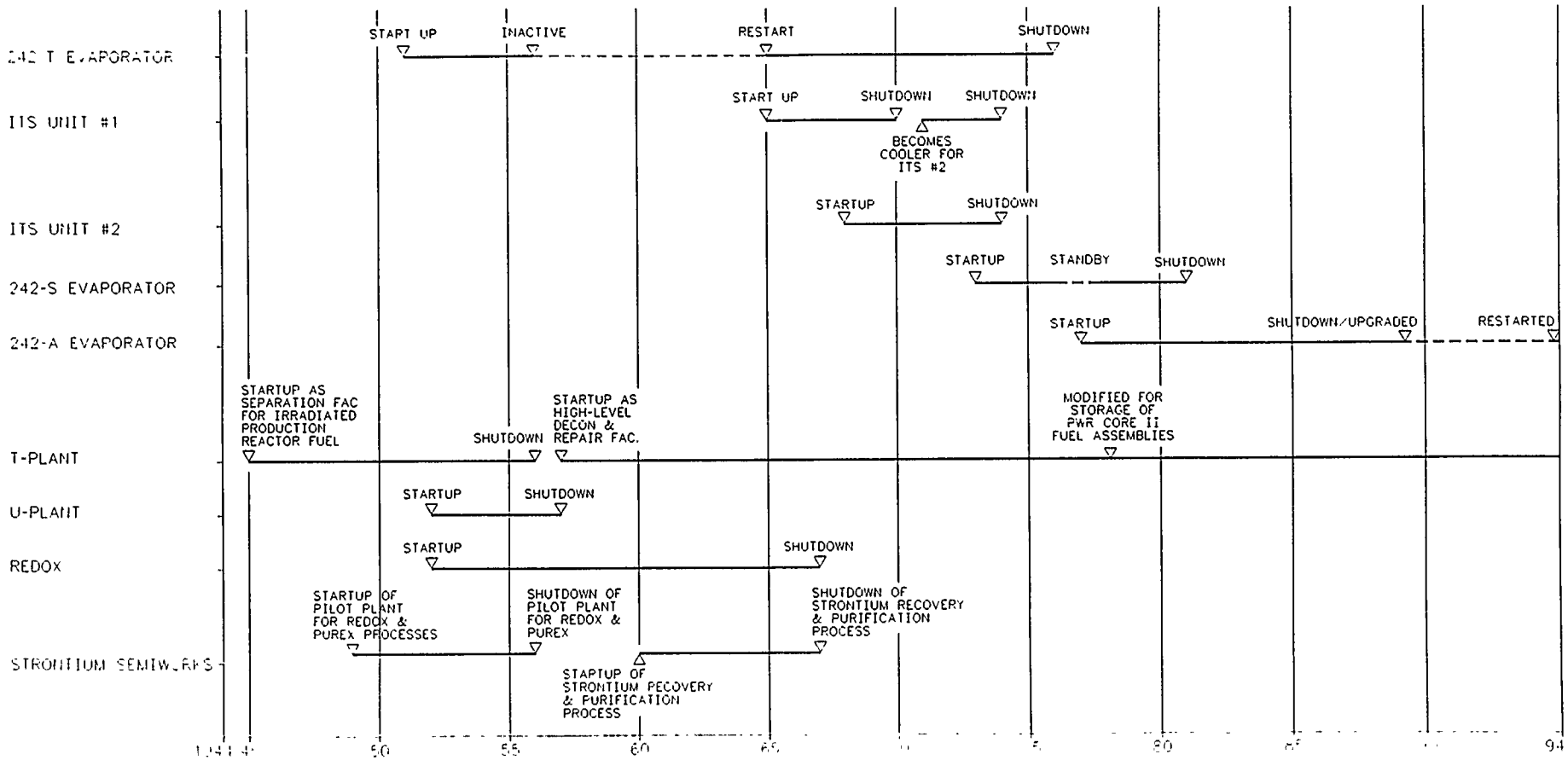
ITS: In-tank solidification (units 1 and 2)

PWR: Pressurized water reactor

REDOX: Reduction oxidation process

PROCESSES PRODUCING WASTE CONTAINED IN 200 AREA TANK FARMS




242 T EVAPORATOR
ITS UNIT #1
ITS UNIT #2
242-S EVAPORATOR
242-A EVAPORATOR
T-PLANT
U-PLANT
REDOX
STRONTIUM SEMIWORKS
START UP
INACTIVE
RESTART
SHUTDOWN
START UP
SHUTDOWN
SHUTDOWN
BECOMES COOLER FOR ITS #2
STARTUP
SHUTDOWN
STARTUP
STANDBY
SHUTDOWN
STARTUP
SHUTDOWN/UPGRADED
RESTARTED
STARTUP AS SEPARATION FAC FOR IRRADIATED PRODUCTION REACTOR FUEL
SHUTDOWN
STARTUP AS HIGH-LEVEL DECON & REPAIR FAC.
MODIFIED FOR STORAGE OF PWR CORE II FUEL ASSEMBLIES
STARTUP
SHUTDOWN
STARTUP
SHUTDOWN
STARTUP OF PILOT PLANT FOR REDOX & PUREX PROCESSES
SHUTDOWN OF PILOT PLANT FOR REDOX & PUREX
SHUTDOWN OF STRONTIUM RECOVERY & PURIFICATION PROCESS
STARTUP OF STRONTIUM RECOVERY & PURIFICATION PROCESS
50
55
60
80
94

1.6 Safety Issues

The safety issues that effect the tanks can be divided into two groups: watch list and non-watch list. The watch lists are listings of the tanks believed to pose potential safety hazards to the environment and the public. Non-watch list issues are of concern because they may impact the environment.

1.6.1 Watch List Safety Issues

Issues in these tanks were identified as "issues/situations that contain most necessary conditions that could lead to worker (onsite) or offsite radiation exposure through an uncontrolled release of fission products" under Public Law 101-510 , Section 3137, of the National Defense Authorization Act of Fiscal Year 1991 (i.e., the Wyden Amendment). As of October 1993, 45 SSTs and 6 double-shell tanks are on a watch list. In the NE quadrant, 21 of the 66 SSTs are on a watch list. The four watch list designations described in this report are: ferrocyanide, hydrogen/flammable gas, organic salts, and high-heat load. The following sections provide a general description and criteria of the different watch lists. For a more complete explanation, refer to the Hanford Site Tank Farm Facilities Interim Safety Basis (WHC 1993).

- **Ferrocyanide**
  A tank containing or believed to contain greater than 1,000 gram moles of ferrocyanide (dry basis) is on the Ferrocyanide Watch List.

- **Hydrogen and Flammable Gas**
  Most tanks were placed on the Hydrogen/Flammable Gas Watch List because of the potential to contain flammable gases rather than the verified presence of hazardous concentrations. Hydrogen/Flammable Gas Watch List tanks have been identified as unreviewed safety questions due to the concern of a flammable gas burn resulting in a radiological release.

- **Organic Salts**
  Tanks containing or believed to contain more than the equivalent of 10% by weight of sodium acetate or 3 wt% total organic carbon (TOC) on a dry basis received a watch list designation as in the Tank Farm Surveillance and Waste Status Summary Report (Hanlon 1993).

- **High-Heat Loads**
  Tanks with a heat load greater than 40,000 Btu/hr are designated as high-heat load tanks. Tank 241-C-106 is the only high-heat load tank on the High-Heat Load Watch List.

A tank that does not appear on a watch list but has a heat load less than 40,000 Btu/hr is considered a low-heat load tank by default.

The following table lists the tanks in the NE quadrant that appeared on a watch list as of October 1993. A current list is published monthly in the Tank Farm Surveillance and Waste Status Summary Report (Hanlon 1993).

NE Quadrant Watch List Tanks

Tank	Category	Tank	Category
A-101	Hydrogen	BY-108	Ferrocyanide
AX-101	Hydrogen	BY-110	Ferrocyanide
AX-103	Hydrogen	BY-111	Ferrocyanide
B-103	Organic Salts	BY-112	Ferrocyanide
BX-102	Ferrocyanide	C-103	Organic Salts
BX-106	Ferrocyanide	C-106	High-Heat Load
BY-103	Ferrocyanide	C-108	Ferrocyanide
BY-104	Ferrocyanide	C-109	Ferrocyanide
BY-105	Ferrocyanide	C-111	Ferrocyanide
BY-106	Ferrocyanide	C-112	Ferrocyanide
BY-107	Ferrocyanide		

1.6.2 Non-Watch List Safety Issues

Tank leaks are a safety hazard because of the potential chemical and radioactive liquid releases to the ground. Corrosion is the main cause of tank leaks and stabilization, integrity, and intrusion prevention are discussed in the corrosion section of this report. Criticality, tank bumps, and toxic vapor releases are other safety issues that do not require a watch list designation and/or continual monitoring under the Wyden Amendment.

- **Corrosion**

Corrosion is believed to be caused by localized or general reduction in SST mild carbon liner thickness. Localized liner thickness reduction is caused by three types of corrosion: pitting corrosion, stress corrosion cracking , and crevice cracking. General liner thickness reduction may be caused by uniform corrosion.

The SSTs were removed from service on or before November 21, 1980 and no longer accept wastes. When the SSTs are deactivated, an effort is made to minimize potential leaks into the earth by reducing the liquid waste contained in the SSTs. Primary stabilization is the first deactivation process of removing the supernatant or free liquid above the solid wastes within the SSTs. Supernatant is removed by turbine or jet pumps in a saltwell system, low-volume submersible pumps, or in situ drying. In

saltwell systems, the liquid is pumped from the waste through a pipe screen in a manner similar to ground water pumping. Tanks with less than 50,000 gal of drainable interstitial liquid and less than 5,000 gal of supernatant liquid are known as interim stabilized tanks. Liquid waste is sent to the evaporator/crystallizer concentrating facilities and the concentrated waste is deposited into double-shell tanks (DSTs).

Eventually, SSTs will be interim stabilized and prepared for intrusion prevention (formerly known as interim isolation). Stabilization efforts will be completed prior to final closure of the SSTs. Partial isolation of the tanks includes sealing the piping and risers that are not required for pumping or other stabilization methods. Intrusion prevention is the total physical and administrative effort involved in sealing inactive storage tank accesses against liquid additions while still allowing for long-term surveillance.

There are 67 assumed/confirmed leaking SSTs in the 200 East and West Areas with 32 in the NE quadrant. The remaining 34 tanks in the NE quadrant are sound. There are 51 interim stabilized tanks in the NE quadrant and 15 noninterim stabilized tanks. Intrusion prevention is in place for 46 SSTs in the NE quadrant, and 20 tanks are at the partial interim isolation stage.

- **Criticality**

Criticality is an inadvertent self-sustained nuclear chain reaction. Studies have concluded that a nuclear criticality accident in the tank farms is probably not an imminent risk. However, definitive knowledge of the fissile material inventory and distribution within the tanks is lacking. Therefore, criticality remains a safety issue. The key criticality radionuclide on the Hanford Site is plutonium. A fissile material criticality prevention specification of 125 kg has been placed on the tanks. An unusual occurrence report involving nuclear criticality was filed in June 1991 for Tank 241-C-104. An inventory of 56 kg was calculated later which indicated a low probability for criticality. Criticality is considered an unreviewed safety question but is not affected by the Wyden Amendment according to the Hanford Site Tank Farm Facilities Interim Safety Basis (WHC 1993).

- **Tank Bumps**

Tank bumps have been an issue at Hanford since 1953 with the last bump occurring in 1968. The A Tank Farm is known to have had tank bumps. Tank bumps occur when heat from the hotter solid waste in the lower portion of the tank is suddenly transferred to a near boiling supernatant. Mixing can be achieved by "roll over" or sudden restart of airlift circulators which results in rapid fluid vaporization and a sudden internal tank pressurization that causes a bump. The three documented bumps that have occurred were due to airlift circulator failure followed by rapid startup of the airlift circulators which causes rapid mixing. Two key factors have been identified to control bumping: liquid and solid temperatures must be maintained as far away from the local boiling point as possible

and airlift circulators and ventilation systems must be operated as designed. A tank bump is extremely unlikely if airlift circulators and vent flow rates are maintained at 500 to 1,000 ft^3/min per tank and 50 ft^3/min to the airlift circulators, according to the Hanford Site Tank Farm Facilities Interim Safety Basis (WHC 1993).

- **Toxic Vapor Releases**

The safety concern of toxic vapor releases have been analyzed recently at Hanford. Odors have been released from the C Tank Farm in the NE quadrant and from Tank 241-SY-101. Tank 241-C-105 has experienced releases that have resulted in worker exposure. If toxic vapors are determined to exist in a tank, three safety recommendations should be followed: determine a release rate, determine offsite and onsite exposure concentrations, and determine if the release is a spray effect. The entire issue of toxic gas releases at the tank farms has just begun to be understood, Hanford Site Tank Farm Facilities Interim Safety Basis (WHC 1993).

2.0 BY Tank Farm

2.0.1 BY Tank Farm History

The BY Tank Farm is located in the north-central end of the 200-East exclusion area, east of Baltimore Avenue. The BY Tank Farm was constructed for the operating contractor, General Electric Company, during 1948 and 1949. Because the BY Tank Farm is a modified B Tank Farm design, the tanks are considered "second generation." The BY Tank Farm contains twelve 100 series; 758,000-gal; 75-ft diameter single-shell tanks. The riser pattern is modified to gain more uniform access to the tank interior. The tanks were designed for a maximum fluid temperature of 220°F. The BY Tank Farm initially operated to back up the BX Tank Farm. In the BY Tank Farm, tanks are connected in a three-tank cascading series. The BY tanks are connected to the end tanks of the BX Tank Farm. The cascade overflow height is approximately 272 in. from the tank bottom.

The BY tanks contain non-complexed waste. Nine tanks are on the Ferrocyanide Watch List and 5 are confirmed or assumed leaking tanks. The 1993 color aerial photograph of the BY Tank Farm shows the tank orientation and a north arrow. The arrows between the tanks represent the cascade overflow lines and the flow direction.

The tanks were built under project C-271 and are covered by specification HW-3783 "Additional Waste Storage Facilities 200-East Area." The tanks are approximately 75 ft in diameter, with an operating depth of 23 ft, and are covered with approximately 8 ft of overburden.

Various coatings and sealants were used to prevent leaks and intrusions. The tank liner is protected from the outside with a 3-ply membrane waterproofing between the steel liner and the encompassing concrete. The outer steel liner surfaces are covered with a 3-ply asphalt waterproofing, a second layer of 3/4-in. Gunite (sprayed concrete), and a third layer of 2-in. by 2-in. welded reinforcing fabric. The concrete wall was poured in three even lifts after steel reinforcement was installed. The inside of the steel liner was sandblasted and one coat of Du Lux Seachrome Primer was applied. Lead flashing was installed along the top of the steel liner to protect the waterproofing membrane. Upon completion of the tank domes, the tanks were covered externally with a 3-ply asphaltic waterproof membrane and Gunite reinforced with wire fabric. The inside of the tank was given a final primer coat. The concrete dome ceiling is protected with three coats of a hardening solution. Exterior surfaces of dome risers and encasing pipes of overflow and tie lines were cleaned thoroughly and given one coat of coal-tar primer followed by one hot coat of coal-tar enamel and one coat of water-resistant white wash.

2.0.1.1 BY Tank Farm Waste History

B Plant metal wastes were stored in Tanks 241-BY-101 through -106 after the BX Tank Farm was full. Tanks 241-BY-107 through -110 received B Plant first-cycle waste and U Plant waste. Tanks 241-BY-111 and -112 were used to store metal waste for a short time. Tanks 241-BY-101, -103, and -111 received ferrocyanide wastes from the other BY tank transfers. Tank 241-BY-112 received a direct transfer from U Plant in 1957.

The sluicing operations program began in January 1954 and was completed by August 1955. The sluicing campaign had two objectives: uranium recovery and in-tank solidification preparation. Tanks within the BY Tank Farm were used as feed staging or evaporator bottoms waste receiving tanks for the in-tank solidification program. The in-tank solidification program operated as an in-tank evaporation system to concentrate the waste. Tanks 241-BY-101 through -106, -111, and -112 were involved in sluicing operations between 1954 and 1955.

The in-tank solidification program operated in two stages. Stage one involved placing an in-tank solidification unit in Tank 241-BY-102. The first in-tank solidification unit operated from March 1945 until August 1971 when it became a cooler for unit 2. The second in-tank solidification unit was used in conjunction with Unit 1 as a cooler for Tank 241-BY-112 from August 1971 until both units were shut down in June 1974. Because of the large amount of saltcake waste created from the in-tank solidification units in the BY Tank Farm, saltwell pumping was performed on all tanks in the BY Tank Farm.

Ferrocyanide scavenging waste was sent to the BY Tank Farm. The campaign was designed to recover strontium and cesium from metal waste. Tanks 241-BY-106, -107, -108, and -110 were used as primary settling tanks for scavenged waste, and Tanks 241-BY-104 and -105 were used as settling tanks for accumulated scavenged sludge.

2.0.1.2 BY Tank Farm Temperature History

Most tanks in the BY Tank Farm have at least one thermocouple tree with the exception of Tanks 241-BY-102 and -109. Tanks 241-BY-104, -105, -110, -111, and -112 have two thermocouple trees. Temperature data for Tanks 241-BY-102 and -109 are not available between 1980 and 1991. The riser configuration document indicates that thermocouple trees do not exist in these two tanks which may indicate that the thermocouple trees were removed; however, readings resume in late 1991 and 1992. Tanks 241-BY-101, -103 through -108, and -110 through -112 are former or current Ferrocyanide Watch List tanks and have a weekly temperature monitoring requirement. The other tanks have a semiannual temperature monitoring requirement.

2.0.1.3 BY Tank Farm Integrity

The twelve 750,000-gal tanks in the BY Tank Farm are out of service. As of July 1993, seven tanks were categorized as sound (i.e., Tanks 241-BY-101, -102, -104, -110, -111, and -112), and five were categorized as assumed leakers (i.e., Tanks 241-BY-103, -105, -106, -107, -108). Liquid observation wells, surface level measurements, and leak detection drywells were the methods used to monitor tank integrity. If a discrepancy is observed as a result of the surveillance activities; notification, reporting, documentation, and investigation of the surveillance anomaly (data outside the criteria limits, changing trend, or departure from steady state) is conducted in accordance with the appropriate procedure. Generally, the first plan of action is to determine if the discrepancy is caused by something other than a tank leak or intrusions.

With the exception of Tank 241-BY-108, the tanks in the BY Tank Farm have liquid observation wells to monitor the interstitial liquid level. The interstitial liquid levels are monitored weekly with a neutron probe and on request with a gamma probe. The maximum deviations from the established baseline are a 0.3-ft increase and a 0.4-ft decrease.

Surface level monitoring with manual measurement devices in the BY Tank Farm is conducted daily or quarterly, depending on the tank. The maximum allowable decrease from the established baseline is 2.0-in. for Tanks 241-BY-102 and -109. The other tanks have no criterion for a decrease. The maximum allowable increase from the baseline ranges from 2 to 3 in., depending on the tank. The no criterion designation was established for waste tanks containing sludge with little or no solution. For these tanks, a surface level decrease is not a valid means of leak detection because the level may decrease due to sludge slumpage (especially during saltwell pumping), tape flushes, and perforation of the exposed sludge at the point of probe contact. Tanks that have a saltcake surface and that are equipped with an automatic Food Instrument Corporation gauge may have a 10-in. decrease criteria which was established to alert the operating personnel if the gauge unwinds in search of a conductive liquid surface.

The BY Tank Farm has 70 leak detection wells (i. e., drywells) that were drilled from 1949 to 1974. Five are not tank-specific and drywells 22-00-02 and 22-00-03 currently have readings greater than the 50 c/s background radiation. The drywells in the BY Tank Farm are monitored on a monthly, yearly, or on request basis with scintillation or Geiger-Mueller probes. Increased activity action criteria for monitoring conducted with scintillation and shielded scintillation probes are as follows: if the normal readings are less than 200 c/s, the readings must double and exceed 200 c/s; if the normal readings are greater than 200 c/s, the readings must double. Increased activity action criteria for monitoring conducted with Geiger-Mueller probes are as follows: if the normal readings are between 16 and 1,000 c/s, the readings must triple.

If the normal readings are greater than 1,000 c/s, the readings must double. Drywells associated with assumed leaking tanks are monitored for migration of contamination and the criteria limits do not apply except where new radiation peaks occur. If increasing drywell activity has not exceeded the action criteria stated above, appropriate personnel will determine if increased monitoring is required.

The BY Tank Farm layout includes the peak drywell information, tank integrity, and tank status information. The drywell information is based on summarized data prior to 1987 and from data collected from January 1990 to the present. Graphical representations of the currently active drywells mentioned above are in Appendix F. Each graph includes the peak c/s, the depth at which the peak occurred, and the date of the reading.

2.0.2 BY Tank Farm Historical Sample Analysis Data

Historically, single-shell tank waste samples have been analyzed to characterize the supernatant, sludge, and saltcake in each tank. Data for this report were compiled from samples obtained from the late 1950s to September 1989.

2.0.3 Current Status of BY Tank Farm

Nine tanks in the BY Tank Farm are identified on the Ferrocyanide Watch List: Tanks 241-BY-103, -104, -105, -106, -107, -108, -110, -111, and -112 were added to the list officially in January 1991 and have been declared unreviewed safety questions because their explosion potential exceeds previously reported safety analysis consequences. Ferrocyanide Watch List tanks are monitored for temperature on a weekly basis. Tanks 241-BY-101, -102, and -109 are low-heat load tanks (<40,000 Btu/hr) and are monitored for temperature on a semiannual basis. Tank 241-BY-101 was recently removed from the Ferrocyanide Watch List; therefore, the temperature is monitored weekly. The total volume of waste in the BY Tank Farm is 4,744,000 gal: 3,704,000 gal of saltcake; 102,000 gal of unknown solids; and 938,000 gal of sludge.

2.0.3.1 BY Tank Farm In-Tank Photographs

The BY Tank Farm is a battery of twelve 758,000-gal second generation tanks built in 1948-49. The BY Tank Farm was built to receive waste from the BX Tank Farm cascade system. As a result of experience from the first generation farms, the amount of equipment used to monitor and maintain the waste was increased in these tanks. The typical BY tank contains 11 to 13 risers through the tank dome. The photos are usually taken from one of the four main risers around the tank perimeter.

The latest in-tank photos for the BY Tank Farm date from November 1982 to September 1989. Most photos are an accurate representation of the tank contents because, except where noted, no pumping activity has occurred since the photos were taken.

2.1 Tank 241-BY-101

2.1.1 241-BY-101 Tank History

2.1.1.1 Waste History Tank 241-BY-101

The waste history narrative in the following paragraph is from "A History of the 200 Area Tank Farms" (Anderson 1990). Tank 241-BY-101 was filled with metal waste from the Tank 241-BX-103 cascade overflow between March 1950 and the first quarter of 1951. The tank cascaded to Tank 241-BY-102 from the third quarter of 1950 until the first quarter of 1951. The metal waste was sluiced and transferred to Tank 241-BY-103 and the tank was declared empty on May 17, 1954. The tank contained U Plant waste from the first quarter of 1955 until the fourth quarter of 1964. In the first two quarters of 1956, the tank contained scavenged waste awaiting rework. In the third quarter of 1957, scavenged feed was sent to the CR process vault. The tank contained coating waste and first-cycle waste from the fourth quarter of 1960 until the fourth quarter of 1964. The tank contained coating waste from the second quarter of 1965 until the first quarter of 1968. The tank received in-tank solidification boil-off from the second quarter of 1965 until the second quarter of 1966. In the fourth quarter of 1966, the tank received 28,000 gal of recovered butts. From the third quarter of 1967 until the fourth quarter of 1969, the tank was used for a solidification demonstration. From the second quarter of 1968 until the second quarter of 1976, the tank received evaporator bottoms waste. The tank was receiving solidification bottoms and recycle waste from the first quarter of 1972 until the second quarter of 1976. In the third quarter of 1976, the tank received concentrated evaporator feed which it held until the fourth quarter of 1977. The tank was saltwell pumped in the first and second quarters of 1977 and was declared inactive in the first quarter of 1978. From the first quarter of 1978 until the present, the tank waste has been classified as non-complexed.

The waste history narrative of the primary additions that follow in this paragraph are from the "Waste Status and Transaction Record Summary" (Agnew 1994). Tank 241-BY-101 received wastewater during the fourth quarter of 1974.

Primary stabilization was completed in May 1980 and a level adjustment was made in April 1982. The tank was saltwell pumped, was declared interim stabilized, and had a level adjustment made in May 1984. Liquid observation well data have been plotted that represent interstitial levels. An engineering judgement was made prior to March 1986. After interim stabilization pumping, the interstitial liquid equalizes in the tank. In-tank photographs were taken on the following dates: several in 1976, several in 1977, March 1980, April 1981, February 1983, and September 1989. Sketch ES-TKS-E39, which shows a graphical representation of the Tank 241-BY-101 level history, and the historical waste level data used to make it are in Appendix C. The sketch shows two pH

readings: 9.5 in May 1955 and >14.0 in June 1976. The current maximum temperature reading from July 1993 is 75° F.

2.1.1.2 Temperature History 241-BY-101

The single thermocouple tree in Tank 241-BY-101 has 14 thermocouple probes to monitor the waste temperature. The thermocouples have specific elevation information and similar temperature readings that span from 1974 to the present. The temperatures generally decrease from the bottom to the top of the tank. There is a gap in temperature readings from February 1984 until October 1989, although a thermocouple tree was in the tank in September 1989. The Tank 241-BY-101 level history indicates that from 1974 to 1977, thermocouples 1 through 7 were in or near the solids level, thermocouples 8 through 12 were in or near the liquid level, and thermocouples 13 and 14 were in the vapor space. From 1977 to 1984, thermocouples 1 through 7 were still in or near the solids level and the rest were in the vapor space. Thereafter, thermocouples 1 through 6 were in or near the solids level and the rest were in the vapor space.

The mean temperature of the first daily recorded readings was 30°F. A sum of the squares regression line fit for the data shows a temperature decrease with a moderate amount of variability. Thermocouples 1 through 6, 12, and 14 show pronounced temperature fluctuations of up to 70°F from October 1974 to July 1975. There is an outlying data point of approximately 24°F in December 1981 for thermocouples 5 through 14. An annual temperature undulation is apparent after 1989. The median temperature is 71.2°F with a minimum of 43°F and a maximum of 115°F. Tank 241-BY-101 is a former Ferrocyanide Watch List tank and temperature readings are required weekly.

Plots of the thermocouple readings for Tank 241-BY-101 are in Appendix D.

2.1.1.3 Integrity of Tank 241-BY-101

Tank 241-BY-101 is categorized as sound and is interim stabilized with intrusion prevention completed. The Tank 241-BY-101 surface level is monitored quarterly with a manual tape through riser 5. Liquid waste volume is determined by a photographic evaluation and the solid waste volume is determined by a manual tape surface level gauge. The maximum allowable deviation from the 144.5-in. baseline is a 3 in. increase. There is no criterion for a decrease. The figure that graphically represents the surface level measurements from January 1991 to the present is in Appendix E. The Tank 241-BY-101 surface level monitoring is out of compliance. The last readings were taken in June 1993. The surface level plot before June 1993 indicates fluctuating readings between 144 and 141-in.

The Tank 241-BY-101 liquid observation well is located in riser 9A. The tank is monitored weekly with a neutron probe and on

request with a gamma probe to determine the interstitial liquid level. The maximum deviations from the established baseline are a 0.3-ft increase and a 0.4-ft decrease. Sketch ES-TKS-E39 in Appendix C is a graphical representation of the liquid observation well data.

Five drywells are identified for Tank 241-BY-101. Drywells 22-01-04 (active prior to 1990, current readings > 200 c/s) and 22-01-10 (active prior to 1990, current readings < 200 c/s) have readings greater than the 50 c/s background radiation.

Graphical representations of the drywell data for each active drywell from January 1990 to the present are in Appendix F. Each graph includes the peak c/s (some wells have multiple peaks), the depth at which the peak occurred, and the date of the reading.

2.1.1.4 Historical Sample Analysis Data for Tank 241-BY-101

Two waste sample analyses were performed on Tank 241-BY-101. One sample was analyzed in December 1955 and the other was analyzed in August 1972. The 1972 sample was a clear, green solution containing a small amount of solids. Tables presenting the chemical and physical data obtained from these analyses are in Appendix H.

2.1.2 Current Status of Tank 241-BY-101

Tank 241-BY-101 entered service in January 1950 and currently stores 387,000 gal of waste. The waste is comprised of 350,000 gal of saltcake and 37,000 gal of unknown waste with no supernatant or pumpable liquid remaining. The tank is identified as a low-heat load tank, is passively ventilated, and is categorized as sound with interim stabilization and intrusion prevention completed. Tank 241-BY-101 is equipped to cascade to Tank 241-BY-102 and is first in the three-tank cascade series. The plan view and tank cross-section that depict the approximate waste level and riser configuration are in Appendix G. Tank 241-BY-101 has 18 risers and one 12-in. riser, no. 10A, is available for use.

2.1.2.1 Waste Layer Volume Approximation for Tank 241-BY-101

A comparative analysis of all layer approximations for the entire tank farm and the data used to derive the tank layer approximations are located in Appendix K.

2.1.2.2 In-Tank Photograph 241-BY-101

The 1989 assembled photographs of the Tank 241-BY-101 interior indicates a yellow and grey saltcake surface with no visible liquid (see Appendix I). The waste measures approximately 11.5 ft deep. The picture indicates solids clinging to the some of the equipment. The in-tank solidification prototype air heater circulator is visible in the top right of the layout. The debris shown next to the liquid observation well is equipment which has been cut off.

Picture quality is good and all the equipment in the tank is easily identified and has been labelled. There have been no changes in the tank which would affect the waste since these photographs were taken; therefore, the picture should be representative of the current tank contents.

2.1.3 Synopsis Tank 241-BY-101

(To be completed)

2.2 Tank 241-BY-102

2.2.1 241-BY-102 Tank History

2.2.1.1 Waste History Tank 241-BY-102

The waste history narrative in the following paragraph is from "A History of the 200 Area Tank Farms" (Anderson 1990). Tank 241-BY-102 began operation in September 1950 by receiving metal wastes from the Tank 241-BY-101 cascade overflow. The cascade series was full by the first quarter of 1951. The tank continued to receive and transfer waste via the cascade lines through the first quarter of 1954. Tank 241-BY-102 sluicing began in January 1954 and was released as empty on July 13, 1954. Tributyl phosphate waste was transferred from Tank 241-BY-105 and filled Tank 241-BY-102 by the second quarter of 1955. The tank received a small infusion of coating waste during the third quarter of 1957. Various tributyl phosphate transfers into Tank 241-BY-102 occurred during the last two quarters of 1957 and all outgoing transfers went to trenches. There were no transfers between the first quarter of 1958 and the third quarter of 1964. From the first quarter of 1961 to the second quarter of 1965, the level measurement was taken on a six-month basis. A large amount of coating waste from Tank 241-C-102 was deposited in the fourth quarter of 1964 and the second quarter of 1965. Tank 241-BY-102 contained evaporator bottoms waste and was a feed and receiver tank for the in-tank solidification program from the fourth quarter of 1966 through the second quarter of 1976.

Tank 241-BY-102 did not receive any primary waste additions according to the "Waste Status and Transaction Record Summary" (Agnew 1994) report.

The tank was deactivated in the third quarter of 1976 and is considered a sound tank awaiting interim stabilization. The tank was partially interim isolated in December 1982. The liquid was jet pumped on June 13, 1991. The draw down from pumping is noticeable in the liquid, solid, and liquid observation well waste levels. Solids level adjustments were made in June 1978, March 1982, March 1983, and April through August 1991. Currently, the tank contains 341,000 gal of saltcake with no reported supernatant or sludge. The saltcake results from the use of the tank for In-Tank Solidification Unit Number 1 (ITS 1). In-tank photographs were taken on the following dates: October 1971, October 1973, April 1976, several in 1977, September 1979, and September 1987. Sketch ES-TKS-E40, which shows a graphical representation of the Tank 241-BY-102 level history, and the historical waste level data used to make it are in Appendix C. The sketch shows three pH readings: 9.4 in May 1955, >14.0 in September 1974, and 13.4 in November 1990. Currently temperature readings are unavailable due to the thermocouples being out of service.

2.2.1.2 Temperature History 241-BY-102

The single thermocouple tree in Tank 241-BY-102 had 14 thermocouple probes monitor the waste temperature. No thermocouple tree is currently available according to the riser configuration document. The thermocouples have similar temperature readings that span from 1974 to 1979. Unlike the rest of the probes, thermocouple 1 has one reading in November 1991.

The mean temperature of the first data recorded for thermocouples 1 through 10 was 47°F. A sum of the squares regression line fit for the data shows a temperature increase with a large amount of variability. Throughout the time frame readings were taken, there were temperatures fluctuation of up to 60°F. An outlying low temperature of approximately 17°F was common to all the thermocouples in May 1976. The median temperature is 71°F with a minimum of 25°F and a maximum of 126.5°F. Tank 241-BY-102 has a semiannual temperature reading requirement in January and July.

Plots of the thermocouple readings for Tank 241-BY-102 are in Appendix D.

2.2.1.3 Integrity of Tank 241-BY-102

Tank 241-BY-102 is categorized as sound and is partially isolated. The Tank 241-BY-102 surface level is monitored daily with a manual tape through riser 5. Liquid waste volumes are determined by a manual tape and a photo evaluation; the solid waste volume is determined by a manual tape. The maximum allowable deviations from the 81-in. baseline value are a 2-in. increase, and a 2-in. decrease. The figure that graphically represents the surface level measurements from January 1991 to the present is in Appendix E. The waste level dropped in the middle of 1991 which corresponds with the jet pumping effort conducted in June 1991. Since the current baseline was established on November 8, 1991, the surface level has remained steady between 81 and 81.25 in.

The Tank 241-BY-102 liquid observation well is located in riser 1. The tank is monitored weekly with a neutron probe and on request with a gamma probe to determine the interstitial liquid levels. The maximum deviations from the established baseline are a 0.3-ft increase or a 0.4-ft decrease. Sketch ES-TKS-E40 in Appendix C has a graphical representation of the liquid observation well data.

Five drywells are identified for Tank 241-BY-102: drywells 22-02-01 (active prior to 1990, current readings > 200 c/s) and 22-02-09 (active prior to 1990, current readings < 200 c/s) have readings greater than the 50 c/s background radiation.

An occurrence report was issued in August 1974 for drywell 22-02-01. Increased radiation levels were attributed to horizontal migration of preexisting contamination from Tank 241-BY-103.

An off-normal occurrence 10-day report was written on July 3, 1991. Drywells around Tanks 241-BY-103 and -108 showed an increase in radiation levels while waste was being transferred from Tanks 241-BY-102 and -109 to the double-contained receiver Tank 244-BX. The drywells detected waste in the transfer lines. Transfer line flushing verified that the lines were not leaking because the radiation levels decreased.

Graphical representations of the data for each active drywell from January 1990 to the present are in Appendix F. Each graph includes the peak c/s (some wells have multiple peaks), the depth at which the peak occurred, and the date of the reading.

2.2.1.4 Historical Sample Analysis Data for Tank 241-BY-102

An analysis of Tank 241-BY-102 was conducted in December 1955 for an in-farm scavenging laboratory study. A table presenting the data that resulted from the study is in Appendix H.

2.2.2 Current Status of Tank 241-BY-102

Tank 241-BY-102 entered service in July 1950 and currently stores 341,000 gal waste. The waste is comprised of 312,000 gal of saltcake; 29,000 gal of unknown waste; and no supernatant or sludge with 22,000 gal of pumpable interstitial liquid remaining. The tank is identified as a low-heat load tank, is passively ventilated, and is categorized as sound with partial interim isolation completed. Tank 241-BY-102 is equipped to cascade to Tank 241-BY-103 and is second in the three-tank cascade series. The plan view and tank cross-section that depict the approximate waste level and riser configuration are in Appendix G. Tank 241-BY-102 has 17 risers and two 12-in. risers, no. 8 and no. 10A, are available for use.

2.2.2.1 Waste Layer Volume Approximation for Tank 241-BY-102

A comparative analysis of all layer approximations for the entire tank farm and the data used to derive the tank layer approximations are located in Appendix K.

2.2.2.2 In-Tank Photograph 241-BY-102

The 1987 montage of the Tank 241-BY-102 interior indicates a yellow-grey to off-white saltcake surface surrounding a liquid pool in the center of the tank. The liquid has a dark brown/black color and yet it is translucent (see Appendix I). Approximately 341,000 gal of saltcake are in the tank which measures about 10 ft deep. In the top center of the layout, the in-tank solidification unit #1, air heater circulator is visible. In 1991 Tank 241-BY-102 was jet pumped and level adjustment made; therefore, the picture may not represent the current tank interior or tank contents.

2.2.3 Synopsis Tank 241-BY-102
(To be completed)

2.3 Tank 241-BY-103

2.3.1 241-BY-103 Tank History

2.3.1.1 Waste History Tank 241-BY-103

The waste history narrative in the following paragraph is from "A History of the 200 Area Tank Farms" (Anderson 1990). Tank 241-BY-103 was filled with metal waste from Tank 241-BY-102 from October 1950 to March 1951. The tank contained metal waste until the first quarter of 1954. Sluicing was used for uranium recovery in the second quarter of 1954 and the metal waste was sent to Tanks 241-C-104 and -105 and 241-BY-109. The tank was declared empty on June 3, 1954. From the first quarter of 1955 until the second quarter of 1965, the tank contained U Plant waste. During the first two quarters of 1956, the waste was considered to be scavenged waste awaiting rework. In the third quarter of 1957, waste from scavenging was sent to the CR process vault. The tank also contained PUREX high-level waste and U Plant waste from the fourth quarter of 1957 until the second quarter of 1965. The tank contained coating waste from the third quarter of 1965 until the fourth quarter of 1970. The tank was used for in-tank solidification decanting in 1965 and for in-tank solidification from 1967 until 1968. From the fourth quarter of 1968 until the fourth quarter of 1970,the tank contained organic wash waste, evaporator bottoms waste, and coating waste. Beginning in the first quarter of 1971 and into the second quarter of 1974, the tank contained evaporator bottoms waste from the in-tank solidification unit no. 2 process. The tank was declared an assumed leaker in 1973 with a leak volume greater than 5,000 gal. Presently, the tank waste is classified as non-complexed.

The waste history narrative of the primary additions that follow in this paragraph are from the "Waste Status and Transaction Record Summary" (Agnew 1994). Tank 241-BY-103 received PUREX cladding waste from the third quarter of 1965 until the third quarter of 1966.

A saltwell was installed in 1977. Primary stabilization was completed in September 1979 and a level adjustment was made in February 1980. A level adjustment was made in March 1982 and partial isolation was completed in December 1982. A major level adjustment was made in September 1987 because of jet pumping and another level adjustment was made in April 1990. Plotted liquid observation data represents the supernatant level. The tank was pumped in 1987 but only to a smaller supernatant level. In-tank photographs were taken on the following dates: December 1970, January 1972, September 1977, August 1979, January 1980, two in 1981, July 1984, July 1986, July 1987, December 1988, September 1989, and April 1990. Sketch ES-TKS-E41, which shows a graphical representation of the Tank 241-BY-103 level history, and the historical waste level data used to make it are in Appendix C. The sketch shows four pH readings: 9.3 in May 1955, 9.2 in July 1957,

13.3 in November 1990, and 13.5 in June 1991. The current maximum temperature reading from October 1993 is 81° F.

2.3.1.2 Temperature History 241-BY-103

The single thermocouple tree in Tank 241-BY-103 has 14 thermocouple probes to monitor the waste temperature. Elevations are available for all the thermocouple probes. Temperature readings for thermocouples 1 through 12 are similar and span from 1974 to the present. Thermocouples 13 and 14 have little or no data before January 1989 but follow the same trends thereafter. There is a gap in temperature data from February 1984 until February 1987. Review of the Tank 241-BY-103 level history indicates that for the time period the readings were recorded, thermocouples 1 through 7 were located in or near the solids level and thermocouples 8 through 14 were in the vapor space.

The mean temperature of the first data recorded for thermocouples 1 through 12 was 39°F. A sum of the squares regression line fit for thermocouples 1 through 12 shows a slight temperature increase with a large amount of variability. Pronounced temperature fluctuations are apparent from 1974 to 1980. There is an outlying data point of approximately 27°F in December 1981. Annual temperature undulations are apparent in the data after January 1992. For this data set, the median temperature is 75^0F with a minimum of 33.8^0F and a maximum of 137^0F. Tank 241-BY-103 is on the Ferrocyanide Watch List and has a weekly temperature monitoring requirement.

Plots of the thermocouple readings for Tank 241-BY-103 are in Appendix D.

2.3.1.3 Integrity of Tank 241-BY-103

Tank 241-BY-103 is categorized as an assumed leaker and is partially isolated. The Tank 241-BY-103 surface level is monitored quarterly with a manual tape through riser 5. Liquid waste volume is determined by a photographic evaluation and manual tape, and solid waste volume is determined by a manual tape surface level gauge. The maximum allowable deviations from the 154-in. baseline is a 2-in. increase. There is no criterion for a decrease. The figure that graphically represents the surface level measurements from January 1991 to the present is in Appendix E. The surface level plot indicates a decreasing trend with the surface level readings ranging between 151.75 and 150.75 in. during 1991 and decreasing to 149.5 to 147.75 in. during 1993.

An occurrence report was issued in January 1990 due to water intrusion caused by rapid snow melt runoff through the pump pits.

The Tank 241-BY-103 liquid observation well is located in riser 10A. The tank is monitored weekly with a neutron probe and on request with a gamma probe to determine the interstitial liquid levels. The maximum deviations from the established baseline are

a 0.3-ft increase and a 0.4-ft decrease. Sketch ES-TKS-E41 in Appendix C has a graphical representation of the liquid observation well data.

Eight drywells are identified for Tank 241-BY-103. Drywells 22-03-04 (active prior to 1990, current readings < 200 c/s), 22-03-05 (active prior to 1990, current readings > 200 c/s), 22-03-06 (active prior to 1990, current readings > 200 c/s), and 22-03-09 (active prior to 1990, current readings > 200 c/s) have readings greater than the 50 c/s background radiation.

Graphical representations of the data for each active drywell from January 1990 to the present are in Appendix F. Each graph includes the peak c/s (some wells have multiple peaks), the depth at which the peak occurred, and the date of the reading.

2.3.1.4 Historical Sample Analysis Data for Tank 241-BY-103

In December 1955, a sample from Tank 241-BY-103 was analyzed for an in-farm scavenging laboratory study. In 1971, a chemical analysis was performed as part of a cooling curve study of the supernatant. Tables presenting the results of these two studies are in Appendix H.

2.3.2 Current Status of Tank 241-BY-103

The 1986 assembled photographs of the Tank 241-BX-103 interior is poor quality and waste surface features are unidentifiable (see Appendix I). It appears that the color may be black. Records indicate that 57 tons of Portland cement was added to this tank (Boomer 1990). Some equipment in the tank is visible and it has been identified and labelled. The tank contains approximately 66,000 gal of waste which corresponds to approximately 1.5 ft in depth. There have been no changes in the tank which would affect the waste since these photographs were taken; therefore, the picture should be representative of the current tank contents.

2.3.2.1 Waste Layer Volume Approximation for Tank 241-BY-103

A comparative analysis of all layer approximations for the entire tank farm and the data used to derive the tank layer approximations are located in Appendix K.

2.3.2.2 In-Tank Photograph 241-BY-103

The 1989 photographic montage of the Tank 241-BY-103 interior indicates an off-white solid material around the outside of the tank and a gray mixture in the center (see Appendix I). All the colors appear to have been biased toward blue, so true colors are uncertain. Equipment is clearly shown and it has been identified and labelled. There is no evidence of any liquid remaining in the tank. The tank contains approximately 400,000 gallons of waste which measures about 12 ft deep. Level adjustments were made in April of 1990 and August of 1991; therefore, the picture may not

represent the current tank interior. Tank 241-BY-103 is on the Ferrocyanide Watch List.

2.3.3 Synopsis Tank 241-BY-103

(To be completed)

2.4 Tank 241-BY-104

2.4.1 241-BY-104 Tank History

2.4.1.1 Waste History Tank 241-BY-104

The waste history narrative in the following paragraph is from "A History of the 200 Area Tank Farms" (Anderson 1990). Metal waste was introduced to the tank in the first quarter of 1950 through Tank 241-BX-106 cascade. The tank was filled with metal waste from March to June 1951. The tank cascade overflowed to Tank BY-105 during 1951. The tank contained metal waste until the first quarter of 1954 when it was sluiced for uranium recovery. From the second quarter of 1955 until the second quarter of 1967, the tank contained U Plant waste. The tank was caverned in the fourth quarter of 1955. Periodically, accumulated sludge from the ferrocyanide scavenging process was sent to Tank 241-BY-104. From the first quarter of 1961 until the first quarter of 1968, the tank contained coating waste. Between the second quarter of 1968 and the first quarter of 1970, the tank contained ion exchange waste. From the second quarter of 1970 until the second quarter of 1976, the tank received evaporator bottoms waste. The evaporator bottoms waste was from the in-tank solidification process. The tank contained evaporator feed bottoms waste from the third quarter of 1976 until the fourth quarter of 1977. Presently, the waste is classified as non-complexed.

Tank 241-BY-104 did not receive any primary waste additions according to the "Waste Status and Transaction Record Summary" (Agnew 1994) report.

A saltwell was installed in 1977 and the tank was declared inactive in 1978. The pump was removed in 1979. A level adjustment was made in April 1982. The tank was saltwell-pumped again in May 1983 and the tank was declared interim stabilized in January 1985. Intrusion prevention was completed in September 1990. Liquid observation well data have been plotted. Based on the saltwell pumping and interim stabilization dates, an engineering judgement was made that predicted levels before data were known. In-tank photographs were taken on the following dates: several in 1970, October 1973, two in 1976, September 1977, February 1981, and April 1983. Sketch ES-TKS-E42, which shows a graphical representation of the Tank 241-BY-104 level history, and the historical waste level data used to make it are in Appendix C. The sketch shows two pH readings: 9.3 in November 1955 and >14.0 in March 1976. The current maximum temperature readings from October 1993 are 128° F and 115° F for thermocouples in risers 1 and 10B respectively.

2.4.1.2 Temperature History 241-BY-104

Tank 241-BY-104 has two thermocouple trees to monitor the waste temperature. Tree 1 has 12 thermocouple probes and tree 2 has 6 thermocouple probes. Elevations are available for all the

thermocouples probes except 7 through 12 on tree 1. Thermocouples 1 through 6 on tree 1 have similar data that span from 1974 to the present. Thermocouples 7 through 12 show the same trends but have little or no data after January 1983. On tree 2, all thermocouples have similar information that span from September 1992 to the present.

Review of the Tank 241-BY-104 level history indicates that tree 1, thermocouples 1 through 5 were in or near the solids level and thermocoumples 6 through 12 were in the vapor space. For tree 2, thermocouples 1 through 5 were in or near the solids level and thermocouple 6 was in the vapor space.

The mean temperature of the first recorded data from thermocouple tree 1 was 69°F and the mean temperature from thermocouple tree 2 was 101°F. A sum of the squares regression line fit for all the data shows a slight temperature decrease with a moderate amount of variability. The temperature decreased as much as 100°F from the bottom to the top of the tank. For all the thermocouples on tree 1, there is a significant increase in temperature of approximately 100°F from May to June 1975. Annual temperature fluctuations are apparent in tree 2. The median temperature is 122°F with a minimum of 51°F and a maximum of 237°F. Tank 241-BY-104 is no longer connected to an operating exhauster for temperature control. Tank 241-BY-104 is on the Ferrocyanide Watch List and has a weekly temperature monitoring requirement.

Plots of the thermocouple readings for Tank 241-BY-104 are in Appendix D.

2.4.1.3 Integrity of Tank 241-BY-104

Tank 241-BY-104 is categorized as sound and is interim stabilized with intrusion prevention completed. The Tank 241-BY-104 surface level is monitored quarterly with a manual tape through riser 5. Liquid waste volume is determined by a photographic evaluation and solid waste volume is determined with a manual tape surface level gauge. The maximum allowable increase from the 131-in. baseline is 3 in. There is no criterion for a decrease. The figure that graphically represents the surface level measurements from January 1991 to the present is in Appendix E. The surface level plot has fluctuating readings with a decreasing trend. The readings range from 131.75 to 131 in. during the first quarter of 1991 and decrease to 128.59 to 128.5 in. during the fourth quarter of 1993.

The Tank 241-BY-104 liquid observation well is located in riser 10C. The tank is monitored weekly with a neutron probe and on request with a gamma probe to determine the interstitial liquid level. The maximum deviations from the established baseline are a 0.3-ft increase and a 0.4-ft decrease. Sketch ES-TKS-E42 in Appendix C has a graphical representation of the liquid observation well data.

Five drywells are identified for Tank 241-BY-104. Drywells 22-04-09 (active prior to 1990, current readings < 200 c/s) has readings greater than the 50 c/s background radiation.

Graphical representations of the data for the active drywell from January 1990 to the present is in Appendix F. The graph includes the peak c/s, the depth at which the peak occurred, and the date of the reading.

2.4.1.4 Historical Sample Analysis Data for Tank 241-BY-104

No data are available or applicable. A letter published in November 1977 indicated that significant temperature gradients had been detected in the tank. According to historical records, Tank 241-BY-104 has been identified as the tank with the greatest amount of ferrocyanide wastes. There is a reference in current records to a sample analyzed in 1976 but the data are not available.

2.4.2 Current Status of Tank 241-BY-104

Tank 241-BY-104 entered service in February 1951 and currently stores 406,000 gal of waste. The waste is comprised of 256,000 gal of saltcake and 150,000 gal of sludge with no saltcake or pumpable liquid remaining. The tank is identified on the Ferrocyanide Watch List, is passively ventilated, and is categorized as sound with interim stabilization and intrusion prevention completed. Tank 241-BY-104 is equipped to cascade to Tank 241-BY-105 and is first in the three-tank cascade series. The plan view and tank cross-section that depict the approximate waste level and riser configuration are in Appendix G. Tank 241-BY-104 has 15 risers and two 4-in. risers, no. 3 and no. 10B are available for use.

2.4.2.1 Waste Layer Volume Approximation for Tank 241-BY-104

A comparative analysis of all layer approximations for the entire tank farm and the data used to derive the tank layer approximations are located in Appendix K.

2.4.2.2 In-Tank Photograph 241-BY-104

The 1983 montage of the Tank 241-BY-104 interior indicates an off-white to yellow solid surface interspersed with dark yellow-brown veins with a brown area at the base of the saltwell screen (see Appendix I). Three air lift circulators, a saltwell screen, a temperature probe and a manual tape have been identified and labelled. An old level measurement tape is lying on the waste surface in the center of the tank. The tank contains approximately 406,000 gal of waste deep which measures approximately 12 ft. Tank 241-BY-104 was jet pumped and interim stabilized in 1985 and it was saltwell pumped in 1984. The photographs were taken prior to the pumping and stabilization efforts; therefore, the picture does not represent the current tank contents.

2.4.3 Synopsis Tank 241-BY-104

(To be completed)

2.5 Tank 241-BY-105

2.5.1 241-BY-105 Tank History

2.5.1.1 Waste History Tank 241-BY-105

The waste history narrative in the following paragraph is from "A History of the 200 Area Tank Farms" (Anderson 1990). Tank 241-BY-105 was filled with metal waste from the cascade from June 1951 until the fourth quarter of 1951. The metal waste was sluiced for uranium recovery in the third quarter of 1954. The tank started receiving U Plant waste from tanks 241-BY-107 and 241-BY-110 in the fourth quarter of 1954. The tank received U Plant waste intermittently until the third quarter of 1966. Coating waste was sent to the tank from the second quarter of 1962 until the fourth quarter of 1967. The tank was an in-tank solidification bottoms receiver during the first two quarters of 1967. The tank contained evaporator bottoms waste from the in-tank solidification program between the first quarter of 1968 to the second quarter of 1974. The tank was removed from service in the fourth quarter of 1974. The tank was saltwell pumped from 1975 to 1976. Sixty-three tons of Portland cement were added in 1977. The tank had questionable integrity and was primary stabilized in 1978. Presently, the tank waste is classified as non-complexed.

The waste history narrative of the primary additions that follow in this paragraph are from the "Waste Status and Transaction Record Summary" (Agnew 1994). Tank 241-BY-105 received wastewater from the third quarter of 1957 until the fourth quarter of 1974.

A level adjustment was made in April 1982 and partial isolation was completed in December 1982. The tank was declared an assumed leaker in 1984 with a leak volume of approximately 8,000 gal. Liquid observation well data were plotted. An engineering judgement was made prior to March 1986 based on pumping that started in 1975 and ended in 1976. In-tank photographs were taken on the following dates: several in 1970, April 1976, February 1981, November 1982, and July 1986. Sketch ES-TKS-E43 which shows a graphical representation of the Tank 241-BY-105 level history, and the historical waste level data used to make it are in Appendix C. The sketch shows three pH readings: 9.3 in July 1956, 13.2 in November 1990, and 13.3 in June 1991. The current maximum temperature readings from October 1993 are 120° F and 114° F for thermocouples in risers 1 and 10C respectively.

2.5.1.2 Temperature History 241-BY-105

Tank 241-BY-105 has two thermocouple trees to monitor the waste temperature: tree 1 has 16 thermocouple probes and tree 2 has 12 thermocouple probes. Elevations are available for all the thermocouple probes, except for probes 15 and 16 on tree 1 and probes 7 through 12 on tree 2. No data are available on thermocouple 11 of tree 2 for this tank. Thermocouples 1 through 6 on tree 1 show similar readings that span from 1974 to the

present. A gap in the recorded data occurs between 1982 and 1985. Thermocouples 7 through 12 on tree 1 have similar temperature readings but have a gap in the data between 1982 and 1992. Data for thermocouples 13 through 16 on tree 1 are sparse. Thermocouples 13 and 14 each have 6 data points, thermocouple 15 has 4 data points, and thermocouple 16 has 3 data points. Data for tree 2 are similar for all thermocouples and are available only after January 1992.

The Tank 241-BY-105 level history indicates that from September 1974 to October 1982, thermocouples 1 through 7 were in or near the solids/liquid level, thermocouples 8 and 9 were in or near the solids level, and thermocouples 10 through 16 appear to have been in the vapor space. Thereafter, thermocouples 1 through 7 were still in or near the solids/liquid level, thermocouple 8 was in or near the solids level, and the rest appear to have beeen in the vapor space.

The mean temperature of the first recorded data was 47°F for thermocouple tree 1 and 97°F for thermocouple tree 2. A sum of the squares regression line fit for thermocouple tree 1 shows a slight temperature decrease with a moderate amount of variability. Temperatures increase more than 50°F from the bottom to the top of the tank. For all the thermocouples on tree 1, a significant increase in temperature of approximately 75°F occurred from May to June 1975. Not enough data are available for an accurate regression analysis on thermocouple tree 2. Annual temperature fluctuations are apparent in tree 2. The median temperature is 103°F with a minimum of 44°F and a maximum of 179.6°F. The tank is no longer connected to an operating exhauster for temperature control. Tank 241-BY-105 is on the Ferrocyanide Watch List and has weekly temperature monitoring requirements.

Plots of the thermocouple readings for Tank 241-BY-105 are in Appendix D.

2.5.1.3 Integrity of Tank 241-BY-105

Tank 241-BY-105 is categorized as an assumed leaker and is partially isolated. The Tank 241-BY-105 surface level is monitored quarterly with a manual tape through riser 5. Liquid waste volume is determined by a photographic evaluation, and solid waste volume is determined by a manual tape surface level gauge and a photographic evaluation. The maximum allowable increase from the 182-in. baseline is 2 in. There is no criterion for a decrease. The figure that graphically represents the surface level measurements from January 1991 to the present is in Appendix E. The surface level graph shows fluctuating data with a decreasing trend. The readings range from 181.75 to 181 in. during the first quarter of 1991 and decrease to 173.25 to 172 in. during the fourth quarter of 1993.

The Tank 241-BY-105 liquid observation well is located in riser 10B. The tank is monitored weekly with a neutron probe and

on request with a gamma probe to determine the interstitial liquid levels. The monitoring limits are a 0.3-ft decrease and a 0.4-ft increase. Sketch ES-TKS-E43 in Appendix C has a graphical representation of the liquid observation well data.

A discrepancy report was issued in June 1993 because the interstitial liquid level increased to the criteria limit. The tank has had a slow increasing trend since 1986, but the surface level readings show a decrease. This phenomena could be caused by solids dissolution or the formation of a depression in the solids beneath the plummet in conjunction with an intrusion.

Three drywells are identified for Tank 241-BY-105. Drywells 22-05-01 (not active prior to 1990, but with two erratic readings > 50 c/s, and 22-05-09 (active prior to 1990, current readings < 200 c/s) have or had readings greater than the 50 c/s background radiation.

Graphical representations of the drywell data for each active drywell from January 1990 to the present are in Appendix F. Each graph includes the peak c/s, the depth at which the peak occurred, and the date of the reading.

2.5.1.4 Historical Sample Analysis Data for Tank 241-BY-105

None available or applicable.

2.5.2 Current Status of Tank 241-BY-105

Tank 241-BY-105 entered service in June 1951 and currently stores 503,000 gal of waste. The waste is comprised of 337,000 gal of saltcake; 166,000 gal of sludge; and no supernatant with 169,000 gal of pumpable interstitial liquid remaining. The tank is identified on the Ferrocyanide Watch List, is passively ventilated, and is categorized as an assumed leaker with partial isolation completed. Tank 241-BY-105 is equipped to cascade to Tank 241-BY-106 and is second in the three-tank cascade series. The plan view and tank cross-section that depict the approximate waste level and riser configuration are in Appendix G. Tank 241-BY-105 has 19 risers and one 12-in. riser no. 7 is available for use.

2.5.2.1 Waste Layer Volume Approximation for Tank 241-BY-105

A comparative analysis of all layer approximations for the entire tank farm and the data used to derive the tank layer approximations are located in Appendix K.

2.5.2.2 In-Tank Photograph 241-BY-105

The 1982 assembled photographs of the Tank 241-BY-105 interior indicates a mostly solid surface with colors ranging from white to tan to light brown (see Appendix I). The saltwell screen in the center of the photo extends down into a pool of reddish-brown

liquid. In 1966, 63 tons of Portland cement were added to the tank (Welty 1988). The liquid observation well, temperature probe, and air lift circulator descend into depressions in the crust. The tank contains approximately 503,000 gal of waste which measures about 15 ft deep. A leak was reported in 1984; therefore, the picture may not represent the current tank contents.

2.5.3 Synopsis Tank 241-BY-105

(To be completed)

2.6 Tank 241-BY-106

2.6.1 241-BY-106 Tank History

2.6.1.1 Waste History Tank 241-BY-106

The waste history narrative in the following paragraph is from "A History of the 200 Area Tank Farms" (Anderson 1990). Because Waste from Tank 241-BY-105 never overflowed into Tank 241-BY-106; therefore, Tank-241-BY-106 never contained metal waste from Tank 241-BY-105. Tank 241-BY-106 began to receive first-cycle waste in the second quarter of 1953. The tank held first-cycle waste until it was sluiced for uranium recovery in the fourth quarter of 1954. From the fourth quarter of 1954 until the first quarter of 1967, the tank intermittently received U Plant waste. In the first quarter 1956, the tank was used as a settling tank for ferrocyanide scavenged waste. During 1956 and 1957, waste was sent to a crib and a ditch. Beginning in the fourth quarter of 1961, the tank received coating waste periodically until the second quarter of 1970. In the first quarter of 1968, the tank began to receive evaporator bottoms waste. The tank received in-tank solidification bottoms and recycle waste between the third quarter of 1970 and the second quarter of 1976. The tank received evaporator feed from the third quarter of 1976 until the fourth quarter of 1977. Activity in the tank was restricted in the third quarter of 1976. Presently, the tank waste is classified as non-complexed.

The waste history narrative of the primary additions that follow in this paragraph are from the "Waste Status and Transaction Record Summary" (Agnew 1994). Tank 241-BY-106 received in-plant ferrocyanide waste from the first quarter of 1955 until the first quarter of 1957. From the third quarter of 1957 until the third quarter of 1974, the tank received wastewater.

Saltwell pumping began in the first quarter of 1977 and the tank was declared inactive in 1977. Saltwell pumping was completed in 1978. A level adjustment was made in April 1992 and partial isolation was completed in December 1982. The tank was declared an assumed leaker in 1984 with a leak volume of approximately 8,000 gal. Liquid observation well data that have been plotted appear to be in error. In-tank photographs were taken on the following dates: December 1970, December 1971, two in 1972, two in 1977, August 1979, February 1981, and November 1982. Sketch ES-TKS-E44, which shows a graphical representation of the Tank 241-BY-106 level history, and the historical waste level data used to make it are in Appendix C. The sketch shows twelve pH readings: 9.4 in March 1955, 8.8 in June 1955, 9.8 in December 1955, 10.0 in February 1956, 9.8 in May 1956, 9.7 in July 1956, 8.8 in August 1956, 9.2 in October 1956, 9.6 in December 1956, 9.4 in February 1957, >14.0 in April 1972, and 13.5 in November 1990. The current maximum temperature reading from October 1993 is 129° F.

(active prior to 1990, current readings < 200 c/s) have or had readings greater than the 50 c/s background radiation.

Graphical representations of the data for each active drywell from January 1990 to the present are in Appendix F. Each graph includes the peak c/s (some wells have multiple peaks), the depth at which the peak occurred, and the date of the reading.

2.6.1.4 Historical Sample Analysis Data for Tank 241-BY-106

Two analyses were conducted for Tank 241-BY-106: one in April 1972 and one in October 1971. A sample of the tank supernatant was analyzed in 1971 as part of an investigation to develop some cooling curves. In 1972, two samples were analyzed to determine if tank layering was occurring. The results showed no significant layering. Tables presenting the results of these analyses are in Appendix H.

2.6.2 Current Status of Tank 241-BY-106

Tank 241-BY-106 entered service in 1950 and currently stores 642,000 gal of waste. The waste is comprised of 544,000 gal of saltcake; 98,000 gal of sludge; and no supernatant with 213,000 gal of pumpable interstitial liquid remaining. The tank is identified on the Ferrocyanide Watch List, is passively ventilated, and is categorized as an assumed leaker with partial isolation completed. Tank 241-BY-106 is third in the three-tank cascade series. The plan view and tank cross-section that depict the approximate waste level and riser configuration are in Appendix G. Tank 241-BY-106 has 18 risers and two are available for use: one 4-in. riser (no. 4) and one 12-in. riser (no. 7).

2.6.2.1 Waste Layer Volume Approximation for Tank 241-BY-106

A comparative analysis of all layer approximations for the entire tank farm and the data used to derive the tank layer approximations are located in Appendix K.

2.6.2.2 In-Tank Photograph 241-BY-106

The 1982 photographic montage of the contents of Tank 241-BY-106 interior indicates a bright yellow to gold crusty material which appears to be sitting on top of or possibly mixed in with a white salt-like caked surface (see Appendix I). Throughout the surface are pools of reddish-brown liquid. Solids have formed around the air lift circulators, temperature probe, saltwell screen, and an old level measure tape. The tank contains approximately 642,000 gal of waste which measures about 19 ft deep. A leak was reported in 1984; therefore, the picture may not represent the current tank contents.

2.6.3 Synopsis Tank 241-BY-106

(To be completed)

2.6.1.2 Temperature History 241-BY-106

The single thermocouple tree in Tank 241-BY-106 has 12 thermocouple probes to monitor the waste temperature. Thermocouples 1 through 6 have similar temperature readings that span from 1974 to the present. Thermocouples 7 through 12 have readings similar to the first 6 thermocouples that span from 1974 to 1985. A distinct temperature decrease of approximately 40°F in thermocouple 6 occurred in January 1983. Review of the Tank 241-BY-106 level history indicates that thermocouples 1 through 5 were in or near the solids level and the rest were in the vapor space.

The mean temperature for the first daily recorded temperature data was 60°F. A sum of the squares regression line fit for thermocouples 1 through 6 shows a slight temperature decrease with a moderate amount of variability. Thermocouples 7 through 12 show no overall temperature change during a regression analysis; however, a moderate amount of variability exists in the data. There is a sharp temperature increase of approximately 90°F from June to July 1975. Two outlying points of approximately 52°F in October 1984 are common to all the thermocouples. The median temperature is 123.4°F with a minimum of 53°F and a maximum of 199.4°F. The tank is currently connected to an operating exhauster. Tank 241-BY-106 is on the Ferrocyanide Watch List and weekly temperature readings are required.

Plots of the thermocouple readings for Tank 241-BY-106 are in Appendix D.

2.6.1.3 Integrity of Tank 241-BY-106

Tank 241-BY-106 is categorized as an assumed leaker and is partially isolated. The Tank 241-BY-106 surface level is monitored quarterly with a manual tape through riser 5. Liquid waste volume is determined by a photographic evaluation and solid waste volume is determined by a manual tape surface level gauge and a photographic evaluation. The maximum allowable increase from the 243.5-in. baseline is 2 in. There is no criterion for a decrease. The figure that graphically represents the surface level measurements from January 1991 to the present are in Appendix E. The surface level for the past 3 years has remained steady with readings ranging between 244.25 and 242.5 in.

The Tank 241-BY-106 liquid observation well is located in riser 10B. The tank is monitored weekly with a neutron probe and on request with a gamma probe to determine the interstitial liquid levels. The monitoring limits are a 0.3-ft decrease and a 0.4-ft increase. Sketch ES-TKS-E44 in Appendix C has a graphical representation of the liquid observation well data.

Four drywells are identified for Tank 241-BY-106. Drywells 22-06-05 (active prior to 1990, current readings > 200 c/s), 22-06-07 (active prior to 1990, current readings < 200 c/s), and 22-06-11

2.7 Tank 241-BY-107

2.7.1 241-BY-107 Tank History

2.7.1.1 Waste History Tank 241-BY-107

The waste history narrative in the following paragraph is from "A History of the 200 Area Tank Farms" (Anderson 1990). Tank 241-BY-107 was filled with first-cycle waste from September 1950 to March 1951. The tank cascaded between 1951 and 1952 and from the first quarter of 1953 until the first quarter of 1954. The tank received first-cycle waste until the third and fourth quarters of 1952 when the tank was pumped to a heel. Between the first quarter of 1953 and the third quarter of 1956, the tank received first-cycle and U Plant waste. The tank was pumped in the third quarter of 1954 and became a ferrocyanide scavenged waste receiver. From the third quarter of 1956 until the third quarter of 1968, the tank contained U Plant waste. From the fourth quarter of 1958 to the third quarter of 1969, the tank contained U Plant waste and coating waste. Between the fourth quarter of 1969 and the fourth quarter of 1974, the tank received evaporator bottoms waste from the in-tank solidification process. The tank integrity was questioned in 1974. Presently, the tank waste is classified as non-complexed.

The waste history narrative of the primary additions that follow in this paragraph are from the "Waste Status and Transaction Record Summary" (Agnew 1994). Tank 241-BY-107 received first-cycle waste from the third quarter of 1950 until the third quarter of 1951. From the second quarter of 1953 until the first quarter of 1954, the tank received uranium recovery waste. The tank received in-plant ferrocyanide waste from the fourth quarter of 1954 until the second quarter of 1957. During the third quarter of 1958, the tank received wastewater.

A liquid observation well was installed in the tank in 1975. The tank was removed from service in the first quarter of 1976 and was saltwell pumped in the third quarter of 1976. The tank was primary stabilized in the first quarter of 1978. Saltwell pumping was completed in June 1979 and the tank was declared interim stabilized in July 1979. Intrusion prevention was completed in December 1982. The tank was declared an assumed leaker in 1984 with a leak volume of 15,100 gal. Liquid observation well data were plotted to represent the interstitial liquid level. Prior to 1986, the interstitial level was based on best engineering judgement. The tank was pumped in 1975 and pumping was completed in 1978. In-tank photographs were taken on the following dates: October 1969, two in 1970, June 1971, two in 1974, March 1975, May 1977, June 1979, January 1981, and October 1986. Sketch ES-TKS-E45, which shows a graphical representation of the Tank 241-BY-107 level history, and the historical waste level data used to make it are in Appendix C. The sketch shows thirteen pH readings on the level history: 9.3 in November 1954, 9.4 in February 1955, 9.0 in April 1955, 9.9 in August 1955, 9.3 in October 1955, 10.0 in January 1956, 9.9 in March 1956, 9.6 in April 1956, 9.7 in June

1956, 9.3 in October 1956, 9.4 in December 1956, 12.3 in April 1957, and >14 in July 1979. The current maximum temperature reading from October 1993 is 96°F.

2.7.1.2 Temperature History 241-BY-107

The single thermocouple tree in Tank 241-BY-107 has 15 thermocouple probes to monitor the waste temperature. All the thermocouples have elevation data except thermocouple 15. Thermocouples 1 through 5 have similar temperature readings that span from 1974 to the present. For thermocouples 6 through 14, the available data are similar to the first 5 thermocouples; however, little data exist before 1990. There is a gap in temperature readings from April 1979 until November 1989, although a thermocouple tree was in the tank in October 1986. Thermocouple 15 has one data point. Review of the Tank 241-BY-107 level history indicates that from August 1974 to January 1978, thermocouples 1 through 6 were in or near the solids/liquid level and thermocouples 7 through 15 were in the vapor space. From January 1978 to April 1982, thermocouples 1 through 3 were in or near the solids/liquid level, thermocouples 4 through 6 were in or near the solids level, and the rest were in the vapor space. Due to a increase in the solids level between April 1982 and January 1984, thermocouples 1 through 3 were in or near the solids/liquid level, thermocouples 4 through 7 were in or near the liquid level, and the rest were in the vapor space. Thereafter, thermocouples 1 through 3 were in or near the solids/liquid level, thermocouples 4 through 6 were in or near the liquid level, and the rest were in the vapor space.

The mean temperature for the first daily recorded readings was 35°F. A sum of the squares regression line fit for the first 10 thermocouples shows a slight temperature increase with a large amount of variability. Regression analysis shows that for thermocouples 11 through 14, there is no overall change in temperature and a moderate amount of variability. Not enough data points exist to do an accurate regression or variability analysis for thermocouple 15. Thermocouples 1 through 5 and 12 show a sharp temperature increase of approximately 70°F between June and July 1975. Variable temperatures are apparent for the data from 1974 to 1992. Annual temperature undulations are apparent after January 1992. The median temperature is 77.9°F with a minimum of 30.1°F and a maximum of 120.2°F. Tank 241-BY-107 is a Ferrocyanide Watch List tank and weekly temperature readings are required.

Plots of the thermocouple readings for Tank 241-BY-107 are in Appendix D.

2.7.1.3 Integrity of Tank 241-BY-107

Tank 241-BY-107 is categorized as an assumed leaker and is interim stabilized with intrusion prevention completed. The Tank 241-BY-107 surface level is monitored quarterly with a manual tape through riser 4. Liquid waste volume is determined by a photographic evaluation and solid waste volume is determined by a

manual tape surface level gauge and a photographic evaluation. The maximum allowable increase from the 103.5-in. baseline is 3 in. There is no criterion for a decrease. The figure that graphically represents the surface level measurements from January 1991 to the present is in Appendix E. The surface level for the past 3 years has remained steady with readings ranging between 104 and 103 in.

The Tank 241-BY-107 liquid observation well is located in riser 7. The tank is monitored weekly with a neutron probe and on request with a gamma probe to determine the interstitial liquid levels. The maximum deviations from the established baseline are a 0.3-ft increase and a 0.4-ft decrease. Sketch ES-TKS-E45 in Appendix E has a graphical representation of the liquid observation well data.

Six drywells are identified for Tank 241-BY-107. Drywells 22-07-01 (active prior to 1990, current readings < 200 c/s), 22-07-02 (active prior to 1990, current readings < 200 c/s), 22-07-05 (active prior to 1990, current readings < 200 c/s), 22-07-07 (active prior to 1990, current readings < 200 c/s), 22-07-09 (active prior to 1990, current readings > 200 c/s), and 22-07-10 (active prior to 1990, current readings > 200 c/s) have readings greater than the 50 c/s background radiation.

Occurrence reports were written in 1979 and 1980 due to increased activity in the drywells resulting from migration of contamination in the soil. The migration was attributed to snow melt, nearby water bibs, and condensate from a steam cleaner entering the soil.

Graphical representations of the drywell data for each active drywell from January 1990 to the present are in Appendix F. Each graph includes the peak c/s (some wells have multiple peaks), the depth at which the peak occurred, and the date of the reading.

2.7.1.4 Historical Sample Analysis Data for Tank 241-BY-107

No data are available or applicable. No units are shown on one table available.

2.7.2 Current Status of Tank 241-BY-107

Tank 241-BY-107 entered service in December 1950 and currently stores 266,000 gal of waste. The waste is comprised of 149,000 gal of saltcake and 117,000 gal of sludge with no supernatant or pumpable liquid remaining. The tank is identified on the Ferrocyanide Watch List as of January 1991, is passively ventilated, and is categorized as an assumed leaker with interim stabilization and intrusion prevention completed. Tank 241-BY-107 is equipped to cascade to Tank 241-BY-108 and is first in the three-tank cascade series. The plan view and tank cross-section that depict the approximate waste level and riser configuration can be found in Appendix G. Tank 241-BY-107 has 17 risers and five are available for use (reference drawing H-2-73249 Rev. 2): two 12-in.

risers (no. 5 and no. 8) and three 18-in. risers (nos. 9B, 10A, and 12B).

2.7.2.1 Waste Layer Volume Approximation for Tank 241-BY-107

A comparative analysis of all layer approximations for the entire tank farm and the data used to derive the tank layer approximations are located in Appendix K.

2.7.2.2 In-Tank Photograph 241-BY-107

The picture of the Tank 241-BY-107 interiors made up from 1986 photographs shows a rough saltcake surface, which is light yellow in color (see Appendix I). There are depressions in the surface where equipment currently extends into the waste or where equipment has been removed. This tank contains approximately 266,000 gal of waste which measures about 7.5 ft deep. There have been no changes in the tank that would affect the waste since these photographs were taken; therefore, the picture should be representative of the current tank contents.

2.7.3 Synopsis Tank 241-BY-107

(To be completed)

2.8 Tank 241-BY-108

2.8.1 241-BY-108 Tank History

2.8.1.1 Waste History Tank 241-BY-108

The waste history narrative in the following paragraph is from "A History of the 200 Area Tank Farms" (Anderson 1990). Tank 241-BY-108 was filled with first-cycle waste from the Tank 241-BY-107 cascade from March 1951 until the second quarter of 1953. The tank received first-cycle waste until the first quarter of 1953. The tank received U Plant waste from the second quarter of 1953 until the first quarter of 1959. The tank became a ferrocyanide scavenged waste receiver in 1954. Various transfers out of the tank went to a ditch or a crib. From the second quarter of 1959 until the first quarter of 1968, the tank contained U Plant waste and coating waste. Between the second quarter of 1968 and the second quarter of 1973, the tank received evaporator bottoms waste. The evaporator bottoms waste was from the in-tank solidification process. The tank was declared an assumed leaker in 1972 with a leak volume greater than 5,000 gal. Presently, the tank waste is classified as non-complexed.

The waste history narrative of the primary additions that follow in this paragraph are from the "Waste Status and Transaction Record Summary" (Agnew 1994). Tank 241-BY-108 received in-plant ferrocyanide waste from the fourth quarter of 1954 until the first quarter of 1957. From the third quarter of 1972 until the fourth quarter of 1975, the tank received wastewater.

Saltwell pumping started in the first quarter of 1977. The tank was primary stabilized and the pump was removed in 1978. Partial isolation was completed in December 1982. A saltwell pump was installed in January 1984 and the tank was declared interim stabilized in February 1985. In-tank photographs were taken on the following dates: December 1968, October 1969, two in 1970, two in 1972, March 1974, October 1976, January 1980, April 1983, and October 1986. Sketch ES-TKS-E46, which shows a graphical representation of the Tank 241-BY-108 level history, and the historical waste level data used to make it are in Appendix C. The sketch shows thirteen pH readings: 9.0 in November 1954, 9.4 in February 1955, 9.1 in May 1955, 10.2 in October 1955, 9.7 in December 1955, 9.7 in February 1956, 9.6 in March 1956, 9.4 in May 1956, 9.7 in June 1956, 8.7 in August 1956, 9.1 in November 1956, 9.2 in January 1957, and 9.6 in April 1957. The current maximum temperature reading from October 1993 is 109° F.

2.8.1.2 Temperature History 241-BY-108

The single thermocouple tree in Tank 241-BY-108 has 13 thermocouple probes to monitor the waste temperature. Elevations are available for the thermocouple probes except for probes 11 through 13. Thermocouples 1 through 10 have similar temperature readings that span from 1974 to the present. Limited data are

available for thermocouples 11 through 13. Thermocouple 11 has 9 disjointed data points, thermocouple 12 has 8 disjointed data points, and thermocouple 13 has 2 data points. There is a gap in temperature readings from October 1983 until November 1989, although a thermocouple tree was in the tank in October 1986. Review of the Tank 241-BY-108 level history, indicates that from September 1974 to October 1982, thermocouples 1 through 6 were in or near the solids level and thermocouples 7 through 13 were in the vapor space. Thereafter thermocouples 1 through 4 were in or near the solids level and the rest were in the vapor space.

The mean temperature for the first daily recorded readings was 42°F. A sum of the squares regression line fit for the first 10 thermocouples shows no overall temperature change and a moderate amount of variability. From June to July 1975, a 70°F temperature increase is common to the thermocouples. Variable temperatures are apparent from the data for September 1974 to October 1983. Sporadic data for thermocouples 11 through 13 render a regression and variability analysis invalid. The median temperature is 84°F with a minimum of 50°F and a maximum of 154°F. Tank 241-BY-108 is on the Ferrocyanide Watch List and weekly temperature readings are required.

Plots of the thermocouple readings for Tank 241-BY-108 are in Appendix D.

2.8.1.3 Integrity of Tank 241-BY-108

Tank 241-BY-108 is categorized as an assumed leaker and is interim stabilized with intrusion prevention completed. The Tank 241-BY-108 surface level is monitored quarterly with a manual tape through riser 4. Liquid waste volume is determined by a photographic evaluation and a manual tape surface level gauge. Solid waste volume is determined by a manual tape surface level gauge. The maximum allowable increase from the 88.25-in. baseline is 3 in. There is no criterion for a decrease. The figure that graphically represents the surface level measurements from January 1991 to the present is in Appendix E. The surface level for the past 3 years has remained steady and the readings range between 88.5 and 86 in.

An occurrence report was issued in January 1980 due to a 2,600-gal liquid intrusion caused by rapid snowmelt into the tank through the pits.

Tank 241-BY-108 does not have a liquid observation well. Six drywells are identified for Tank 241-BY-108. Drywells 22-08-01 (active prior to 1990, current readings < 200 c/s), 22-08-02 (active prior to 1990, current readings > 200 c/s), 22-08-05 (active prior to 1990, current readings < 200 c/s), 22-08-06 (active prior to 1990, current readings < 200 c/s), and 22-08-12 (active prior to 1990, current readings < 200 c/s) have readings greater than the 50 c/s background radiation.

Graphical representations of the drywell data for each active drywell from January 1990 to the present are in Appendix F. Each graph includes the peak c/s (some wells have multiple peaks), the depth at which the peak occurred, and the date of the reading.

2.8.1.4 Historical Sample Analysis Data for Tank 241-BY-108

No data are available or applicable.

2.8.2 Current Status of Tank 241-BY-108

Tank 241-BY-108 entered service in April 1951 and currently stores 228,000 gal of waste. The waste is comprised of 63,000 gal of saltcake and 165,000 gal of sludge with no supernatant or pumpable liquid remaining. The tank is identified on the Ferrocyanide Watch List, is passively ventilated, and is categorized as an assumed leaker with interim stabilization and intrusion prevention completed. Tank 241-BY-108 is equipped to cascade to Tank 241-BY-109 and is second in the three-tank cascade series. The plan view and tank cross-section that depict the approximate waste level and riser configuration are in Appendix G. Tank 241-BY-108 has 17 risers and five are available for use: three 4-in. risers (nos. 1, 2, and 5) and two 12-in. risers (nos. 9B and 12A).

2.8.2.1 Waste Layer Volume Approximation for Tank 241-BY-108

A comparative analysis of all layer approximations for the entire tank farm and the data used to derive the tank layer approximations are located in Appendix K.

2.8.2.2 In-Tank Photograph 241-BY-108

The 1986 photographic montage of the Tank 241-BY-108 interior shows a white to light rose solid waste surface (see Appendix I). At the top center of the photo an air lift circulator, a temperature probe, and a manual tape are all clustered within a depression filled with liquid. The waste measures approximately 6.5 ft deep. There have been no changes in the tank that would affect the waste since these photographs were taken; therefore, the picture should be representative of the current tank contents.

2.8.3 Synopsis Tank 241-BY-108

(To be completed)

2.9 Tank 241-BY-109

2.9.1 241-BY-109 Tank History

2.9.1.1 Waste History Tank 241-BY-109

The waste history narrative in the following paragraph is from "A History of the 200 Area Tank Farms" (Anderson 1990). Tank 241-BY-109 began operation on January 8, 1953 by receiving tributyl phosphate wastes from Tank 241-B-103. From the second quarter of 1953 through the second quarter of 1955, the tank received metal waste transfers from Tanks 241-BY-101, -108, and -112. Wastes were also transferred to Tank 241-C-104 at that time. A small transfer was returned from Tank 241-C-104 in the first quarter of 1955. Tributyl phosphate waste was transferred from Tank 241-BY-107 during the second quarter of 1956. In the second quarter of 1957, 677,000 gal of waste were sent off to the BC-16 ditch. From the first quarter of 1961 to the second quarter of 1965, level measurements were taken every six months. Coating waste from Tanks 241-C-107 and -109 was transferred into Tank 241-BY-109 during the first half of 1962. More coating waste was added to the tank from a transfer between Tank 241-BY-112 and Tank 241-BY-101 during the first half of 1965. About 500,000 gal of waste were transferred to Tank 241-BY-103 in the third quarter of 1966. From the fourth quarter of 1966 until the second quarter of 1967, Tank 241-BY-109 received more coating waste from Tank 241-C-102. Some waste was transferred to Tank 241-BY-103 and about the same volume was received from Tanks 241-BY-105 and -108. The tank was an in-tank solidification unit no.2 feed tank from the second half of 1968 through the second quarter of 1976. During the feed tank period, the tank received cladding waste, organic wash waste, and large volumes of evaporator bottoms waste. The tank then received concentrated feed and a saltwell was installed. In 1978, the waste was categorized as non-complexed.

The waste history narrative of the primary additions that follow in this paragraph are from the "Waste Status and Transaction Record Summary" (Agnew 1994). Tank 241-BY-109 received wastewater from the third quarter of 1971 until the third quarter of 1975.

The tank was deactivated on August 9, 1979 and a solids level adjustment was made. Another solids level adjustment was made in 1984 and the tank was partially interim isolated in June 1985. The liquid was jet pumped on June 16, 1991 and a solids level adjustment was made. The draw-down from pumping is noticeable in the liquids, solids, and liquid observation well waste levels. In-tank photographs were taken on the following dates: October 1973, February 1977, February 1979, April 1983, and October 1986. Sketch ES-TKS-E47, which shows a graphical representation of the Tank 241-BY-109 level history, and the historical waste level data used to make it are in Appendix C. Two pH readings are listed on the sketch: 13.2 in November 1990 and 13.4 in June 1991. Currently, temperature readings are unavailable due to out of service thermocouples.

2.9.1.2 Temperature History 241-BY-109

The single thermocouple tree in Tank 241-BY-109 had 12 thermocouple probes to monitor the waste temperature. No thermocouple tree is currently available according to the riser configuration document. Limited data are available on all the thermocouples. All the thermocouples except 1 and 9 have similar temperature readings that span from 1976 to 1978. Thermocouple 1 has three additional data points taken in 1991 and thermocouple 9 has one data point.

The mean temperature for the first data recorded was 98°F. A sum of the squares regression line fit for thermocouples 1 through 8 and 10 through 12 over the short time period shows a temperature decrease with a moderate amount of variability. Thermocouples 1 through 4 and 6 all have a sharp temperature decrease of approximately 65°F between June 1976 and March 1977. A regression analysis on thermocouple 9 would prove inconclusive due to lack of data. The median temperature is 66°F with a minimum of 51°F and a maximum of 138°F. Tank 241-BY-109 currently has no thermocouple tree within the tank. No further temperature readings have been taken since December 1991, although temperatures should be monitored semiannually in January and July.

Plots of the thermocouple readings for Tank 241-BY-109 are in Appendix D.

2.9.1.3 Integrity of Tank 241-BY-109

Tank 241-BY-109 is partially interim isolated and is considered a sound tank awaiting interim stabilization. Tank 241-BY-109 is categorized as sound and is partially isolated. The 241-BY-109 Tank surface level is monitored daily with a Food Instrument Corporation gauge through riser 4. Liquid volumes are determined with a Food Instrument Corporation Gauge and the solids volume is determined by a photo evaluation and a sludge level measurement device. The Food Instrument Corporation gauge went out of service on July 17, 1993 and now weekly manual readings are required. If the Food Instrument Corporation gauge fails, manual field measurements will be conducted daily. The maximum allowable deviations from the 140.3-in. baseline are a 2-in. increase and a 2-in. decrease. The figure that graphically represents the surface level measurements from January 1991 to the present is in Appendix E. The waste level drops in the middle of 1991 which corresponds with the saltwell pumping efforts that began in June 1991. Since the conclusion of the saltwell pumping, the surface level has remained steady with the readings ranging between 140.8 and 137.1 in. The graph showes erratic data points during the second, third, and fourth quarters of 1993. The erratic data were attributed to a mechanical malfunction in the automatic operation of the Food Instrument Corporation gauge. When the unexpected readings were observed, the liquid observation well data and drywell data were checked to confirm the integrity of the tank.

The Tank 241-BY-109 liquid observation well is located in riser 12B. The tank is monitored weekly with a neutron probe and on request with a gamma probe to determine the interstitial liquid levels. The maximum deviation from the established baseline is a 0.3-ft increase or a 0.4-ft decrease. Sketch ES-TKS-E47 in Appendix C contains a graphical representation of the liquid observation well data.

Six drywells are identified for Tank 241-BY-109. Drywells 22-09-02 (active prior to 1990, current readings < 200 c/s), 22-09-05 (active prior to 1990), 22-09-07 (active prior to 1990), 22-09-08 (active prior to 1990, current readings > 200 c/s), and 22-09-11 (active prior to 1990, current readings < 200 c/s) had or have readings greater than the 50 c/s background radiation.

An off-normal occurrence 10-day report was written on July 3, 1991. Drywells around Tank 241-BY-103 and -108 showed an increase in radiation levels while waste was being transferred from Tanks 241-BY-102 and -109 to the double-contained receiver, Tank 244-BX. It was determined that the drywells were detecting the waste in the transfer lines. Flushing the transfer lines verified that the lines were not leaking because radiation levels decreased.

Graphical representations of the data for each active drywell from January 1990 to the present are in Appendix F. Each graph includes the peak c/s (some wells have multiple peaks), the depth at which the peak occurred, and the date of the reading.

2.9.1.4 Historical Sample Analysis Data for Tank 241-BY-109

A large number of samples were analyzed in 1972 and 1973 where supernatant samples were boiled and then cooled to increase solids content. All of the analyses included an estimate of cesium content and in a few cases the concentration of other radionuclides was also included in the data obtained. Tables presenting the data from these analyses are in Appendix H.

2.9.2 Current Status of Tank 241-BY-109

Tank 241-BY-109 entered service in 1950 and currently stores 423,000 gal of non-complexed waste. The waste is comprised of 387,000 gal of saltcake; 36,000 gal of unknown waste; and no supernatant with 57,000 gal of pumpable interstitial liquid remaining. The tank is identified as a low-heat load tank, is passively ventilated, and is categorized as sound with partial isolation completed. Tank 241-BY-109 is third in the three-tank cascade series. The plan view and cross-section that depict the approximate waste level and riser configuration are in Appendix G. Tank 241-BY-109 has 19 risers and three 12-in. risers (nos. 9A, 10B, and 12C) are available for use.

2.9.2.1 Waste Layer Volume Approximation for Tank 241-BY-109

A comparative analysis of all layer approximations for the entire tank farm and the data used to derive the tank layer approximations are located in Appendix K.

2.9.2.2 In-Tank Photograph 241-BY-109

The 1986 photographic montage of the Tank 241-BY-109 interior indicates a gold or blue liquid surface (difficult to determine source of coloration) over a submerged solids layer (see Appendix I). The liquid is clear enough to see the solids below the surface. The only equipment item in the tank is a saltwell screen. The waste measures approximately 12.5 ft deep. The tank was saltwell pumped in June 1991; therefore, the picture does not represent the current tank contents.

2.9.3 Synopsis Tank 241-BY-109

(To be completed)

2.10 Tank 241-BY-110

2.10.1 241-BY-110 Tank History

2.10.1.1 Waste History Tank 241-BY-110

The waste history narrative in the following paragraph is from "A History of the 200 Area Tank Farms" (Anderson 1990). Tank 241-BY-110 began filling in the fourth quarter of 1951 with first-cycle waste. The tank contained first-cycle supernatant until the third quarter of 1954 when it was pumped to a ditch. The tank then received U Plant waste until the third quarter of 1957. The tank was used as a ferrocyanide scavenged waste settling tank. Various transfers of waste were made to either a ditch or a trench. The tank received U-Plant waste and coating waste from the fourth quarter of 1957 until the third quarter of 1958. In the last quarter of 1968 and the first two quarters of 1969, the tank contained coating waste. From the second quarter of 1969 until the second quarter of 1976, the tank was used for storage of evaporator bottoms waste. The evaporator bottoms waste was from the in-tank solidification process. The tank contained concentrated evaporator feed bottoms waste from the third quarter of 1976 until the fourth quarter of 1977. Presently, the tank waste is classified as non-complexed.

The waste history narrative of the primary additions that follow in this paragraph are from the "Waste Status and Transaction Record Summary" (Agnew 1994). Tank 241-BY-110 received first-cycle waste from the fourth quarter of 1951 until the third quarter of 1952. During the third and fourth quarters of 1952, the tank received decontamination waste. From the fourth quarter of 1954 until the second quarter of 1957, the tank received in-plant ferrocyanide waste. During the fourth quarter of 1957, the tank received wastewater.

A saltwell was installed in 1977 and the tank was declared inactive in 1979. A level adjustment was made in September 1979. Saltwell pumping began in May 1983 and was completed in December 1984. Interim stabilization was completed in January 1985. Liquid observation well data are plotted that represent the interstitial liquid level. Prior to 1986, an engineering judgement was made based on pumping in 1983 and completion of pumping in 1984. In-tank photographs were taken on the following dates: two in 1969, two in 1970, June 1971, March 1974, July 1975, April 1976, several in 1977, two in 1979, April 1983, and July 1984. Sketch ES-TKS-E48, which shows a graphical representation of the Tank 241-BY-110 level history, and the historical waste level data used to make it are in Appendix C. The sketch shows fifteen pH readings: 9.8 in October 1954, 9.1 in January 1955, 9.5 in April 1955, 9.2 in July 1955, 9.3 in September 1955, 9.8 in November 1955, 9.2 in January 1956, 9.6 in February 1956, 10.0 in April 1956, 9.8 in June 1956, 9.3 in August 1956, 9.4 in November 1956, 9.8 in January 1957, 11.9 in June 1957, and >14.0 in June 1976. The current maximum

temperature readings from October 1993 are 118°F and 106°F for thermocouples in risers 1 and 10A respectively.

2.10.1.2 Temperature History 241-BY-110

Tank 241-BY-110 has 2 thermocouple trees to monitor the waste temperature: one has 14 thermocouple probes, and the other has 6 thermocouple probes. Elevations are available on both trees for thermocouples 1 through 6. Thermocouples 1 through 6 on tree 1 have similar temperature readings that span from 1974 to the present. Similar temperature readings are apparent for thermocouples 7 through 14 that span from 1974 to 1979. Tree 2 thermocouple readings are similar to the first 6 thermocouples on tree 1, but only span from 1992 to the present.

Review of the Tank 241-BY-110 level history for thermocouple tree 1 indicates that from September 1974 to April 1985, probes 1 through 5 were located in or near the solids/liquid level and thermocouples 6 through 14 appear to have beeen in the vapor space. After April 1985, thermocouples 1 through 4 were in or near the solids/liquid level, thermocouple 5 was in or near the solids level, and the rest were in the vapor space. For tree 2, thermocouple probes 1 to 4 were in or near the solids/liquid level, thermocouple 5 was in or near the solids level, and thermocouple 6 appears to have been in the vapor space.

The mean temperature of the first daily recorded data was 45°F for tree 1 and 96°F for tree 2. A sum of the squares regression line fit of the thermocouples on tree 1 shows a temperature decrease with a moderate amount of variability. A sharp increase in temperature of up to 95°F is apparent for the tree between May and June 1975. The temperature decreases from the bottom to the top of the tank for a maximum difference in temperature between thermocouples 1 and 14 of 55°F. The median temperature is 111.8°F with a minimum of 48°F and a maximum of 204.8°F. Currently, the tank is connected to an operating exhauster. Tank 241-BY-110 is a Ferrocyanide Watch List tank and has a weekly tempurature moitoring requirement which resulted in more readings after October 1989.

Plots of the thermocouple readings for Tank 241-BY-110 are in Appendix D.

2.10.1.3 Integrity of Tank 241-BY-110

Tank 241-BY-110 is categorized as sound and is interim stabilized with intrusion prevention completed. The Tank 241-BY-110 surface level is monitored quarterly with a manual tape through riser 4. Liquid waste volume is determined by a manual tape surface level gauge, and solid waste volume is determined by a sludge level measurement device. The maximum allowable increase from the 151.75-in. baseline is 3 in. There is no criterion for a decrease. The figure that graphically represents the surface level measurements from January 1991 to the present is in Appendix E.

The surface level plot indicates that most of the readings are between 90 to 100 in. with four readings near the baseline value. These low readings do not exceed the decrease criteria and are attributed to the uneven surface of the saltcake.

The Tank 241-BY-110 liquid observation well is located in riser 3. The tank is monitored weekly with a neutron probe and on request basis with a gamma probe to determine the interstitial liquid levels. The maximum deviation from the established baseline value is a 0.3-ft increase or a 0.4-ft decrease. Sketch ES-TKS-E48 in Appendix C has a graphical representation of the liquid observation well data.

Four drywells are identified for Tank 241-BY-110. None of these have or had readings greater than the 50 c/s background radiation.

2.10.1.4 Historical Sample Analysis Data for Tank 241-BY-110

No data are available or applicable.

2.10.2 Current Status of Tank 241-BY-110

Tank 241-BY-110 entered service in 1951 and currently stores 398,000 gal of waste. The waste is comprised of 208,000 gal of saltcake and 190,000 gal of sludge with no supernatant or pumpable liquid remaining. The tank was identified on the Ferrocyanide Watch List in January 1991, is passively ventilated, and is categorized as sound with interim stabilization and intrusion prevention completed. Tank 241-BY-110 is equipped to cascade to Tank 241-BY-111 and is first in the three-tank cascade series. The plan view and cross-section that depict the approximate waste level and riser configuration are in Appendix G. Tank 241-BY-110 has 16 risers and one 18-in. riser (no. 10B) is available for use.

2.10.2.1 Waste Layer Volume Approximation for Tank 241-BY-110

A comparative analysis of all layer approximations for the entire tank farm and the data used to derive the tank layer approximations are located in Appendix K.

2.10.2.2 In-Tank Photograph 241-BY-110

The 1984 photographic montage of the Tank 241-BY-110 interior indicates white chunks of waste distributed throughout a green matrix (see Appendix I). However, the entire tank is green; therefore, the colors are not true. There is no liquid visible anywhere on the waste surface. The saltwell screen, liquid observation well, and temperature probe appear to be totally imbedded in the salt cake. The tank contains approximately 398,000 gal of waste which measures about 12 ft in depth. Tank 241-BY-110 was jet pumped and interim stabilized in 1985; therefore, the picture may not represent the current tank interior.

2.10.3 Synopsis Tank 241-BY-110

(To be completed)

2.11 Tank 241-BY-111

2.11.1 241-BY-111 Tank History

2.11.1.1 Waste History Tank 241-BY-111

The waste history narrative in the following paragraph is from "A History of the 200 Area Tank Farms" (Anderson 1990). Tank 241-BY-111 began filling with metal waste in the fourth quarter of 1951. The tank received metal waste, U plant waste, and high uranium TBP waste until the first quarter of 1955. The tank cascaded during 1952 and was sluiced in the first quarter of 1955. During the last three quarters of 1955 and the first quarter of 1957, the tank contained U Plant waste. From the second quarter of 1957 until the second quarter of 1965, the tank contained organic wash waste and coating waste. From the third quarter of 1965 until the first quarter of 1968, the tank contained coating waste. In the second quarter of 1968 until the second quarter of 1976, the tank stored evaporator bottoms waste from the in-tank solidification process. From the third quarter of 1976 until the fourth quarter of 1977, the tank contained evaporator feed. Presently, the waste is classified as non-complexed.

The waste history narrative of the primary additions that follow in this paragraph are from the "Waste Status and Transaction Record Summary" (Agnew 1994). Tank 241-BY-111 received metal waste during the fourth quarter of 1951 and the first quarter of 1952. During the fourth quarter of 1952 the tank received uranium recovery waste. During the fourth quarter of 1967, the tank received PUREX cladding waste.

The tank was inactive in 1977 and was described as containing salt. A pump was installed in 1975 and the pumping was finished in 1978. Level adjustments were made in June 1980 and April 1982. After a saltwell pump was installed in September 1983 and the tank was pumped, Tank 241-BY-111 was declared interim stabilized in January 1985. Liquid observation well data were plotted that represent the interstitial liquid level. Prior to 1986, an engineering judgement was made based on the saltwell pumping in 1983 and pumping was completed in 1985. In-tank photographs were taken on the following dates: December 1968, October 1969, March 1971, October 1973, November 1975, several in 1977, February 1978, February 1981, and October 1986. Sketch ES-TKS-E49, which shows a graphical representation of the Tank 241-BY-111 level history, and the historical waste level data used to make it are in Appendix C. The sketch shows one pH reading of 9.6 in June 1956. The current maximum temperature reading from October 1993 is 84° F.

2.11.1.2 Temperature History 241-BY-111

Tank 241-BY-111 has 2 thermocouple trees to monitor the waste temperature: tree 1 has one thermocouple probe and tree 2 has six thermocouple probes. Thermocouple elevations are not available. Temperature readings for thermocouple tree 1 span from November

1989 to the present. The thermocouples on tree 2 have similar readings that span from March 1993 to the present.

The first recorded temperature was 82°F for thermocouple tree 1 and 70°F for tree 2. A sum of the squares regression line fit for all the data shows a slight temperature increase with a small amount of variability. The median temperature is 82°F with a minimum of 61°F and a maximum of 92°F. Tank 241-BY-111 is a Ferrocyanide Watch List tank and has weekly temperature monitoring requirements.

Plots of the thermocouple readings for Tank 241-BY-111 are in Appendix D.

2.11.1.3 Integrity of Tank 241-BY-111

Tank 241-BY-111 is categorized as sound and is interim stabilized with intrusion prevention completed. The Tank 241-BY-111 surface level is monitored quarterly with a manual tape through riser 15. Liquid waste volume is determined by a photographic evaluation and solid waste volume is determined by a manual tape surface level gauge. The maximum allowable increase from the 164.25-in. baseline is 3 in. There is no criterion for a decrease. The following figure graphically represents the surface level measurements from January 1991 to the present. The surface level for the past 3 years has remained steady and the readings range from 163.75 to 162.75 in.

The Tank 241-BY-111 liquid observation well is located in riser 1. The tank is monitored weekly with a neutron probe and on request with a gamma probe to determine the interstitial liquid levels. The maximum deviation from the established baseline is a 0.3-ft increase or a 0.4-ft decrease. Sketch ES-TKS-E49 in Appendix C has a graphical representation of the liquid observation well data.

Four drywells are identified for Tank 241-BY-111. Drywells 22-11-01 (active prior to 1990, current readings > 200 c/s) and 22-11-09 (active prior to 1990, current readings < 200 c/s) have readings greater than the 50 c/s background radiation.

Graphical representations of the drywell data for each active drywell from January 1990 to the present are in Appendix F. Each graph includes the peak c/s, the depth at which the peak occurred, and the date of the reading.

2.11.1.4 Historical Sample Analysis Data for Tank 241-BY-111

No data are available or applicable.

2.11.2 Current Status of Tank 241-BY-111

Tank 241-BY-111 entered service in 1951 and currently stores 459,000 gal of waste. The waste is comprised of 433,000 gal of

saltcake and 26,000 gal of sludge with no supernatant or pumpable liquid remaining. The tank is on the Ferrocyanide Watch List, is passively ventilated, and is categorized as sound with interim stabilization and intrusion prevention completed. Tank 241-BY-111 is equipped to cascade to Tank 241-BY-112 and is second in the three-tank cascade series. The plan view and cross-section that depict the approximate waste level and riser configuration are in Appendix G. Tank 241-BY-111 has 19 risers and four are available for use: two 4-in. risers (no. 5 and no. 10A), one 42-in. riser (no. 12), and one 12-in. riser (no. 12A).

2.11.2.1 Waste Layer Volume Approximation for Tank 241-BY-111

A comparative analysis of all layer approximations for the entire tank farm and the data used to derive the tank layer approximations are located in Appendix K.

2.11.2.2 In-Tank Photograph 241-BY-111

The 1986 photographic montage of the Tank 241-BY-111 interior indicates a white to medium-grey uneven saltcake surface (see Appendix I). Several old discarded level measurement tapes are lying on the waste surface. The air lift circulators are encrusted with solids. The tank contains 459,000 gal of waste which measures about 13.5 ft deep. There have been no changes in the tank which would affect the waste since these photographs were taken; therefore, the picture should be representative of the current tank contents.

2.11.3 Synopsis Tank 241-BY-111

(To be completed)

2.12 Tank 241-BY-112

2.12.1 241-BY-112 Tank History

2.12.1.1 Waste History Tank 241-BY-112

The waste history narrative in the following paragraph is from "A History of the 200 Area Tank Farms" (Anderson 1990). Tank 241-BY-112 was initially filled with metal waste in the second quarter of 1951. The tank received metal waste, high uranium waste from U Plant, and strontium semiworks until the second quarter of 1955. The tank received cascade overflow from Tank 241-BY-111 during 1952. The tank was sluiced for uranium recovery in the second quarter of 1955. From the second quarter of 1956 until the second quarter of 1957, the tank received U Plant waste. In the second quarter of 1957, the waste was sent to a ditch. U Plant waste and coating waste were received and/or stored from the third quarter of 1957 until the second quarter of 1965. The tank began to receive coating waste from the second quarter of 1965 until the first quarter of 1968. Evaporator bottoms waste was sent to the tank from the second quarter of 1968 until the first quarter of 1976. The evaporator bottoms waste was from the in-tank solidification process. Presently the tank waste is classified as non-complexed.

The waste history narrative of the primary additions that follow in this paragraph are from the "Waste Status and Transaction Record Summary" (Agnew 1994). Tank 241-BY-112 received metal waste from the second quarter of 1951 until the third quarter of 1952. During the third and fourth quarters of 1952, the tank received decontamination waste. During the second quarter of 1957, the tank received in-plant ferrocyanide waste and uranium recovery waste. During the fourth quarter of 1967, the tank received PUREX cladding waste. The tank received wastewater during the second quarter of 1971.

The tank was removed from service and saltwell pumping was completed in 1976. Primary stabilization was completed in 1978 and the pump was removed in 1979. A level adjustment was made in April 1982. After saltwell pumping was completed, the tank was declared interim stabilized in June 1984. Liquid observation well data were plotted that represent the interstitial liquid level. Prior to 1986, an engineering judgement was made based on pumping started in September 1983 and completed in June 1984. In-tank photographs were taken on the following dates: two in 1966, one in 1968, October 1969, two in 1971, February 1975, several in 1976, January 1980, December 1982, October 1983, July 1984, and April 1988. Sketch ES-TKS-E50, which shows a graphical representation of the Tank 241-BY-112 level history, and the historical waste level data used to make it are in Appendix C. The sketch shows two pH readings: >14.0 in January 1972 and >14.0 in June 1976. The current maximum temperature reading from October 1993 is 90°F.

2.12.1.2 Temperature History 241-BY-112

Tank 241-BY-112 has two thermocouple trees to monitor the waste temperature: tree 1 has one thermocouple probe and tree 2 has six thermocouple probes. Thermocouple elevations are not available. Thermocouple tree 1 has readings that span from November 1989 to the present. Thermocouples tree 2 readings span from April 1993 to the present.

The first recorded temperature was 76.5°F for thermocouple tree 1 and 82°F for thermocouple tree 2. A sum of the squares regression line fit for all the data shows a slight increase in temperature with a small amount of variability. The median temperature is 82°F with a minimum of 63°F and a maximum of 90°F. Tank 241-BY-112 is a Ferrocyanide Watch List tank and temperature readings and are required weekly.

Plots of the thermocouple readings for Tank 241-BY-112 are in Appendix D.

2.12.1.3 Integrity of Tank 241-BY-112

Tank 241-BY-112 is categorized as sound and is interim stabilized with intrusion prevention completed. The Tank 241-BY-112 surface level is monitored quarterly with a manual tape through riser 19. Liquid waste volume is determined by a photographic evaluation, and solid waste volume is determined by a manual tape surface level gauge. The maximum allowable increase from the 113.25-in. baseline is 3 in. There is no criterion for a decrease. The figure that graphically represents the surface level measurements from January 1991 to the present is in Appendix E. The surface level for the past three years has remained steady with the readings ranging between 114.25 and 112.75 in.

The Tank 241-BY-112 liquid observation well is located in riser 15. The tank is monitored weekly with a neutron probe and on request with a gamma probe. Currently, the liquid observation well moitoring is out of compliance with documentation. The monitoring limits are a 0.3-ft decrease and a 0.4-ft increase. Sketch ES-TKS-E49 in Appendix C has a graphical representation of the liquid observation well data.

Seven drywells are identified for Tank 241-BY-112. None of the drywells have or had readings greater than the 50 c/s background radiation.

2.12.1.4 Historical Sample Analysis Data for Tank 241-BY-112

The results of two analyses conducted in May 1971 and April 1972 for Tank 241-BY-112 are included in this report. The first analysis was for a series of solubility tests; however, a chemical analysis was also performed on sludge, crust, and supernatant samples. The second analysis of top solid, liquid, and bottom solid samples indicates that both the light and heavy solids were

primarily $NaNo_3$. Tables presenting the results of the two analyses discussed above are in Appendix H.

2.12.2 Current Status of Tank 241-BY-112

Tank 241-BY-112 entered service in 1951 and currently stores 291,000 gal of waste. The waste is comprised of 274,000 gal of saltcake and 17,000 gal of sludge with no supernatant or pumpable liquid remaining. The tank is on the Ferrocyanide Watch List as of January 1991, is passively ventilated, and is categorized as sound with interim stabilization and intrusion prevention completed. Tank 241-BY-112 is third in the three-tank cascade series. The plan view and cross-section that depict the approximate waste level and riser configuration are in Appendix G. Tank 241-BY-112 has 21 risers and five are available for use: three 4-in. risers (nos. 2, 20, and 5), one 12-in. riser (no. 10A), and one 6-in. riser (no. 18).

2.12.2.1 Waste Layer Volume Approximation for The Tank 241-BY-112

A comparative analysis of all layer approximations for the entire tank farm and the data used to derive the tank layer approximations are located in Appendix K.

2.12.2.2 In-Tank Photograph 241-BY-112

The 1988 photographic montage of the Tank 241-BY-112 indicates a white to grey (with tinges of yellow) saltcake surface which appears to be clinging several feet up the sides of the tank (see Appendix I). All of the supernatant has been removed leaving 291,000 gallons of waste which measures approximately 8.5 ft deep. The temperature probe, liquid observation well, Food Instrument Corporation level probe, the center bottom saltwell screen and the In-Tank Solidification Unit 2, air heater circulator appear to be embedded in saltcake. There have been no changes in the tank which would affect the waste since these photographs were taken; therefore, the picture should be representative of the current tank contents.

2.12.3 Synopsis Tank 241-BY-112

(To be completed)

GLOSSARY

0.17	Transaction flag key-monthly volumes derived from semiannual reports.
0.33	Transaction flag key-monthly volumes derived from quarterly reports.
1	Monthly report.
1AYIN	See Waste Abbreviations.
1AZIN	See Waste Abbreviations.
1C	See Waste Abbreviations.
1CEB	See Waste Abbreviations.
1CS	See Waste Abbreviations.
1st Generation Tank	The original tank design encompassing Tank Farms B, C, T, U (excluding the 200 series tanks), and BX. These tanks have an operating capacity of 530,000 gal, a 75-ft diameter, a 12-in. dish bottom, and a 4-ft knuckle. Also see Type II tanks.
222-B	See Facilities.
222-C	See Facilities.
222-T	See Facilities.
222-U	See Facilities.
224	See Waste Abbreviations.
224-F	See Waste Abbreviations.
231Z	See Waste Abbreviations.
242-A	See Facilities.
242-B	See Facilities.

242-S	See Facilities.
242-T	See Facilities.
2AYIN	See Waste Abbreviations.
2AZIN	See Waste Abbreviations.
2C	See Waste Abbreviations.
2nd Generation Tank	Same as original tank design (1st generation, or type II) except the operating capacity was increased to 758,000 gal. Also see Type III tanks.
2SYIN	See Waste Abbreviations.
3	Quarterly report.
3AWIN	See Waste Abbreviations.
3rd Generation Tank	The first generation of the type IV tanks, contains the SX Tank Farm only. These tanks have a 1,000,000 gal operating capacity, a 75-ft diameter, a 14.875-in. dish bottom, and no knuckle. Also see Type IV tanks.
4th Generation Tank	The second generation of the type IV tanks, contains the A Tank Farm only. These tanks are the same as the 3rd generation except they have a flat bottom. Also see Type IV tanks.
5	See Waste Abbreviations.
5-6#	Cells 5 and 6 from B-Plant.
5AWIN	See Waste Abbreviations.
5th Generation Tank	The third generation of the type IV tanks, contains the AX Tank Farm only. These tanks are the same as the 4th generation with the addition of grid drain slots beneath the steel liner bottom.
6	Semiannual report.

6AWIN	See Waste Abbreviations.
A Plant (PUREX)	See Facilities.
A1 SLTCK	See LANL Defined Waste List.
A2 SLTSLRY	See LANL Defined Waste List.
Active Tank	A tank that contains more than 33,000 gal of waste and/or is still involved in waste management operations.
Active Drywell	Drywell in which radiation readings of greater than 50 counts/second are detected. To be considered active, the readings must be consistent as to depth and radiation level for repeated readings.
ADD	Add primary waste from process.
ADJ	Adjustment to waste amount-see CORR.
AGE, AGING	Waste Abbreviation.
Aging Waste	High-level, first-cycle solvent extraction waste from the PUREX Plant (NCAW).
Airlift Circulator	The airlift circulators are installed in tanks used to age wastes. The circulators promote mixing of the supernate and prevent agglomeration of radionuclides. By maintaining motion within the body of liquid, the circulators minimize superheat buildup and, consequently, minimize bumping.
Annulus	A vessel space in the form of a ring; the space between concentric walls.
AR Vault	A structure containing tanks and chemical processing equipment that is used for waste processing or storage operations.
AR	See LANL Defined Waste List.

Assumed Leaker	A waste storage tank for which surveillance data, in the past, has indicated a loss of liquid attributed to a breach of integrity.
Assumed Re-leaker	A designation that exists after a tank has been declared an "assumed leaker" and then the surveillance data indicate a new loss of liquid attributed to a breach of integrity.
Assumed Leaking Tank	In 1984, the criteria designations of "suspect leaker," "questionable integrity," "confirmed leaker," "declared leaker," "borderline," and "dormant" were merged into one category now reported as "assumed leaker."
B SLTCK	See LANL Defined Waste List.
B	See Waste Abbreviations.
B Plant (222-B)	See Facilities.
B860N	See Waste Abbreviations.
Background Radiation	Radioactivity from naturally occurring sources; primarily radiation from cosmogenic and naturally occurring radionuclides.
Baseline	A reference; for example, a specified liquid level or radiation level against which new information is compared.
BFSH	See Waste Abbreviations.
BL	See Waste Abbreviations.
BLEB	See Waste Abbreviations.
BLIX	See Waste Abbreviations.
BLIXB	See Waste Abbreviations.
BNW	Battelle Northwest Laboratory.
BNW	See Waste Abbreviations.

BPDCC	See Waste Abbreviations.
BPDCS	See Waste Abbreviations.
BPDCV	See Waste Abbreviations.
BPFPS	See Waste Abbreviations.
BPLCS	See Waste Abbreviations.
BPLDC	See Waste Abbreviations.
BPLDN	See Waste Abbreviations.
Bumping, Tank Bump	A tank bump occurs when solids overheat in the lower portion of the tank. The hot solids rapidly transfer heat to the liquid, some of which quickly vaporizes. The sudden pressurization caused by vapor generation is called a "bump".
BVCLN	See Waste Abbreviations.
BY SLTCK	See LANL Defined Waste List.
C Plant (222-C)	See Facilities.
C PLANT	See SSW.
Caisson	An underground structure used to store high-level waste; typical designs include corrugated metal or concrete cylinders, 55-gal drums welded end-to-end, and vertical steel pipes below grade.
Calcine	To heat a substance to a high temperature, but below its melting point, causing loss of volatile constituents such as moisture; refers also to the material produced by this process.
CARB	See Waste Abbreviations.
CAS	Cascade-see SET and END. This process filled three tanks with one pump using overflow siphoning. Normal use was with

	a sequence of tanks such as 101, 102, 103, or 110, 111, 112.
Cascade	Eleven of the single-shell tank farms (all except the AX Tank Farm) were equipped with overflow lines between tanks. The tanks were connected in series and were placed at different elevations creating a downhill gradient for liquids to flow from one tank to another.
CASS	Acronym for Computer Automated Surveillance System.
Catch Tanks	Small capacity single-shell tanks associated with diversion boxes and diverter stations. The tanks are designed to receive any transfer line cleanout, spills or leakage from the boxes, or leakage from the adjacent pipe encasement.
CAW	Current acid waste; this is PUREX acid HLW.
CC	See Waste Abbreviations.
CCGL	See Waste Abbreviations.
CCGR	See Waste Abbreviations.
CCPL	See Waste Abbreviations.
CCPLX	See Waste Abbreviations.
CCW	Concentrated customer waste.
CDF	Composition data file or transaction flag key-unit volume assumed to make stream active.
CE	See Waste Abbreviations.
CELL 23	Waste from cell 23 at B-Plant. Cell 23 contained an evaporator.
CEM	See Waste Abbreviations.

CF	See Waste Abbreviations.
CON	See Waste Abbreviations.
COND	Condensate-see EVAP, EB.
Condensate	Liquid formed from cooling vapors.
Conductivity Probe	A device that completes an electrical circuit when contacted by a conductive material.
Confirmed or Storage Declared Leaker	The designation of any underground waste tank where the data are considered sufficient to support a conclusion with 95 percent confidence that the tank has leaked.
COOL	Change in waste volume due to cooling. See CORR.
CORR	Correction to waste amount-see ADJ, LEAK, COOL.
CP	See Waste Abbreviations.
CPLX	See Waste Abbreviations.
CR Vault	Facility located adjacent to C Farm, used for scavenging campaign following uranium recovery. Ferrocyanide was added to tank supernatants in CR Vault and the slurry was returned to C-Farm.
Crib	A linear excavation approximately 15 ft in depth, with a perforated pipe in the bottom. The ditch is backfilled with broken rock or other loose material and then covered by soil and by a liquid impermeable membrane; the pipe is then used to distribute intermediate level liquid wastes along the crib.
Crust	A hard surface layer that has formed on top of the liquid in many waste tanks that contain concentrated solutions.
CSFD	See Waste Abbreviations.

CSR	See Waste Abbreviations.
CST	See Waste Abbreviations.
CSWLE	See Waste Abbreviations.
CSWLW	See Waste Abbreviations.
CTW	Caustic waste for makeup.
CW	See Waste Abbreviations
CWP	See Waste Abbreviations.
CWP/ZR	See Waste Abbreviations.
CWP2	See LANL Defined Waste List.
CWR	See Waste Abbreviations.
CX70	See Waste Abbreviations.
D	Transaction Flag Key-Amount by difference.
DBP	Dibutyl phosphate.
DC	See Waste Abbreviations.
DCS	Acroynm for dilute caustic solutions
DE	Acronym for diatomaceous earth that was added to Tanks 241-BX-102, -SX-113, -TX-106, and -U-104 from 1970 to 1972.
DE	See LANL Defined Waste List.
Deliquescent	A solid that is capable of absorbing moisture from the air and becoming a liquid.
Desiccant	A drying agent such as diatomaceous earth.
Diatomaceous Earth	Diatomite, a light friable siliceous material, derived chiefly from diatom (algae) remains that is added to selected underground waste storage tanks

	to absorb and, thereby, immobilize residual liquids (i.e help to stabilize the tank).
DBP	Dibutyl phosphate.
DIL	Dilution
DILFD	Dilute feed
Ditch	A linearly oriented excavation often used for the temporary diversion or disposal of process waste streams.
Diversion Box	A below grade concrete enclosure containing the remotely maintained jumpers and spare nozzles for the routing of waste solution to storage tank farms.
DN/PT	See Waste Abbreviations.
DN/PD	See Waste Abbreviations.
DN	See Waste Abbreviations.
Double-Shell Tank	The newer underground waste storage tanks consisting of a concrete shell and two concentric carbon steel liners with an annular space between the liners.
Double-Shell Slurry	Waste that exceeds the sodium aluminate saturation boundary in the evaporator without exceeding receiver tank composition limits. For reporting purposes, DSS is considered a solid.
Double-Shell Slurry Feed (DSSF)	Waste concentrated just before reaching the sodium aluminate saturation boundary in the evaporator without exceeding receiver tank composition limits. This form is not as concentrated as DSS.
Drywell	A steel casing, generally 6 inches in diameter drilled into the ground to various depths, and used to insert monitoring instruments for measuring the presence of radioactivity or moisture

	content.
Drywell (in-tank)	A sealed casing within a tank that is attached to a riser. It is used to insert experimental equipment, such as neutron or acoustical probes, to determine the level of drainable interstitial liquor.
DSS	See Waste Abbreviations.
DSSF	See Waste Abbreviations.
DUMM	See Waste Abbreviations.
DUMMY	See Waste Abbreviations.
DW	See Waste Abbreviations.
DWBIX	See Waste Abbreviations.
E	Transaction flag key-waste transferred through evaporator.
EB	See Waste Abbreviations.
EDTA	Ethylenediaminetetraacetic acid.
EF	See Waste Abbreviations.
EFD	See Waste Abbreviations.
END	Disconnect Cascaded Tanks, see CAS, Set.
Environs	Surrounding area, vicinity.
EV	Evaporation.
EVAP	See Waste Abbreviations.
EVAPF	See Waste Abbreviations.
Evaporator Feed	Any waste liquid that can be concentrated to form saltcake; e.g., low heat waste, dilute interstitial liquor, aged waste, and other radioactive waste solutions.

Evaporator-Crystallizer	242-A and 242-S waste concentration facilities that operate at a reduced pressure (vacuum) and are capable of producing a slurry containing about 30 volume percent solids at a specific gravity of greater than 1.6.
EVS	Partial neutralization in the 242-S Evaporator.
EVT	HEDTA destruction in the 242-B or 242-T Evaporators.
FD	See Waste Abbreviations.
FECN	Ferrocyanide wastes created during a scavenging campaign in 1953-57. See SCAV, POO, TOO.
Ferrocyanide	An ion composed of iron and cyanide with the chemical formula of $Fe(CN)^{-4}_{6}$.
FIC	A Food Instrument Corporation automatic liquid level gauge based on a conductivity probe. At Hanford, they are electrically connected to a computer for data transmission, analysis, and reporting. Local readings may also be obtained from a dial.
First- And Second-Cycle Decontamination Wastes	Waste contained 10 percent of the original fission product activity and 2 percent of the products. By-product cake solution was mixed with product waste and neutralized with 50 percent caustic. The waste contained a mixture of suspended solids, hydroxides, carbonate and phosphate, scavenger metals, chromium, iron, sodium, and silicofluoride.
FLSH	See Waste Abbreviations.
FP	Fission Product Waste. Waste produced at B Plant and Hot Semiworks in campaigns for Cs and Sr recovery during the 1960s. Cs was removed from PUREX supernatant and Sr was removed from

	PUREX sludge; both were removed from acidic waste.
FP	See Waste Abbreviations.
GA	Gain to tank.
Gamma Ray	Electromagnetic radiation sometimes emitted by the nuclei of radioactive substances during decay, similar in nature to X-rays.
GAS	Slurry growth as a result of gas generation.
GM Instrument	Instrument for detecting low-level beta and gamma radiation using a Geiger-Mueller tube.
GROUP	A group of tanks where ITS averaged the supernatant phases-see ITS.
Gunite	A building material consisting of a mixture of cement, sand, and water that is sprayed onto a mold.
H_2O	Water.
HDRL	See Waste Abbreviations.
HEAT	A tank correction, see CORR, COOL.
HEDTA	N hydroxy-ethylenediaminetriacetic acid.
Heel	The amount remaining in a vessel or container after most of the contents have been removed.
Hexone	Methyl isobutyl ketone, an organic solvent used in the REDOX solvent extraction process. Also known as Isobutyl methyl ketone, Methyl isobutyl ketone, 4-Methyl 2-pentanone, MIBK.
High-Level Waste	Waste from the fuel reprocessing operations in separations plants.
Historical Information	All information obtained from material

	referenced in published documentation and unpublished sources. Unpublished sources include electronically retrieved data (i.e. temperatures, liquid observation well, sampling, and surface level) and photographs.
HLO	See Waste Abbreviations.
HLO	Hanford Laboratory Operations.
HLW	See Waste Abbreviations.
HOT-SEMI	See HS, SSW.
HS	See Waste Abbreviations.
HS	Hot Semi-Works. A pilot facility that had a variety of operations. C Plant.
HWVP	Dilute, non-complexed waste from the vitrification plant.
I&S	Tank isolated and stabilized.
Inactive Tank	A tank that has been removed from liquid-processing service, has been pumped to less than 33,000 gal of waste, and is waiting to be, or is in the process of being, stabilized and interim isolated. Includes all tanks not in active or active-restricted categories. Otherwise inactive contingency spares that would be used if an active tank failed are also included.
INST	Change in tank level due to change in instrumentation.
Interim Isolated	An administrative designation reflecting the completion of the physical effort required to minimize the addition of liquids into an inactive storage tank, process vault, sump, catch tank, or diversion box.
Interim Stabilized	A tank which contains less than 50,000 gallons of drainable interstitial liquid

	and has less than 5,000 gallons of supernatant liquid. If the tank was jet pumped to achieve interim stabilization, then the jet pump flow must also have been at or below 0.05 gallons per minute before interim stabilization is completed.
Interstitial Liquor	The liquid that fills the interstices or the void volume in the solid material in a waste tank.
Interstitial	The volume within a solid matrix made up of the crevices, cracks, and void spaces.
Intrusion Mode FIC Setting	The FIC probe is positioned a short distance above the waste surface. If the surface level of the waste in the tank increases, thereby touching the probe tip, a positive indication is received.
Intrusion Prevention	This is an administrative designation reflecting the completion of the physical effort required to minimize the addition of liquid into an inactive storage tank, process vault, catch tank, sump, or diversion box.
ISO	Tank is interim-isolated.
ITS	The In-Tank Solidification Program was a program used to reduce waste volume directly by evaporating the wastes from inside certain tanks in the BX and BY Farms. The process used both hot air (ITS-1) and an electric heater (ITS-2).
IWW	See Waste Abbreviations.
IX	See Waste Abbreviations.
Jet Pump	A modified commercially available low capacity jet pump used as a salt well pump.
Knuckle	Point where the side wall and the bottom

	curved surface of a tank meet.
L222S	See Waste Abbreviations.
L3A4A	See Waste Abbreviations.
LaF	See Waste Abbreviations.
Lateral	Horizontal drywell under A Farm and certain SX Farm waste storage tanks.
Leak Detection Pit	Collection point for any leakage from AX Farm tanks. The pits are equipped with radiation and liquid detection instruments.
LEAK	Tank leak volume, see CORR.
LETF	Liquid effluent treatment facility from N-Reactor.
Level Adjustment	Any update in the waste inventory (or tank level) in a tank. The adjustments usually result from surveillance observations or historical investigations.
Level History	A diagram that shows the history of the waste level and waste level changes in a tank. The diagram also includes other related data.
Liquid Observation Well (LOW)	Liquid observation wells are used to monitor the interstitial liquid level (ILL) in single-shell waste storage tanks. Three probes are used to monitor changes in the ILL: acoustic, gamma, and neutron. Each method can indicate intrusions or leakage by increases or decreases in the ILL.
Liquid Level Best Engineering Judgement Line	During the initial fill of certain single-shell tanks, only the liquid level was reported. To adjust for the big increase in level height, which occurred when solids were added to the record, a sloped line was used to reflect solids volume between the

	initial fill and the time the solids data was recorded.
LO	Loss from tank.
LUNC	See Waste Abbreviations.
LW	See Waste Abbreviations.
Metal Waste (MW)	Waste from the extraction containing all the uranium, approximately 90 percent of the original fission product activity, and approximately 1 percent of the product. This waste was brought just to the neutral point with 50 percent caustic and then treated with an excess of sodium carbonate. This procedure yielded almost completely soluble waste at a minimum total volume. The exact composition of the carbonate compounds was not known but was assumed to be an uranium phosphate carbonate mixture.
Molarity	Number of gram molecular weights(moles) per liter of solution.
Mole	The amount of a substance with weight equal to the molecular weight in grams.
MW	See Waste Abbreviations.
MWF	See Waste Abbreviations.
N	See Waste Abbreviations.
NCAW	See Waste Abbreviations.
NCPL	See Waste Abbreviations.
NCPLEX	See Waste Abbreviations.
NCPLX	See Waste Abbreviations.
NCRW	See Waste Abbreviations.
Neutralized PUREX Acid Waste	The original plant in 1956 neutralized all the high-level waste and sent it to the 241-A Tank Farm. As fission product

	recovery started, a portion of the waste was treated for strontium recovery and then neutralized. As of 1967, all of the high-level waste left PUREX as an acid solution for treatment at B Plant.
Neutron Probe	Probe equipped with a neutron source and detector. They are used in dry well monitoring to determine the moisture content of the soil as one means for detecting leaks in underground waste storage tanks or pipelines.
NFAW	See Waste Abbreviations.
NHAW	See Waste Abbreviations.
NIT	$HNO_3/KMNO_4$ solution added during evaporator operation.
Noise At The Bottom Of Well--Drywell Probe	Erroneous reading caused by probe coming contact with foreign objects at the bottom of a well.
Non-Complexed (NCPLX)	General waste term applied to all Hanford Site liquors not identified as complexed (containing organics).
NPH	Normal paraffin hydrocarbon.
NRAW	See Waste Abbreviations.
NRP82	See Waste Abbreviations.
NRPO4	See Waste Abbreviations.
NRSO4	See Waste Abbreviations.
NTA	Nitrilotriacetic acid.
Nuclear reactor	A device for creating a controlled nuclear chain reaction using atomic fuel, as for the production of energy.
Open Hole Salt Well	A well in which a pump is inserted in solid waste. Frequently used to remove the liquid from tanks containing less than 2 feet of sludge.

Organic Wash Waste(OWW)	The solvent used in PUREX was treated before reuse by washing with potassium permanganate and sodium carbonate, followed by dilute nitric acid and then a sodium carbonate wash.
Out-of-Service-Tank	A tank that does not meet the definition of an in-service tank. Before September 1988, these tanks were defined as inactive. {Note: all single-shell tanks (SSTs) are out of service.}
OWW	See Waste Abbreviations.
P	See Waste Abbreviations.
P1:	See LANL Defined Waste List.
P2:	See LANL Defined Waste List.
PADFG	See Waste Abbreviations.
PADWG	See Waste Abbreviations.
Partially Interim Isolated	The administrative designation reflecting the completion of the physical effort required for Interim Isolation except for the isolation of risers and piping that will be required for jet pumping or for other methods of stabilization.
PAS	See Waste Abbreviations.
PASF	See Waste Abbreviations.
PAW	See Waste Abbreviations.
PD	See Waste Abbreviations.
PDBNG	See Waste Abbreviations.
PDBSU	See Waste Abbreviations.
PDBTG	See Waste Abbreviations.
PDCSS	See Waste Abbreviations.

PDL87	See Waste Abbreviations.
PDL89	See Waste Abbreviation.
PDNSG	See Waste Abbreviations.
PDS87	See Waste Abbreviations.
PDS89	See Waste Abbreviations.
PDSLG	See Waste Abbreviations.
PDSUP	See Waste Abbreviations.
PFeCN	See Waste Abbreviations.
PFeCN1:	See LANL Defined Waste List.
PFeCN2:	See LANL Defined Waste List.
PFMMS	See Waste Abbreviations.
PFP (Z-Plant)	See facilities.
PFP	Plutonium finishing plant waste (see Z, 224, PRF).
PFPGR	See Waste Abbreviations.
PFPNT	See Waste Abbreviations.
PFPPT	See Waste Abbreviations.
PFPSL	See Waste Abbreviations.
pH	A measure of the hydrogen ion concentration in a solution.
Pile	An early term used to describe a nuclear reactor.
PL	See Waste Abbreviations.
PML89	See Waste Abbreviations.
PMS89	See Waste Abbreviations.
PN	See Waste Abbreviations.

PNF	See Waste Abbreviations.
POO-P##	In-Plant scavenging with FeCN-see SCAV, TOO-T##.
Portland Cement	A hydraulic cement made by finely pulverizing the clinker produced by calcining to incipient fusion a mixture of clay and limestone or similar materials.
PRF	Plutonium Reclaimation Facility-Type of waste generated in Z-Plant for "finishing wastes". Solvent based extraction process using CCl_4/TBP.
Primary Addition	An addition of waste from a specific plant or process vault. These additions come from the "waste Status and Transaction Record Summary", WHC-SD-WM-TI-614 & -615 Rev. 0 DRAFT.
Primary Stabilization	The condition of an inactive waste storage tank after all liquid above the solids, other than isolated surface pockets, has been removed. Isolated surface pockets of liquid are those not pumpable by conventional techniques.
Probe	A device used to get information about the environment. In this report, an instrument package designed to be inserted in drywells, risers, or ports to measure waste characteristics.
PSL	See Waste Abbreviations.
PSS	See Waste Abbreviations.
PSSF	See Waste Abbreviations.
Psychrometry	Determination of humidity or dew point from wet and dry bulb temperatures with the difference in the two used as a measure of dryness in the atmosphere.
PT	See Waste Abbreviations.

PUREX	See Facilities.
PX86S	See Waste Abbreviations.
PXBAW	See Waste Abbreviations.
PXBSG	See Waste Abbreviations.
PXFTF	See Waste Abbreviations.
PXLOW	See Waste Abbreviations.
PXMET	See Waste Abbreviations.
PXMSC	See Waste Abbreviations.
PXNAW	See Waste Abbreviations.
Questionable Integrity	Any tank that has a small decrease in liquid level or a radiation increase in an associated dry well, for which the data are insufficient to support a conclusion with 95 percent confidence that the tank is sound.
R	See Waste Abbreviations.
R SLTCK:	See LANL Defined Waste List.
R1:	See LANL Defined Waste List.
R2:	See LANL Defined Waste List.
Radiation Zone	An area containing radioactive materials in quantities significant enough to require control of personnel entry to the area.
Radiation	Particles and electromagnetic energy emitted by nuclear transformations that are capable of producing ions when interacting with matter.
Readily available have Risers	Risers located above grade which do not apparatus attached to or contained in them.

REC	Receive waste from another tank-see XFER.
REDOX	See Facilities.
Removed From Service is not (Tanks)	Any tank that is a confirmed leaker or intended for reuse.
Rerun Drywell Data	Surveillance data which supersedes "suspect data".
RESD	See Waste Abbreviations.
RIX	See Waste Abbreviations.
RMC	Remote Mechanical C-Line -Process used in Z-Plant.
RSN	See Waste Abbreviations.
RSS	See Waste Abbreviations.
RTX	See Waste Abbreviations.
S	Transaction Flag Key-Partial neutralization (PNF).
S-Plant (REDOX)	See Facilities.
S1 SLTCK:	See LANL Defined Waste List.
S2 SLTSLRY:	See LANL Defined Waste List.
Salt Cake	Crystallized nitrate and other salts deposited in waste tanks, usually after active measures are taken to remove moisture.
Salt Well	A hole drilled or sluiced into a salt cake and lined with a cylindrical screen to permit drainage and jet pumping of interstitial liquors.
SCAV	Scavenging campaign with FECN on TBP, 1952-57. See TOO-T##, POO-P##.
Scavenged	Waste which has been treated with ferrocyanide to remove cesium from the

	supernatant by precipitating it into the sludge.
Scintillation Monitor	A radiation detection instrument based on the principle that light pulses are produced in some materials when they are exposed to radiation.
Self Concentrating	High-level liquid radioactive waste whose constituent radionuclides contribute sufficient decay heat to cause the solution to boil and/or self-concentrate.
Self-Evaporation	A waste material in which moisture is being lost as the moisture changes to a vapor and diffuses into the atmosphere.
SET	Connect cascaded tanks together-see CAS and END.
SIX	See Waste Abbreviations.
SL	See Waste Abbreviations.
SL3SY	See Waste Abbreviations.
Sludge	Primarily insoluble metal hydroxides and oxides precipitated from neutralized waste.
Slugs	An early term for uranium fuel elements which had been machined or extruded into short cylinders which were then clad or encased in corrosion-resistant metals.
Sluicing, or sluiced	To wash with water. At Hanford, this has meant to dissolve or suspend in solution by action of a high pressure water stream.
Slurry	Insoluble material suspended in water or aqueous solution.
Sound Tank	The classification of a waste storage tank for which surveillance data indicates there has been no loss of liquid attributed to a breach of

	integrity.
SPRG	Sparge-transfer of water or volume
SRR	See Waste Abbreviations.
SRS	See Waste Abbreviations.
SRS	See Waste Abbreviations.
SSW	See Waste Abbreviations.
STAB	Tank stabilized by removal of liquid. Both floating suction and salt-well jet pumps used to remove liquid.
Stabilization	The removal, or immobilization, as completely as possible, of the liquid contained in a radioactive waste storage tank by salt well pumping, open hole salt well pumping, diatomaceous earth addition, etc.
Static Tank	A tank with no significant change in liquid level or involvement in transfer operations during a stated period of time.
Strontium Semi-Works	Called C-Plant or Hot Semi-Works, was a pilot plant for both Redox and Purex, then reconfigured for strontium recovery.
SU	See Waste Abbreviations.
Supernatant (Supernatant Liquid)	In waste storage tanks, the liquid quantity defined by the difference between the measured liquid level and the measured average solids level in a tank.
Surveillance	Regular or systematic watch kept over someone or something.
Suspect Data	Surveillance data which does not fall within the expected range and is superseded by "reruns."

SV	Transaction Flag Key-Amount by difference in solids.
SW RCR	Salt-well Receiver.
SWLIQ	See Waste Abbreviations.
SWLQW	See Waste Abbreviation.
T-Plant (222-T)	See Facilities.
T1 SLTCK:	See LANL Defined Waste List.
T2 SLTCK:	See LANL Defined Waste List.
Tank Farm	An area containing a number of storage tanks; i.e., a chemical tank farm for storage of chemicals used in a plant, or underground waste tank storage of radioactive waste.
TBP	Tributyl phosphate, a solvent used in the PUREX solvent extraction process.
TBP	See Waste Abbreviations.
TCO	See Waste Abbreviations.
Terminal Liquor	The liquid product from the evaporation-crystallization process which, upon further concentration, forms an unacceptable solid for storage in single-shell tanks. Terminal liquor is characterized by a caustic concentration of approximately 5.5 M (the caustic molarity will be lower if the aluminum salt saturation is reached first).
TFeCN	See Waste Abbreviations.
TH	See Waste Abbreviations.
Thermocouple Tree	A group of thermocouples assembled in a pipe and inserted into a waste tank for measuring temperatures at regular (normally 2 feet) vertical intervals.
Thermocouple,	A probe for measuring temperature,

Thermocouple probe	consisting of two dissimilar metal wires joined at one end (hot junction) with the free ends joined to a measuring instrument. Electrical potential changes due to temperature changes at the hot end are measured and calibrated to read out as temperature.
Thermowell	A well in a waste tank which contains thermocouples.
THL	See Waste Abbreviations.
Thorium	A chemical element which is also a fertile material. By fertile is meant that when subjected to radiation in a nuclear reactor it will be converted, in this case, to ^{233} uranium, a potential fuel.
TK	Tank. TK-17-2, however, was an early designation for B-Plant.
TL	See Waste Abbreviations.
TOO-T##	In-Tank scavenging with FECN, see SCAV, P##.
TPLAL	See Waste Abbreviations.
TPLAN	See Waste Abbreviations.
TPLAS	See Waste Abbreviations.
TR	Transfer from tank.
Trench	A deep furrow in the ground. At Hanford they are used for the disposal of solid waste.
trFlag	Transaction Flag Keys-used by W-Trac-see CDF, D, E, S, SV, 1, 3, 6, 0.17, 0.33.
Tributyl Phosphate(TBP)	A chemical compound, also an organic solvent used in the PUREX solvent extraction process.

Type I Tank	These are the 200 series B, C, T, and U Farm tanks. They have an operating capacity of 55,000 gal, a 20-ft diameter, a 6-in. dish bottom, and a 3-ft knuckle. There is no generation associated with type I tanks.
Type II Tank	These are the original, 1st generation, tank designs, encompassing B, C, T, U (excluding the 200 series tanks), and BX Tank Farms. Also see 1st Generation Tank.
Type III Tank	These are the 2nd Generation tank designs, encompasing BY, S, TX, and TY Tank Farms. Also see 2nd Generation Tank.
Type IV Tank	These include 3rd, 4th, and 5th generation tank designs, encompasing SX, A, and AX Tank Farms respectively. Also see 3rd Generation Tank, 4th Generation Tank, and 5th Gneration Tank.
Type V Tank	These are the first double shell tank designs, encompasing AY, AZ, and SY Tank Farms.
U-Plant (222-U)	See Facilities.
U1U2	See Waste Abbreviations.
UNKN	Unknown waste origin sink.
UNKNOWN:	See LANL Defined Waste List.
UR	Uranium recovery operation in 222-U, 1952-57. Created TBP (primary waste) and FECN (scavenging wastes). See TFeCN, PFeCN, POO, TOO, FeCN.
UR:	See LANL Defined Waste List.
Watch List Tank	An underground storage tank containing waste that requires special safety precautions because it may have a serious potential for release of high-level radioactive waste because of

	uncontrolled increases in temperature or pressure. Special restrictions have been placed on these tanks by "Safety Measures for Waste Tanks at Hanford Nuclear Reservation," Section 3137 of the National Defense Authorization Act for Fiscal Year 1991, November 5, 1990, Public Law 101-501 (also known as the Wyden Amendment).
WATER	Flush water from various sources.
WTR	Water.
WVP	Waste volume projections
XFER	Transfer of waste out of tank.
Z	See Waste Abbreviations
Z-Plant	See Facilities
Z-PLANT	PFP. Plutonium Finishing Plant.
ZAW	See Waste Abbreviations.
ZHIGH	See Waste Abbreviations.
ZLAB	See Waste Abbreviations.
ZLOW	See Waste Abbreviations.
ZPRFL	See Waste Abbreviations.
ZPRFS	See Waste Abbreviations.
ZRM	See Waste Abbreviations.
ZRMCL	See Waste Abbreviations.
ZRMCS	See Waste Abbreviations.

WASTE ABBREVIATIONS

1AYIN	Concentrated complex waste from 101 AY inventory
1AZIN	Pre 2-81 101AZ inventory
1C	First cycle waste
1CEB	1st cycle evaporator bottoms
1CS	1st cycle scavenging waste
224	224-U waste
224-F	224-U waste. LaF Pu finishing plant
231Z	Dilute, phosphate waste from 231Z laboratories
2AYIN	Pre 2-81 102AY inventory
2AZIN	Pre 2-81 concentrated complex waste from 102AZ inventory
2C	Second cycle waste
2SYIN	Pre 2-81 102SY inventory
3AWIN	Pre 2-81 103AW inventory
5-6	B-Plant tank 5,6 waste
5AWIN	Pre 2-81 105AW inventory
6AWIN	Concentrated phosphate waste in 106AW inventory
AGE, AGING	Aging waste
B	B-Plant high- level waste
B860N	Dilute, non-complexed waste from B Plant cell drainage
BFSH	B-Plant flush waste water
BL	B-Plant low-level waste

BLEB	B-Plant low-level evaporator bottoms
BLIX	B-Plant low level ion exchange?
BLIXB	B-Plant low level ion exchange bottoms?
BNW	Battelle Northwest Laboratory waste
BPDCC	Dilute, complexed waste from B Plant cesium processing
BPDCS	Dilute, complexed waste from B Plant strontium processing
BPDCV	Dilute, complexed waste from B Plant vessel clean-out
BPFPS	B Plant high Tru solids from retrieved PFP solids
BPLCS	Dilute, non-complexed waste from B Plant strontium processing
BPLDC	Dilute, complexed waste from B Plant cesium processing
BPLDN	Dilute, non-complexed waste from B Plant cesium processing
BVCLN	Dilute, non-complexed waste from B Plant vessel clean-out
CARB	PUREX organic wash waste
CC	Complexant concentrate waste
CCGL	B-Plant high Tru solids from retrieved complexed concentrate
CCGR	Dilute, non-complexed waste from retrieved complexed concentrate
CCPL	Complexant concentrate
CCPLX	Complexant concentrate-see CPLX

CE	Evaporator concentrate
CEM	Concrete-see CON
CF	Cesium feed
CON	Concrete-see CEM
CP	Concentrated phosphate waste from N Reactor decontamination
CPLX	Complex waste
CSFD	Cesium feed
CSR	Waste sent to B-Plant for cesium recovery
CST	Caustic solution
CSWLE	Complexed salt well liquid east area
CSWLW	Complexed salt well liquid west area
CW	Coating waste
CWP/ZR	Coating waste (PUREX), Zirconium cladding
CWP	Coating waste (PUREX)
CWR	Coating waste (REDOX)
CX70	Dilute, complexed mixture hot-semiworks Tru solids
DC	Dilute complexed waste
DN/PD	DN with P Tru solids
DN	Dilute non-complexed waste
DN/PT	DN with PFP Tru solids
DSS	Double-shell slurry
DSSF	Double-shell slurry feed

DUMM	Dummy waste
DUMMY	Dummy waste
DW	Decontamination waste
DWBIX	Decontamination waste and B-Plant ion exchange
EB	Evaporator bottoms
EF	Evaporator feed
EFD	Evaporator feed dilute
EVAP	Evaporator feed (post 1976)
EVAPF	Dilute, non-complexed waste from evaporator pad flush
FD	Feed dilute
FLSH	Flush water
FP	Fission product waste
HDRL	Hanford defense residual liquor
HLO	Hanford laboratory operations waste
HLW	High level waste-generic for all Hanford tank wastes
HS	Hot semiworks waste
IWW	PUREX #1 acid concentrator waste
IX	Ion exchange waste
L222S	222S laboratory, dilute non-complexed waste
L3A4A	Dilute non-complexed laboratory wastes from 300 & 400 areas
LaF	Lanthanum fluoride waste generated in PFP

LUNC	Dilute, non-complexed waste from UNC fuels fabrication
LW	Laboratory waste
MW	Metal waste
MWF	Metal waste feed
N	N-Reactor waste
NCAW	Neutralized current acid waste, primary HLW stream from PUREX process
NCPLEX	Non-complexed waste-see NCPLX
NCPLX	Non-complexed waste-see NCPLEX
NCPL	Non-Complexed waste
NCRW	Neutralized cladding removal waste-same as CWP.
NFAW	Aging waste from PUREX/PFM high level waste
NHAW	Aging waste from PUREX/PFM processing of NPR fuel
NRAW	Aging waste from PUREX/PFM residue acid waste
NRP82	Dilute, non-complexed waste from FY82 100-N area waste transfer
NRPO4	Dilute, phosphate waste from 100N area
NRSO4	Dilute, non-complexed waste from 100N area
OWW	Organic wash waste
P	PUREX waste
PADFG	Purex ammonia destruction waste, from fuels grade fuel
PADWG	Purex ammonia destruction waste, from

	weapons grade fuel
PAS	Purex acidified sludge
PASF	Purex ammonia scrubber feed
PAW	Purex acidified waste
PD	Purex decladding waste
PDBNG	Decladding sludge (non-Tru) from B Plant processing
PDBSU	Dilute, non-complexed waste from B Plant decladding waste
PDBTG	B Plant aging waste solids from Purex decladding waste
PDCSS	Dilute non-complexed Purex decladding waste, FY1986 only
PDL87	Purex decladding supernatant, 1987
PDL89	Purex decladding supernatant, non-Tru, spent metathesis removed
PDNSG	Non-Tru decladding sludge from Purex
PDS87	Purex decladding sludge
PDS89	Purex decladding sludge after FY89
PDSLG	Purex decladding sludge sol Purex
PDSUP	Dilute, non-complexed waste, Purex decladding waste
PFeCN	Ferrocyanide sludge produced by in-plant scavenging of waste from uranium recovery
PFMMS	Dilute, non-complexed waste from shear/leach processing of NPR fuel
PFPGR	Dilute, non-complexed waste from retrieved PFP solids

PFPNT	Non-tru sludge from the PFP sol Z Plant
PFPPT	Dilute, non-complexed waste from the PFP (with TRUEX)
PFPSL	High-tru sludge from the PFP sol Z Plant
PL	PUREX low-level waste
PML89	Purex spent metathesis liquid after FY89
PMS89	Purex spent metathesis solids after FY89
PN	Purex neutralized cladding waste
PNF	Partial neutralized waste
PSL	Purex sludge sluiced during recovery of strontium
PSS	PUREX sludge supernatant
PSSF	Purex sludge supernatant feed
PT	Tru solids from 200W
PX86S	Dilute, non-complexed waste from Purex miscellaneous streams(NPR fuel) FY86
PXBAW	B Plant aging waste supernatant from retrieved aging waste
PXBSG	B Plant aging waste solids from retrieved aging waste
PXFTF	Dilute, non-complexed waste from Purex miscellaneous streams (FFTF)
PXLOW	Purex low level waste
PXMET	Purex dilute, non-complexed decladding: spent metathesis
PXMSC	Dilute, non-complexed waste from Purex miscellaneous streams(NPR fuel)
PXNAW	Aging waste from Purex high level waste

R	REDOX waste
RESD	Residual evaporator liquor
RIX	REDOX ion exchange waste
RSN	REDOX supernatant
RSS	Redox sludge supernatant
RTX	Redox ion exchange
SIX	PUREX ion exchange waste
SL	Sludge
SL3SY	Double shell slurry from end of FY80, 103SY inventory
SRR	Waste sent to B-Plant for strontium recovery
SRS	Strontium sludge
SRS	Strontium recovery supernatant
SSW	Strontium semiworks waste
SU	Supernatant
SWLIQ	Dilute, non-complexed waste from east area single shell tanks
SWLQW	Dilute, non-complexed waste from west area single shell tanks
TBP	Tri-Butyl Phosphate
TCO	Dilute non-complexed waste from terminal cleanout
TFeCN	Ferrocyanide sludge produced by in-tank or in-farm scavenging
TH	Thoria HLW or cladding waste
THL	Thoria low level waste

TL	Terminal liquor
TPLAL	Dilute, non-complexed waste from T Plant
TPLAN	Dilute, non-complexed waste from T Plant
TPLAS	Sludge from T Plant operations
U1U2	Dilute, non-complexed waste from U1/U2 groundwater pumping
Z	Z-Plant waste
ZAW	Purex waste stream from zirconium cladded fuel
ZHIGH	Dilute, non-complexed waste from the PFP (without Truex)
ZLAB	Dilute, non-complexed waste from the PFP laboratories
ZLOW	Dilute, non-complexed waste from Pre-FY85 Z Plant operations
ZPRFL	Dilute, non-complexed waste from PRF processing
ZPRFS	PFP Tru solids from PRF processing
ZRMCL	Dilute, non-complexed waste from PFP RMC processing
ZRMCS	PFP Tru solids from PFP RMC processing

A. LANL Defined Wastes

LANL DEFINED WASTE LIST

A1 SLTCK	Saltcake waste generated from the 242-A evaporator-crystallizer from 1977 until 1980.
A2 SLTSLRY	Salt slurry waste generated from the 242-A evaporator-crystallizer from 1981 until 1994.
AR	"Washed" PUREX sludge fromthe AR vault.
B SLTCK	Saltcake waste generated from the 242-B evaporator from 1951 until 1955.
BY SLTCK	Saltcake waste generated from in-tank solidification units 1 and 2 between 1965 and 1974.
CWP2	Cladding waste-PUREX 2???
DE	Diatomaceous earth.
P1	PUREX high-level waste generated between 1955 and 1962.
P2	PUREX high-level waste generated between 1963 and 1967.
PFeCN1	Ferrocyanide sludge generated from in-plant scavenging of waste from uranium recovery.
PFeCN2	Same as PFeCN1, except used 0.0025 M ferrocyanide.
R SLTCK	Salt cake waste from the REDOX concentrator.
R1	REDOX waste generated between 1952 and 1957.
R2	REDOX waste generated between 1958 and 1966.

S1 SLTCK	Saltcake waste generated from the 242-S evaporator/crystallizer from 1973 until 1976.
S2 SLTSLRY	Salt slurry waste generated from the 242-S evaporator-crystallizer from 1977 until 1980.
T1 SLTCK	Saltcake waste generated from the 242-T evaporator from 1951 until 1955.
T2 SLTCK	Saltcake waste generated from the 242-T evaporator from 1965 until 1955.
UNKNOWN	Unkown waste type.
UR	Uranium recovery waste (also known as tributyl phosphate (TBP) waste).

FACILITIES

A Plant (PUREX)	The facility at Hanford which contains the latest solvent extraction process for recovery of both plutonium and uranium.
B Plant (222-B)	On of the three original bismuth-phosphate processing facilities. Later converted to a waste fractionation plant.
C Plant (222-C)	Initially a pilot plant for Redox, later a pilot plant for Purex and B-Plant waste partitioning.
S Plant (REDOX)	The facility at Hanford which contains the original extraction process for recovery of both plutonium and uranium.
T Plant (222-T)	One of the three original bismuth-phosphate processing facilities. Later converted to a decontamination facility.
U Plant (222-U)	One of the three original bismuth-phosphate processing facilities. Later converted to a uranium recovery plant.
PFP (Z Plant)	Plutonium Finishing Plant. The final operations for production of plutonium products are carried out in this facility.
242-A	A forced circulation vacuum evaporation system.
242-B	An evaporator that operates at atmospheric pressure. Also referred to as an open air type evaporator.
242-S	A forced circulation vacuum evaporation system.
242-T	An evaporator that operates at atmospheric pressure. Also referred to as an open air type evaporator.

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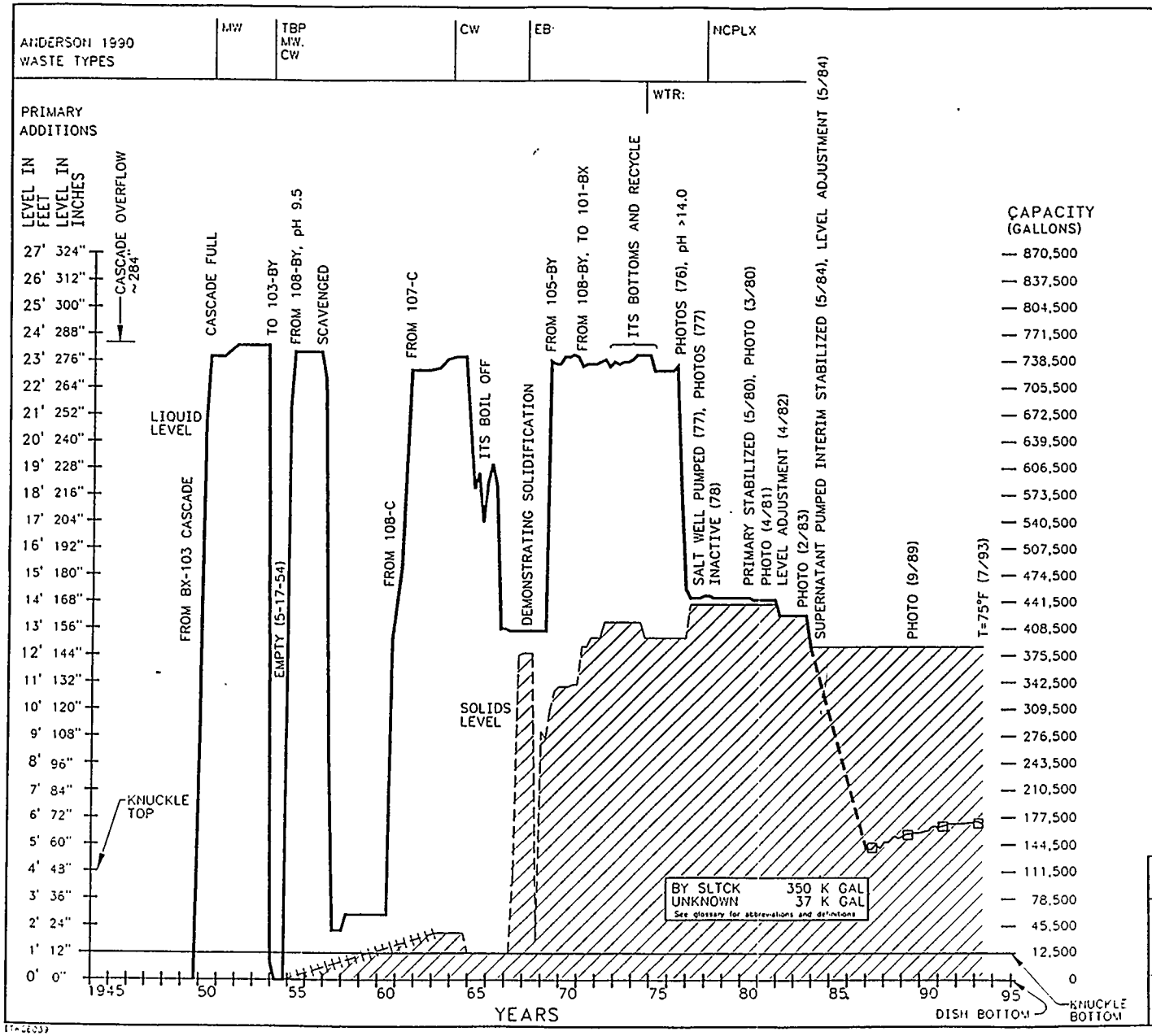


NOTES:

CONSTRUCTED 1948-1949
NOMINAL CAPACITY: 758,000 GAL
DISH BOTTOM, 4 FOOT RADIUS KNUCKLE
75 FOOT DIAMETER TANK
SURFACE LEVEL READING: PHOTO EVALUATION (LIQUIDS), MANUAL TAPE (SOLIDS)

WHC REPORT WHC-EP-0347 SUPPLEMENT
WHC REPORT WHC-EP-0182-(MONTHLY)
WHC REPORT WHC-MR-0132
WHC REPORT SD-WM-TI-356
RHO-CD-0014-(MONTHLY)

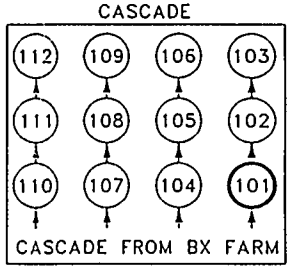
DWG. H-2-1783
DWG. H-2-1789

CW COATING WASTE
EB: EVAPORATOR BOTTOMS
MW: METAL WASTE
TBP: TRI-BUTYL PHOSPHATE
ITS: IN TANK SOLIDIFICATION
NCPLX: NON-COMPLEXED WASTE
WTR: WASTE WATER

LEGEND

- LIQUID OBSERVATION WELL (LOW)
- LIQUID LEVEL
- LIQUID LEVEL BEST ENGINEERING JUDGEMENT
- SOLIDS LEVEL
- SOLIDS LEVEL BEST ENGINEERING JUDGEMENT

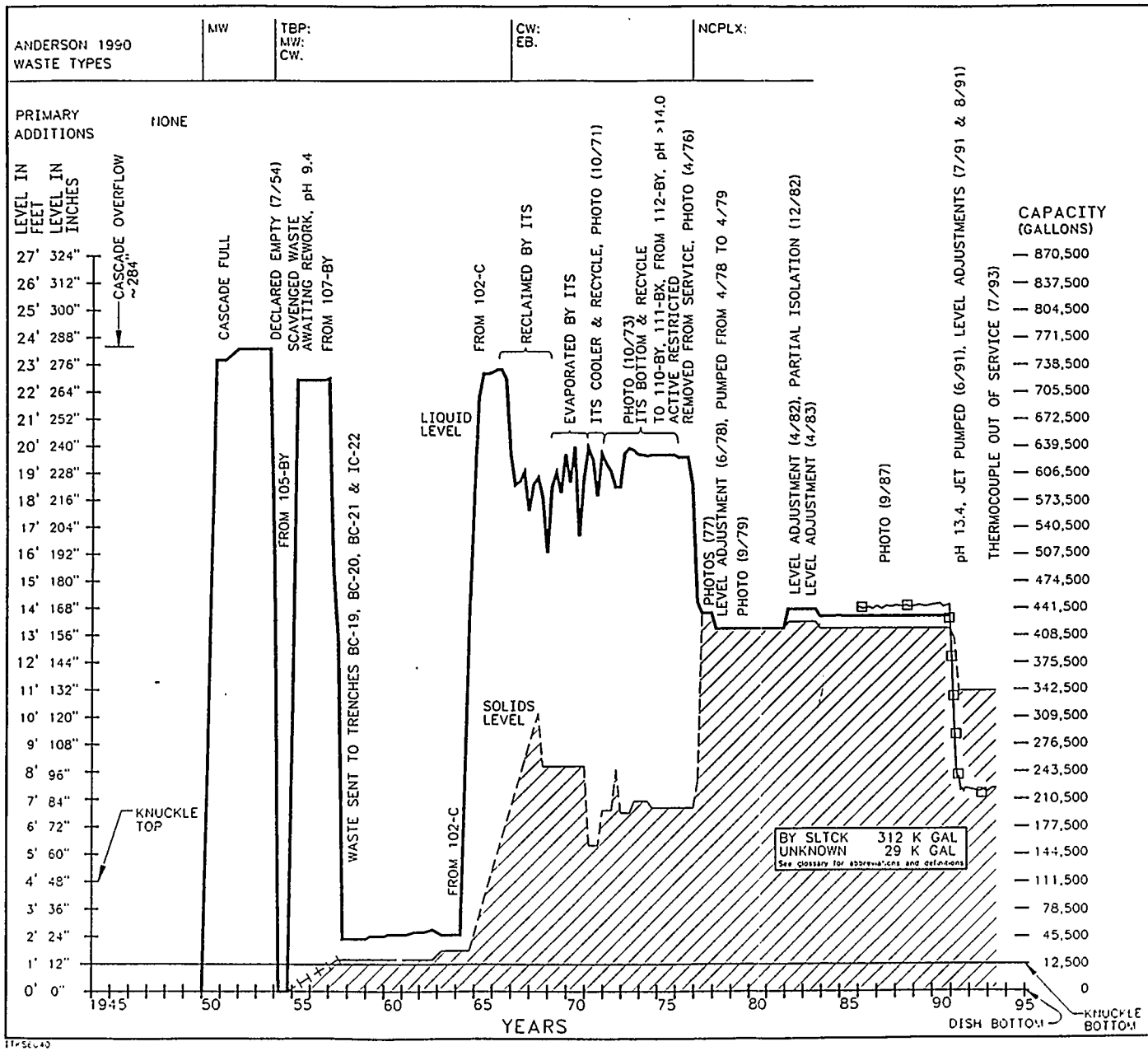
BY TANK FARM CASCADE



U.S. DEPARTMENT OF ENERGY
RICHLAND FIELD OFFICE
ICF KAISER HANFORD

241-BY-101 SINGLE-SHELL TANK
LEVEL HISTORY 1950 TO 1993
SOUND/STABILIZED TANK
WATCH LIST: N/A

SIZE	BLDG NO	DWG NO	DATE
B	241	ES-TKS-E39	6/94
SCALE NONE	JOB NO	SHEET 1 OF 1	



NOTES:

CONSTRUCTED 1948-1949
NOMINAL CAPACITY, 758,000 GAL
DISH BOTTOM, 4 FOOT RADIUS KNUCKLE
75 FOOT DIAMETER TANK
SURFACE LEVEL READING: PHOTO & MANUAL TAPE (LIQUIDS), MANUAL TAPE (SOLIDS)

WHC REPORT WHC-EP-0347 SUPPLEMENT
WHC REPORT WHC-EP-0182-(MONTHLY)
WHC REPORT WHC-MR-0132
WHC REPORT SD-WM-TI-356
RHO-CD-0014-(MONTHLY)

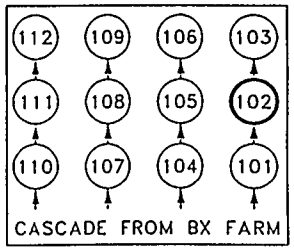
DWG H-2-1783
DWG H-2-1789

EF: EVAPORATOR FEED
CW: COATING WASTE
EB: EVAPORATOR BOTTOMS
MW: METAL WASTE
TBP TRI-BUTYL PHOSPHATE
ITS: IN-TANK SOLIDIFICATION
NCPLX: NON-COMPLEXED WASTE

LEGEND

- LIQUID OBSERVATION WELL (LOW)
- LIQUID LEVEL
- LIQUID LEVEL BEST ENGINEERING JUDGEMENT
- SOLIDS LEVEL
- SOLIDS LEVEL BEST ENGINEERING JUDGEMENT

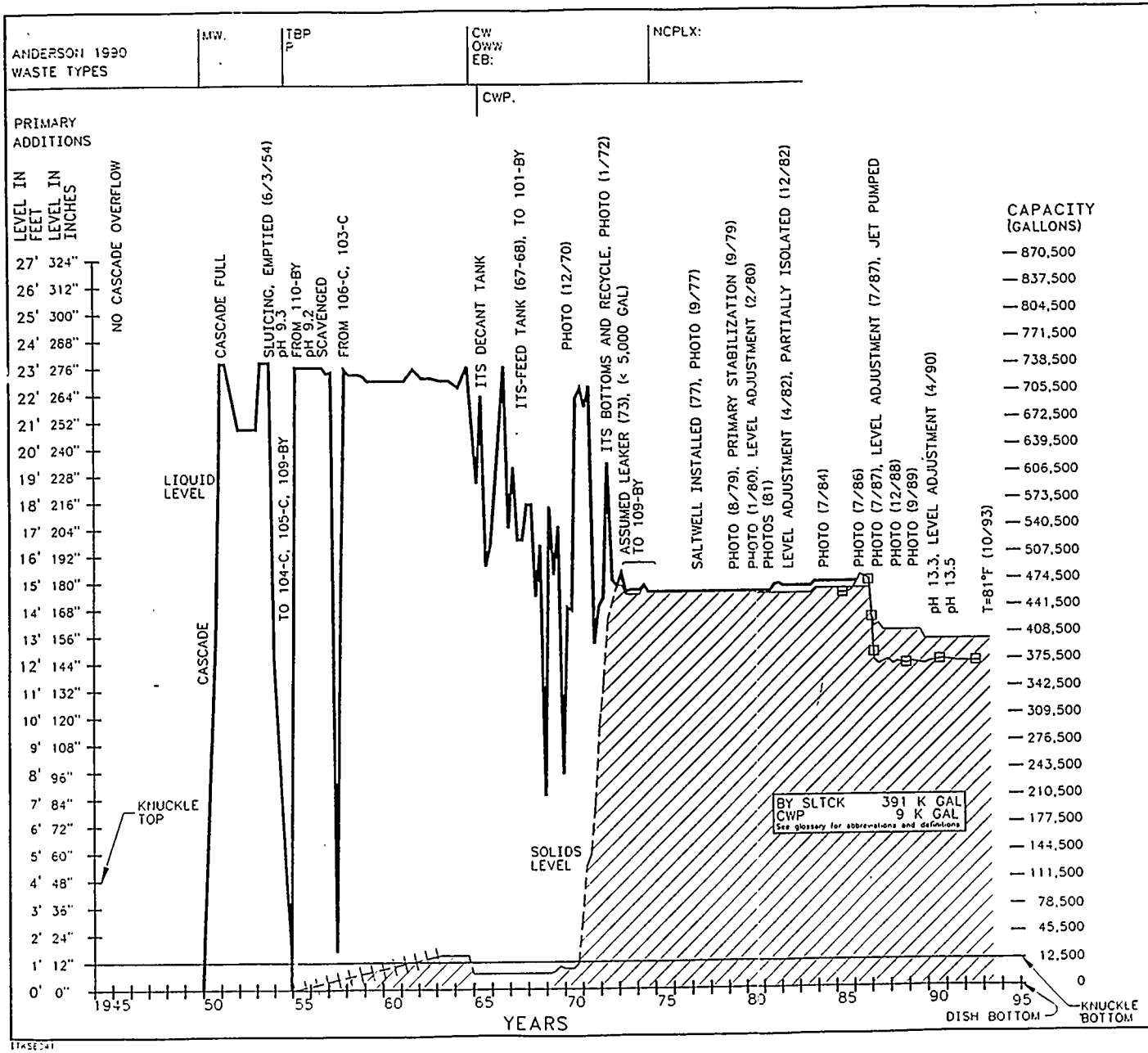
BY TANK FARM CASCADE



U.S. DEPARTMENT OF ENERGY
RICHLAND FIELD OFFICE
ICF KAISER HANFORD

241-BY-102 SINGLE-SHELL TANK
LEVEL HISTORY 1950 TO 1993
SOUND/NON-STABILIZED TANK
WATCH LIST: N/A

SIZE	BLDG NO	DWG NO	DATE
B	241	ES-TKS-E40	6/94
SCALE NONE	JOB NO	SHEET 1 OF 1	



NOTES:

CONSTRUCTED 1948-1949
NOMINAL CAPACITY, 758,000 GAL
DISH BOTTOM, 4 FOOT RADIUS KNUCKLE
75 FOOT DIAMETER TANK
SURFACE LEVEL READING: PHOTO (LIQUIDS),
MANUAL TAPE (SOLIDS & LIQUIDS)

WHC REPORT WHC-EP-0347 SUPPLEMENT
WHC REPORT WHC-EP-0182-(MONTHLY)
WHC REPORT WHC-MR-0132
WHC REPORT SD-WM-TI-356
RHO-CD-0014-(MONTHLY)

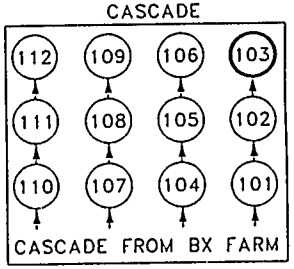
DWG. H-2-1783
DWG H-2-1789

P. PUREX HIGH-LEVEL WASTE
CW: COATING WASTE
EB: EVAPORATOR BOTTOMS
MW: METAL WASTE
TBP: TRI-BUTYL PHOSPHATE
OWW: ORGANIC WASH WASTE
NCPLX: NON-COMPLEXED WASTE
CWP. CLADDING WASTE-PUREX

LEGEND

- LIQUID OBSERVATION WELL (LOW)
- LIQUID LEVEL
- LIQUID LEVEL BEST ENGINEERING JUDGEMENT
- SOLIDS LEVEL
- SOLIDS LEVEL BEST ENGINEERING JUDGEMENT

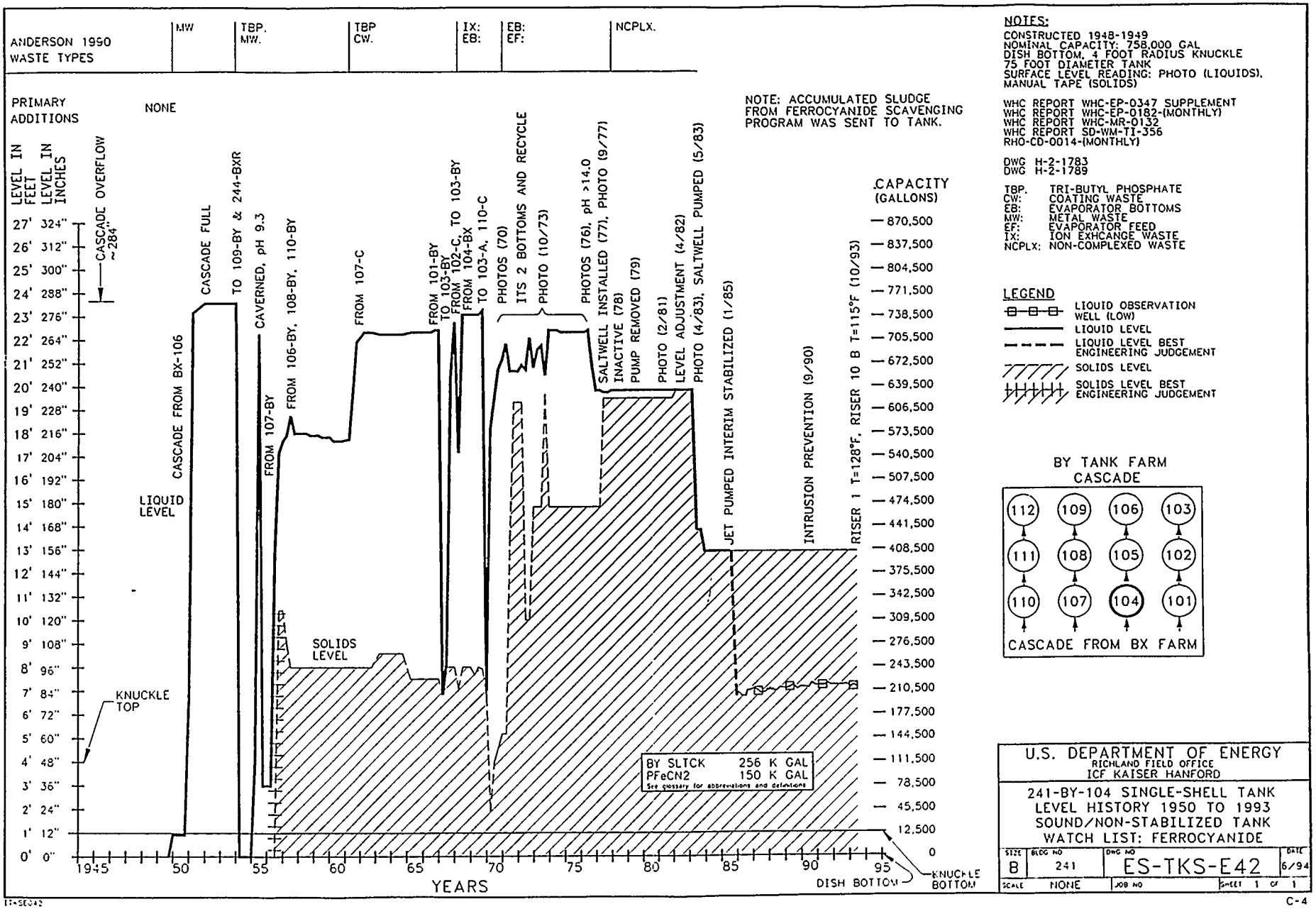
BY TANK FARM
CASCADE



U.S. DEPARTMENT OF ENERGY
RICHLAND FIELD OFFICE
ICF KAISER HANFORD

241-BY-103 SINGLE-SHELL TANK
LEVEL HISTORY 1950 TO 1993
ASSUMED LEAKER/NON-STABILIZED
WATCH LIST: FERROCYANIDE

SIZE	BLDG NO	DWG NO	DATE
B	241	ES-TKS-E41	6/94
SCALE NONE	JOB NO	SHEET 1 OF 1	



NOTE: ACCUMULATED SLUDGE FROM FERROCYANIDE SCAVENGING PROGRAM WAS SENT TO TANK.

NOTES:

CONSTRUCTED 1948-1949
NOMINAL CAPACITY: 758,000 GAL
DISH BOTTOM, 4 FOOT RADIUS KNUCKLE
75 FOOT DIAMETER TANK
SURFACE LEVEL READING: PHOTO (LIQUIDS), MANUAL TAPE (SOLIDS)

WHC REPORT WHC-EP-0347 SUPPLEMENT
WHC REPORT WHC-EP-0182-(MONTHLY)
WHC REPORT WHC-MR-0132
WHC REPORT SD-WM-TI-356
RHO-CD-0014-(MONTHLY)

DWG H-2-1783
DWG H-2-1789

TBP. TRI-BUTYL PHOSPHATE
CW: COATING WASTE
EB: EVAPORATOR BOTTOMS
MW: METAL WASTE
EF: EVAPORATOR FEED
IX: ION EXHCANGE WASTE
NCPLX: NON-COMPLEXED WASTE

LEGEND

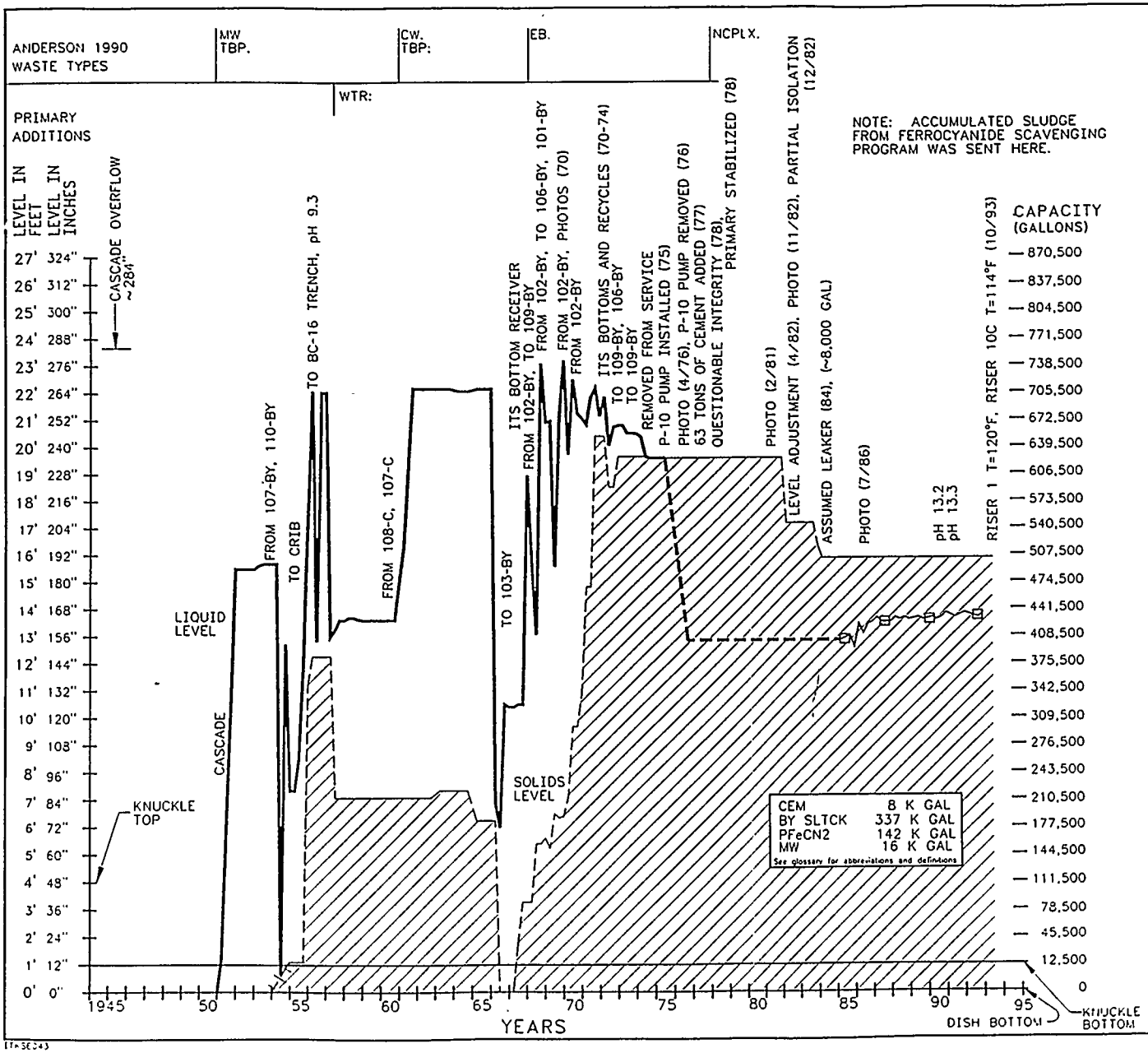
- LIQUID OBSERVATION WELL (LOW)
- LIQUID LEVEL
- LIQUID LEVEL BEST ENGINEERING JUDGEMENT
- SOLIDS LEVEL
- SOLIDS LEVEL BEST ENGINEERING JUDGEMENT

BY TANK FARM CASCADE

U.S. DEPARTMENT OF ENERGY
RICHLAND FIELD OFFICE
ICF KAISER HANFORD

241-BY-104 SINGLE-SHELL TANK
LEVEL HISTORY 1950 TO 1993
SOUND/NON-STABILIZED TANK
WATCH LIST: FERROCYANIDE

SIZE	BLDG NO	DWG NO	DATE
B	241	ES-TKS-E42	6/94
SCALE NONE	JOB NO	SHEET 1 OF 1	



NOTES:

CONSTRUCTED 194_-1949
NOMINAL CAPACITY: 758,000 GAL
DISH BOTTOM, 4 FOOT RADIUS KNUCKLE
75 FOOT DIAMETER TANK
SURFACE LEVEL READING: PHOTO (LIQUIDS), PHOTO & MANUAL TAPE (SOLIDS)

WHC REPORT WHC-EP-0347 SUPPLEMENT
WHC REPORT WHC-EP-0182-(MONTHLY)
WHC REPORT WHC-MR-0132
WHC REPORT SD-WM-TI-356
RHO-CD-0014-(MONTHLY)

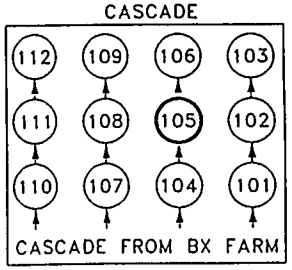
DWG. H-2-1783
DWG H-2-1789

EF: EVAPORATOR FEED
MW: METAL WASTE
EB: EVAPORATOR BOTTOMS
CW: COATING WASTE
TBP: TRI-BUTYL PHOSPHATE
NCPLX: NON-COMPLEXED WASTE
WTR: WASTE WATER

LEGEND

- LIQUID OBSERVATION WELL (LOW)
- LIQUID LEVEL
- LIQUID LEVEL BEST ENGINEERING JUDGEMENT
- SOLIDS LEVEL
- SOLIDS LEVEL BEST ENGINEERING JUDGEMENT

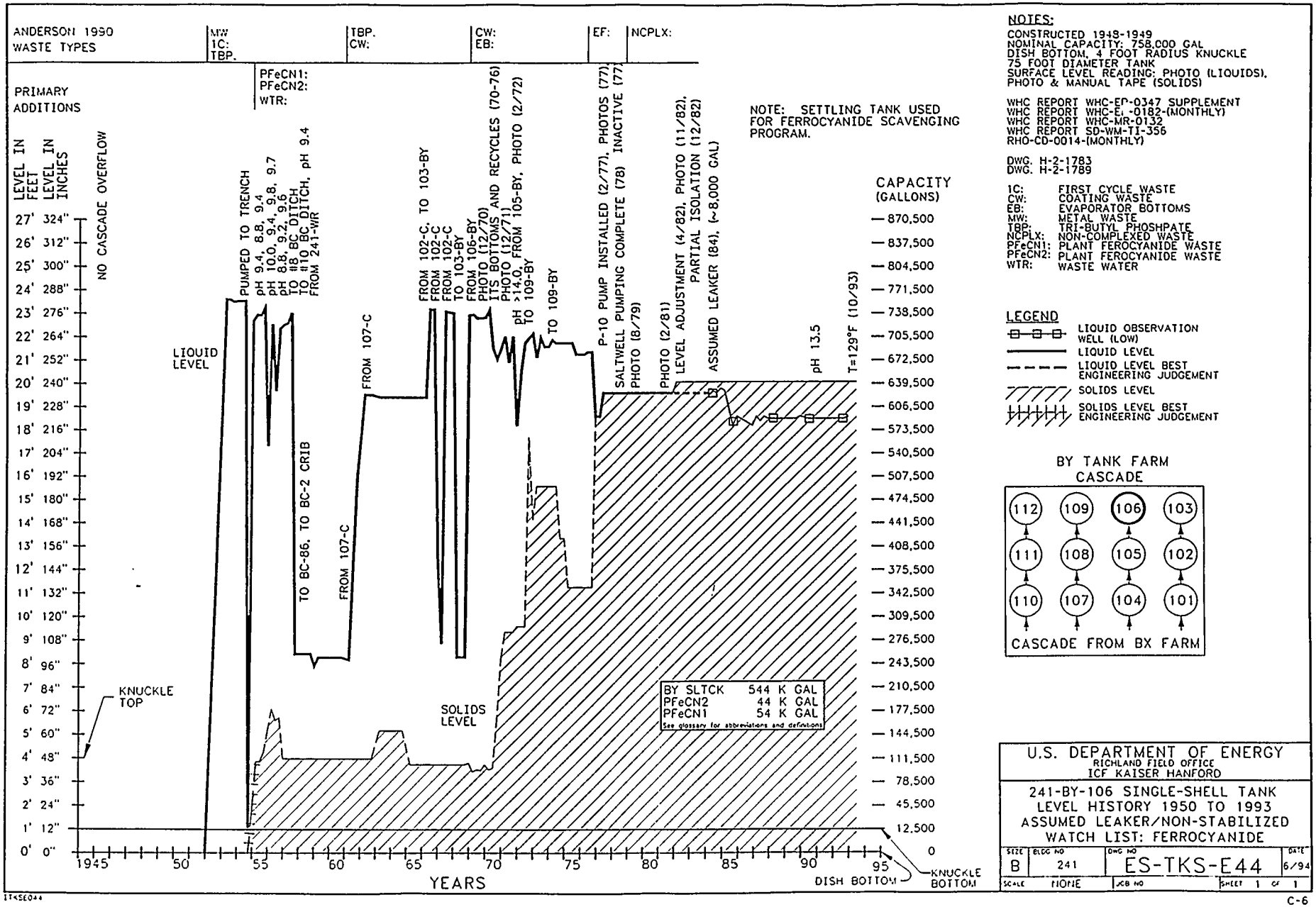
BY TANK FARM CASCADE



U.S. DEPARTMENT OF ENERGY
RICHLAND FIELD OFFICE
ICF KAISER HANFORD

241-BY-105 SINGLE-SHELL TANK
LEVEL HISTORY 1950 TO 1993
ASSUMED LEAKER/NON-STABILIZED
WATCH LIST: FERROCYANIDE

SIZE	BLDG NO	DWG NO	DATE
B	241	ES-TKS-E43	6/94
SCALE NONE	JOB NO	SHEET 1 OF 1	



NOTE: SETTLING TANK USED FOR FERROCYANIDE SCAVENGING PROGRAM.

NOTES:

CONSTRUCTED 1948-1949
NOMINAL CAPACITY: 758,000 GAL
DISH BOTTOM, 4 FOOT RADIUS KNUCKLE
75 FOOT DIAMETER TANK
SURFACE LEVEL READING: PHOTO (LIQUIDS), PHOTO & MANUAL TAPE (SOLIDS)

WHC REPORT WHC-EP-0347 SUPPLEMENT
WHC REPORT WHC-EP-0182-(MONTHLY)
WHC REPORT WHC-MR-0132
WHC REPORT SD-WM-TI-356
RHO-CD-0014-(MONTHLY)

DWG. H-2-1783
DWG. H-2-1789

1C: FIRST CYCLE WASTE
CW: COATING WASTE
EB: EVAPORATOR BOTTOMS
MW: METAL WASTE
TBP: TRI-BUTYL PHOSHPATE
NCPLX: NON-COMPLEXED WASTE
PFeCN1: PLANT FEROCYANIDE WASTE
PFeCN2: PLANT FEROCYANIDE WASTE
WTR: WASTE WATER

LEGEND

- LIQUID OBSERVATION WELL (LOW)
- LIQUID LEVEL
- LIQUID LEVEL BEST ENGINEERING JUDGEMENT
- SOLIDS LEVEL
- SOLIDS LEVEL BEST ENGINEERING JUDGEMENT

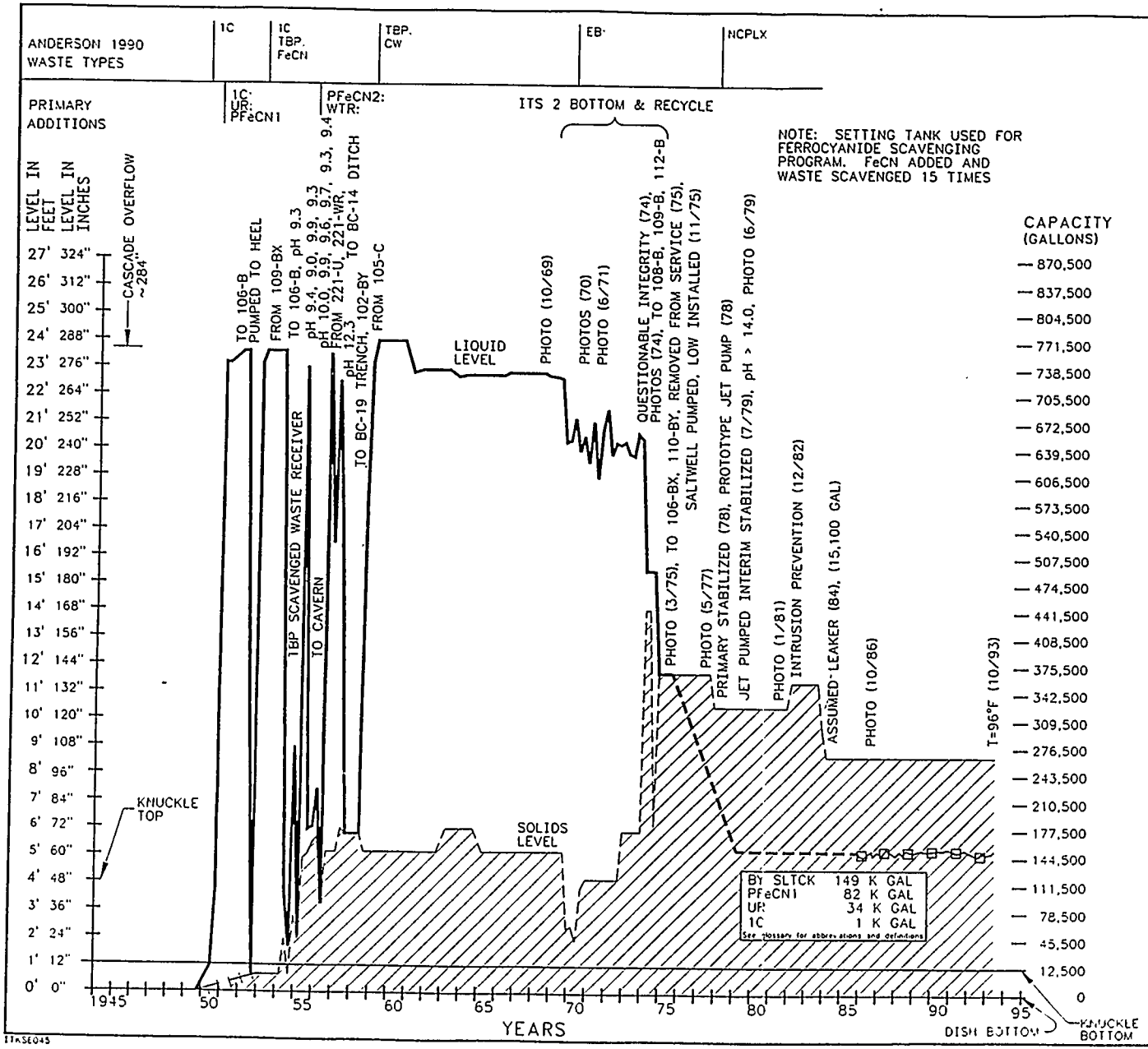
BY TANK FARM CASCADE

U.S. DEPARTMENT OF ENERGY
RICHLAND FIELD OFFICE
ICF KAISER HANFORD

241-BY-106 SINGLE-SHELL TANK
LEVEL HISTORY 1950 TO 1993
ASSUMED LEAKER/NON-STABILIZED
WATCH LIST: FERROCYANIDE

SIZE	BLDG NO	DWG NO	DATE
B	241	ES-TKS-E44	6/94
SCALE NONE		JOB NO	SHEET 1 OF 1

1TKSE044



NOTE: SETTING TANK USED FOR FERROCYANIDE SCAVENGING PROGRAM. FeCN ADDED AND WASTE SCAVENGED 15 TIMES

NOTES:

CONSTRUCTED 1948-1949
NOMINAL CAPACITY: 750,000 GAL
DISH BOTTOM, 4 FOOT RADIUS KNUCKLE
75 FOOT DIAMETER TANK
SURFACE LEVEL READING: PHOTO (LIQUIDS), PHOTO & MANUAL TAPE (SOLIDS)

WHC REPORT WHC-EP-0347 SUPPLEMENT
WHC REPORT WHC-EP-0182-(MONTHLY)
WHC REPORT WHC-MR-0132
WHC REPORT SD-WM-TI-356
RHO-CD-0014-(MONTHLY)

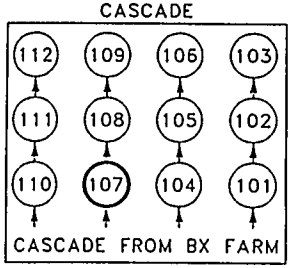
DWG. H-2-1783
DWG. H-2-1789

EF: EVAPORATOR FEED
1C: FIRST CYCLE WASTE
CW: COATING WASTE
EB: EVAPORATOR BOTTOMS
TBP: TRI-BUTYL PHOSPHATE
FeCN: FERROCYANIDE
NCPLX: NON-COMPLEXED WASTE
UR: URANIUM RECOVERY WASTE
PFeCN1: PLANT FEROCYANIDE WASTE
PFeCN2: PLANT FEROCYANIDE WASTE
WTR: WASTE WATER

LEGEND

- LIQUID OBSERVATION WELL (LOW)
- LIQUID LEVEL
- LIQUID LEVEL BEST ENGINEERING JUDGEMENT
- SOLIDS LEVEL
- SOLIDS LEVEL BEST ENGINEERING JUDGEMENT

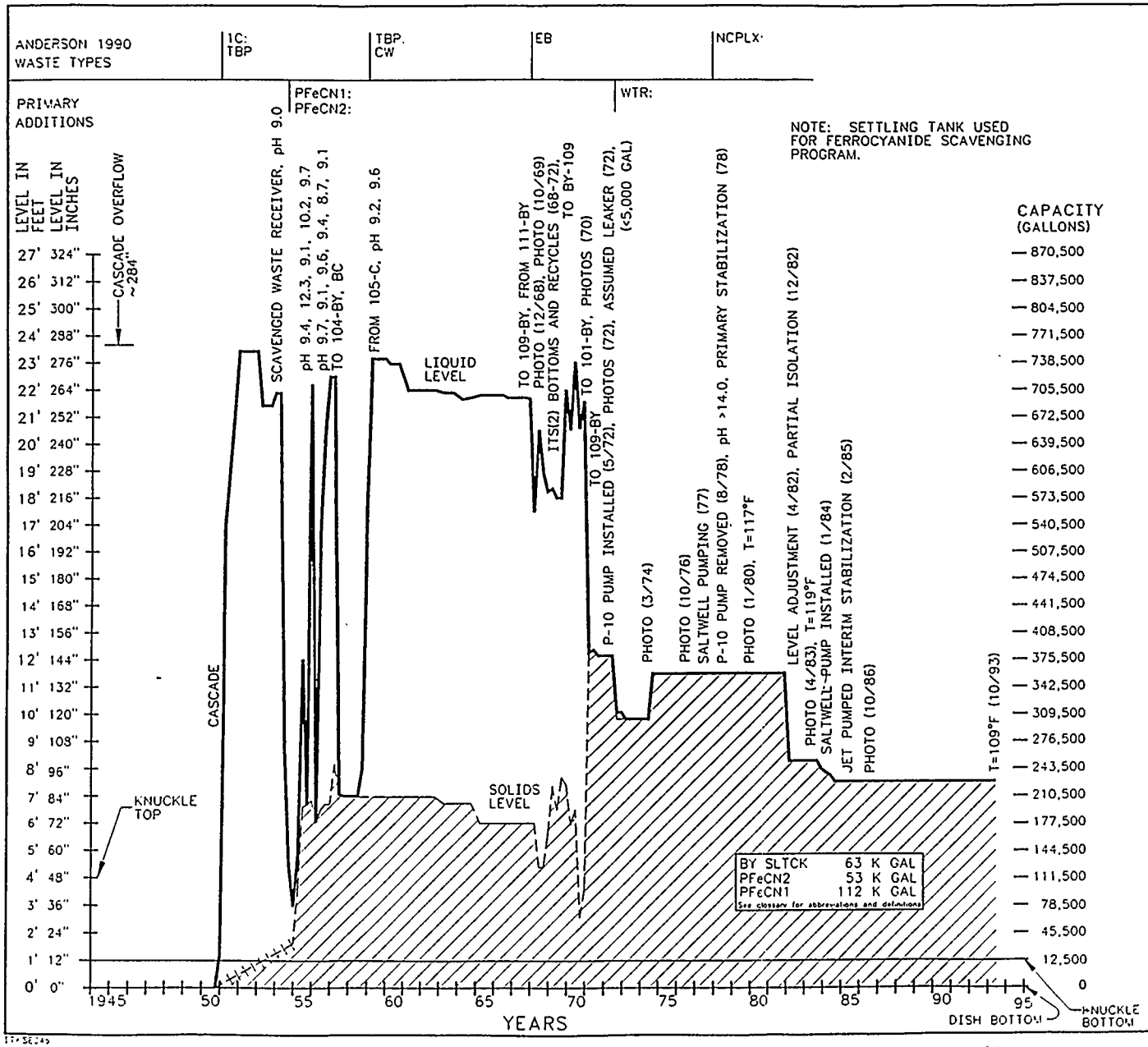
BY TANK FARM CASCADE



U.S. DEPARTMENT OF ENERGY
RICHLAND FIELD OFFICE
ICF KAISER HANFORD

241-BY-107 SINGLE-SHELL TANK LEVEL HISTORY 1950 TO 1993 ASSUMED LEAKER/STABILIZED TANK WATCH LIST: FERROCYANIDE

SIZE	BLDG NO	DWG NO	DATE
B	241	ES-TKS-E45	6/94
SCALE NONE	JOB NO	SHEET 1 OF 1	



NOTE: SETTLING TANK USED FOR FERROCYANIDE SCAVENGING PROGRAM.

NOTES:

CONSTRUCTED 1948-1949
NOMINAL CAPACITY, 758,000 GAL
DISH BOTTOM, 4 FOOT RADIUS KNUCKLE
75 FOOT DIAMETER TANK
SURFACE LEVEL READING: PHOTO & MANUAL TAPE (LIQUIDS), MANUAL TAPE (SOLIDS)

WHC REPORT WHC-EP-0347 SUPPLEMENT
WHC REPORT WHC-EP-0182-(MONTHLY)
WHC REPORT WHC-MR-0132
WHC REPORT SD-WM-TI-356
RHO-CD-0014-(MONTHLY)

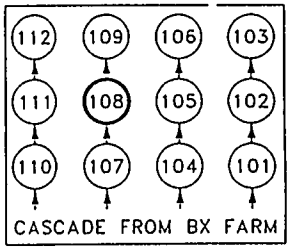
DWG. H-2-1783
DWG H-2-1789

1C: FIRST CYCLE WASTE
CW: COATING WASTE
EB: EVAPORATOR BOTTOMS
TBP: TRI-BUTYL PHOSPHOTE
NCPLX: NON-COMPLEXED WASTE
PFeCN1: PLANT FEROCYANIDE WASTE
PFeCN2: PLANT FEROCYANIDE WASTE
WTR: WASTE WATER

LEGEND

LIQUID OBSERVATION WELL (LOW)
LIQUID LEVEL
SOLIDS LEVEL
SOLIDS LEVEL BEST ENGINEERING JUDGEMENT

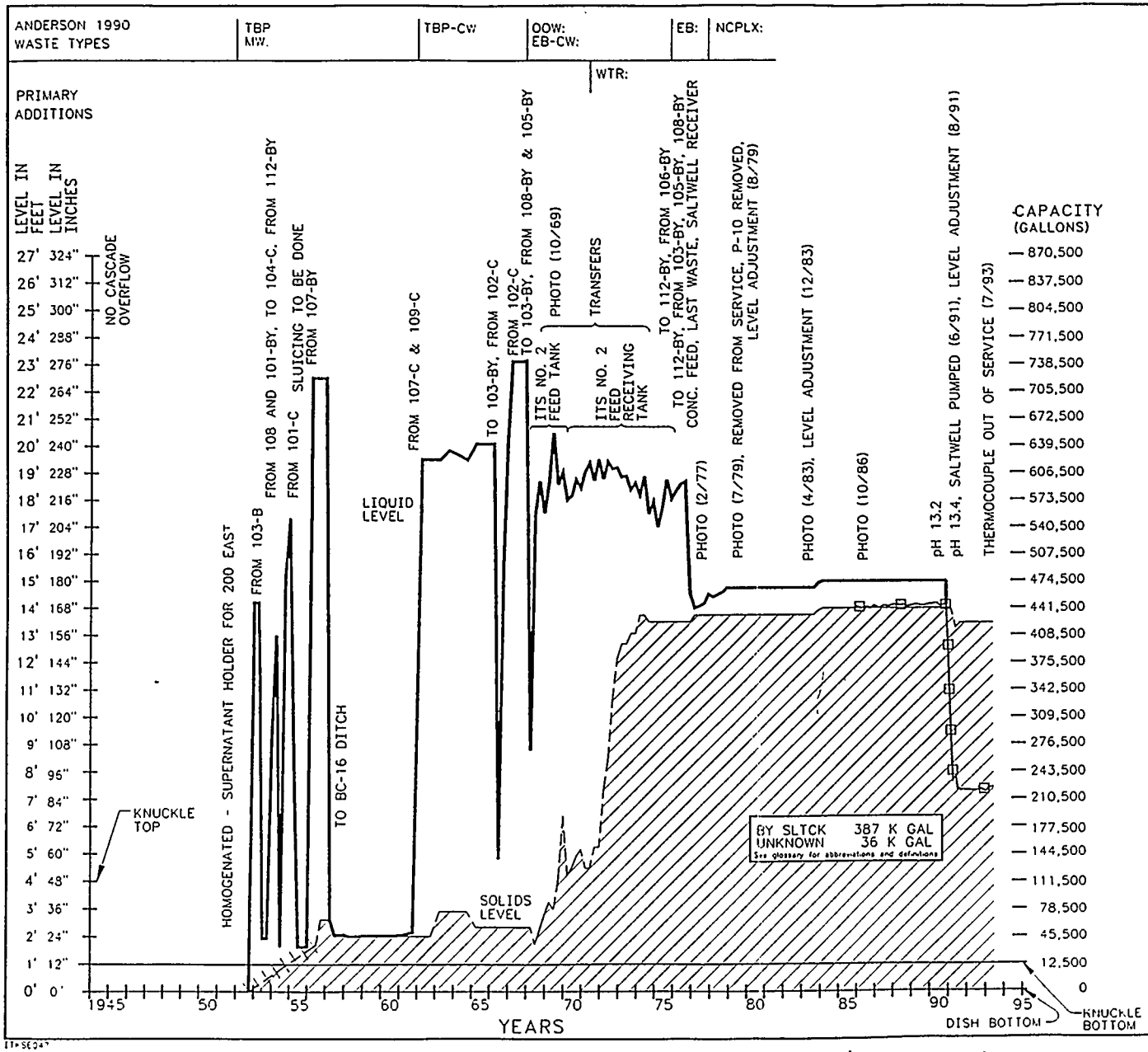
BY TANK FARM CASCADE



U.S. DEPARTMENT OF ENERGY
RICHLAND FIELD OFFICE
ICF KAISER HANFORD

241-BY-108 SINGLE-SHELL TANK
LEVEL HISTORY 1950 TO 1993
ASSUMED LEAKER/STABILIZED TANK
WATCH LIST: FERROCYANIDE

SIZE	BLDG NO	DWG NO	DATE
B	241	ES-TKS-E46	6/94
SCALE NONE	JOB NO	SHEET 1 OF 1	



NOTES:

CONSTRUCTED 1948-1949
NOMINAL CAPACITY: 758,000 GAL
DISH BOTTOM, 4 FOOT RADIUS KNUCKLE
75 FOOT DIAMETER TANK
SURFACE LEVEL READING: FIC GAUGE (LIQUIDS), PHOTO & SLUDGE MEASUREMENT DEVICE (SOLIDS)

WHC REPORT WHC-EP-0347 SUPPLEMENT
WHC REPORT WHC-EP-0182-(MONTHLY)
WHC REPORT WHC-MR-0132
WHC REPORT SD-WM-TI-356
RHO-CD-0014-(MONTHLY)

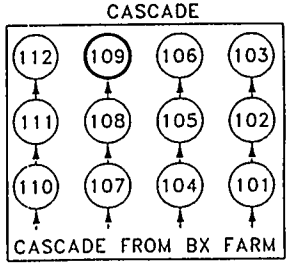
DWG. H-2-1783
DWG. H-2-1789

1C. FIRST CYCLE WASTE
CW: COATING WASTE
EB. EVAPORATOR BOTTOMS
TBP: TRI-BUTYL PHOSPHATE
MW: METAL WASTE
OWW: ORGANIC WASH WASTE
NCPLX. NON-COMPLEXED WASTE
WTR: WASTE WATER

LEGEND

- LIQUID OBSERVATION WELL (LOW)
- LIQUID LEVEL
- LIQUID LEVEL BEST ENGINEERING JUDGEMENT
- SOLIDS LEVEL
- SOLIDS LEVEL BEST ENGINEERING JUDGEMENT

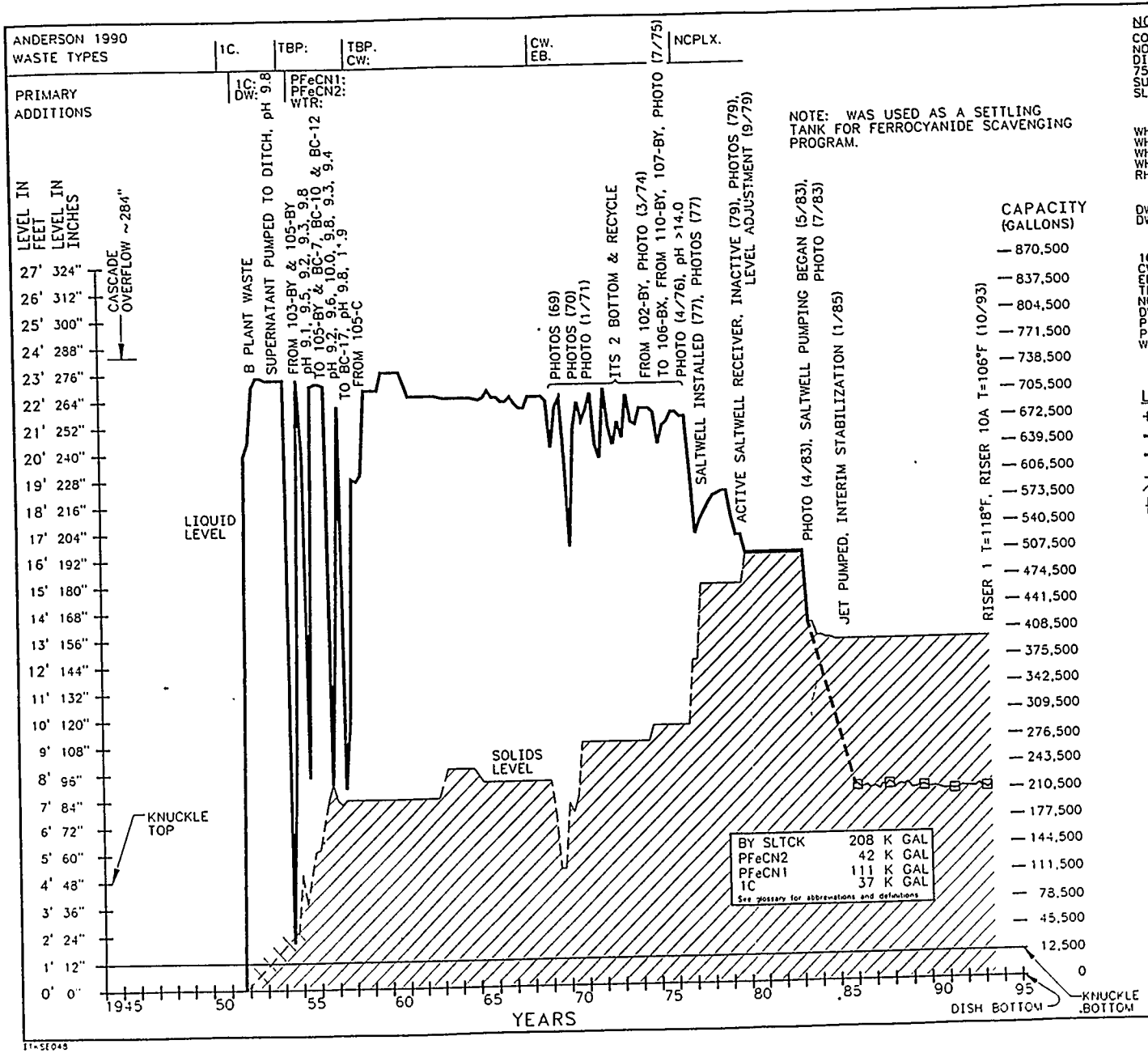
BY TANK FARM CASCADE



U.S. DEPARTMENT OF ENERGY
RICHLAND FIELD OFFICE
ICF KAISER HANFORD

241-BY-109 SINGLE-SHELL TANK
LEVEL HISTORY 1950 TO 1993
SOUND/NON-STABILIZED TANK
WATCH LIST: N/A

SIZE	BLDG NO	DWG NO	DATE
B	241	ES-TKS-E47	6/94
SCALE NONE	JOB NO	SHEET 1 OF 1	



NOTES:

CONSTRUCTED 1948-1949
NOMINAL CAPACITY, 758,000 GAL
DISH BOTTOM, 4 FOOT RADIUS KNUCKLE
75 FOOT DIAMETER TANK
SURFACE LEVEL READING: MANUAL TAPE (LIQUIDS), SLUDGE MEASUREMENT DEVICE (SOLIDS)

WHC REPORT WHC-EP-0347 SUPPLEMENT
WHC REPORT WHC-EP-0182-(MONTHLY)
WHC REPORT WHC-MR-0132
WHC REPORT SD-WM-TI-356
RHO-CD-0014-(MONTHLY)

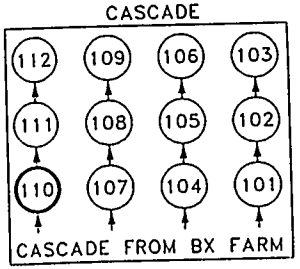
DWG. H-2-1783
DWG. H-2-1789

1C: FIRST CYCLE WASTE
CW: COATING WASTE
EB: EVAPORATOR BOTTOMS
TBP: TRI-BUTYL PHOSPHATE
NCPLX: NON-COMPLEXED WASTE
DW: DECONTAMINATION WASTE
PFeCN1: PLANT FEROCYANIDE WASTE
PFeCN2: PLANT FEROCYANIDE WASTE
WTR: WASTE WATER

LEGEND

- LIQUID OBSERVATION WELL (LOW)
- LIQUID LEVEL
- LIQUID LEVEL BEST ENGINEERING JUDGEMENT
- SOLIDS LEVEL
- SOLIDS LEVEL BEST ENGINEERING JUDGEMENT

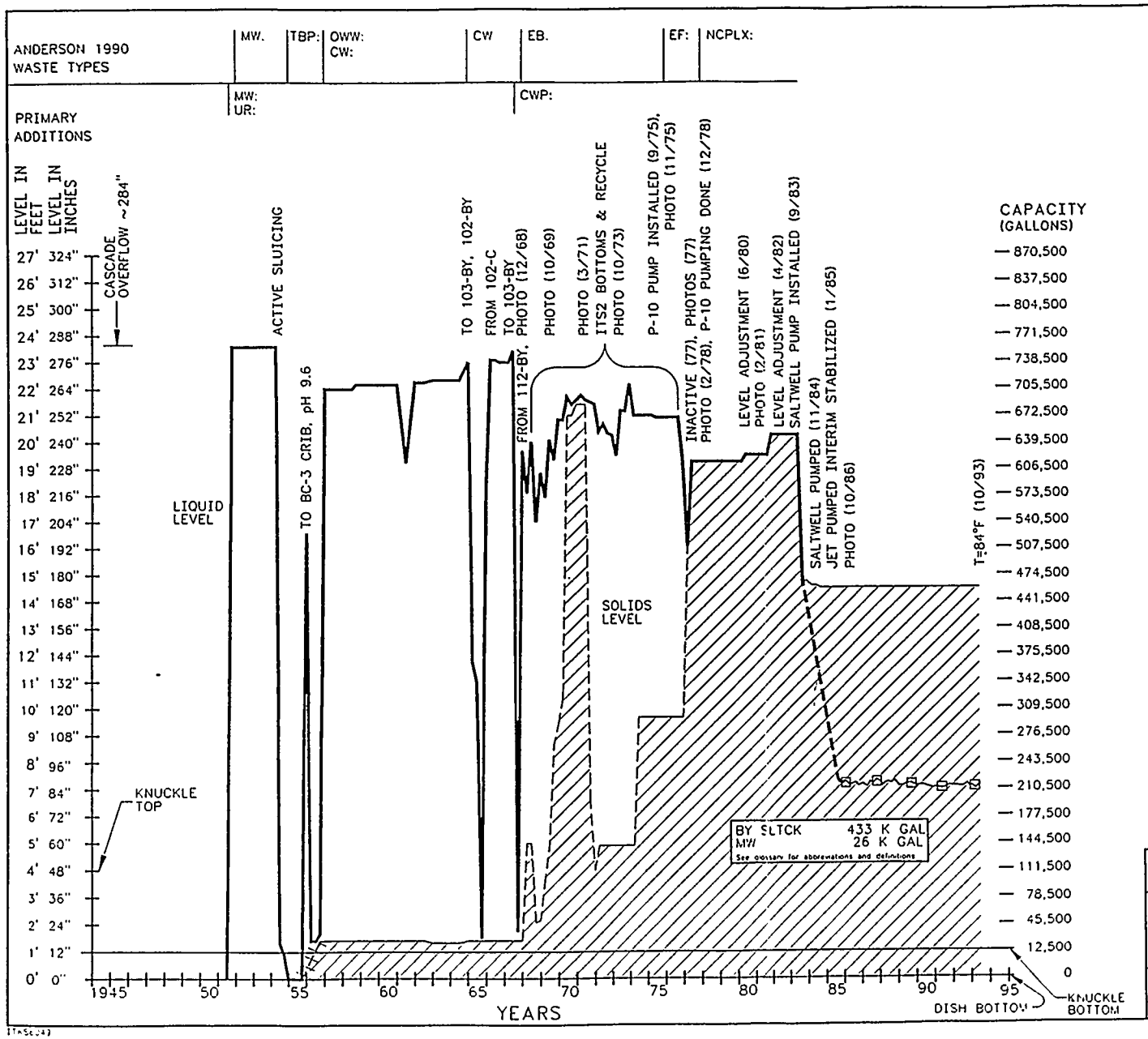
BY TANK FARM CASCADE



U.S. DEPARTMENT OF ENERGY
RICHLAND FIELD OFFICE
ICF KAISER HANFORD

241-BY-110 SINGLE-SHELL TANK
LEVEL HISTORY 1950 TO 1993
SOUND/STABILIZED TANK
WATCH LIST: FERROCYANIDE

SIZE	BLDG NO	DWG NO	DATE
B	241	ES-TKS-E48	6/94
SCALE NONE	JOB NO	SHEET 1 OF 1	



NOTES:

CONSTRUCTED 1948-1949
NOMINAL CAPACITY: 758,000 GAL
DISH BOTTOM, 4 FOOT RADIUS KNUCKLE
75 FOOT DIAMETER TANK
SURFACE LEVEL READING: PHOTO EVALUATION (LIQUIDS), MANUAL TAPE (SOLIDS)

WHC REPORT WHC-EP-0347 SUPPLEMENT
WHC REPORT WHC-EP-0182-(MONTHLY)
WHC REPORT WHC-MR-0132
WHC REPORT SD-WM-TI-356
RHO-CD-0014-(MONTHLY)

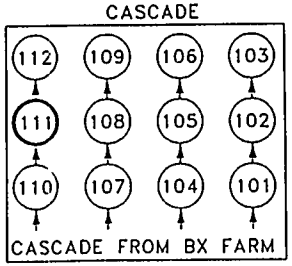
DWG. H-2-1783
DWG H-2-1789

CW: COATING WASTE
EB: EVAPORATOR BOTTOMS
TBP: TRI-BUTYL PHOSPHATE
MW: METAL WASTE
OWW: ORGANIC WASH WASTE
EF: EVAPORATOR FEED
NCPLX: NON-COMPLEXED WASTE
ITS: IN TANK SOLIDIFICATION
UR: URANIUM RECOVERY WASTE
CWP: CLADDING WASTE-PUREX

LEGEND

- LIQUID OBSERVATION WELL (LOW)
- LIQUID LEVEL
- LIQUID LEVEL BEST ENGINEERING JUDGEMENT
- SOLIDS LEVEL
- SOLIDS LEVEL BEST ENGINEERING JUDGEMENT

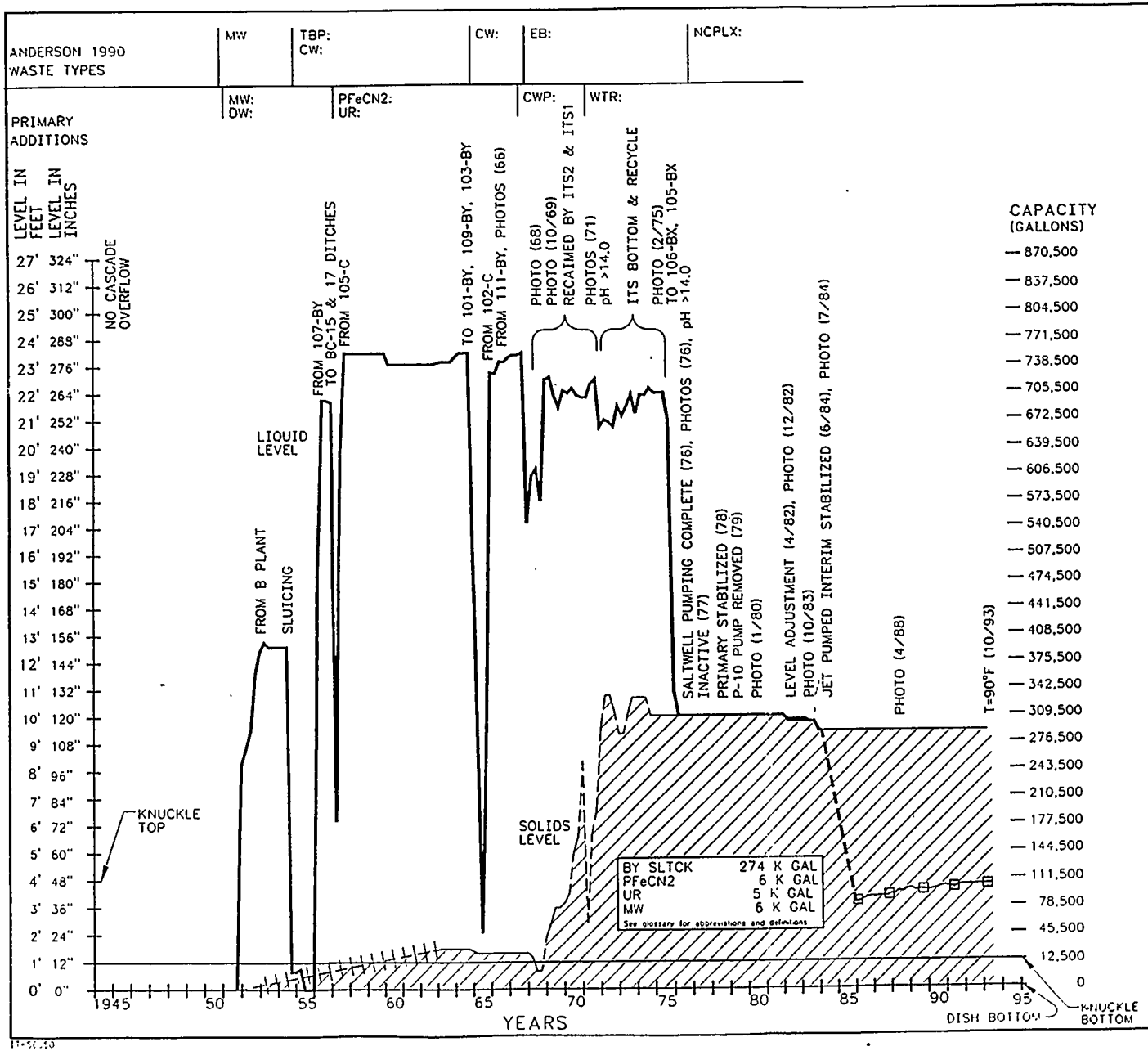
BY TANK FARM CASCADE



U.S. DEPARTMENT OF ENERGY
RICHLAND FIELD OFFICE
ICF KAISER HANFORD

241-BY-111 SINGLE-SHELL TANK
LEVEL HISTORY 1950 TO 1993
SOUND/STABILIZED TANK
WATCH LIST: FERROCYANIDE

SIZE	BLDG NO	DWG NO	DATE
B	241	ES-TKS-E49	6/94
SCALE NONE	JOB NO	SHEET 1 OF 1	



NOTES:

CONSTRUCTED 1948-1949
NOMINAL CAPACITY: 758,000 GAL
DISH BOTTOM, 4 FOOT RADIUS KNUCKLE,
75 FOOT DIAMETER TANK
SURFACE LEVEL READING: PHOTO EVALUATION (LIQUIDS), MANUAL TAPE (SOLIDS)

WHC REPORT WHC-EP-0347 SUPPLEMENT
WHC REPORT WHC-EP-0182-(MONTHLY)
WHC REPORT WHC-MR-0132
WHC REPORT SD-WM-TI-356
RHO-CD-0014-(MONTHLY)

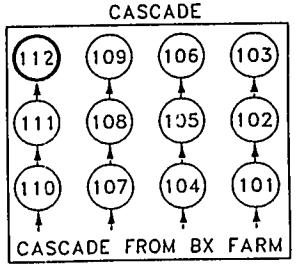
DWG. H-2-1783
DWG. H-2-1789

CW: COATING WASTE
EB: EVAPORATOR BOTTOMS
TBP: TRI-BUYUL PHOSPHATE
MW: METAL WASTE
NCPLX: NON-COMPLEXED WASTE
DW: DECONTAMINATION WASTE
PFeCN2: PLANT FEROCYANIDE WASTE
UR: URANIUM RECOVERY WASTE
CWP: CLADDING WASTE-PUREX
WTR: WASTE WATER

LEGEND

- LIQUID OBSERVATION WELL (LOW)
- LIQUID LEVEL
- LIQUID LEVEL BEST ENGINEERING JUDGEMENT
- SOLIDS LEVEL
- SOLIDS LEVEL BEST ENGINEERING JUDGEMENT

BY TANK FARM CASCADE



U.S. DEPARTMENT OF ENERGY
RICHLAND FIELD OFFICE
ICF KAISER HANFORD

241-BY-112 SINGLE-SHELL TANK
LEVEL HISTORY 1950 TO 1993
SOUND/STABILIZED TANK
WATCH LIST: FERROCYANIDE

SIZE	BLDG NO	DWG NO	DATE
B	241	ES-TKS-E50	6/94
SCALE NONE	JOB NO	SHEET 1 OF 1	

241-BY-101 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
1-1950	290	113			
2	661	248			
3	744	278			
4	744	278			
1-1951	744	278			
2	744	278			
3					
4					
1-1952	758	283			
2	758	283			
3	758	283			
4	758	283			
1-1953	758	283			
2	758	283			
3	758	283			
4	758	283			
1-1954	1	8			
2					
3					
4					
1-1955	681	255			
2	750	280			
3	750	280			
4	750	280			
1-1956	750	280			
2	750	280			
3	750	280			
4	750	280			
1-1957	717	268			
2	262	103			
3	40	22			
4	40	22			
1-1958	40	22			
2	59	29			
3	59	29			
4	59	29			
1-1959	59	29			
2	59	29			
3	59	29			
4	60	29			
1-1960	60	29			
2	60	29			
3	60	29			
4	394	151			
1-1961					
2	483	183			

241-BY-101 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
3					
4	728	272			
1-1962					
2	728	272			
3					
4	728	272			
1-1963					
2	730	273	37	21	
3					
4	741	277	37	21	
1-1964					
2	744	278	37	21	
3					
4	744	278	37	21	
1-1965					
2	582	219	0	0	
3	601	226			
4	541	204			
1-1966	590	222			
2	612	230			
3	585	220	0	0	
4	409	156	0	0	
1-1967	409	156	0	0	
2	407	155	0	0	
3	407	155	109	47	
4	406	155	376	144	
1-1968	406	155	378	145	
2	406	155	378	145	
3	407	155	378	145	
4	407	155	29	18	
1-1969	407	155	281	110	
2	407	155	274	107	
3	739	276	310	120	
4	737	275	332	128	
1-1970	737	275	337	130	
2	744	278	337	130	
3	743	278	337	130	
4	747	279	340	131	
1-1971	745	278	340	131	
2	733	274	386	148	
3	736	275	386	148	
4	737	275	398	152	
1-1972	737	275	398	152	
2	739	276	398	152	
3	740	277	418	159	
4	734	274	418	159	

241-BY-101 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
1-1973	738	276	418	159	
2	737	275	418	159	
3	738	276	418	159	
4	739	276	418	159	
1-1974	740	277	418	159	
2	746	279	418	159	
3	748	279	418	159	
4	747	279	398	152	
1-1975	747	279	398	152	
2	728	272	398	152	
3	728	272	398	152	
4	728	272	398	152	
1-1976	728	272	398	152	
2	728	272	398	152	
3	733	274	398	152	
4	579	218	398	152	
1-1977	458	174	398	152	
2	447	170	439	167	
3	447	170	439	167	
4	447	170	439	167	
1-1978	450	171	439	167	
2	450	171	439	167	
3	447	170	439	167	
4	447	170	439	167	
1-1979	447	170	439	167	
2	447	170	439	167	
3	447	170	439	167	
4	447	170	439	167	
1-1980	447	170	439	167	
2	447	170	439	167	
3	447	170	439	167	
4	443	169	439	167	
1-1981	443	169	439	167	
2	443	169	439	167	
3	443	169	439	167	
4	443	169	439	167	
1-1982	443	169	439	167	
2	425	162	425	162	
3	425	162	425	162	
4	425	162	425	162	
1-1983	425	162	425	162	
2	425	162	425	162	
3	425	162	425	162	
4	425	162	425	162	
1-1984	387	148	387	148	
2	387	148	387	148	

241-BY-101 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
3	387	148	387	148	
4	387	148	387	148	
1-1985	387	148	387	148	
2	387	148	387	148	
3	387	148	387	148	
4	387	148	387	148	
1-1986	387	148	387	148	
2	387	148	387	148	
3	387	148	387	148	
4	387	148	387	148	
1-1987	387	148	387	148	
2	387	148	387	148	58
3	387	148	387	148	58
4	387	148	387	148	60
1-1988	387	148	387	148	59
2	387	148	387	148	61
3	387	148	387	148	63
4	387	148	387	148	64
1-1989	387	148	387	148	63
2	387	148	387	148	64
3	387	148	387	148	65
4	387	148	387	148	65
1-1990	387	148	387	148	65
2	387	148	387	148	
3	387	148	387	148	66
4	387	148	387	148	67
1-1991	387	148	387	148	67
2	387	148	387	148	68
3	387	148	387	148	69
4	387	148	387	148	69
1-1992	387	148	387	148	69
2	387	148	387	148	
3	387	148	387	148	
4	387	148	387	148	70
1-1993	387	148	387	148	70
2	387	148	387	148	70
3					69
4					70

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
1-1950					
2					
3	480	182			
4	744	278			
1-1951	744	278			
2	744	278			
3					
4					
1-1952	758	283			
2	758	283			
3	758	283			
4	758	283			
1-1953	758	283			
2	758	283			
3	758	283			
4	758	283			
1-1954	497	188			
2	0	0			
3					
4					
1-1955	326	126			
2	720	269			
3	720	269			
4	720	269			
1-1956	720	269			
2	720	269			
3	720	269			
4	720	269			
1-1957	722	270			
2	488	185			
3	400	153	18	14	
4	43	23	18	14	
1-1958	43	23	18	14	
2	43	23	18	14	
3	43	23	18	14	
4	43	23	18	14	
1-1959	43	23	18	14	
2	46	24	18	14	
3	46	24	18	14	
4	46	24	18	14	
1-1960	46	24	18	14	
2	48	25			
3	48	25			
4	48	25			
1-1961					
2	48	25			

241-BY-102 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
3					
4	51	26	18	14	
1-1962					
2	51	26	18	14	
3					
4	54	27	18	14	
1-1963					
2	48	25	29	18	
3					
4	48	25	29	18	
1-1964					
2	48	25	29	18	
3					
4	442	168	29	18	
1-1965					
2	700	262	0	0	
3	728	272	0	0	
4	728	272	0	0	
1-1966	730	273	0	0	
2	733	274	0	0	
3	733	274	0	0	
4	722	270	0	0	
1-1967	631	237	0	0	
2	593	223	0	0	
3	597	225	0	0	
4	608	229	0	0	
1-1968	561	211	0	0	
2	593	223	0	0	
3	601	226	314	122	
4	578	218	250	98	
1-1969	510	193	250	98	
2	590	222	250	98	
3	607	228	250	98	
4	583	219	250	98	
1-1970	630	237	250	98	
2	596	224	250	98	
3	639	240	250	98	
4	530	200	250	98	
1-1971	601	226	250	98	
2	637	239	155	64	
3	623	234	155	64	
4	579	218	155	64	
1-1972	630	237	197	79	
2	618	232	197	79	
3	609	229	197	79	
4	590	222	246	97	

241-BY-102 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
1-1973	590	222	194	78	
2	631	237	194	78	
3	637	239	194	78	
4	635	238	208	83	
1-1974	630	237	208	83	
2	629	236	208	83	
3	628	236	208	83	
4	629	236	200	80	
1-1975	629	236	200	80	
2	629	236	200	80	
3	629	236	200	80	
4	629	236	200	80	
1-1976	629	236	200	80	
2	626	235	200	80	
3	626	235	200	80	
4	626	235	200	80	
1-1977	593	223	200	80	
2	450	171	233	92	
3	436	166	436	166	
4	436	166	436	166	
1-1978	436	166	436	166	
2	417	159	417	159	
3	417	159	417	159	
4	417	159	417	159	
1-1979	417	159	417	159	
2	417	159	417	159	
3	417	159	417	159	
4	417	159	417	159	
1-1980	417	159	417	159	
2	417	159	417	159	
3	417	159	417	159	
4	417	159	417	159	
1-1981	417	159	417	159	
2	417	159	417	159	
3	417	159	417	159	
4	417	159	417	159	
1-1982	417	159	417	159	
2	440	167	425	162	
3	440	167	425	162	
4	440	167	425	162	
1-1983	440	167	425	162	
2	440	167	425	162	
3	440	167	425	162	
4	440	167	425	162	
1-1984	432	165	417	159	
2	432	165	417	159	

241-BY-102 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
3	432	165	417	159	
4	432	165	417	159	
1-1985	433	165	417	159	
2	432	165	417	159	
3	432	165	417	159	
4	432	165	417	159	
1-1986	432	165	417	159	168
2	432	165	417	159	169
3	432	165	417	159	167
4	432	165	417	159	168
1-1987	432	165	417	159	168
2	432	165	417	159	169
3	432	165	417	159	168
4	432	165	417	159	169
1-1988	432	165	417	159	169
2	432	165	417	159	169
3	432	165	417	159	169
4	432	165	417	159	169
1-1989	432	165	417	159	169
2	432	165	417	159	169
3	432	165	417	159	169
4	432	165	417	159	169
1-1990	432	165	417	159	169
2	432	165	417	159	
3	432	165	417	159	170
4	432	165	417	159	169
1-1991	432	165	417	159	170
2	405	155	405	155	
3	341	131	341	131	93
4	341	131	341	131	87
1-1992	341	131	341	131	88
2	341	131	341	131	
3	341	131	341	131	
4	341	131	341	131	87
1-1993	341	131	341	131	88
2	341	131	341	131	89
3					89
4					

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
1-1950					
2					
3					
4	429	163			
1-1951	744	278			
2	744	278			
3					
4					
1-1952	664	249			
2	664	249			
3	664	249			
4	664	249			
1-1953	664	249			
2	745	278			
3	745	278			
4	745	278			
1-1954	382	146			
2					
3					
4					
1-1955	128	54			
2	739	276			
3	739	276			
4	739	276			
1-1956	739	276			
2	739	276			
3	739	276			
4	739	276			
1-1957	732	274			
2	733	274			
3	26	17			
4	447	170			
1-1958	736	275			
2	730	273			
3	730	273			
4	730	273			
1-1959	728	272			
2	722	270			
3	722	270			
4	722	270			
1-1960	722	270			
2	722	270			
3	722	270			
4	722	270			
1-1961					
2	722	270			

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
3					
4	736	275			
1-1962					
2	725	271			
3					
4	725	271			
1-1963					
2	722	270	21	15	
3					
4	722	270	21	15	
1-1964					
2	714	267	21	15	
3					
4	739	276	21	15	
1-1965					
2	596	224	0	0	
3	703	263	0	0	
4	494	187	0	0	
1-1966	519	196	0	0	
2	590	222	0	0	
3	662	248	0	0	
4	739	276	0	0	
1-1967	541	204	0	0	
2	615	231	0	0	
3	526	199	0	0	
4	526	199	0	0	
1-1968	569	214	0	0	
2	569	214	0	0	
3	456	173	0	0	
4	519	196	0	0	
1-1969	213	85	0	0	
2	566	213	0	0	
3	483	183	1	8	
4	542	205	8	10	
1-1970	239	94	3	9	
2	442	168	4	9	
3	439	167	4	9	
4	700	262	9	11	
1-1971	711	266	65	31	
2	689	258	128	54	
3	714	267	142	59	
4	398	152	202	81	
1-1972	443	169	298	116	
2	454	173	351	135	
3	620	233	428	163	
4	476	181	48	25	

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
1-1973	469	178	469	178	
2	483	183	469	178	
3	461	175	458	174	
4	464	176	458	174	
1-1974	464	176	458	174	
2	464	176	458	174	
3	469	178	469	178	
4	461	175	461	175	
1-1975	461	175	461	175	
2	461	175	461	175	
3	461	175	461	175	
4	461	175	461	175	
1-1976	461	175	461	175	
2	461	175	461	175	
3	461	175	461	175	
4	461	175	461	175	
1-1977	461	175	461	175	
2	461	175	461	175	
3	461	175	461	175	
4	461	175	461	175	
1-1978	461	175	461	175	
2	461	175	461	175	
3	461	175	461	175	
4	461	175	461	175	
1-1979	461	175	461	175	
2	461	175	461	175	
3	461	175	461	175	
4	461	175	461	175	
1-1980	461	175	461	175	
2	461	175	461	175	
3	461	175	461	175	
4	461	175	458	174	
1-1981	461	175	458	174	
2	461	175	458	174	
3	461	175	458	174	
4	470	178	458	174	
1-1982	470	178	458	174	
2	467	177	459	174	
3	467	177	459	174	
4	467	177	459	174	
1-1983	467	177	459	174	
2	467	177	459	174	
3	467	177	459	174	
4	467	177	459	174	
1-1984	472	179	464	176	
2	472	179	464	176	

241-BY-103 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
3	472	179	464	176	
4	472	179	464	176	
1-1985	472	179	464	176	
2	472	179	464	176	
3	472	179	464	176	
4	472	179	464	176	
1-1986	472	179	464	176	181
2	472	179	464	176	181
3	472	179	464	176	181
4	472	179	464	176	181
1-1987	472	179	464	176	182
2	418	159	418	159	150
3	419	160	419	160	144
4	410	157	410	157	144
1-1988	410	157	410	157	143
2	410	157	410	157	142
3	410	157	410	157	141
4	410	157	410	157	141
1-1989	410	157	410	157	141
2	410	157	410	157	142
3	410	157	410	157	141
4	410	157	410	157	142
1-1990	400	153	400	153	142
2	400	153	400	153	142
3	400	153	400	153	141
4	400	153	400	153	142
1-1991	400	153	400	153	143
2	400	153	400	153	143
3	400	153	400	153	142
4	400	153	400	153	142
1-1992	400	153	400	153	142
2	400	153	400	153	
3	400	153	400	153	
4	400	153	400	153	141
1-1993	400	153	400	153	139
2	400	153	400	153	142
3					142
4					

241-BY-104 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
1-1950	11	11			
2	11	11			
3	11	11			
4	11	11			
1-1951	200	80			
2	744	278			
3					
4					
1-1952	758	283			
2	758	283			
3	758	283			
4	758	283			
1-1953	758	283			
2	758	283			
3	758	283			
4	758	283			
1-1954	758	283			
2					
3					
4					
1-1955					
2	112	48			
3	714	267			
4	78	36			
1-1956	78	36			
2	78	36			
3	403	154	303	118	
4	546	206	323	125	
1-1957	563	212	323	125	
2	571	215	277	108	
3	598	225	244	96	
4	574	216	244	96	
1-1958	574	216	244	96	
2	574	216	244	96	
3	574	216	244	96	
4	571	215	244	96	
1-1959	571	215	244	96	
2	571	215	244	96	
3	567	214	244	96	
4	567	214	244	96	
1-1960	567	214	244	96	
2	563	212	244	96	
3	563	212	244	96	
4	563	212	244	96	
1-1961					
2	565	213	244	96	

241-BY-104 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
3					
4	703	263	244	96	
1-1962					
2	717	268	244	96	
3					
4	717	268	244	96	
1-1963					
2	714	267	263	103	
3					
4	714	267	263	103	
1-1964					
2	714	267	263	103	
3					
4	714	267	263	103	
1-1965					
2	717	268	227	90	
3	717	268	227	90	
4	717	268	227	90	
1-1966	717	268	227	90	
2	717	268	227	90	
3	717	268	227	90	
4	719	269	227	90	
1-1967	719	269	227	90	
2	205	82	205	82	
3	249	98	244	96	
4	653	245	244	96	
1-1968	730	273	244	96	
2	546	206	212	85	
3	741	277	244	96	
4	741	277	244	96	
1-1969	741	277	244	96	
2	741	277	233	92	
3	740	277	244	96	
4	748	279	240	95	
1-1970	211	84	206	82	
2	579	218	44	23	
3	623	234	112	48	
4	664	249	131	55	
1-1971	677	254	150	62	
2	701	262	150	62	
3	662	248	425	162	
4	662	248	618	232	
1-1972	662	248	618	232	
2	670	251	618	232	
3	664	249	310	120	
4	707	265	310	120	

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
1-1973	668	250	469	178	
2	693	259	469	178	
3	697	261	469	178	
4	657	246	628	236	
1-1974	718	269	469	178	
2	719	269	469	178	
3	718	269	469	178	
4	717	268	469	178	
1-1975	717	268	469	178	
2	717	268	469	178	
3	717	268	469	178	
4	717	268	469	178	
1-1976	717	268	469	178	
2	717	268	469	178	
3	719	269	469	178	
4	670	251	469	178	
1-1977	634	238	469	178	
2	634	238	469	178	
3	631	237	623	234	
4	631	237	623	234	
1-1978	634	238	623	234	
2	634	238	623	234	
3	634	238	623	234	
4	634	238	623	234	
1-1979	634	238	623	234	
2	634	238	623	234	
3	634	238	623	234	
4	634	238	623	234	
1-1980	634	238	623	234	
2	634	238	623	234	
3	634	238	623	234	
4	634	238	623	234	
1-1981	634	238	623	234	
2	634	238	623	234	
3	634	238	623	234	
4	634	238	623	234	
1-1982	634	238	623	234	
2	634	238	634	238	
3	634	238	634	238	
4	634	238	634	238	
1-1983	634	238	634	238	
2	634	238	634	238	
3	435	166	435	166	
4	435	166	435	166	
1-1984	407	155	407	155	
2	407	155	407	155	

241-BY-104 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
3	406	155	406	155	
4	406	155	406	155	
1-1985	406	155	406	155	
2	406	155	406	155	
3	406	155	406	155	
4	406	155	406	155	
1-1986	406	155	406	155	81
2	406	155	406	155	83
3	406	155	406	155	81
4	406	155	406	155	84
1-1987	406	155	406	155	84
2	406	155	406	155	85
3	406	155	406	155	83
4	406	155	406	155	82
1-1988	406	155	406	155	84
2	406	155	406	155	85
3	406	155	406	155	84
4	406	155	406	155	85
1-1989	406	155	406	155	85
2	406	155	406	155	85
3	406	155	406	155	87
4	406	155	406	155	85
1-1990	406	155	406	155	86
2	406	155	406	155	
3	406	155	406	155	85
4	406	155	406	155	88
1-1991	406	155	406	155	87
2	406	155	406	155	86
3	406	155	406	155	87
4	406	155	406	155	87
1-1992	406	155	406	155	86
2	406	155	406	155	
3	406	155	406	155	
4	406	155	406	155	87
1-1993	406	155	406	155	87
2	406	155	406	155	87
3					86
4					87

241-BY-105 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
1-1950					
2					
3					
4					
1-1951					
2	20	15			
3					
4					
1-1952	491	186			
2	491	186			
3	491	186			
4	491	186			
1-1953	491	186			
2	495	187			
3	497	188			
4	497	188			
1-1954	497	188			
2	497	188			
3	1	8			
4	399	153	14	13	
1-1955	222	88	16	13	
2	222	88	16	13	
3	260	102	16	13	
4	371	142	16	13	
1-1956	551	208	350	135	
2	708	265	384	147	
3	403	154	384	147	
4	706	264	384	147	
1-1957	706	264	384	147	
2	409	156	384	147	
3	417	159	213	85	
4	428	163	213	85	
1-1958	428	163	213	85	
2	431	164	213	85	
3	431	164	213	85	
4	429	163	213	85	
1-1959	428	163	213	85	
2	428	163	213	85	
3	428	163	213	85	
4	428	163	213	85	
1-1960	428	163	213	85	
2	428	163	213	85	
3	428	163	213	85	
4	428	163	213	85	
1-1961					
2	519	196	213	85	

241-BY-105 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
3					
4	711	266	213	85	
1-1962					
2	711	266	213	85	
3					
4	711	266	213	85	
1-1963					
2	711	266	222	88	
3					
4	711	266	222	88	
1-1964					
2	708	265	222	88	
3					
4	708	265	222	88	
1-1965					
2	711	266	186	75	
3	711	266	186	75	
4	711	266	186	75	
1-1966	711	266	186	75	
2	208	83	186	75	
3	178	72	0	7	
4	326	126	0	7	
1-1967	323	125	0	7	
2	323	125	0	7	
3	326	126	39	22	
4	326	126	88	39	
1-1968	605	227	88	39	
2	495	187	88	39	
3	411	157	158	65	
4	741	277	158	65	
1-1969	670	251	165	67	
2	671	251	153	63	
3	494	187	194	78	
4	675	253	189	76	
1-1970	745	278	191	77	
2	631	237	216	86	
3	722	270	299	116	
4	681	255	299	116	
1-1971	675	253	340	131	
2	668	250	469	178	
3	700	262	469	178	
4	711	266	653	245	
1-1972	678	254	653	245	
2	701	262	653	245	
3	642	241	591	222	
4	664	249	591	222	

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
1-1973	666	250	628	236	
2	666	250	628	236	
3	657	246	628	236	
4	657	246	628	236	
1-1974	656	246	628	236	
2	652	245	628	236	
3	628	236	628	236	
4	626	235	626	235	
1-1975	626	235	626	235	
2	626	235	626	235	
3	626	235	626	235	
4	626	235	626	235	
1-1976	626	235	626	235	
2	626	235	626	235	
3	626	235	626	235	
4	626	235	626	235	
1-1977	626	235	626	235	
2	626	235	626	235	
3	626	235	626	235	
4	626	235	626	235	
1-1978	626	235	626	235	
2	626	235	626	235	
3	626	235	626	235	
4	626	235	626	235	
1-1979	626	235	626	235	
2	626	235	626	235	
3	626	235	626	235	
4	626	235	626	235	
1-1980	626	235	626	235	
2	626	235	626	235	
3	626	235	626	235	
4	626	235	626	235	
1-1981	626	235	626	235	
2	626	235	626	235	
3	626	235	626	235	
4	626	235	626	235	
1-1982	626	235	626	235	
2	546	206	546	206	
3	546	206	546	206	
4	546	206	546	206	
1-1983	546	206	546	206	
2	546	206	546	206	
3	546	206	546	206	
4	546	206	546	206	
1-1984	503	190	503	190	
2	503	190	503	190	

241-BY-105 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
3	503	190	503	190	
4	503	190	503	190	
1-1985	503	190	503	190	
2	503	190	503	190	
3	503	190	503	190	
4	503	190	503	190	
1-1986	503	190	503	190	161
2	503	190	503	190	161
3	503	190	503	190	160
4	503	190	503	190	161
1-1987	503	190	503	190	162
2	503	190	503	190	
3	503	190	503	190	161
4	503	190	503	190	162
1-1988	503	190	503	190	161
2	503	190	503	190	162
3	503	190	503	190	162
4	503	190	503	190	162
1-1989	503	190	503	190	162
2	503	190	503	190	162
3	503	190	503	190	162
4	503	190	503	190	162
1-1990	503	190	503	190	163
2	503	190	503	190	
3	503	190	503	190	163
4	503	190	503	190	164
1-1991	503	190	503	190	165
2	503	190	503	190	165
3	503	190	503	190	164
4	503	190	503	190	164
1-1992	503	190	503	190	166
2	503	190	503	190	
3	503	190	503	190	
4	503	190	503	190	164
1-1993	503	190	503	190	166
2	503	190	503	190	165
3					164
4					

241-BY-106 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
1-1950					
2					
3					
4					
1-1951					
2					
3					
4					
1-1952					
2					
3					
4					
1-1953	0	0			
2	758	283			
3	758	283			
4	755	282			
1-1954	756	282			
2	756	282			
3	756	282			
4	15	13			
1-1955	728	272	40	22	
2	736	275	107	46	
3	736	275	107	46	
4	746	279	120	51	
1-1956	551	208	150	62	
2	723	270	180	73	
3	629	236	164	67	
4	717	268	168	69	
1-1957	722	270	111	48	
2	725	271	111	48	
3	739	276	111	48	
4	257	101	111	48	
1-1958	257	101	111	48	
2	257	101	111	48	
3	257	101	111	48	
4	257	101	111	48	
1-1959	241	95	111	48	
2	252	99	111	48	
3	252	99	111	48	
4	252	99	111	48	
1-1960	252	99	111	48	
2	252	99	111	48	
3	252	99	111	48	
4	252	99	111	48	
1-1961					
2	249	98	111	48	

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
3					
4	505	191	111	48	
1-1962					
2	623	234	111	48	
3					
4	623	234	111	48	
1-1963					
2	620	233	150	62	
3					
4	620	233	150	62	
1-1964					
2	620	233	150	62	
3					
4	620	233	150	62	
1-1965					
2	620	233	103	45	
3	620	233	103	45	
4	620	233	103	45	
1-1966	620	233	103	45	
2	620	233	103	45	
3	744	278	103	45	
4	744	278	103	45	
1-1967	395	151	103	45	
2	272	106	103	45	
3	741	277	103	45	
4	740	277	103	45	
1-1968	739	276	103	45	
2	253	99	103	45	
3	253	99	103	45	
4	253	99	103	45	
1-1969	736	275	105	46	
2	737	275	93	41	
3	732	274	96	42	
4	732	274	95	42	
1-1970	733	274	103	45	
2	743	278	96	42	
3	689	258	98	43	
4	675	253	164	67	
1-1971	689	258	249	98	
2	706	264	288	112	
3	670	251	288	112	
4	706	264	288	112	
1-1972	580	218	296	115	
2	655	246	296	115	
3	697	261	296	115	
4	704	263	563	212	

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
1-1973	710	266	447	170	
2	677	254	494	187	
3	704	263	494	187	
4	692	259	494	187	
1-1974	692	259	494	187	
2	701	262	494	187	
3	697	261	494	187	
4	697	261	420	160	
1-1975	697	261	420	160	
2	697	261	351	135	
3	697	261	351	135	
4	681	255	351	135	
1-1976	681	255	351	135	
2	681	255	351	135	
3	684	256	351	135	
4	684	256	351	135	
1-1977	593	223	593	223	
2	593	223	593	223	
3	626	235	626	235	
4	626	235	626	235	
1-1978	626	235	626	235	
2	626	235	626	235	
3	626	235	626	235	
4	626	235	626	235	
1-1979	626	235	626	235	
2	626	235	626	235	
3	626	235	626	235	
4	626	235	626	235	
1-1980	626	235	626	235	
2	626	235	626	235	
3	626	235	626	235	
4	626	235	626	235	
1-1981	626	235	626	235	
2	626	235	626	235	
3	626	235	626	235	
4	626	235	626	235	
1-1982	626	235	626	235	
2	642	241	642	241	
3	642	241	642	241	
4	642	241	642	241	
1-1983	642	241	642	241	
2	642	241	642	241	
3	642	241	642	241	
4	642	241	642	241	
1-1984	642	241	642	241	
2	642	241	642	241	

241-BY-106 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
3	642	241	642	241	
4	642	241	642	241	
1-1985	642	241	642	241	
2	642	241	642	241	
3	642	241	642	241	
4	642	241	642	241	
1-1986	642	241	642	241	
2	642	241	642	241	
3	642	241	642	241	223
4	642	241	642	241	223
1-1987	642	241	642	241	225
2	642	241	642	241	224
3	642	241	642	241	223
4	642	241	642	241	223
1-1988	642	241	642	241	223
2	642	241	642	241	225
3	642	241	642	241	222
4	642	241	642	241	225
1-1989	642	241	642	241	223
2	642	241	642	241	225
3	642	241	642	241	225
4	642	241	642	241	224
1-1990	642	241	642	241	225
2	642	241	642	241	
3	642	241	642	241	225
4	642	241	642	241	225
1-1991	642	241	642	241	226
2	642	241	642	241	226
3	642	241	642	241	225
4	642	241	642	241	225
1-1992	642	241	642	241	225
2	642	241	642	241	
3	642	241	642	241	
4	642	241	642	241	225
1-1993	642	241	642	241	226
2	642	241	642	241	225
3					225
4					225

241-BY-107 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
1-1950					
2					
3	11	11			
4	106	46			
1-1951	744	278			
2	744	278			
3					
4					
1-1952	758	283			
2	758	283			
3	334	129			
4	1	8			
1-1953	743	278	1	8	
2	758	283	1	8	
3	758	283	1	8	
4	758	283	1	8	
1-1954	758	283	1	8	
2	758	283	1	8	
3	101	44	44	23	
4	35	20	1	8	
1-1955	276	108	72	34	
2	48	25	45	24	
3	739	276	142	59	
4	177	72	147	61	
1-1956	180	73	160	66	
2	225	89	168	69	
3	87	39	87	39	
4	755	282	150	62	
1-1957	524	198	150	62	
2	722	270	150	62	
3	486	184	178	72	
4	172	70	172	70	
1-1958	172	70	172	70	
2	172	70	172	70	
3	172	70	172	70	
4	574	216	150	62	
1-1959	744	278	150	62	
2	771	288	150	62	
3	771	288	150	62	
4	771	288	150	62	
1-1960	771	288	150	62	
2	771	288	150	62	
3	771	288	150	62	
4	771	288	150	62	
1-1961					
2	733	274	150	62	

241-BY-107 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
3					
4	736	275	150	62	
1-1962					
2	736	275	150	62	
3					
4	736	275	150	62	
1-1963					
2	736	275	178	72	
3					
4	728	272	178	72	
1-1964					
2	730	273	178	72	
3					
4	730	273	178	72	
1-1965					
2	730	273	150	62	
3	730	273	150	62	
4	730	273	150	62	
1-1966	730	273	150	62	
2	730	273	150	62	
3	733	274	150	62	
4	733	274	150	62	
1-1967	733	274	150	62	
2	733	274	150	62	
3	733	274	150	62	
4	733	274	150	62	
1-1968	733	274	150	62	
2	733	274	150	62	
3	733	274	150	62	
4	730	273	150	62	
1-1969	729	273	150	62	
2	728	272	150	62	
3	726	271	150	62	
4	649	243	150	62	
1-1970	651	244	58	29	
2	678	254	61	30	
3	638	239	43	23	
4	656	246	106	46	
1-1971	624	234	117	50	
2	674	253	117	50	
3	605	227	117	50	
4	664	249	117	50	
1-1972	689	258	117	50	
2	634	238	117	50	
3	648	243	117	50	
4	646	242	117	50	

241-BY-107 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
1-1973	649	243	175	71	
2	635	238	175	71	
3	633	238	175	71	
4	659	247	175	71	
1-1974	653	245	175	71	
2	492	186	444	169	
3	492	186	444	169	
4	491	186	183	74	
1-1975	367	141	367	141	
2	367	141	367	141	
3	367	141	367	141	
4	367	141	367	141	
1-1976	367	141	367	141	
2	367	141	367	141	
3	367	141	367	141	
4	367	141	367	141	
1-1977	367	141	367	141	
2	367	141	367	141	
3	367	141	367	141	
4	367	141	367	141	
1-1978	326	126	326	126	
2	326	126	326	126	
3	326	126	326	126	
4	326	126	326	126	
1-1979	326	126	326	126	
2	326	126	326	126	
3	326	126	326	126	
4	326	126	326	126	
1-1980	326	126	326	126	
2	326	126	326	126	
3	326	126	326	126	
4	326	126	326	126	
1-1981	326	126	326	126	
2	326	126	326	126	
3	326	126	326	126	
4	326	126	326	126	
1-1982	326	126	326	126	
2	356	137	356	137	
3	356	137	356	137	
4	356	137	356	137	
1-1983	356	137	356	137	
2	356	137	356	137	
3	356	137	356	137	
4	356	137	356	137	
1-1984	296	115	296	115	
2	266	104	266	104	

241-BY-107 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
3	266	104	266	104	
4	266	104	266	104	
1-1985	266	104	266	104	
2	266	104	266	104	
3	266	104	266	104	
4	266	104	266	104	
1-1986	266	104	266	104	63
2	266	104	266	104	61
3	266	104	266	104	61
4	266	104	266	104	63
1-1987	266	104	266	104	61
2	266	104	266	104	63
3	266	104	266	104	62
4	266	104	266	104	64
1-1988	266	104	266	104	63
2	266	104	266	104	61
3	266	104	266	104	62
4	266	104	266	104	64
1-1989	266	104	266	104	63
2	266	104	266	104	63
3	266	104	266	104	63
4	266	104	266	104	63
1-1990	266	104	266	104	63
2	266	104	266	104	
3	266	104	266	104	64
4	266	104	266	104	63
1-1991	266	104	266	104	64
2	266	104	266	104	63
3	266	104	266	104	63
4	266	104	266	104	63
1-1992	266	104	266	104	64
2	266	104	266	104	
3	266	104	266	104	
4	266	104	266	104	61
1-1993	266	104	266	104	63
2	266	104	266	104	62
3					64
4					

241-BY-108 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)
1-1950				
2				
3				
4				
1-1951	20	15		
2	538	203		
3				
4				
1-1952	753	281		
2	753	281		
3	753	281		
4	753	281		
1-1953	753	281		
2	687	257		
3	687	257		
4	687	257		
1-1954	702	263		
2	702	263		
3	266	104		
4	127	54		
1-1955	78	36	33	19
2	140	58	98	43
3	376	144	197	79
4	200	80	200	80
1-1956	713	267	205	82
2	179	73	179	73
3	523	198	194	78
4	656	246	201	81
1-1957	722	270	201	81
2	722	270	249	98
3	213	85	213	85
4	211	84	210	84
1-1958	211	84	210	84
2	211	84	210	84
3	211	84	210	84
4	244	96	210	84
1-1959	557	210		
2	744	278		
3	744	278		
4	744	278	210	84
1-1960	744	278	210	84
2	738	276	210	84
3	738	276	210	84
4	738	276	210	84
1-1961				
2	706	264	210	84

241-BY-108 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)
3				
4	706	264	210	84
1-1962				
2	706	264	210	84
3				
4	706	264	210	84
1-1963				
2	703	263	202	81
3				
4	703	263	202	81
1-1964				
2	695	260	202	81
3				
4	697	261	202	81
1-1965				
2	700	262	178	72
3	700	262	178	72
4	700	262	178	72
1-1966	700	262	178	72
2	700	262	178	72
3	700	262	178	72
4	697	261	178	72
1-1967	697	261	178	72
2	697	261	178	72
3	697	261	178	72
4	697	261	178	72
1-1968	695	260	178	72
2	557	210	178	72
3	657	246	125	53
4	604	227	125	53
1-1969	582	219	165	67
2	585	220	222	88
3	574	216	194	78
4	574	216	233	92
1-1970	706	264	224	89
2	657	246	176	71
3	740	277	194	78
4	659	247	65	31
1-1971	692	259	98	43
2	385	147	385	147
3	388	149	388	149
4	381	146	381	146
1-1972	381	146	381	146
2	381	146	381	146
3	381	146	381	146
4	312	121	304	118

241-BY-108 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)
1-1973	312	121	304	118
2	304	118	304	118
3	304	118	304	118
4	304	118	304	118
1-1974	304	118	304	118
2	304	118	304	118
3	304	118	304	118
4	359	138	359	138
1-1975	359	138	359	138
2	359	138	359	138
3	359	138	359	138
4	359	138	359	138
1-1976	359	138	359	138
2	359	138	359	138
3	359	138	359	138
4	359	138	359	138
1-1977	359	138	359	138
2	359	138	359	138
3	359	138	359	138
4	359	138	359	138
1-1978	359	138	359	138
2	359	138	359	138
3	359	138	359	138
4	359	138	359	138
1-1979	359	138	359	138
2	359	138	359	138
3	359	138	359	138
4	359	138	359	138
1-1980	359	138	359	138
2	359	138	359	138
3	359	138	359	138
4	359	138	359	138
1-1981	359	138	359	138
2	359	138	359	138
3	359	138	359	138
4	359	138	359	138
1-1982	359	138	359	138
2	253	99	253	99
3	253	99	252	99
4	253	99	252	99
1-1983	253	99	252	99
2	253	99	252	99
3	253	99	252	99
4	253	99	252	99
1-1984	239	94	239	94
2	239	94	239	94

241-BY-108 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)
3	228	90	228	90
4	228	90	228	90
1-1985	228	90	228	90
2	228	90	228	90
3	228	90	228	90
4	228	90	228	90
1-1986	228	90	228	90
2	228	90	228	90
3	228	90	228	90
4	228	90	228	90
1-1987	228	90	228	90
2	228	90	228	90
3	228	90	228	90
4	228	90	228	90
1-1988	228	90	228	90
2	228	90	228	90
3	228	90	228	90
4	228	90	228	90
1-1989	228	90	228	90
2	228	90	228	90
3	228	90	228	90
4	228	90	228	90
1-1990	228	90	228	90
2	228	90	228	90
3	228	90	228	90
4	228	90	228	90
1-1991	228	90	228	90
2	228	90	228	90
3	228	90	228	90
4	228	90	228	90
1-1992	228	90	228	90
2	228	90	228	90
3	228	90	228	90
4	228	90	228	90
1-1993	228	90	228	90
2	228	90	228	90
3				
4				

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
1-1950					
2					
3					
4					
1-1951					
2					
3					
4					
1-1952					
2					
3					
4					
1-1953	448	170			
2	448	170			
3	44	23			
4	44	23			
1-1954	281	110			
2	408	156			
3	34	20			
4	477	181			
1-1955	551	208			
2	237	94			
3	34	20			
4	34	20			
1-1956	34	20			
2	722	270			
3	722	270	36	21	
4	722	270	66	31	
1-1957	722	270	66	31	
2	66	31	66	31	
3	48	25	46	24	
4	48	25	46	24	
1-1958	48	25	46	24	
2	46	24	46	24	
3	46	24	46	24	
4	46	24	46	24	
1-1959	47	25	46	24	
2	47	25	46	24	
3	47	25	46	24	
4	47	25	46	24	
1-1960	47	25	46	24	
2	47	25	46	24	
3	47	25	46	24	
4	47	25	46	24	
1-1961					
2	48	25	46	24	

241-BY-109 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
3					
4	51	26	46	24	
1-1962					
2	623	234	46	24	
3					
4	623	234	46	24	
1-1963					
2	623	234	76	35	
3					
4	634	238	76	35	
1-1964					
2	629	236	76	35	
3					
4	623	234	76	35	
1-1965					
2	642	241	57	28	
3	642	241	57	28	
4	642	241	57	28	
1-1966	642	241	57	28	
2	642	241	57	28	
3	139	58	57	28	
4	486	184	57	28	
1-1967	642	241	57	28	
2	742	277	57	28	
3	742	277	57	28	
4	742	277	57	28	
1-1968	743	278	57	28	
2	269	105	57	28	
3	556	210	37	21	
4	596	224	54	27	
1-1969	558	210	72	34	
2	596	224	87	39	
3	655	246	79	36	
4	593	223	114	49	
1-1970	607	228	190	77	
2	574	216	120	51	
3	579	218	128	54	
4	598	225	142	59	
1-1971	589	222	150	62	
2	608	229	128	54	
3	618	232	128	54	
4	598	225	153	63	
1-1972	623	234	153	63	
2	600	226	222	88	
3	620	233	260	102	
4	612	230	334	129	

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
1-1973	613	230	381	146	
2	602	226	398	152	
3	603	227	398	152	
4	587	221	411	157	
1-1974	594	223	411	157	
2	581	219	433	165	
3	602	226	433	165	
4	557	210	425	162	
1-1975	571	215	425	162	
2	541	204	425	162	
3	565	213	425	162	
4	598	225	425	162	
1-1976	576	217	425	162	
2	585	220	425	162	
3	593	223	425	162	
4	596	224	425	162	
1-1977	459	174	425	162	
2	442	168	433	165	
3	444	169	433	165	
4	447	170	433	165	
1-1978	458	174	433	165	
2	455	173	433	165	
3	458	174	433	165	
4	461	175	433	165	
1-1979	466	177	433	165	
2	466	177	433	165	
3	466	177	433	165	
4	466	177	433	165	
1-1980	466	177	433	165	
2	466	177	433	165	
3	466	177	433	165	
4	466	177	433	165	
1-1981	466	177	433	165	
2	466	177	433	165	
3	466	177	433	165	
4	466	177	433	165	
1-1982	466	177	433	165	
2	466	177	433	165	
3	466	177	433	165	
4	466	177	433	165	
1-1983	466	177	433	165	
2	466	177	433	165	
3	466	177	433	165	
4	466	177	433	165	
1-1984	474	180	441	168	
2	474	180	441	168	

241-BY-109 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
3	474	180	441	168	
4	474	180	441	168	
1-1985	474	180	441	168	
2	474	180	441	168	
3	474	180	441	168	
4	474	180	441	168	
1-1986	474	180	441	168	175
2	474	180	441	168	176
3	474	180	441	168	176
4	474	180	441	168	177
1-1987	474	180	441	168	177
2	474	180	441	168	177
3	474	180	441	168	176
4	474	180	441	168	176
1-1988	474	180	441	168	177
2	474	180	441	168	177
3	474	180	441	168	177
4	474	180	441	168	177
1-1989	474	180	441	168	177
2	474	180	441	168	177
3	474	180	441	168	177
4	474	180	441	168	177
1-1990	474	180	441	168	177
2	474	180	441	168	
3	474	180	441	168	177
4	474	180	441	168	178
1-1991	474	180	441	168	179
2	458	174	441	168	180
3	423	161	423	161	153
4	423	161	423	161	145
1-1992	423	161	423	161	
2	423	161	423	161	
3	423	161	423	161	
4	423	161	423	161	136
1-1993	423	161	423	161	135
2	423	161	423	161	136
3					135
4					

241-BY-110 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
1-1950					
2					
3					
4					
1-1951					
2					
3					
4					
1-1952	638	239			
2	653	245			
3	722	270			
4	732	274			
1-1953	732	274			
2	731	273			
3	731	273			
4	731	273			
1-1954	731	273			
2	731	273			
3	37	21			
4	261	102	51	26	
1-1955	729	273	121	51	
2	640	240	85	38	
3	238	94			
4	722	270	148	61	
1-1956	724	271	150	62	
2	724	271			
3	722	270	211	84	
4	229	91	229	91	
1-1957	442	168	210	84	
2	697	261	205	82	
3	224	89	211	84	
4	304	118	210	84	
1-1958	607	228	210	84	
2	604	227	210	84	
3	611	230	210	84	
4	717	268	210	84	
1-1959	717	268	210	84	
2	716	268	210	84	
3	716	268	210	84	
4	739	276	210	84	
1-1960	739	276	210	84	
2	739	276	210	84	
3	739	276	210	84	
4	739	276	210	84	
1-1961					
2	708	265	210	84	

241-BY-110 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
3					
4	708	265	210	84	
1-1962					
2	708	265	210	84	
3					
4	708	265	210	84	
1-1963					
2	706	264	246	97	
3					
4	706	264	246	97	
1-1964					
2	706	264	246	97	
3					
4	706	264	246	97	
1-1965					
2	703	263	230	91	
3	706	264	230	91	
4	713	267	230	91	
1-1966	706	264	230	91	
2	706	264	230	91	
3	700	262	230	91	
4	700	262	230	91	
1-1967	706	264	230	91	
2	697	261	230	91	
3	693	259	230	91	
4	693	259	230	91	
1-1968	706	264	230	91	
2	706	264	230	91	
3	706	264	230	91	
4	706	264	230	91	
1-1969	701	262	230	91	
2	642	241	189	76	
3	692	259	123	52	
4	703	263	123	52	
1-1970	627	235	201	81	
2	519	196	190	77	
3	664	249	211	84	
4	697	261	277	108	
1-1971	675	253	277	108	
2	690	258	277	108	
3	708	265	277	108	
4	645	242	277	108	
1-1972	628	236	277	108	
2	714	267	277	108	
3	667	250	277	108	
4	644	242	277	108	

241-BY-110 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
1-1973	672	252	277	108	
2	653	245	277	108	
3	706	264	277	108	
4	673	252	277	108	
1-1974	670	251	277	108	
2	690	258	277	108	
3	688	258	277	108	
4	689	258	296	115	
1-1975	684	256	296	115	
2	645	242	296	115	
3	667	250	296	115	
4	673	252	296	115	
1-1976	684	256	296	115	
2	684	256	296	115	
3	678	254	296	115	
4	678	254	296	115	
1-1977	609	229	376	144	
2	532	201	376	144	
3	549	207	469	178	
4	560	211	469	178	
1-1978	571	215	469	178	
2	579	218	469	178	
3	582	219	469	178	
4	585	220	469	178	
1-1979	585	220	469	178	
2	552	208	469	178	
3	530	200	469	178	
4	530	200	469	178	
1-1980	508	192	505	191	
2	508	192	505	191	
3	508	192	505	191	
4	508	192	505	191	
1-1981	508	192	505	191	
2	508	192	505	191	
3	508	192	505	191	
4	508	192	505	191	
1-1982	508	192	505	191	
2	508	192	505	191	
3	508	192	505	191	
4	508	192	505	191	
1-1983	508	192	505	191	
2	507	192	505	191	
3	420	160	420	160	
4	420	160	420	160	
1-1984	404	154	404	154	
2	404	154	404	154	

241-BY-110 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
3	400	153	400	153	
4	400	153	400	153	
1-1985	398	152	398	152	
2	398	152	398	152	
3	398	152	398	152	
4	398	152	398	152	
1-1986	398	152	398	152	86
2	398	152	398	152	87
3	398	152	398	152	85
4	398	152	398	152	87
1-1987	398	152	398	152	85
2	398	152	398	152	86
3	398	152	398	152	87
4	398	152	398	152	86
1-1988	398	152	398	152	88
2	398	152	398	152	85
3	398	152	398	152	87
4	398	152	398	152	86
1-1989	398	152	398	152	87
2	398	152	398	152	85
3	398	152	398	152	86
4	398	152	398	152	86
1-1990	398	152	398	152	85
2	398	152	398	152	
3	398	152	398	152	85
4	398	152	398	152	85
1-1991	398	152	398	152	84
2	398	152	398	152	84
3	398	152	398	152	84
4	398	152	398	152	84
1-1992	398	152	398	152	85
2	398	152	398	152	
3	398	152	398	152	
4	398	152	398	152	85
1-1993	398	152	398	152	85
2	398	152	398	152	84
3					84
4					84

241-BY-111 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
1-1950					
2					
3					
4					
1-1951					
2					
3					
4					
1-1952	758	283			
2	758	283			
3	758	283			
4	758	283			
1-1953	759	283			
2	758	283			
3	758	283			
4	758	283			
1-1954	758	283			
2	758	283			
3	758	283			
4	24	16			
1-1955	11	11			
2					
3					
4					
1-1956					
2	526	199			
3	26	17			
4	26	17			
1-1957	35	20	26	17	
2	706	264	26	17	
3	706	264	26	17	
4	706	264	26	17	
1-1958	706	264	26	17	
2	706	264	26	17	
3	706	264	26	17	
4	706	264	26	17	
1-1959	711	266	26	17	
2	711	266	26	17	
3	711	266	26	17	
4	711	266	26	17	
1-1960	711	266	26	17	
2	711	266	26	17	
3	711	266	26	17	
4	711	266	26	17	
1-1961					
2	711	266	26	17	

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
3					
4	614	231	26	17	
1-1962					
2	714	267	26	17	
3					
4	714	267	26	17	
1-1963					
2	717	268	24	16	
3					
4	717	268	24	16	
1-1964					
2	717	268	24	16	
3					
4	717	268	24	16	
1-1965					
2	739	276	26	17	
3	367	141	26	17	
4	343	132	26	17	
1-1966	29	18	26	17	
2	585	220	26	17	
3	741	277	26	17	
4	741	277	26	17	
1-1967	739	276	26	17	
2	739	276	26	17	
3	739	276	26	17	
4	752	281	26	17	
1-1968	36	21	26	17	
2	629	236	26	17	
3	576	217	145	60	
4	640	240	145	60	
1-1969	541	204	48	25	
2	600	226	52	26	
3	570	215	101	44	
4	642	241	142	59	
1-1970	618	232	266	104	
2	668	250	290	113	
3	666	250	323	125	
4	695	260	673	252	
1-1971	685	257	673	252	
2	693	259	686	257	
3	697	261	686	257	
4	692	259	686	257	
1-1972	688	258	194	78	
2	686	257	112	48	
3	653	245	142	59	
4	662	248	142	59	

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
1-1973	650	244	142	59	
2	649	243	142	59	
3	624	234	142	59	
4	677	254	142	59	
1-1974	677	254	142	59	
2	711	266	142	59	
3	673	252	142	59	
4	673	252	299	116	
1-1975	673	252	299	116	
2	673	252	299	116	
3	673	252	299	116	
4	670	251	299	116	
1-1976	670	251	299	116	
2	670	251	299	116	
3	670	251	299	116	
4	670	251	299	116	
1-1977	670	251	299	116	
2	615	231	299	116	
3	510	193	510	193	
4	615	231	615	231	
1-1978	615	231	615	231	
2	615	231	615	231	
3	615	231	615	231	
4	615	231	615	231	
1-1979	615	231	615	231	
2	615	231	615	231	
3	615	231	615	231	
4	615	231	615	231	
1-1980	615	231	615	231	
2	615	231	615	231	
3	615	231	615	231	
4	622	234	622	234	
1-1981	622	234	622	234	
2	622	234	622	234	
3	622	234	622	234	
4	622	234	622	234	
1-1982	622	234	622	234	
2	649	243	648	243	
3	649	243	648	243	
4	649	243	648	243	
1-1983	649	243	648	243	
2	649	243	648	243	
3	648	243	648	243	
4	648	243	648	243	
1-1984	466	177	466	177	
2	466	177	466	177	

241-BY-111 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
3	461	175	461	175	
4	462	175	461	175	
1-1985	459	174	459	174	
2	459	174	459	174	
3	459	174	459	174	
4	459	174	459	174	
1-1986	459	174	459	174	86
2	459	174	459	174	87
3	459	174	459	174	85
4	459	174	459	174	87
1-1987	459	174	459	174	85
2	459	174	459	174	86
3	459	174	459	174	87
4	459	174	459	174	86
1-1988	459	174	459	174	88
2	459	174	459	174	85
3	459	174	459	174	87
4	459	174	459	174	89
1-1989	459	174	459	174	87
2	459	174	459	174	85
3	459	174	459	174	86
4	459	174	459	174	86
1-1990	459	174	459	174	85
2	459	174	459	174	
3	459	174	459	174	85
4	459	174	459	174	85
1-1991	459	174	459	174	84
2	459	174	459	174	84
3	459	174	459	174	84
4	459	174	459	174	84
1-1992	459	174	459	174	85
2	459	174	459	174	
3	459	174	459	174	
4	459	174	459	174	85
1-1993	459	174	459	174	85
2	459	174	459	174	84
3					84
4					84

241-BY-112 SINGLE-SHELL
TANK LEVEL HISTORY

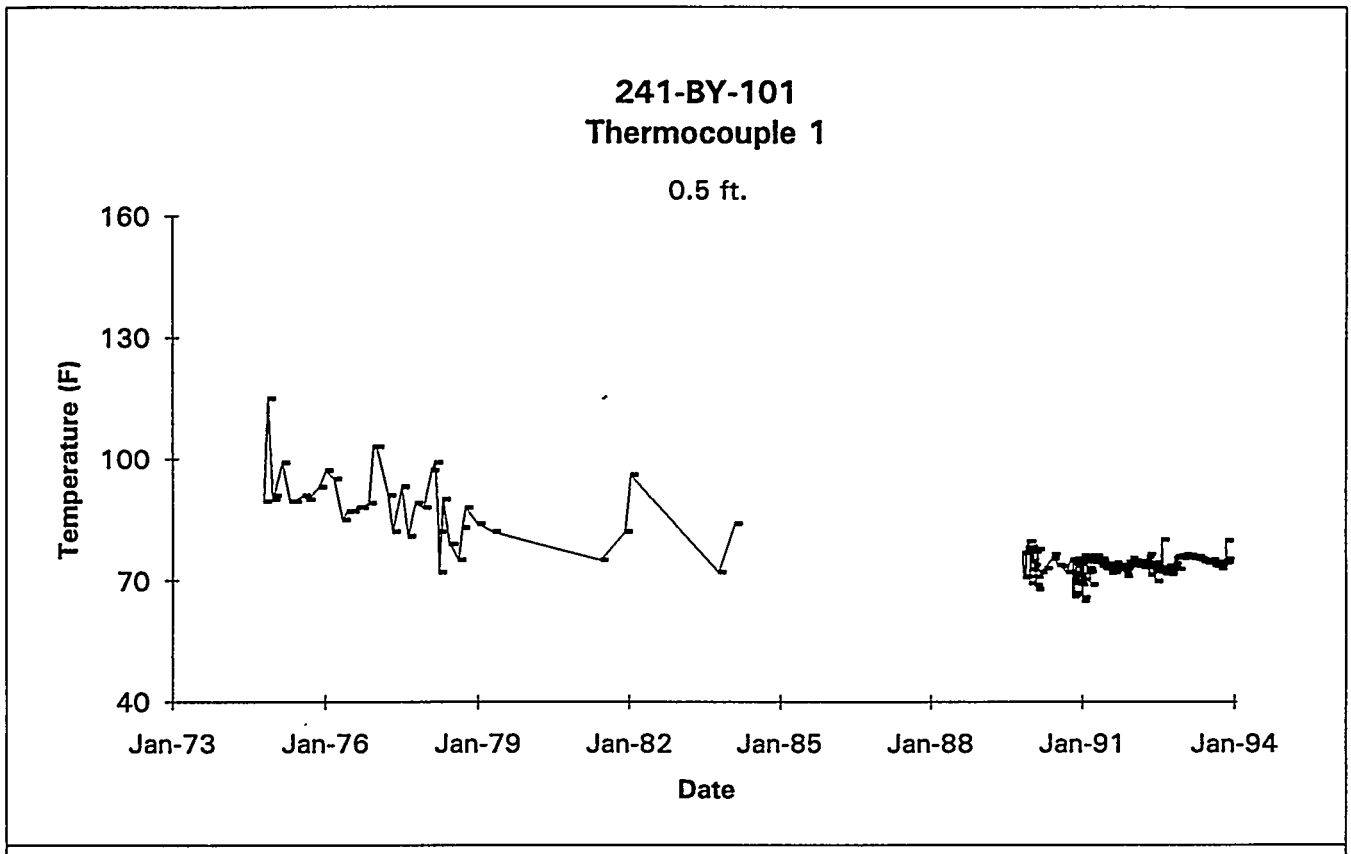
Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
1-1950					
2					
3					
4					
1-1951					
2					
3					
4					
1-1952	252	99			
2	271	106			
3	294	114			
4	362	139			
1-1953	389	149			
2	400	153			
3	394	151			
4	394	151			
1-1954	394	151			
2	394	151			
3	394	151			
4	1	8			
1-1955	1	8			
2	5	9			
3					
4					
1-1956					
2	477	181			
3	697	261			
4	697	261			
1-1957	695	260			
2	183	74			
3	631	237			
4	755	282			
1-1958	755	282			
2	755	282			
3	755	282			
4	755	282			
1-1959	755	282			
2	755	282			
3	755	282			
4	755	282			
1-1960	755	282			
2	741	277			
3	741	277			
4	741	277			
1-1961					
2	741	277			

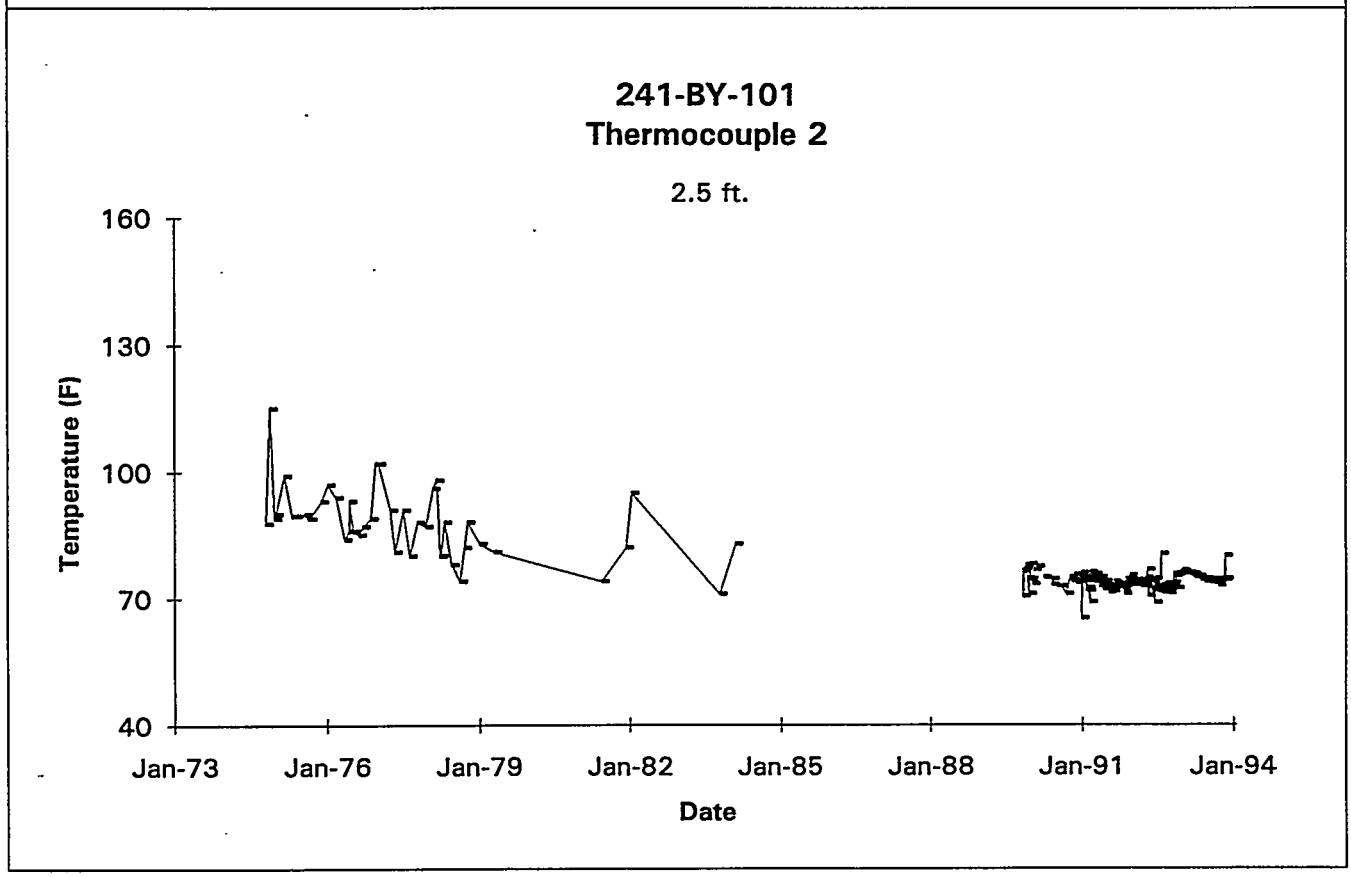
Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
3					
4	741	277			
1-1962					
2	741	277			
3					
4	741	277			
1-1963					
2	744	278	29	18	
3					
4	744	278	29	18	
1-1964					
2	755	282	29	18	
3					
4	755	282	29	18	
1-1965					
2	279	109	24	16	
3	48	25	24	16	
4	312	121	24	16	
1-1966	730	273	24	16	
2	730	273	24	16	
3	744	278	24	16	
4	744	278	24	16	
1-1967	750	280	24	16	
2	751	281	24	16	
3	751	281	24	16	
4	756	282	24	16	
1-1968	547	206	24	16	
2	605	227	17	14	
3	612	230	2	8	
4	574	216	2	8	
1-1969	722	270	43	23	
2	725	271	59	29	
3	703	263	79	36	
4	689	258	79	36	
1-1970	708	265	85	38	
2	706	264	94	42	
3	712	266	145	60	
4	704	263	164	67	
1-1971	700	262	255	100	
2	699	262	59	29	
3	716	268	166	68	
4	722	270	194	78	
1-1972	664	249	296	115	
2	672	252	334	129	
3	670	251	334	129	
4	663	249	315	122	

241-BY-112 SINGLE-SHELL
TANK LEVEL HISTORY

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
1-1973	689	258	288	112	
2	679	254	288	112	
3	688	258	311	121	
4	703	263	331	128	
1-1974	681	255	331	128	
2	702	263	331	128	
3	703	263	331	128	
4	711	266	310	120	
1-1975	706	264	310	120	
2	706	264	310	120	
3	706	264	310	120	
4	673	252	310	120	
1-1976	340	131	310	120	
2	310	120	310	120	
3	310	120	310	120	
4	310	120	310	120	
1-1977	310	120	310	120	
2	310	120	310	120	
3	310	120	310	120	
4	310	120	310	120	
1-1978	310	120	310	120	
2	310	120	310	120	
3	310	120	310	120	
4	310	120	310	120	
1-1979	310	120	310	120	
2	310	120	310	120	
3	310	120	310	120	
4	310	120	310	120	
1-1980	310	120	310	120	
2	310	120	310	120	
3	310	120	310	120	
4	310	120	310	120	
1-1981	310	120	310	120	
2	310	120	310	120	
3	310	120	310	120	
4	310	120	310	120	
1-1982	310	120	310	120	
2	304	118	301	117	
3	304	118	301	117	
4	304	118	301	117	
1-1983	304	118	301	117	
2	304	118	301	117	
3	301	117	301	117	
4	301	117	301	117	
1-1984	291	113	291	113	
2	291	113	291	113	

Year	Total (K gal)	Total (in)	Solids (K gal)	Solids (in)	LOW (in)
3	291	113	291	113	
4	291	113	291	113	
1-1985	291	113	291	113	
2	291	113	291	113	
3	291	113	291	113	
4	291	113	291	113	
1-1986	291	113	291	113	38
2	291	113	291	113	38
3	291	113	291	113	38
4	291	113	291	113	40
1-1987	291	113	291	113	40
2	291	113	291	113	40
3	291	113	291	113	40
4	291	113	291	113	40
1-1988	291	113	291	113	40
2	291	113	291	113	41
3	291	113	291	113	42
4	291	113	291	113	42
1-1989	291	113	291	113	43
2	291	113	291	113	44
3	291	113	291	113	43
4	291	113	291	113	43
1-1990	291	113	291	113	42
2	291	113	291	113	
3	291	113	291	113	43
4	291	113	291	113	44
1-1991	291	113	291	113	45
2	291	113	291	113	
3	291	113	291	113	44
4	291	113	291	113	44
1-1992	291	113	291	113	45
2	291	113	291	113	
3	291	113	291	113	
4	291	113	291	113	45
1-1993	291	113	291	113	
2	291	113	291	113	
3					
4					





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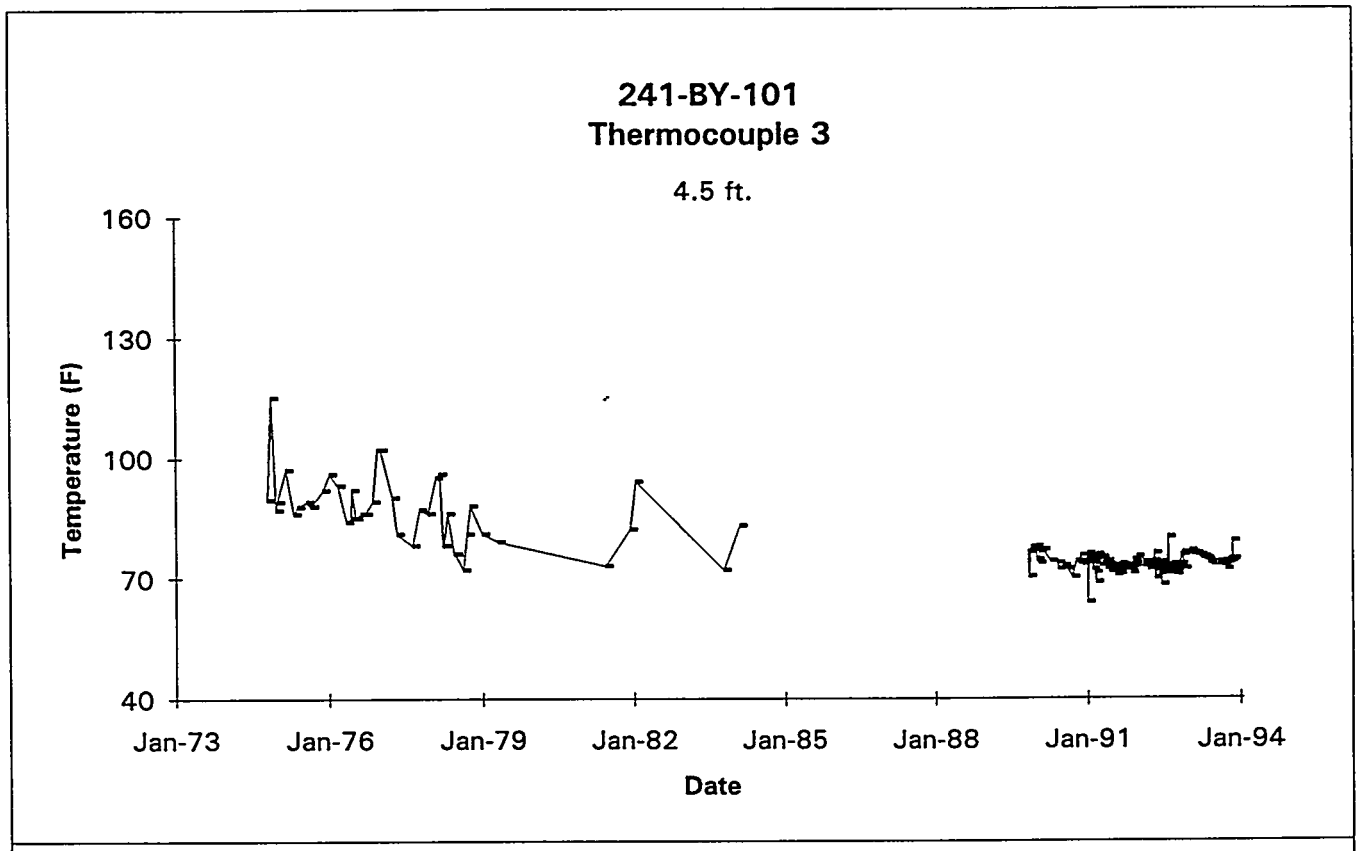

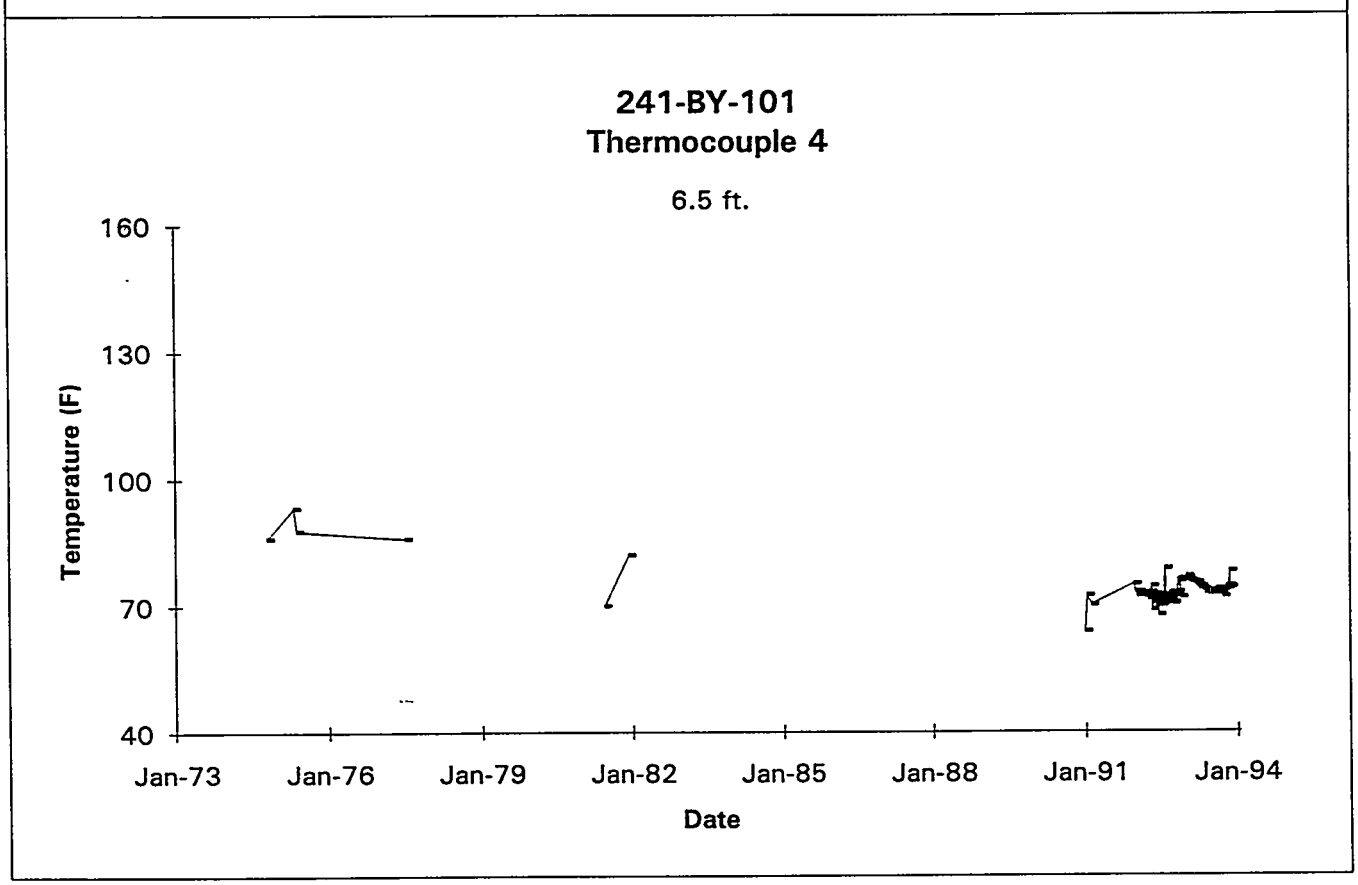

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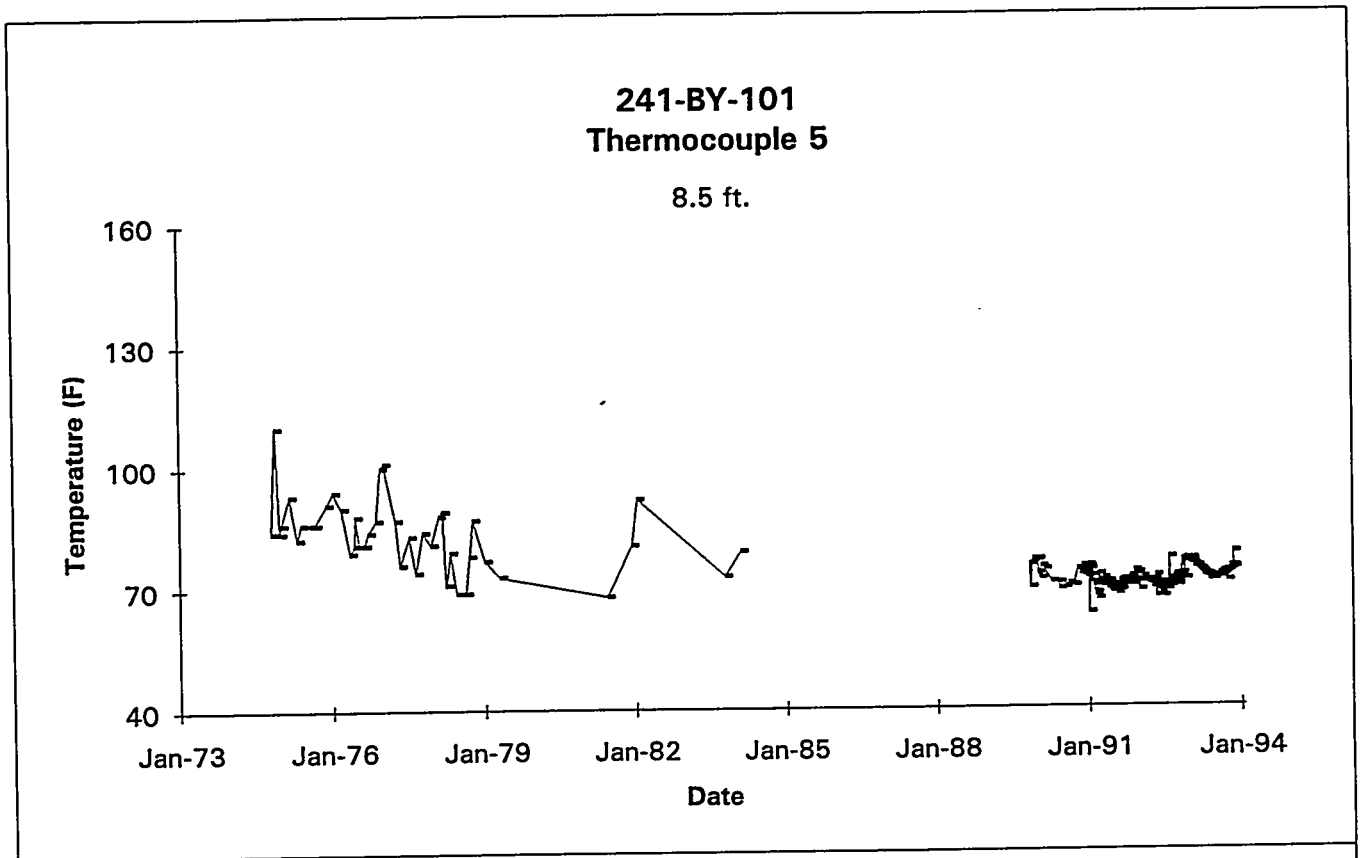

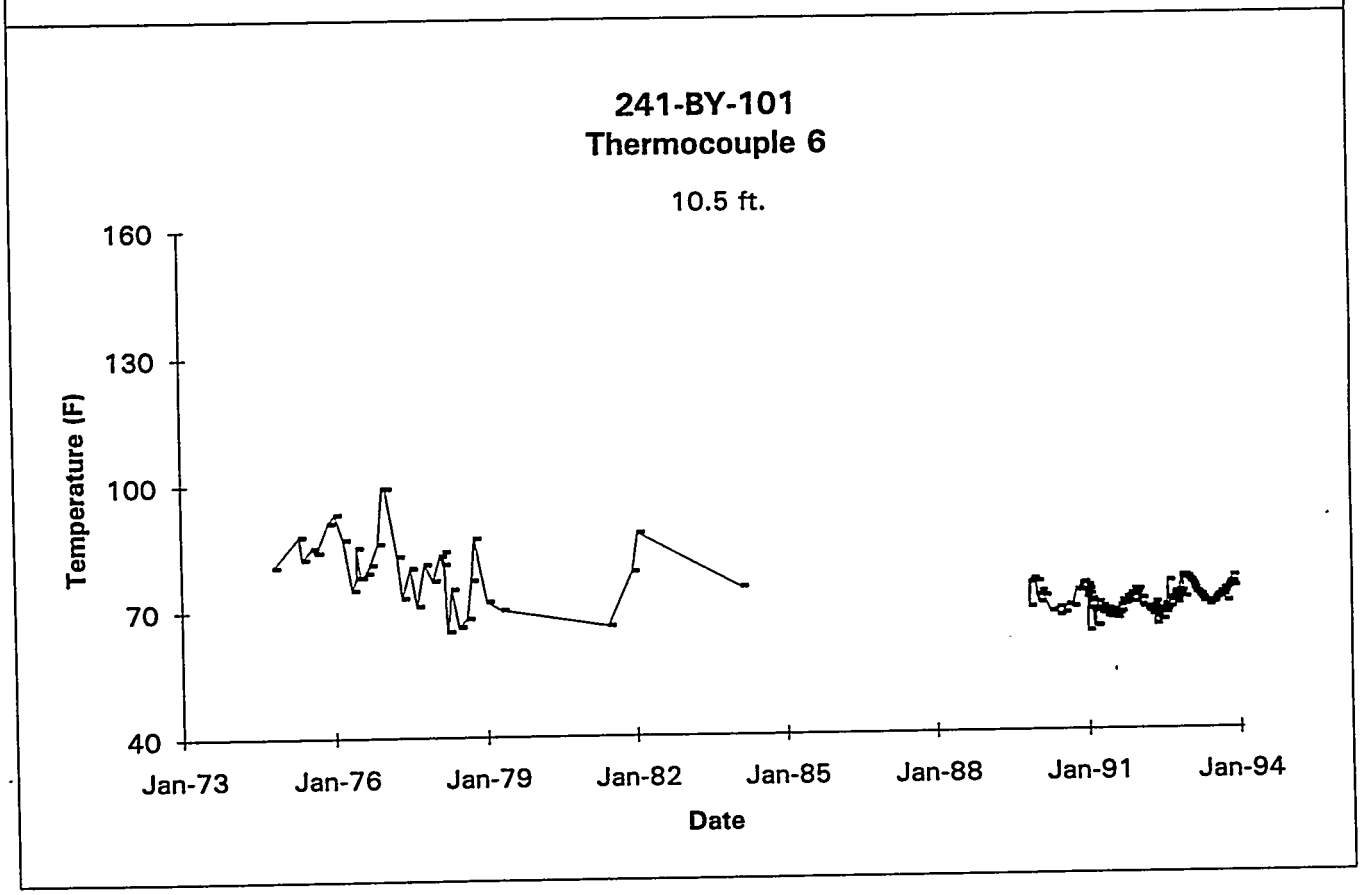

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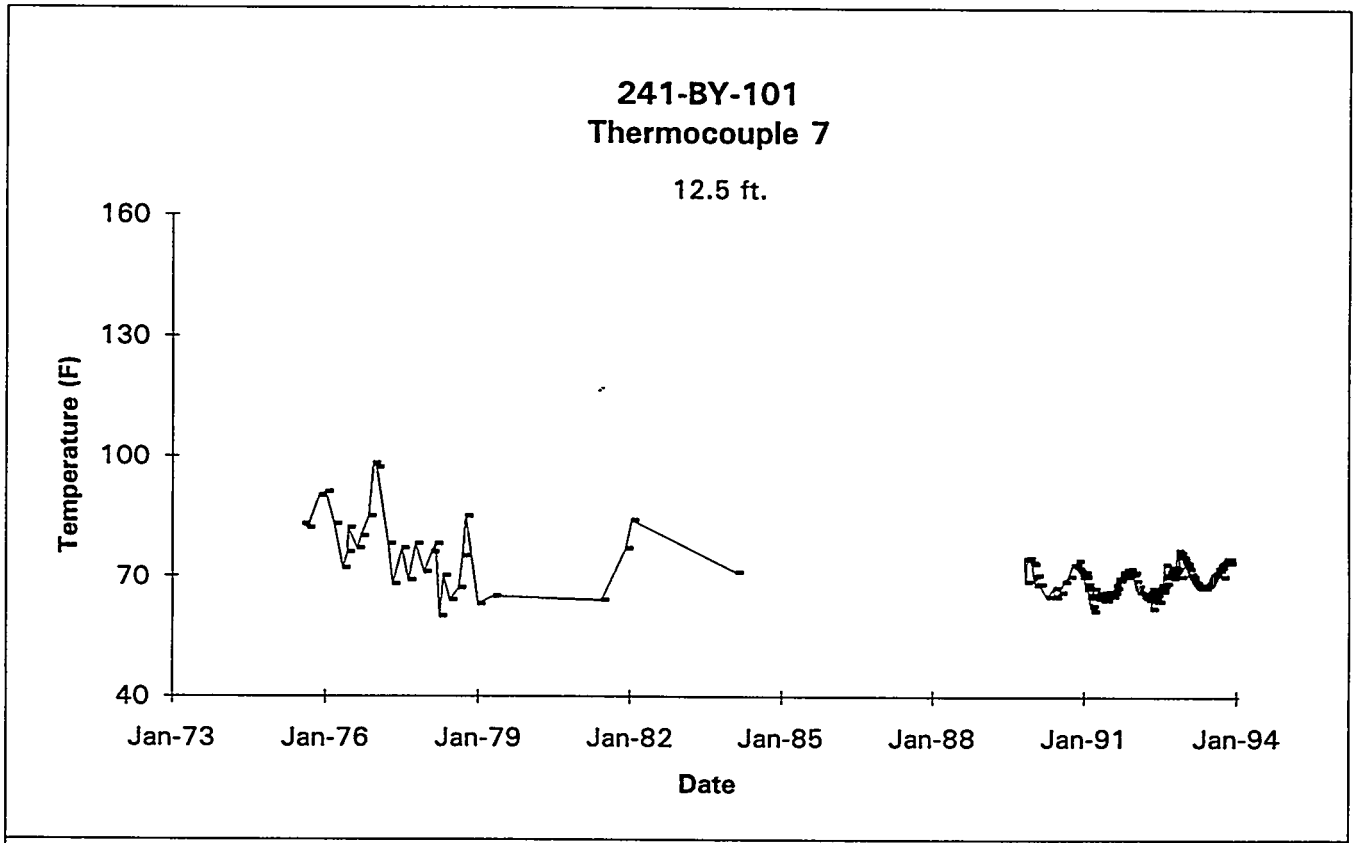

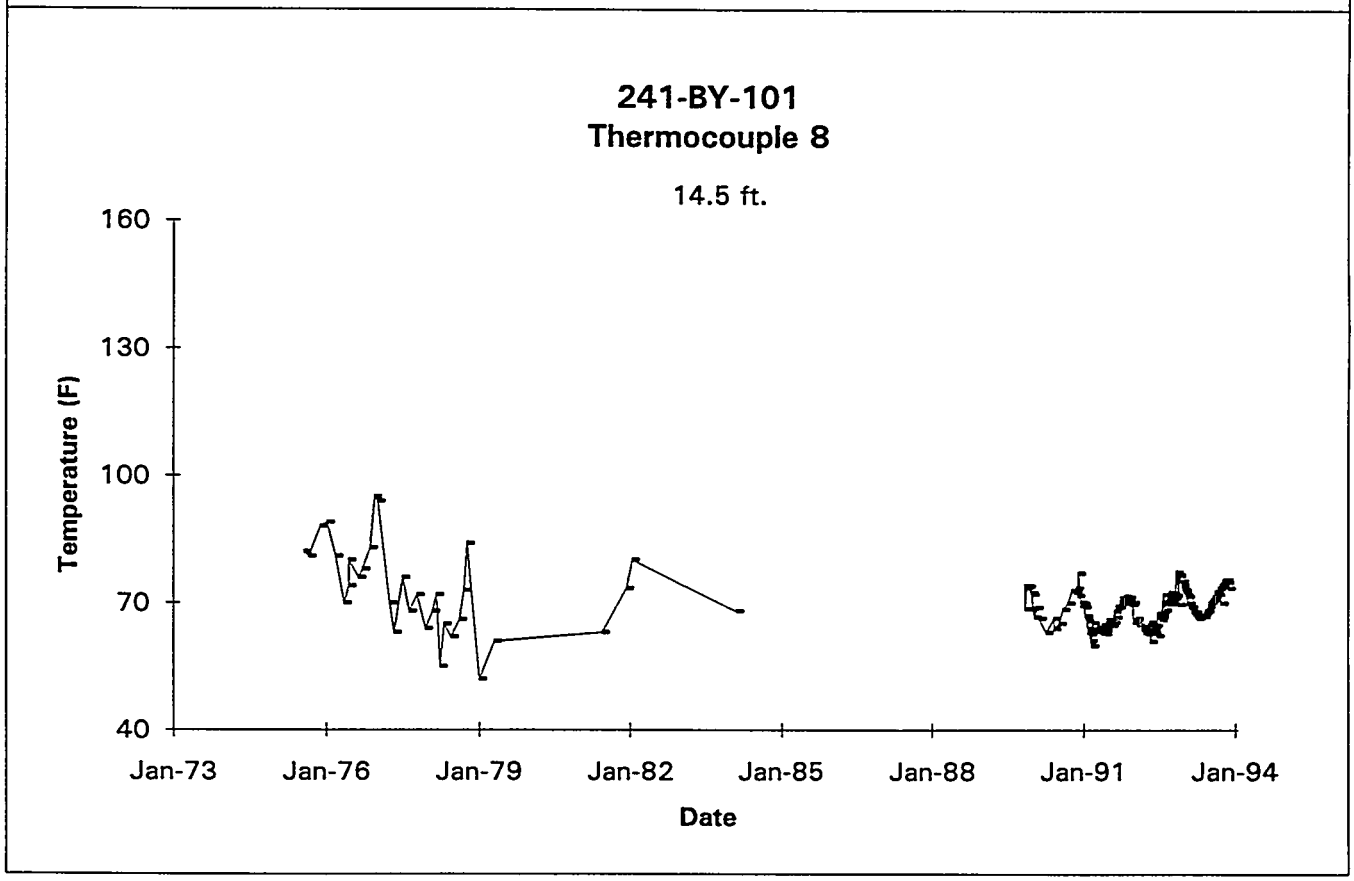

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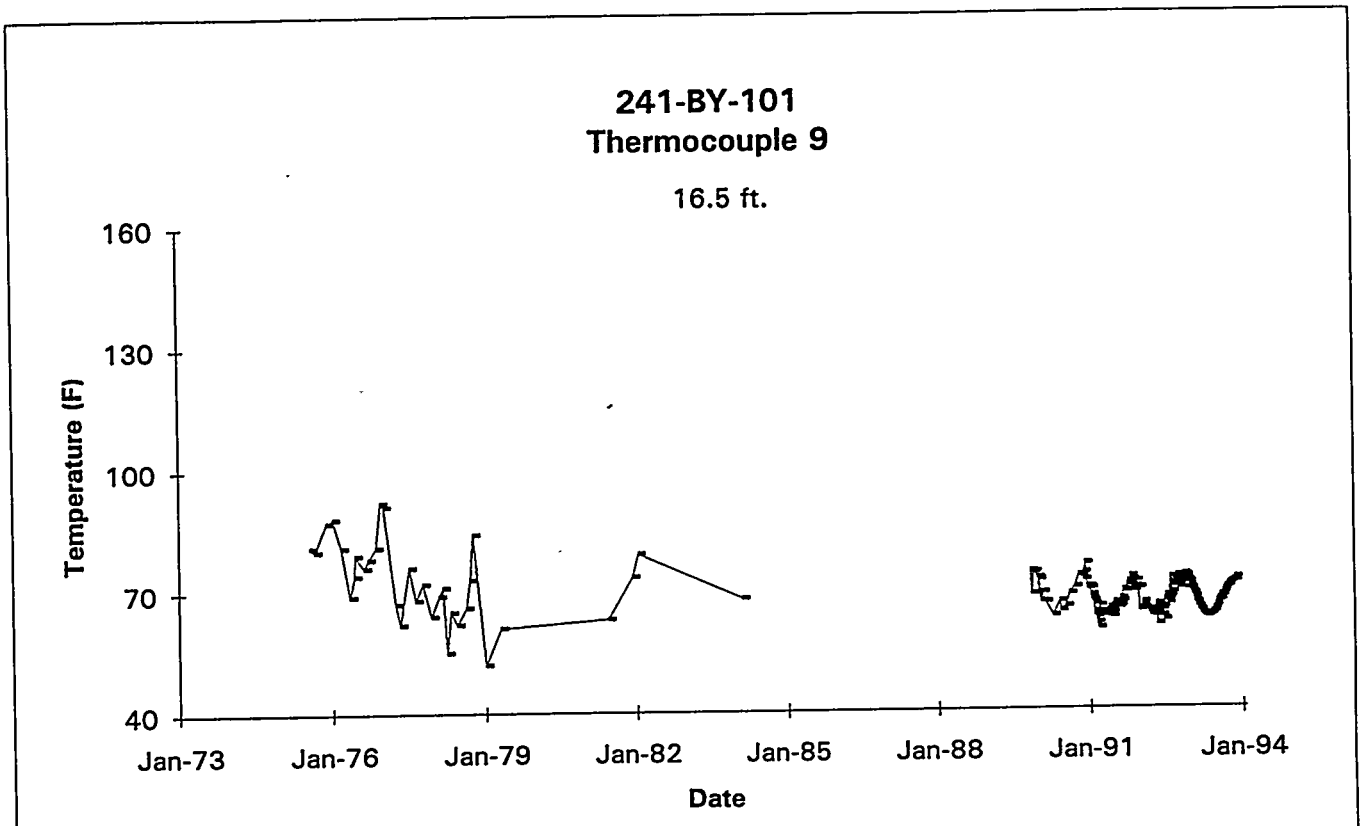

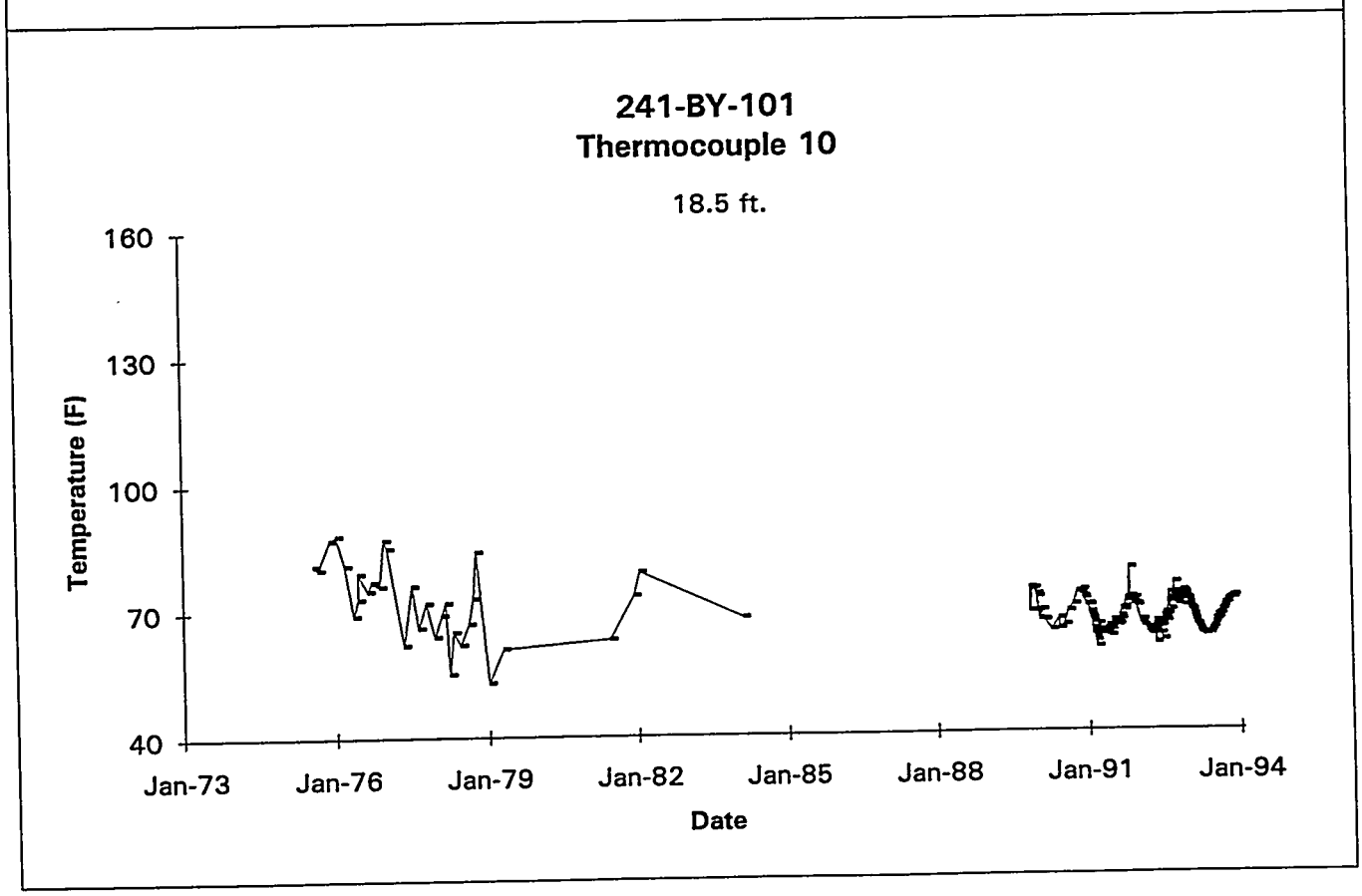

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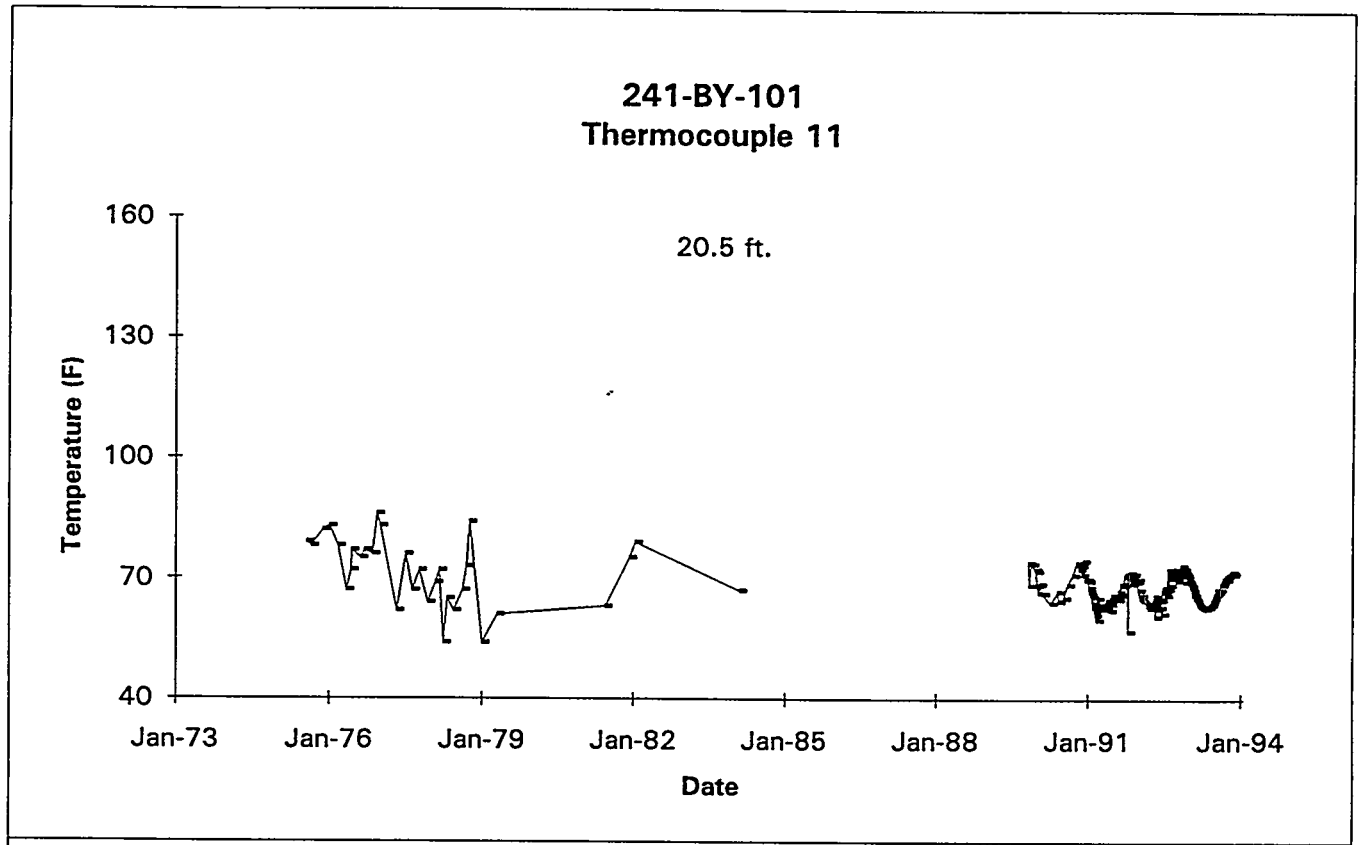

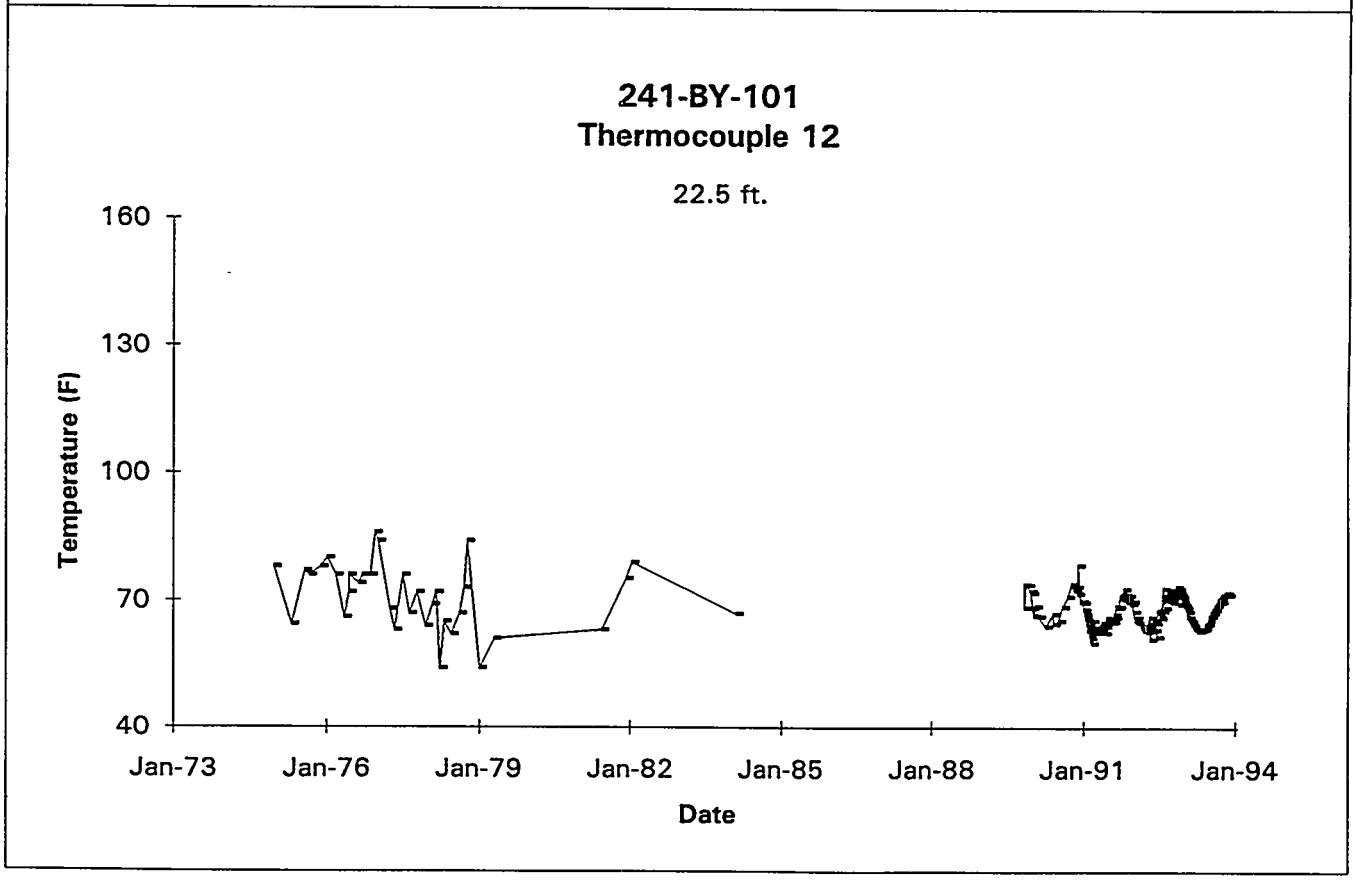

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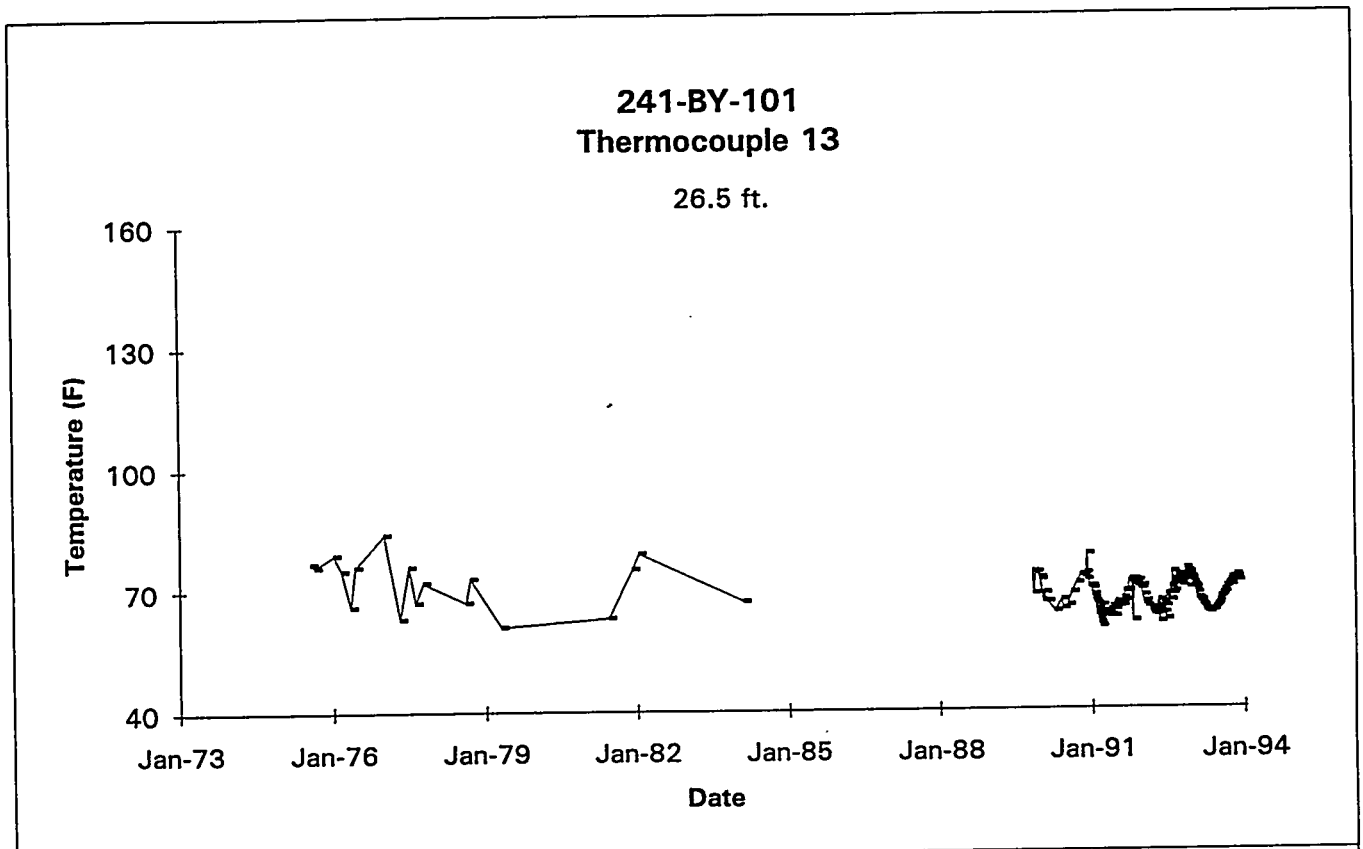

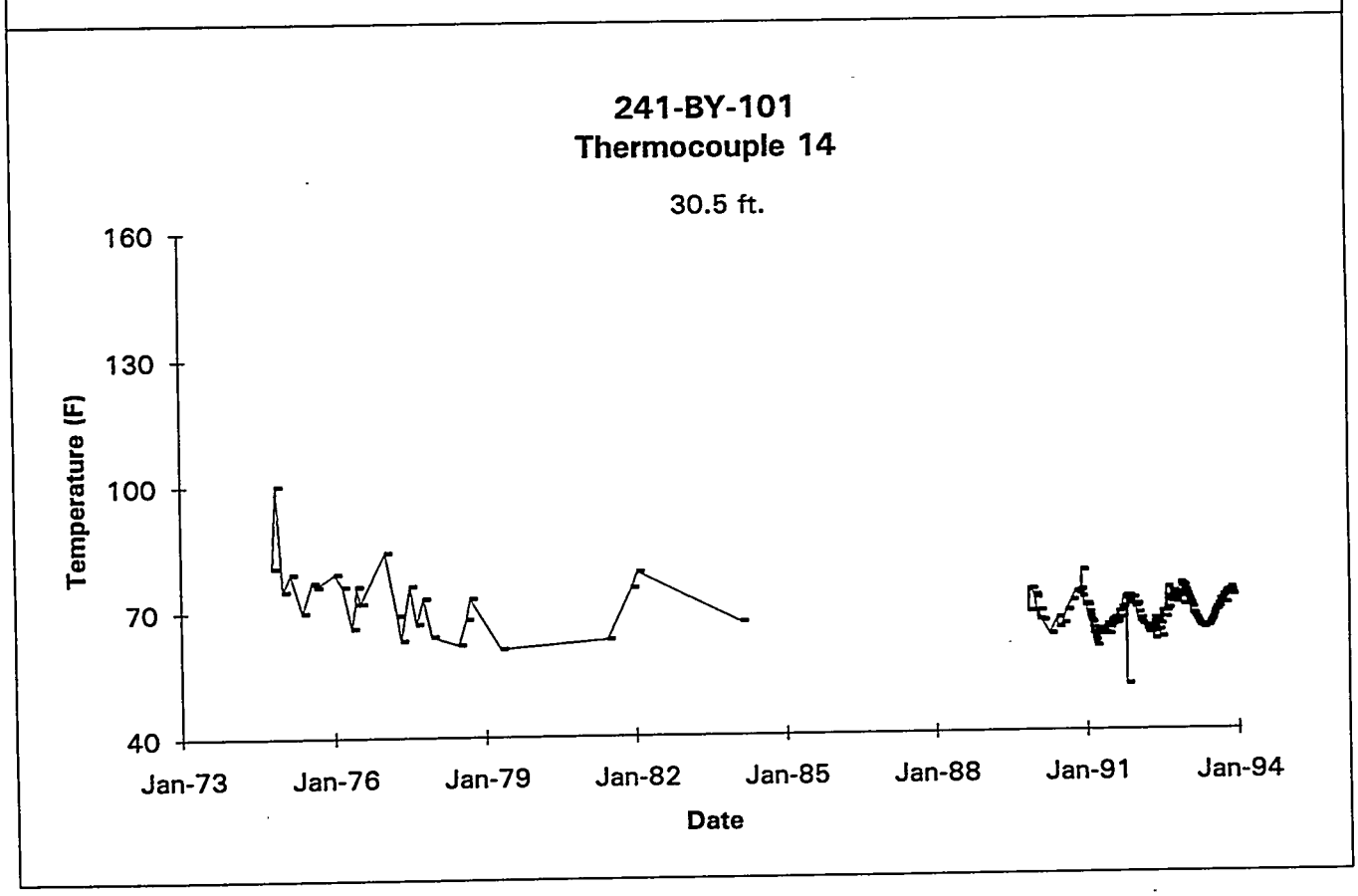

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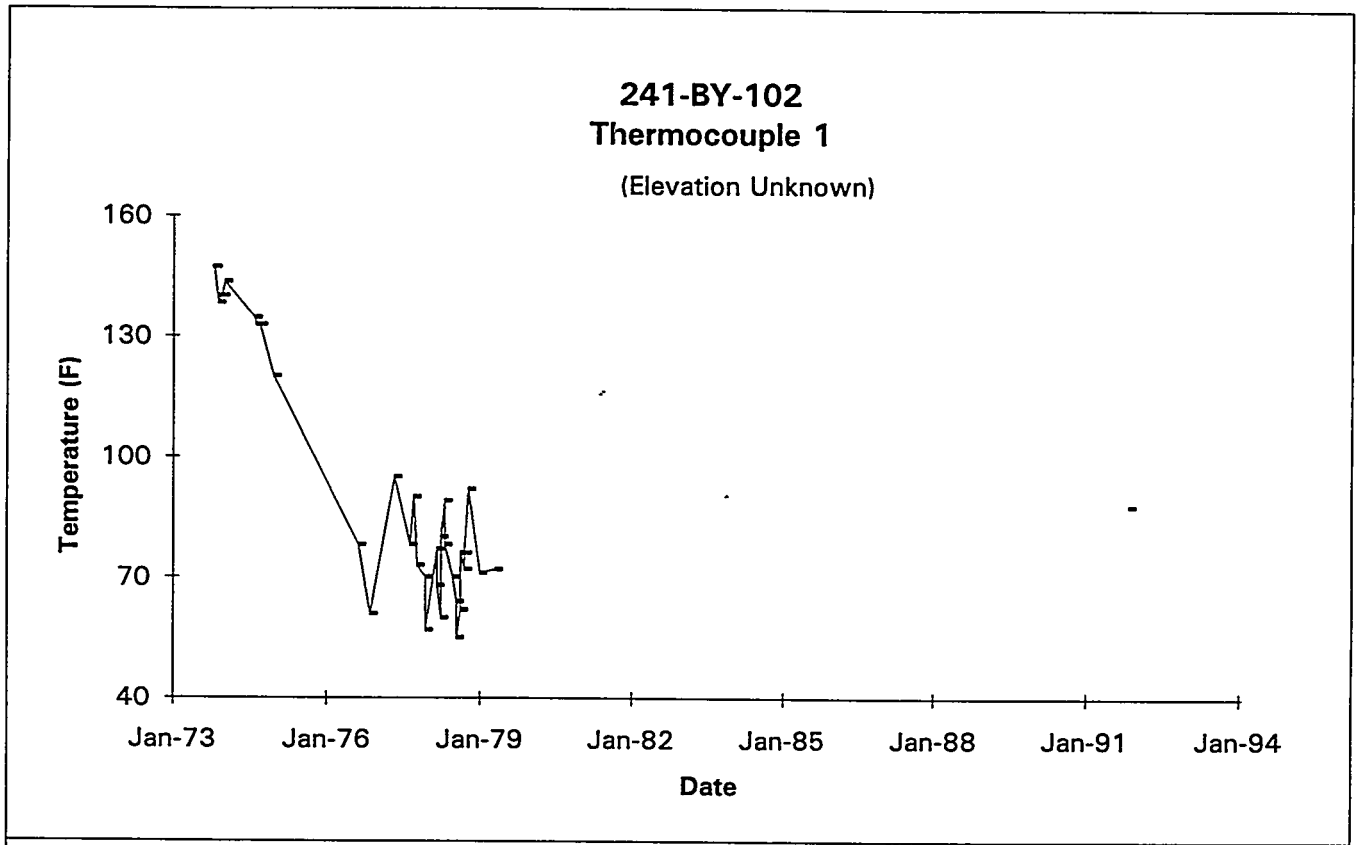

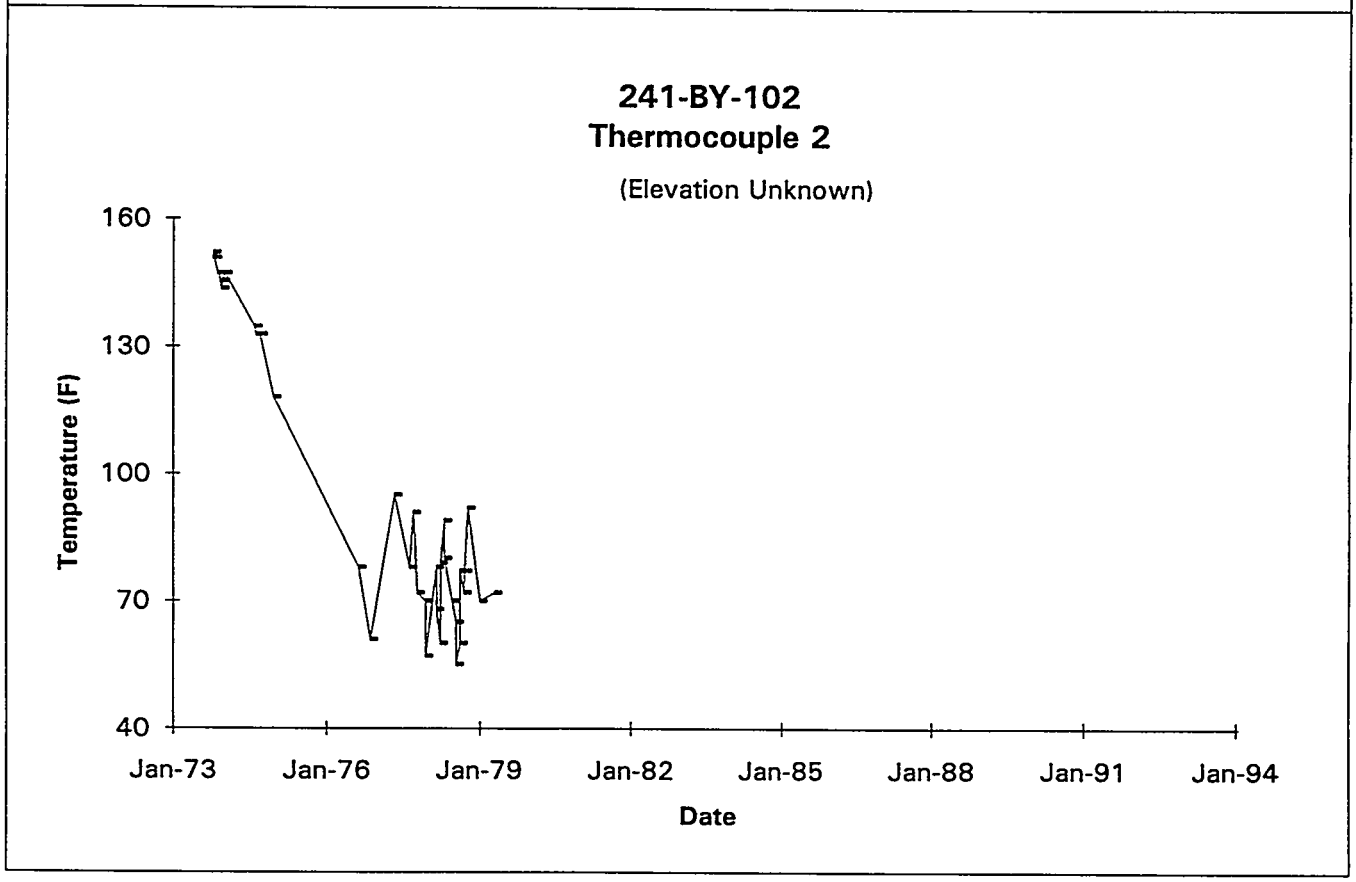

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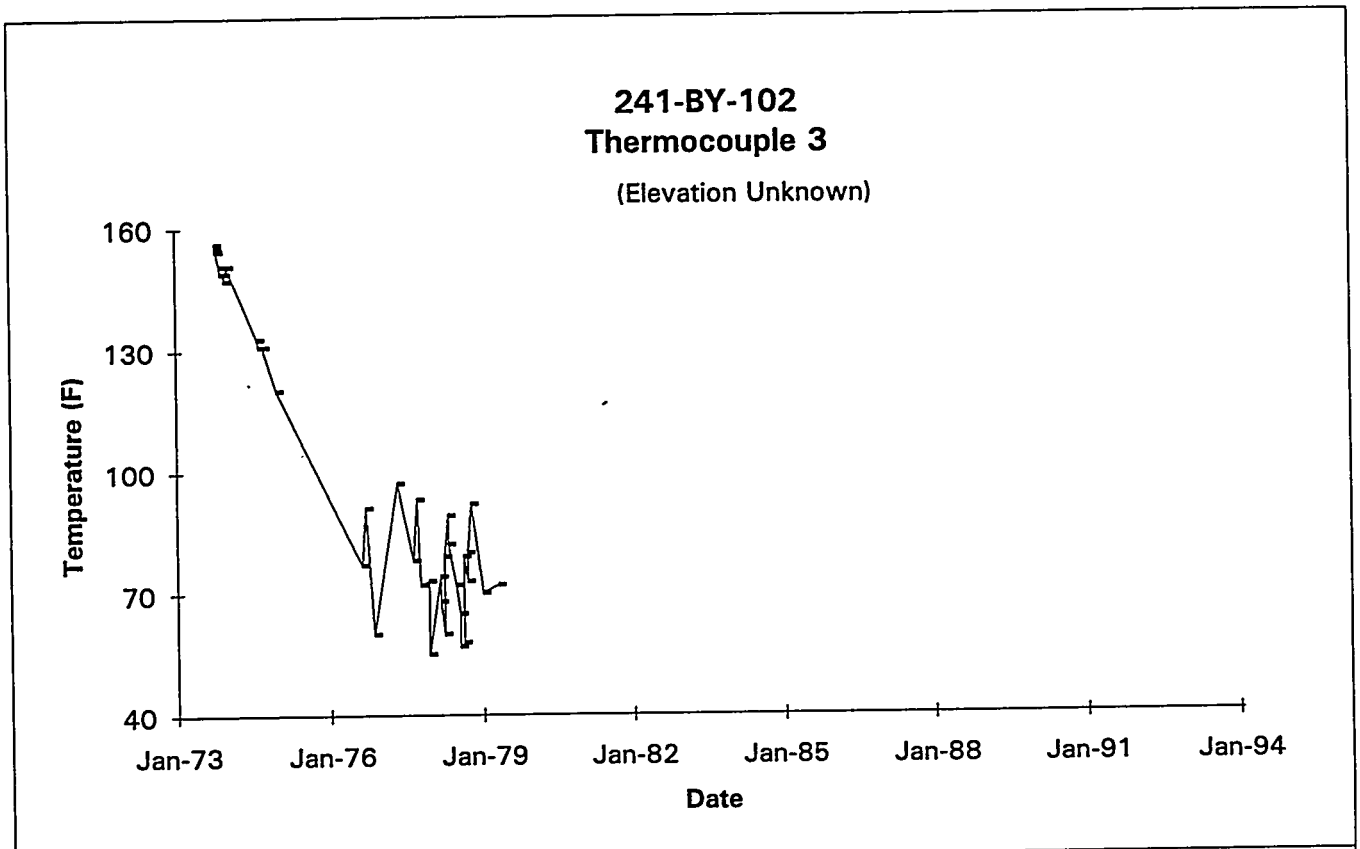

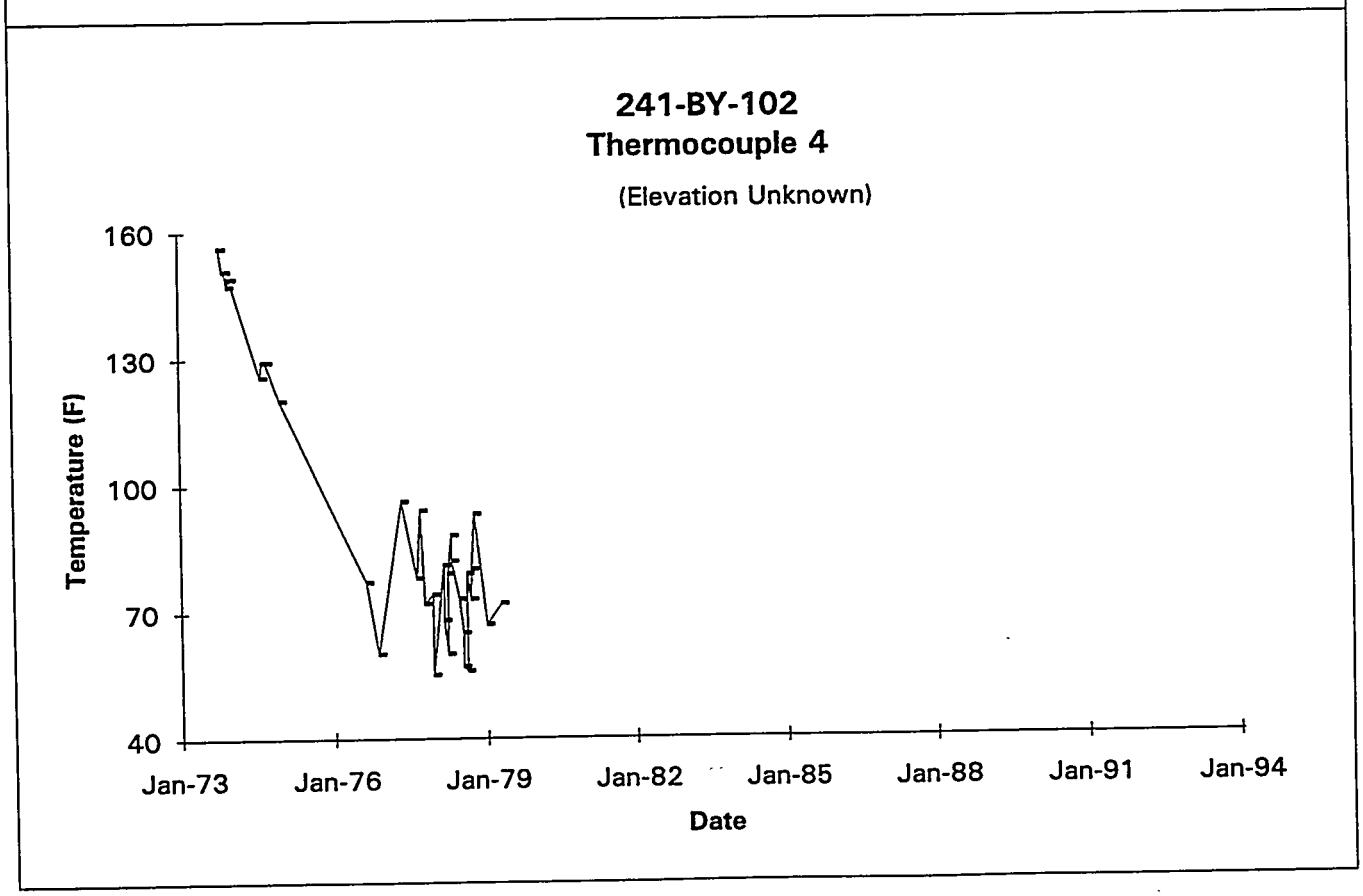

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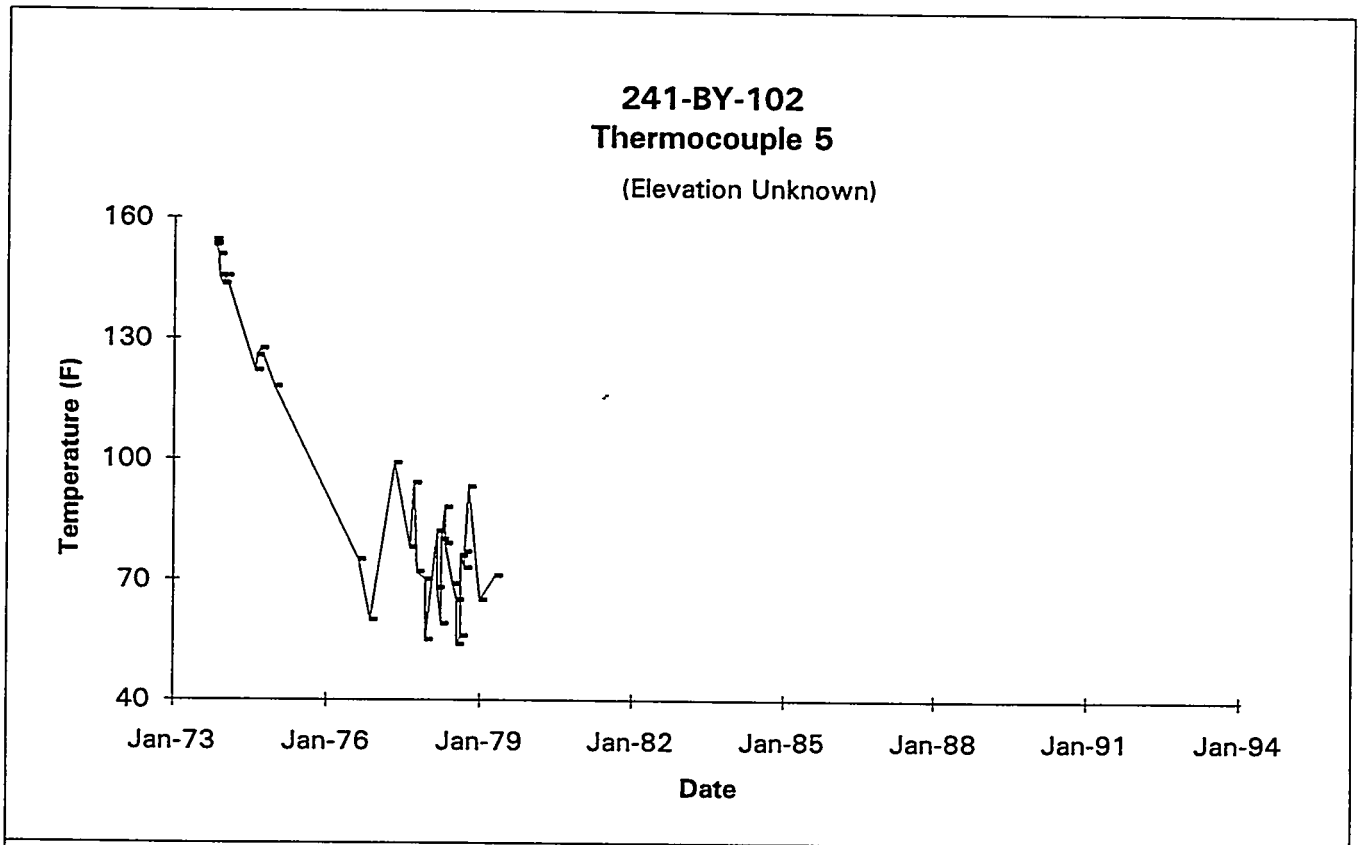

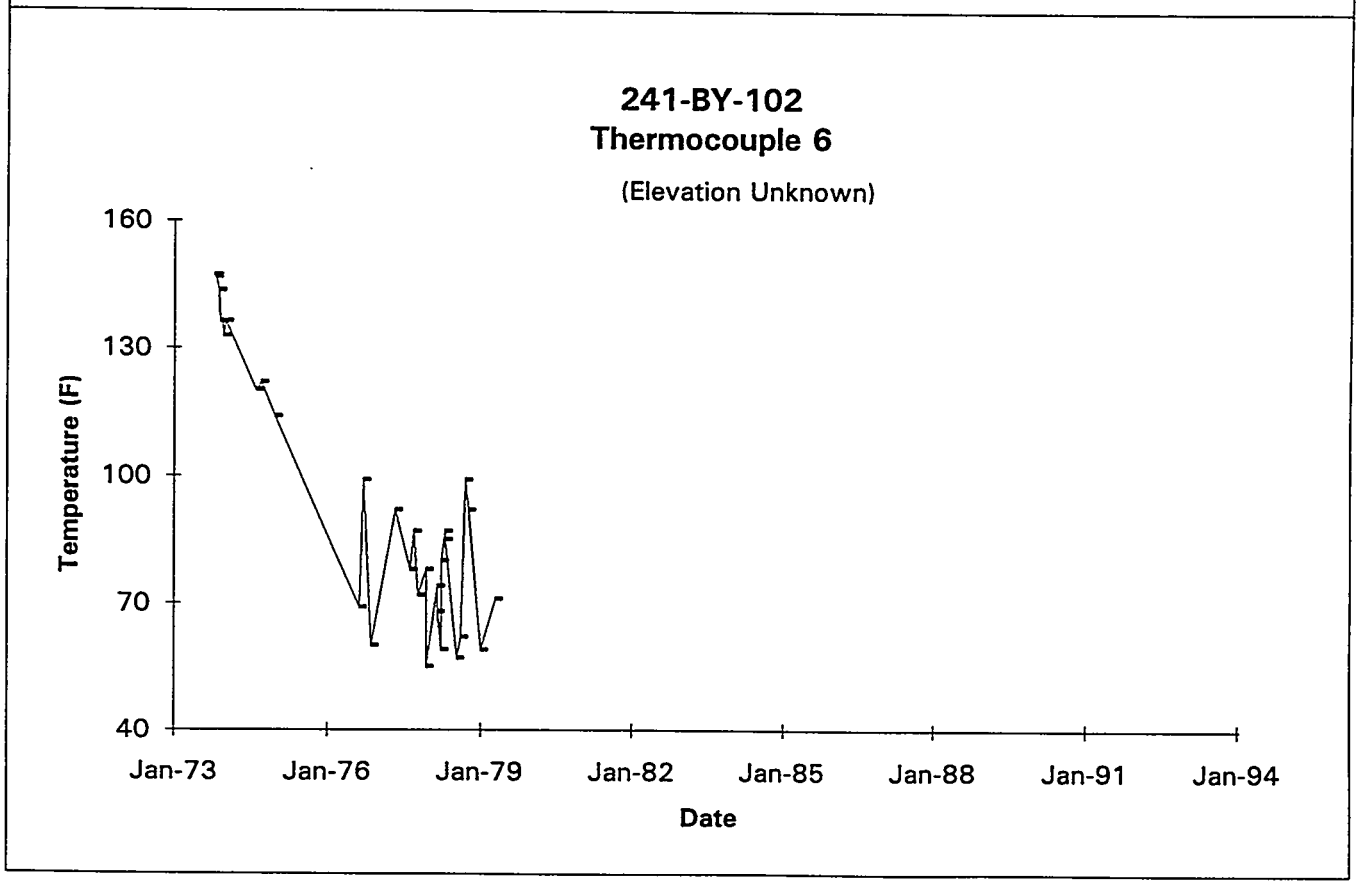

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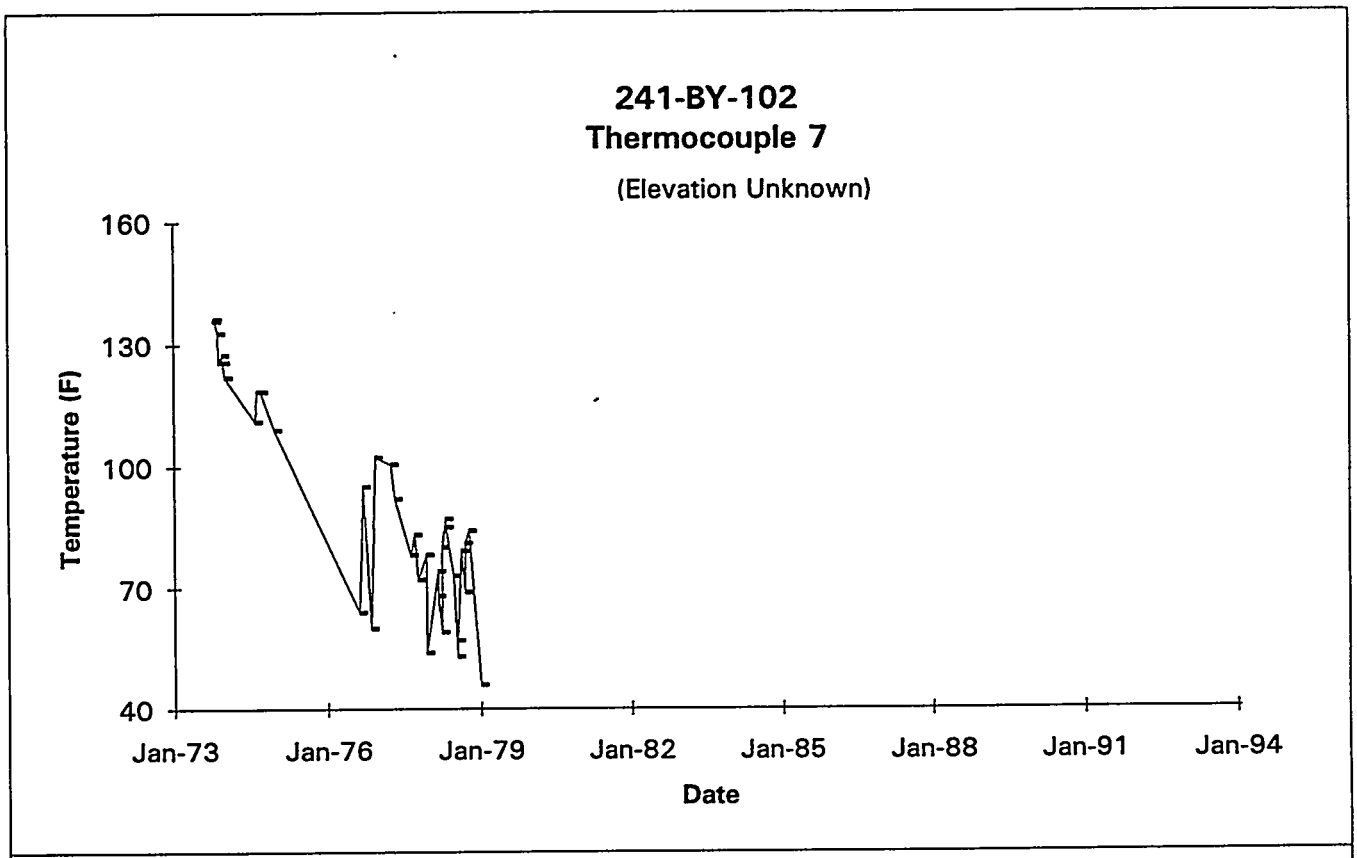

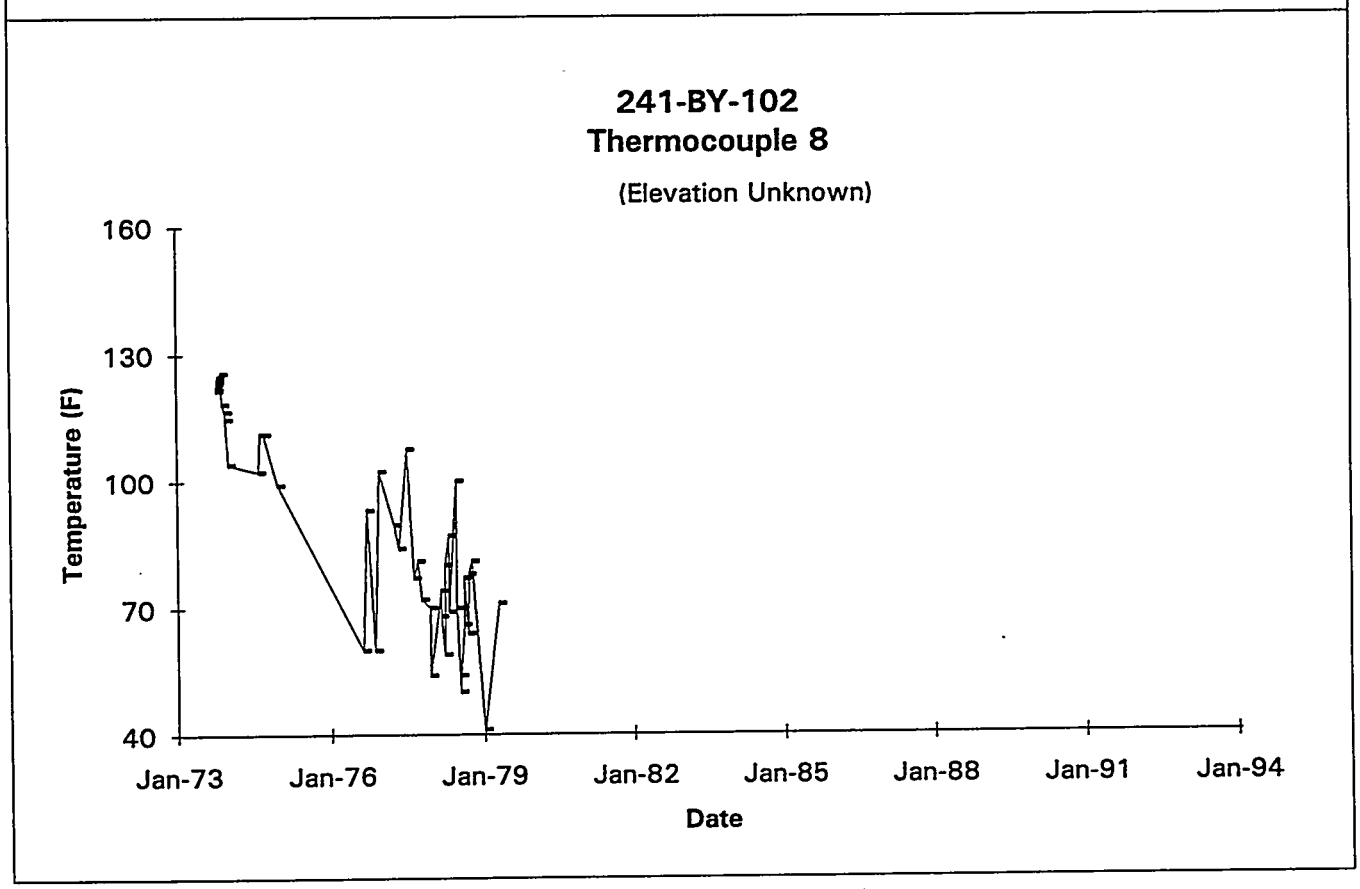

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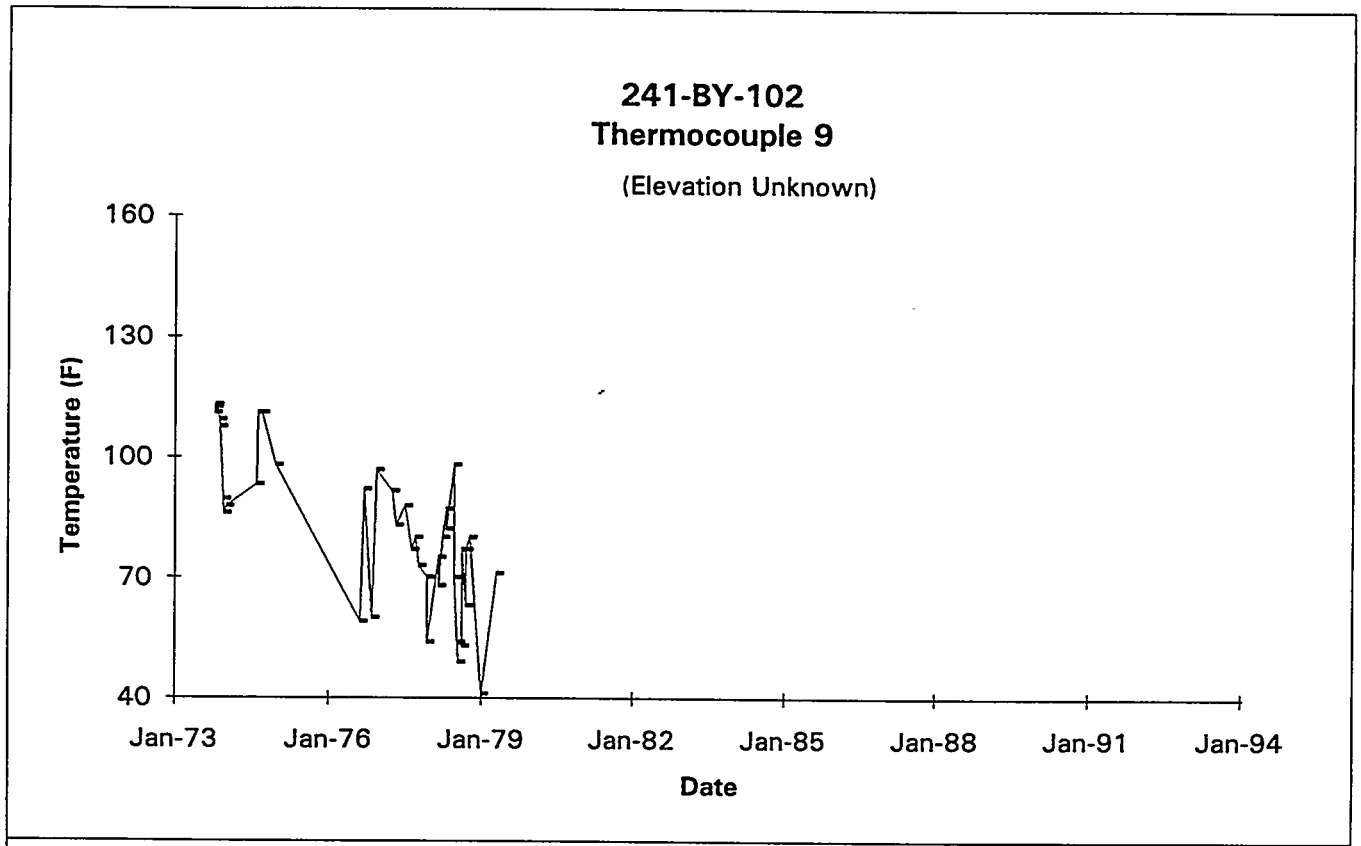

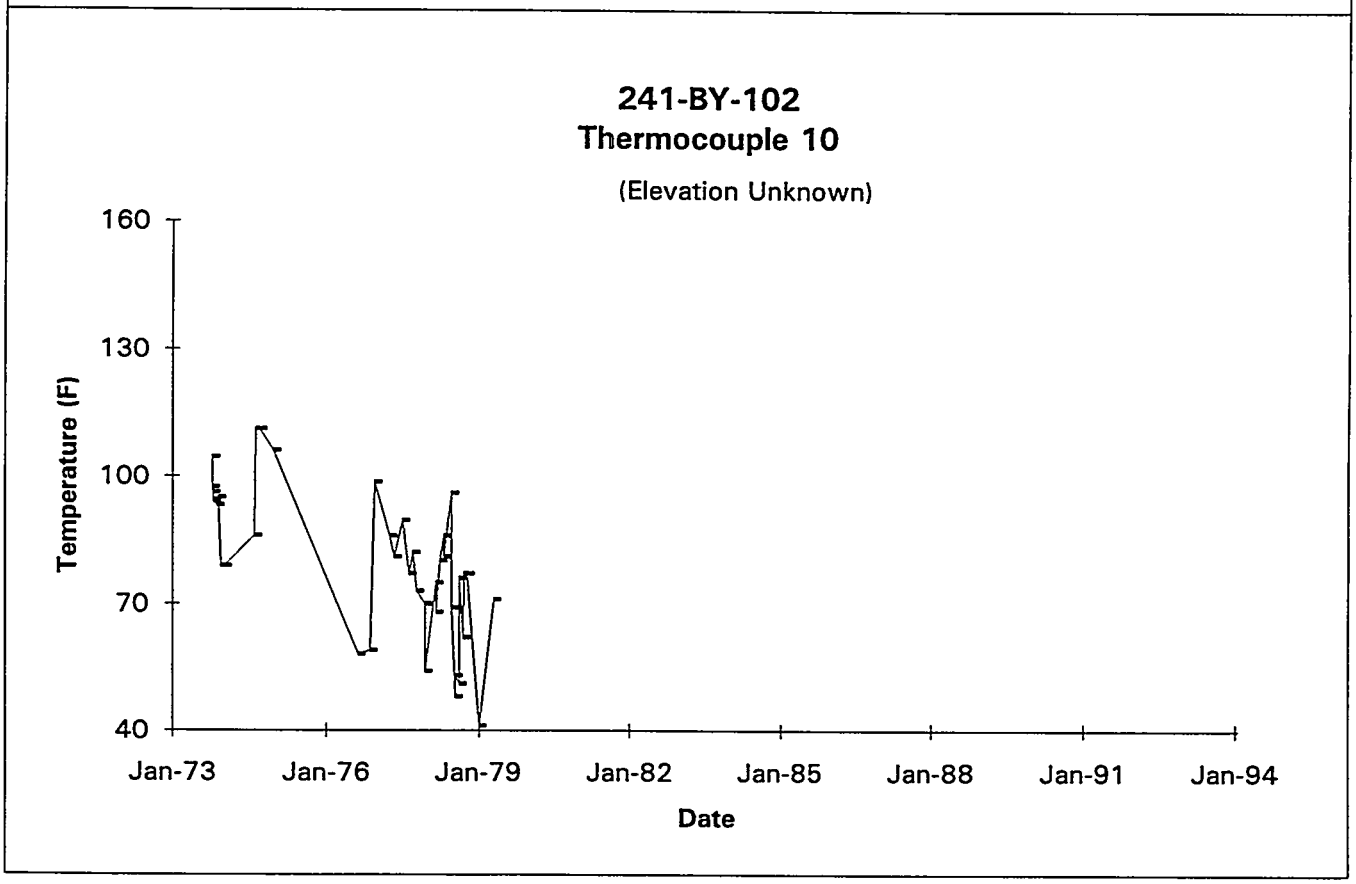

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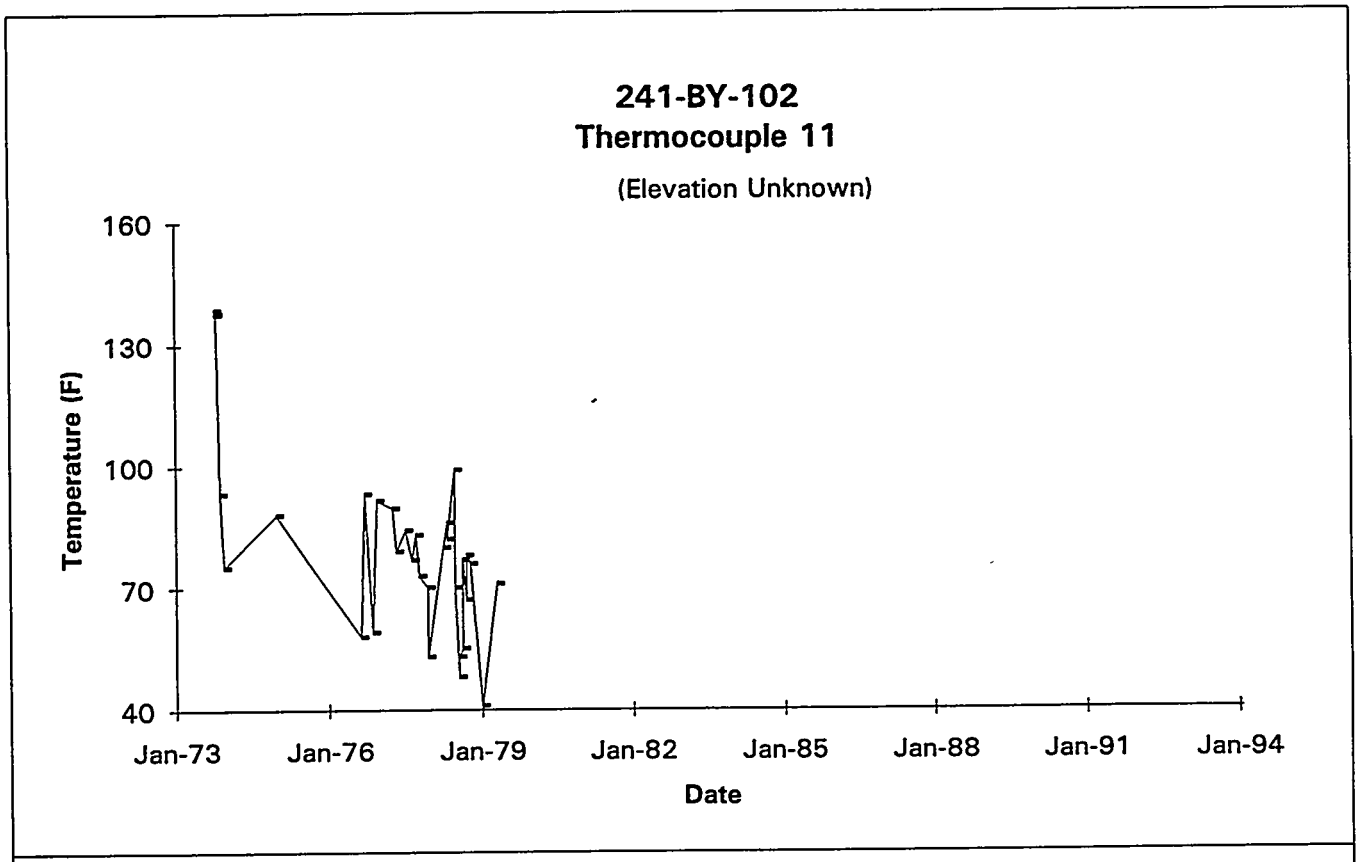

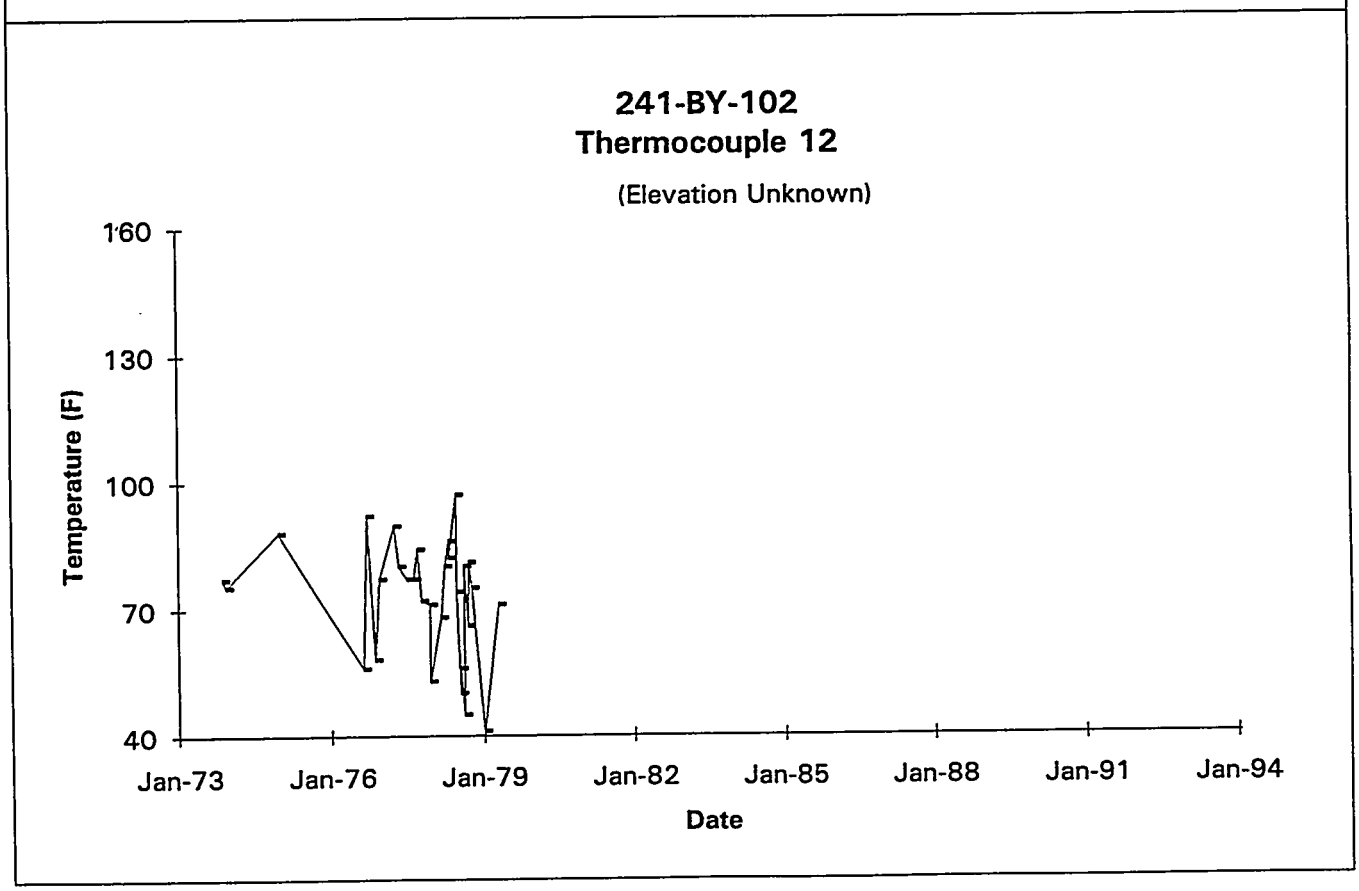

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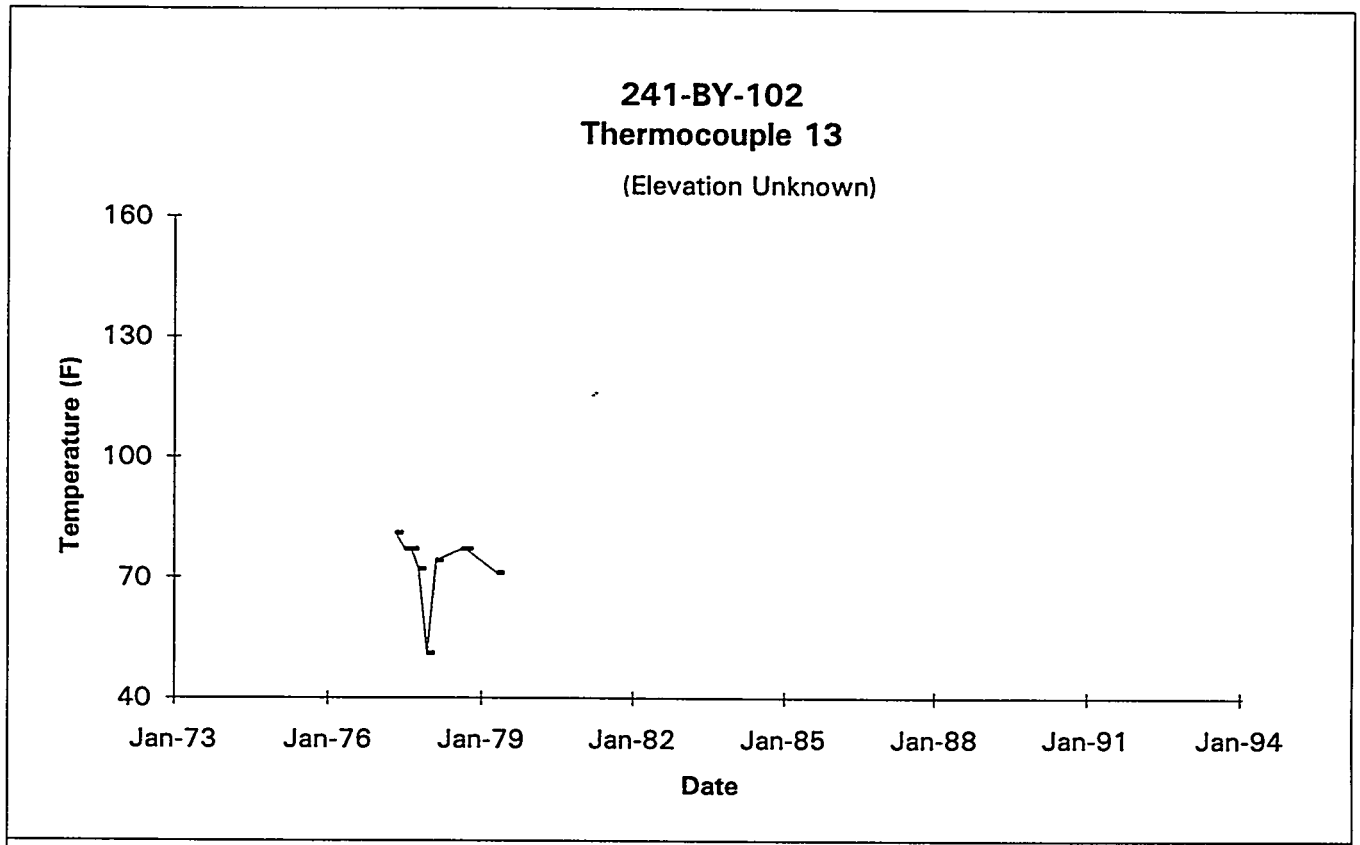

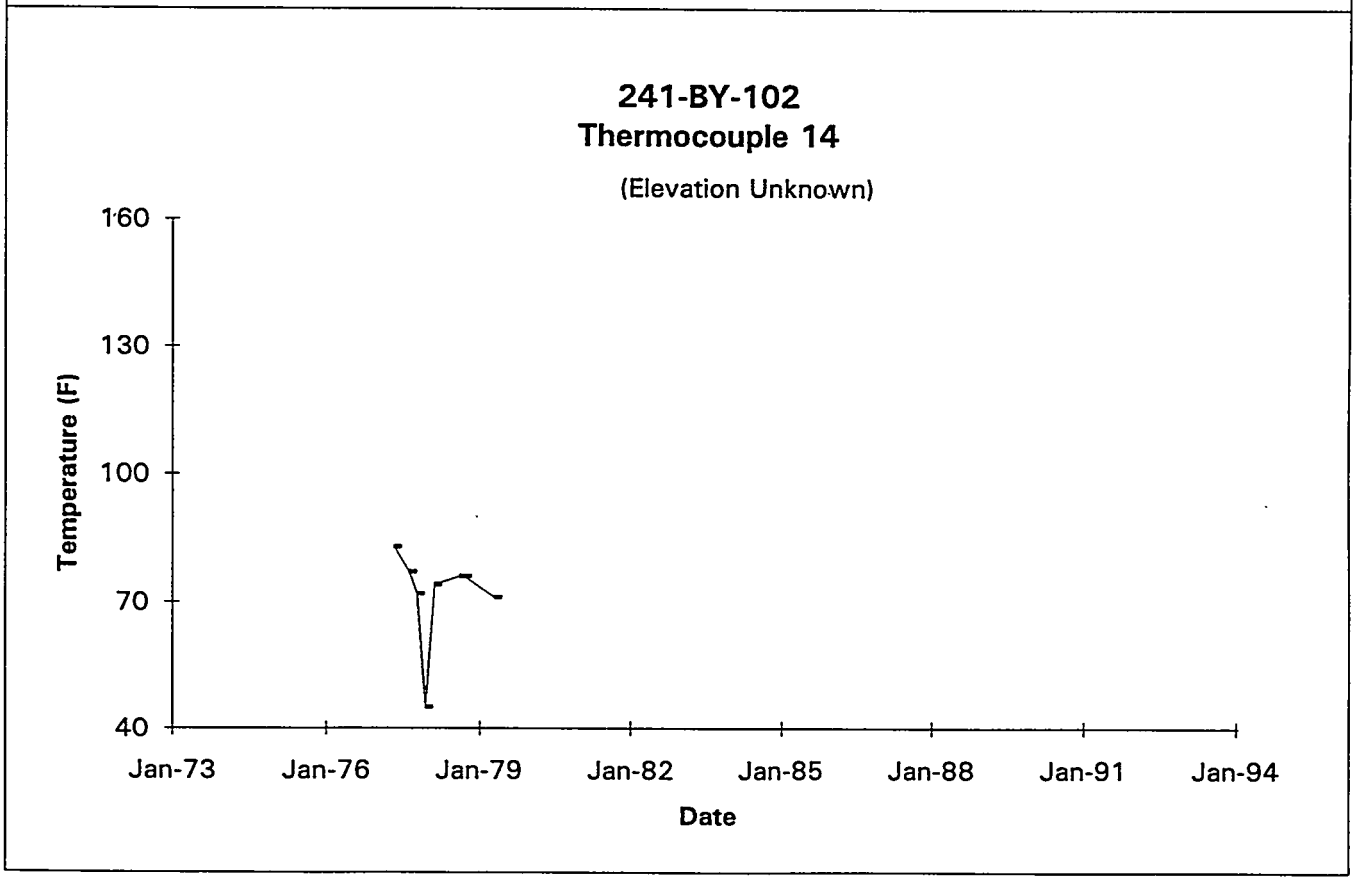

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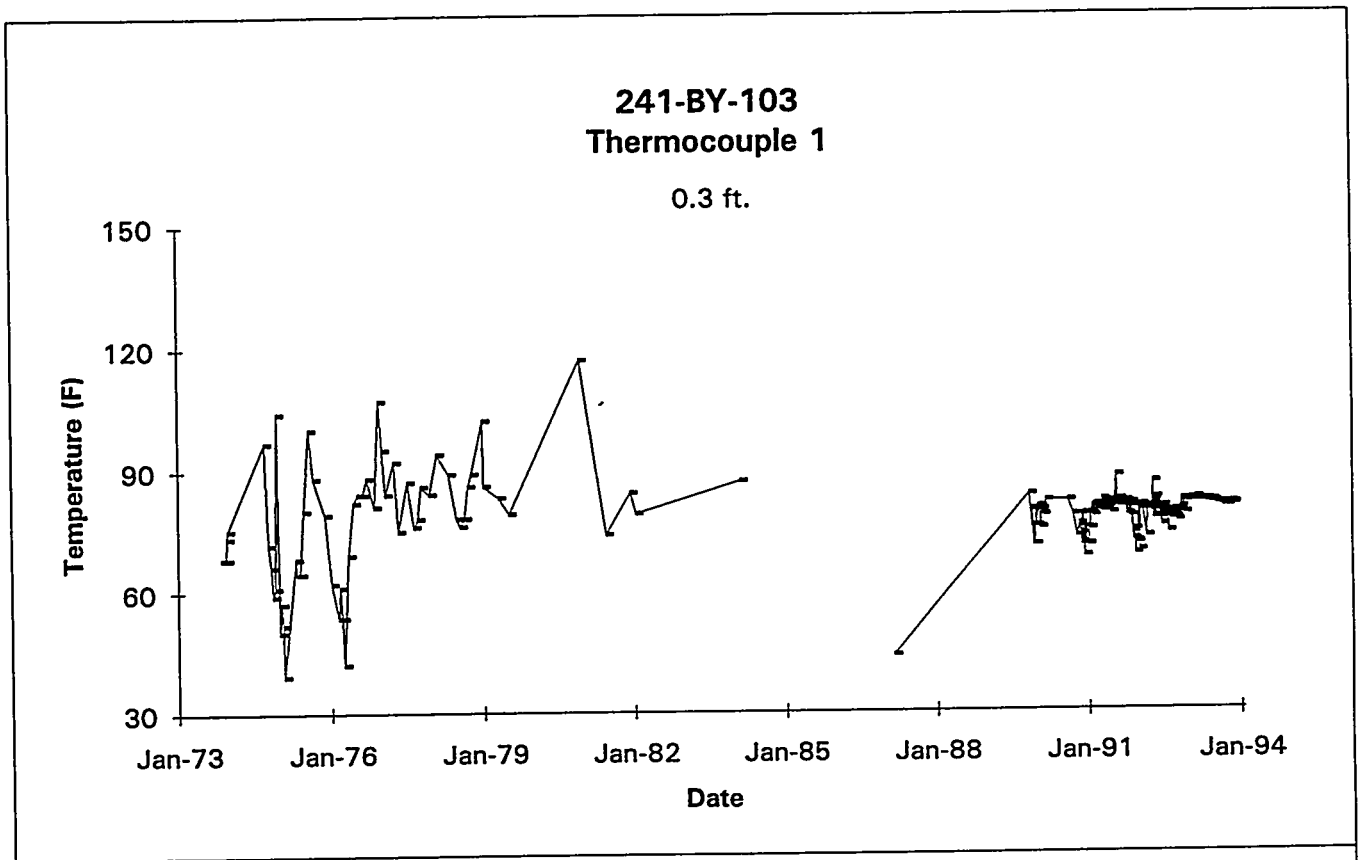

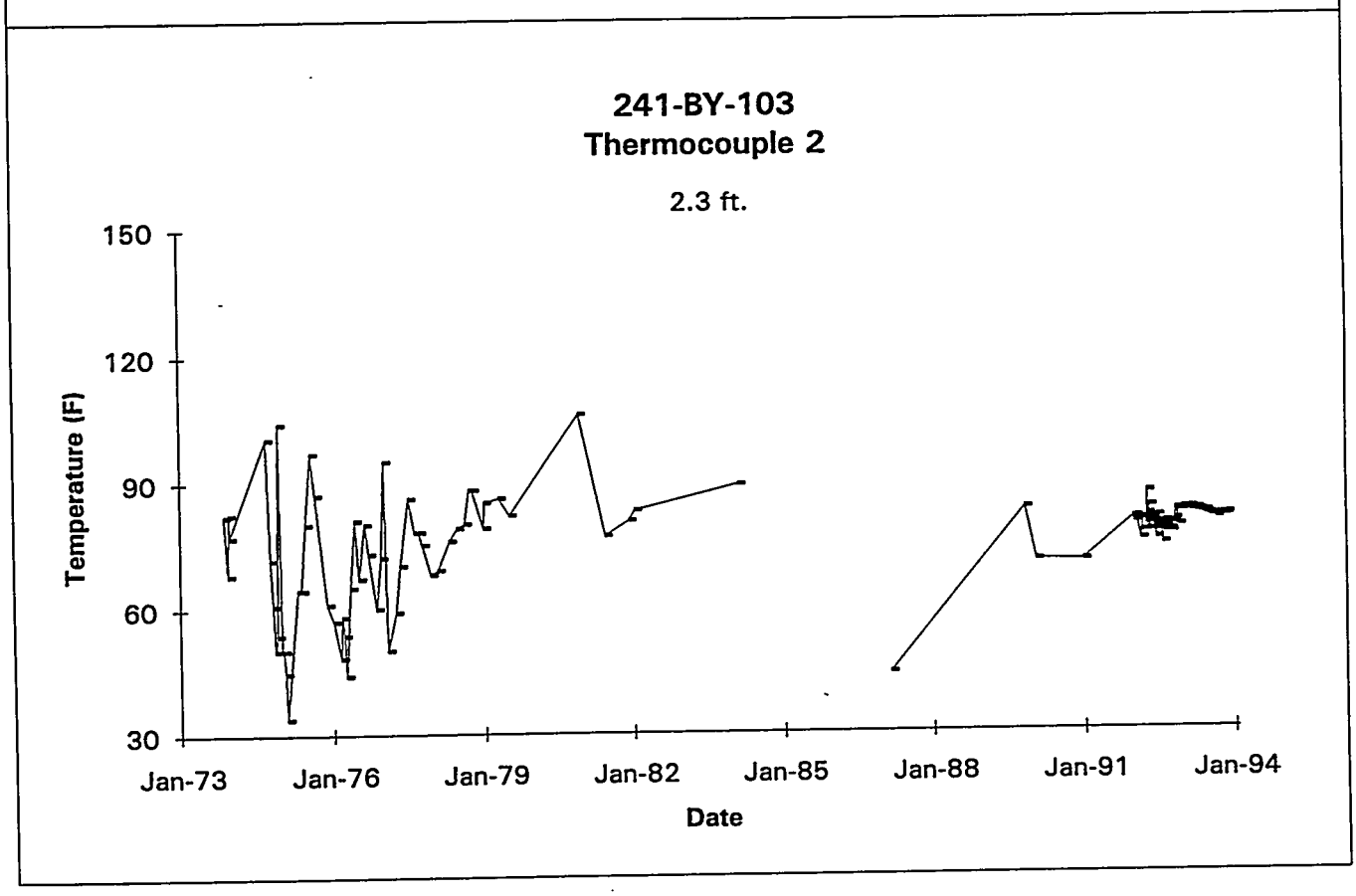

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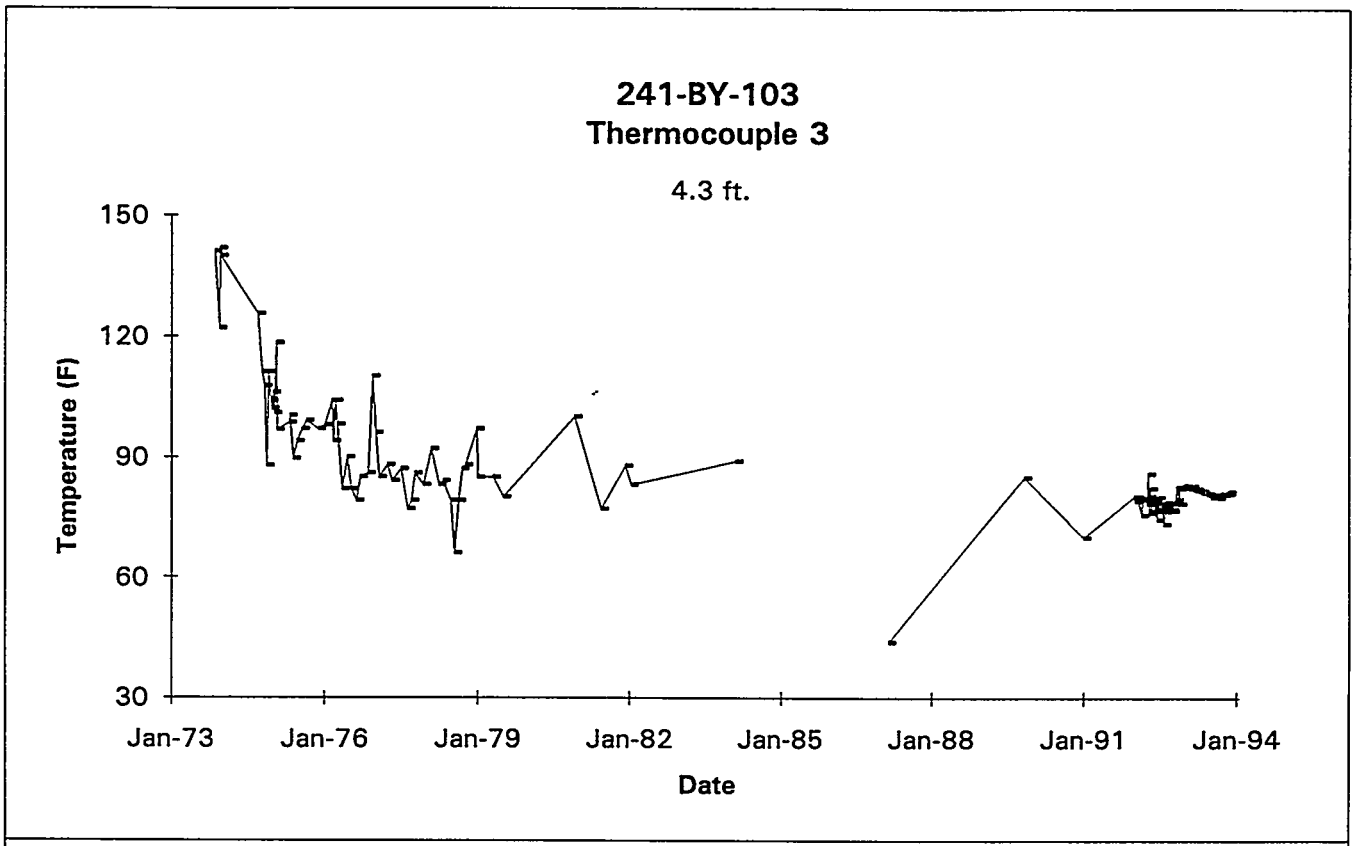

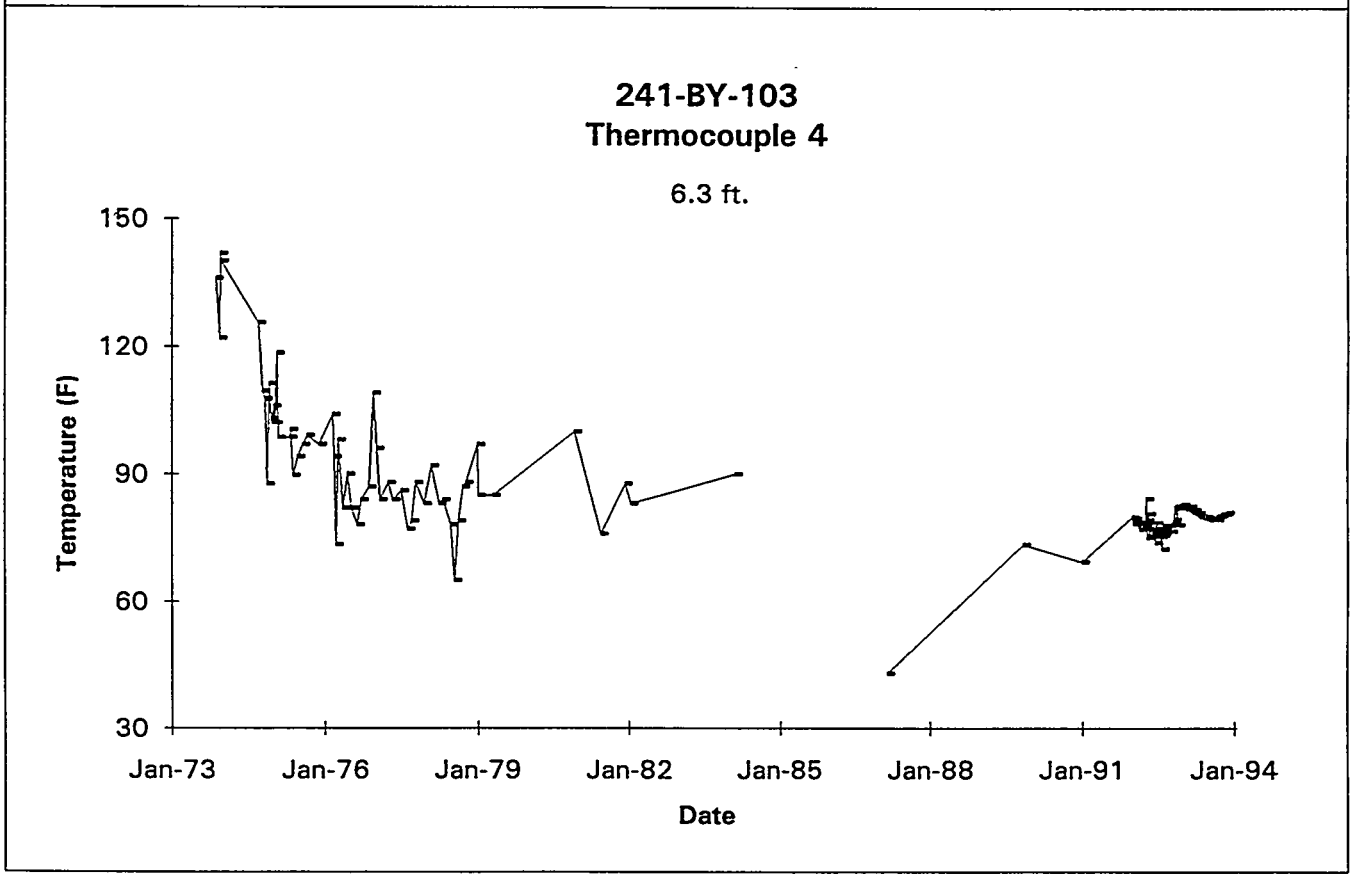

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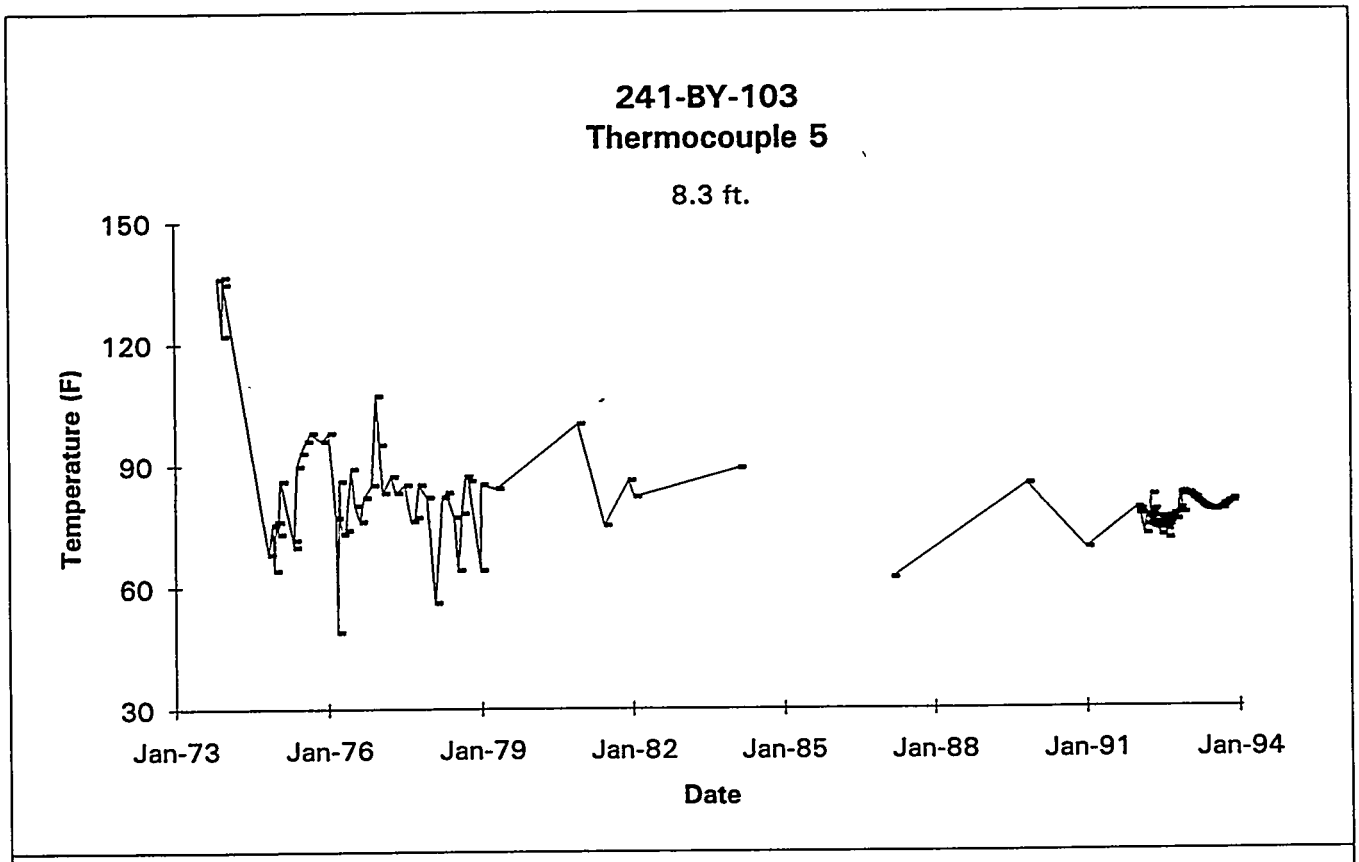

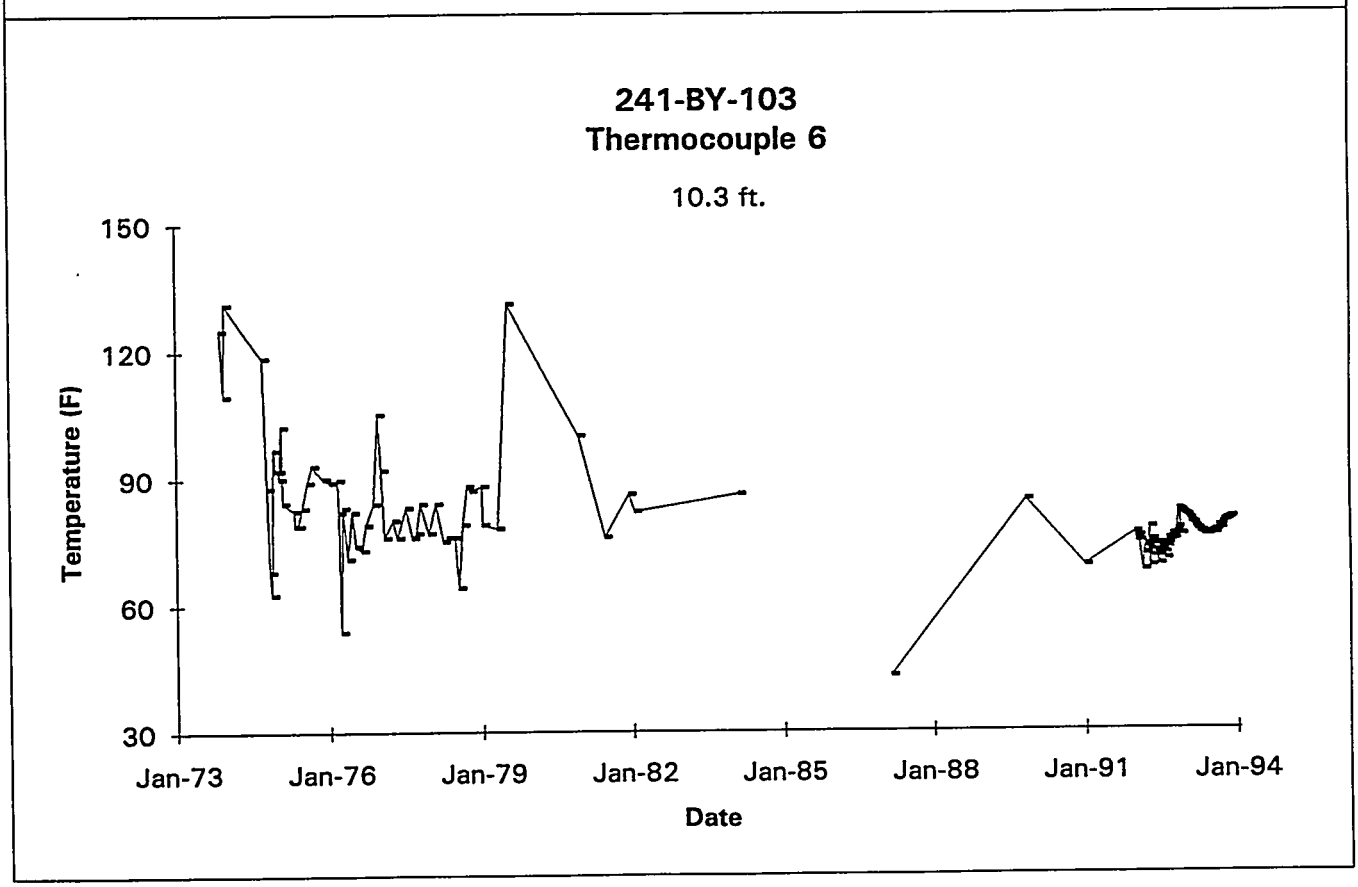

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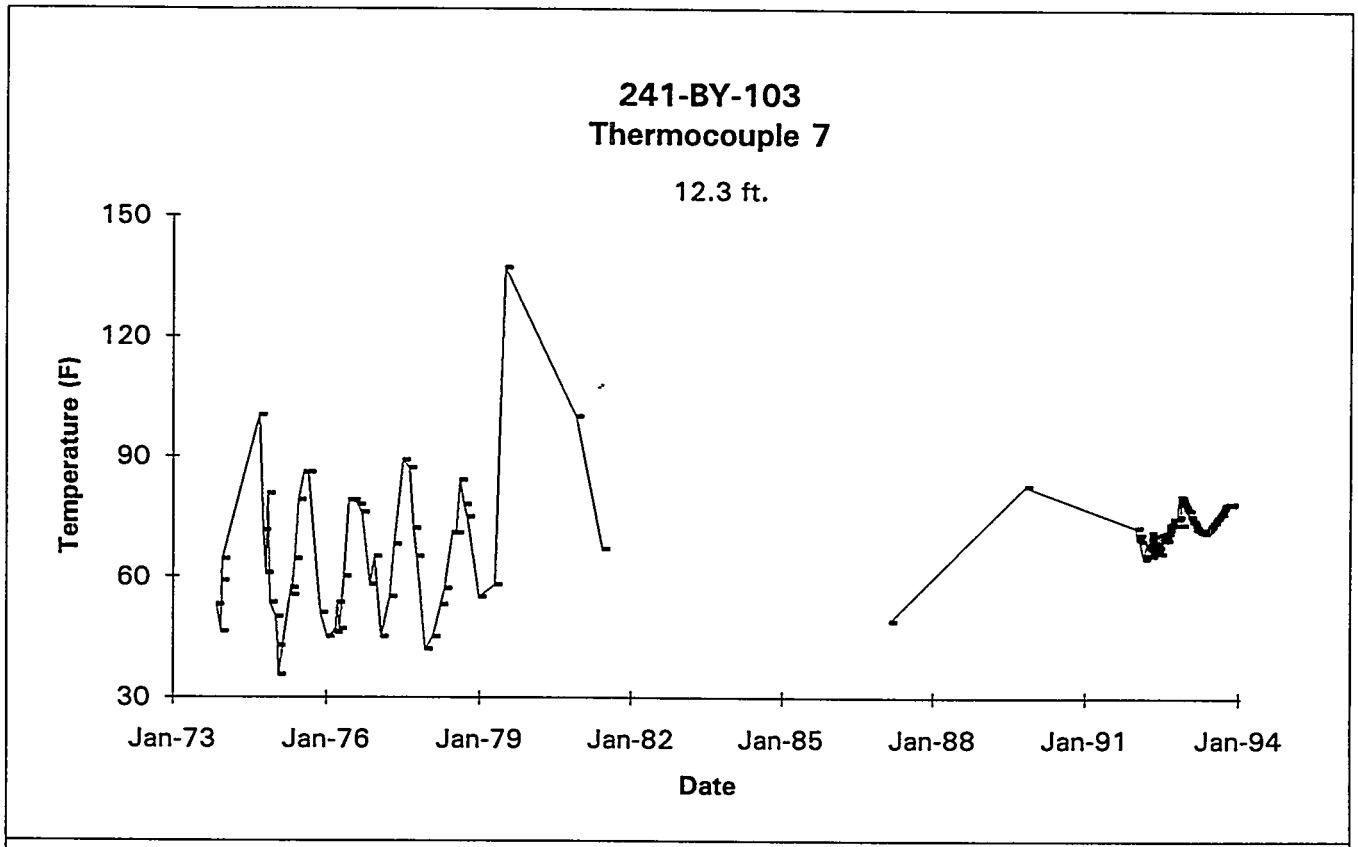

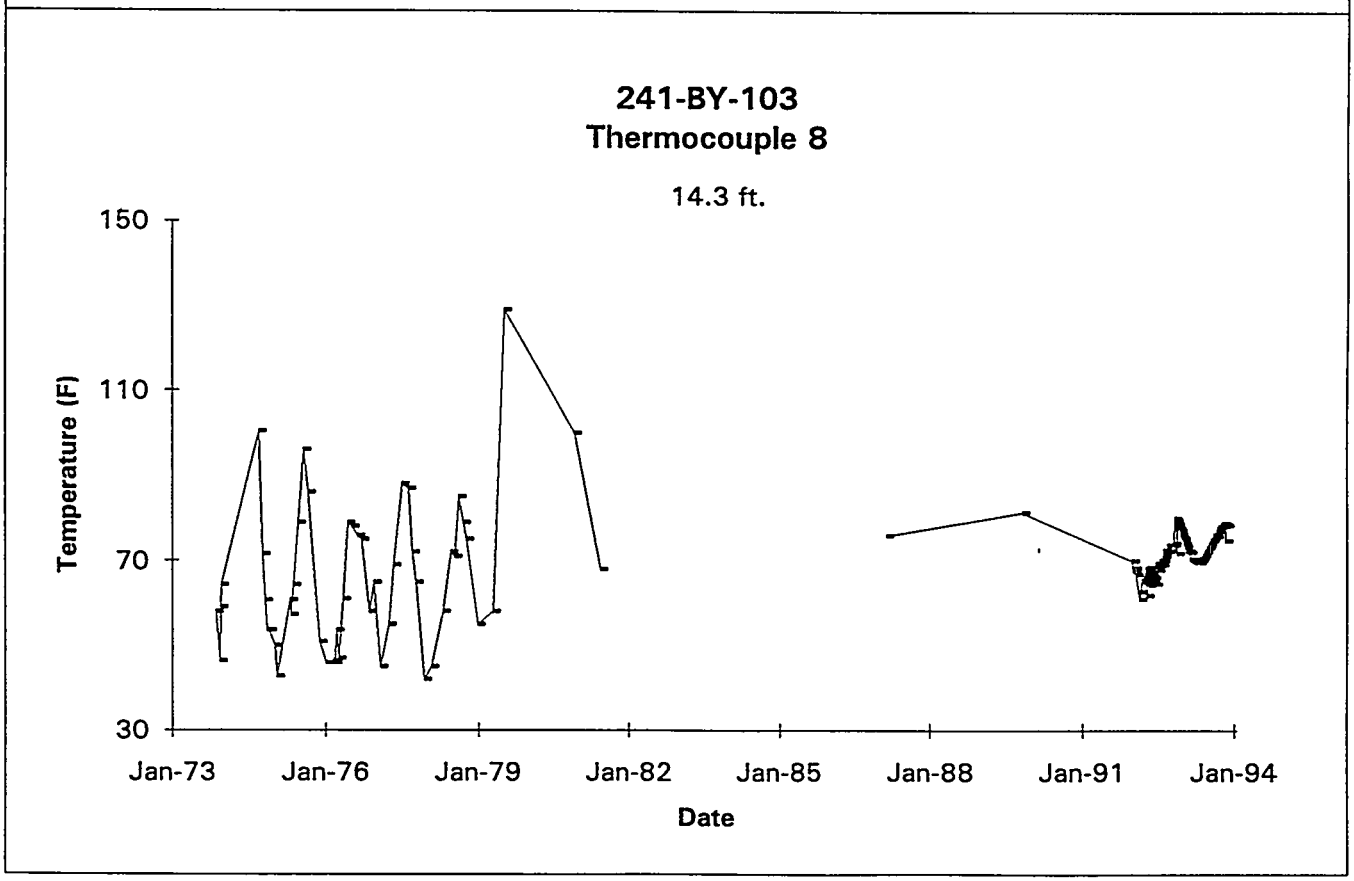

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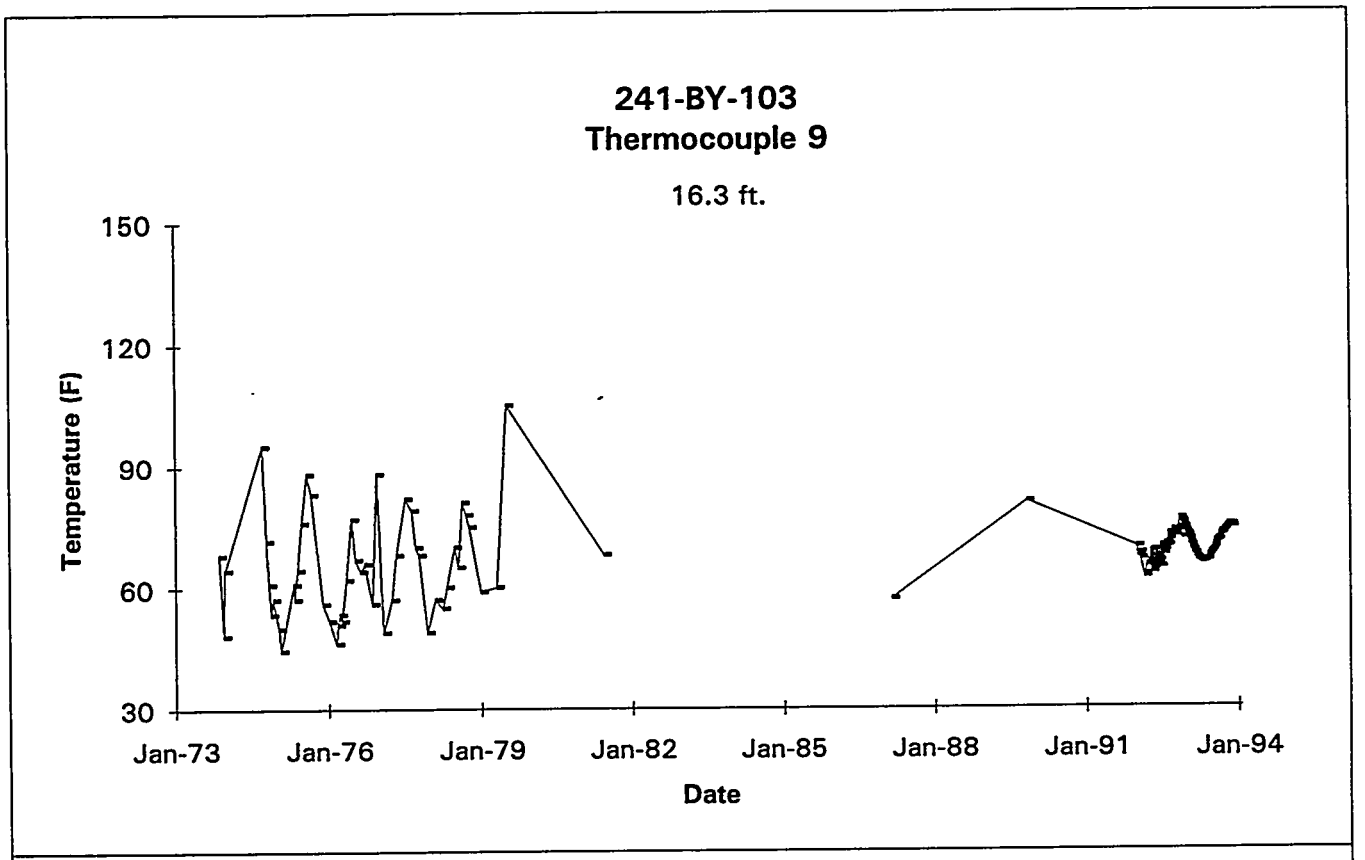

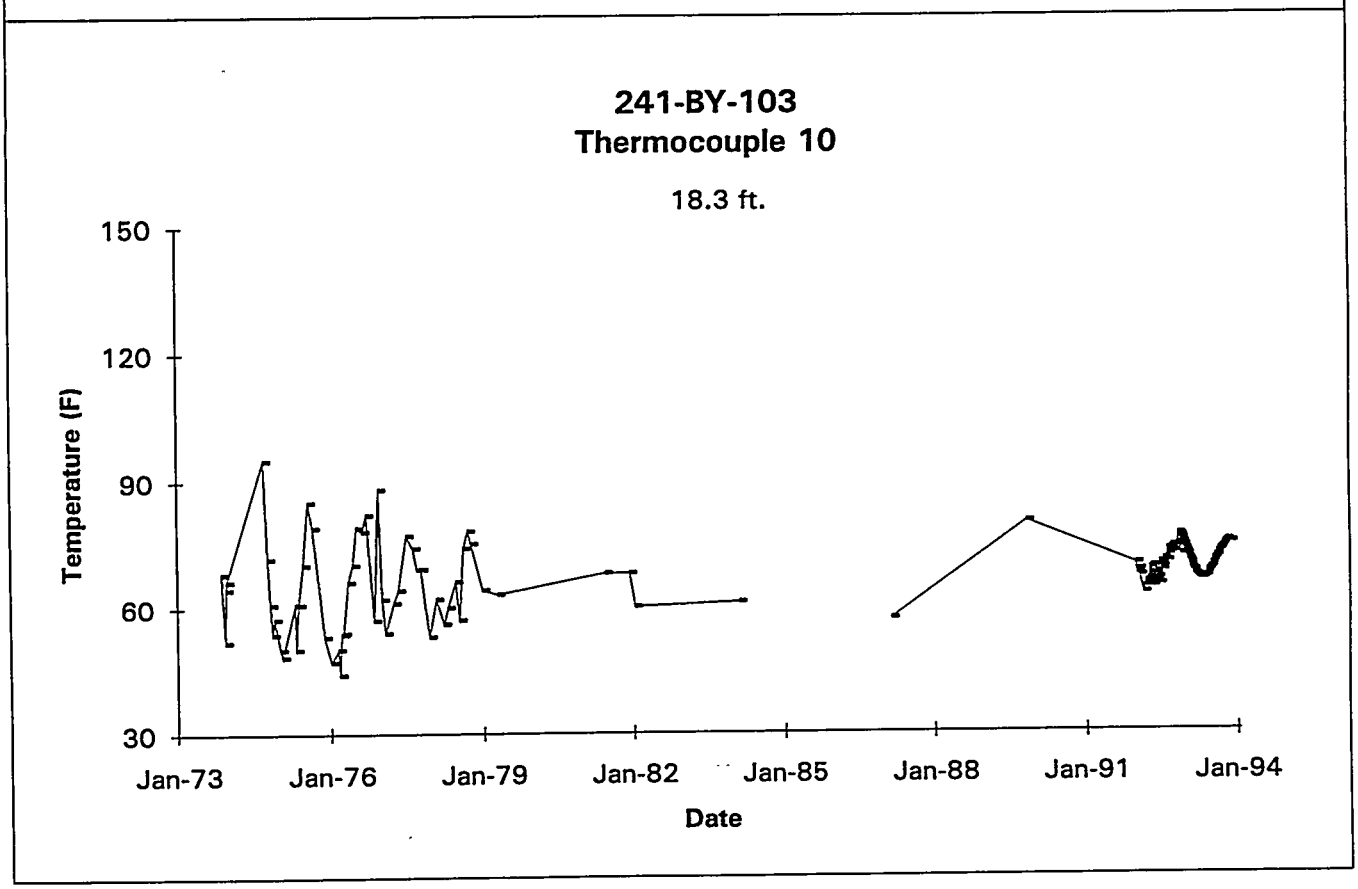

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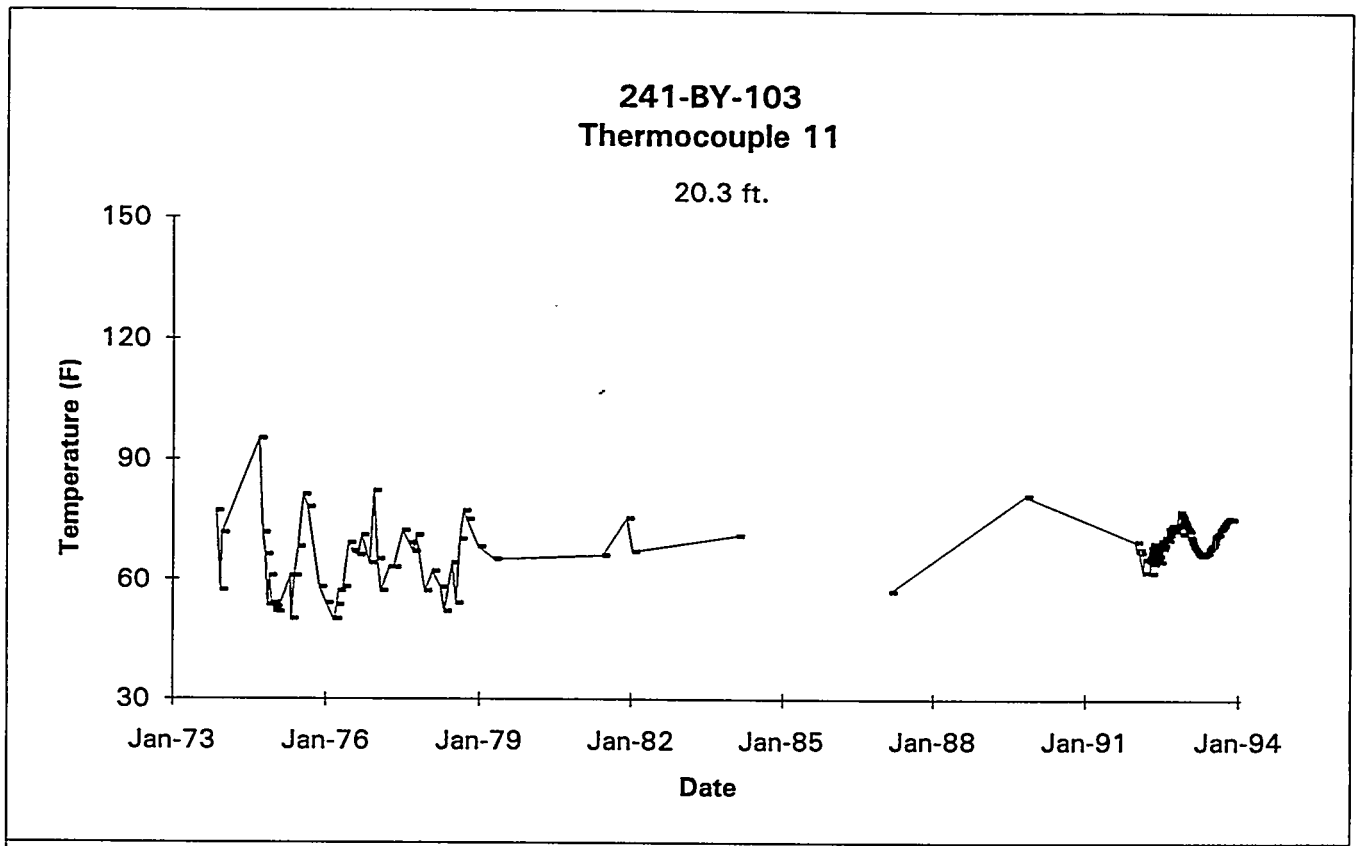

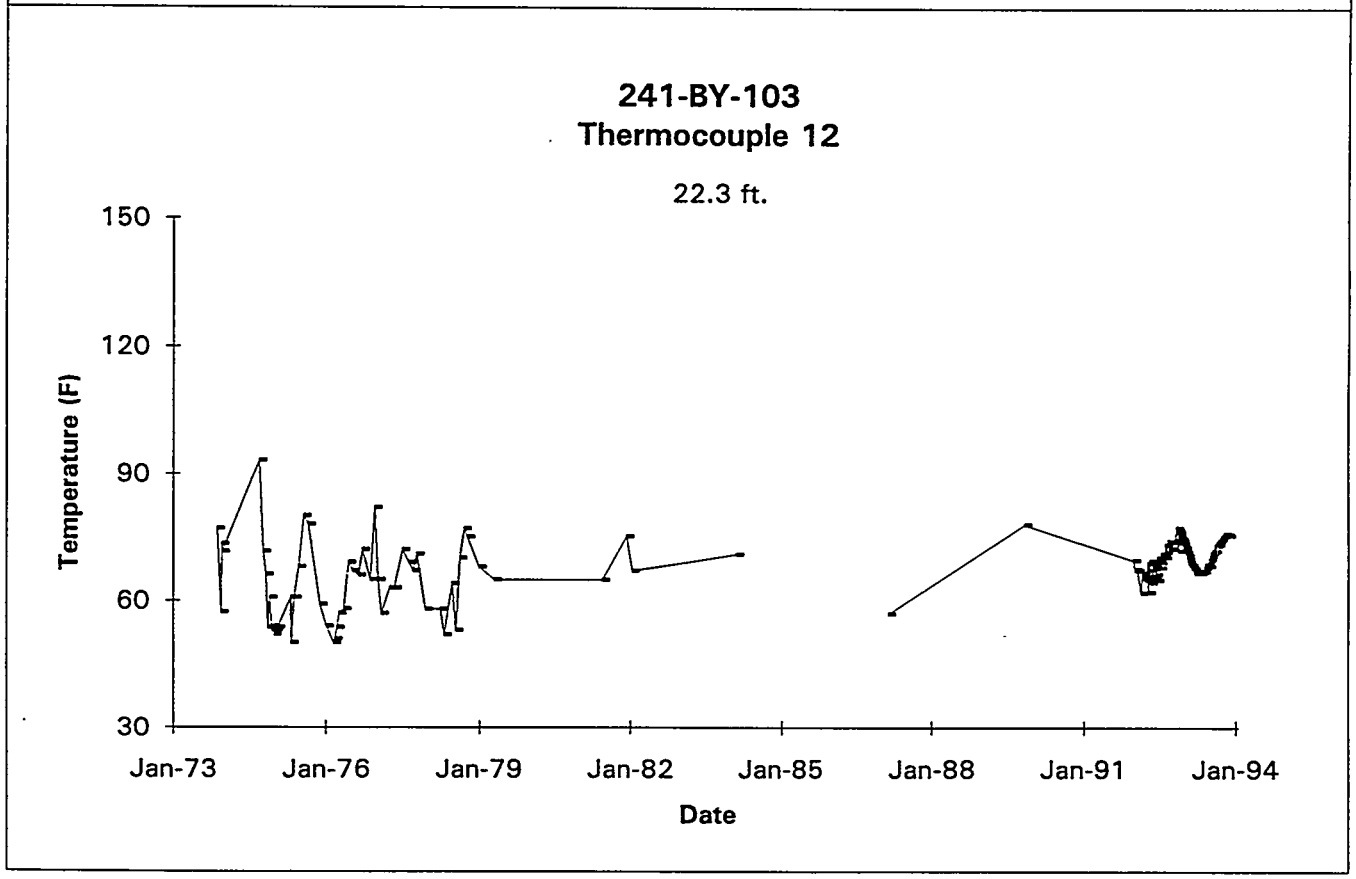

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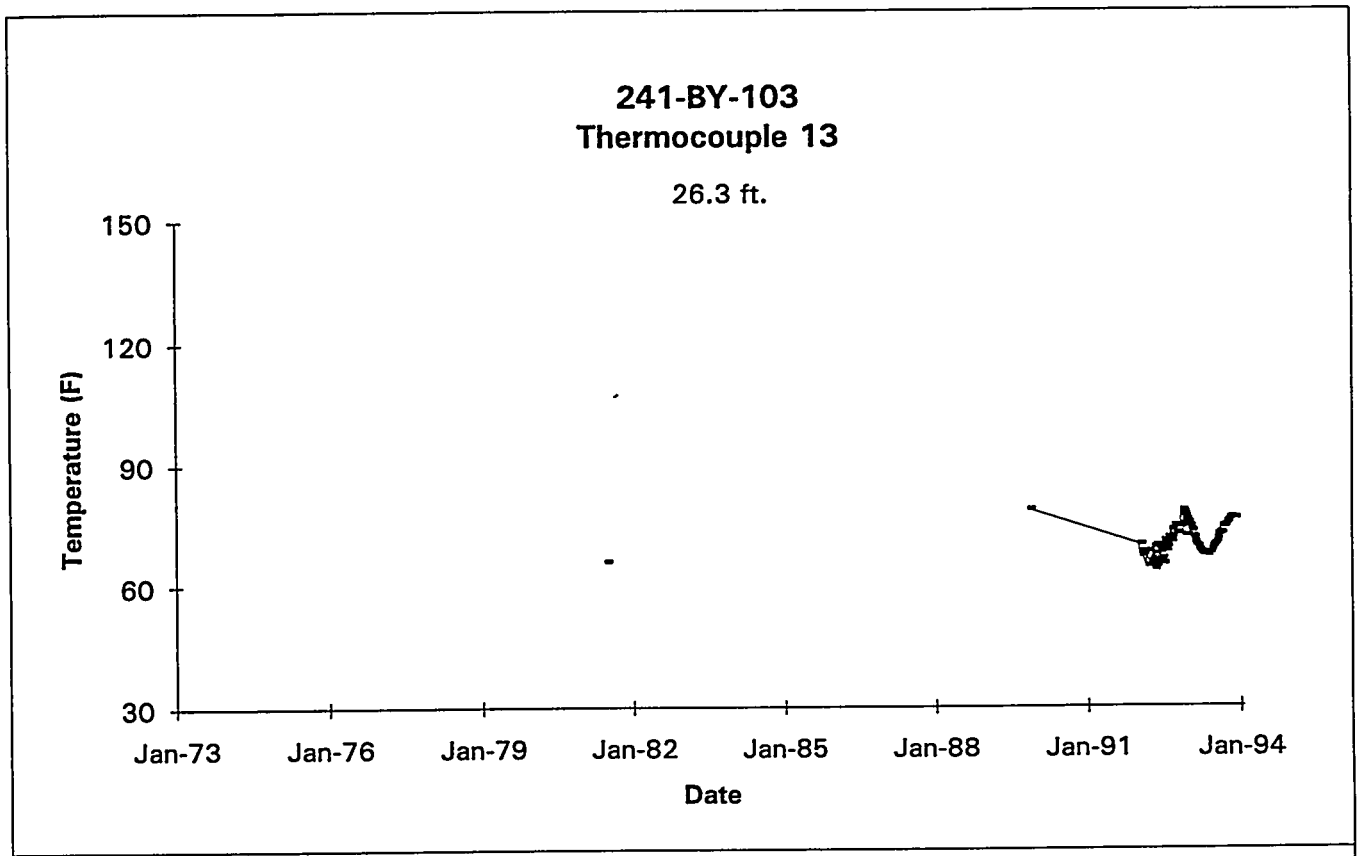

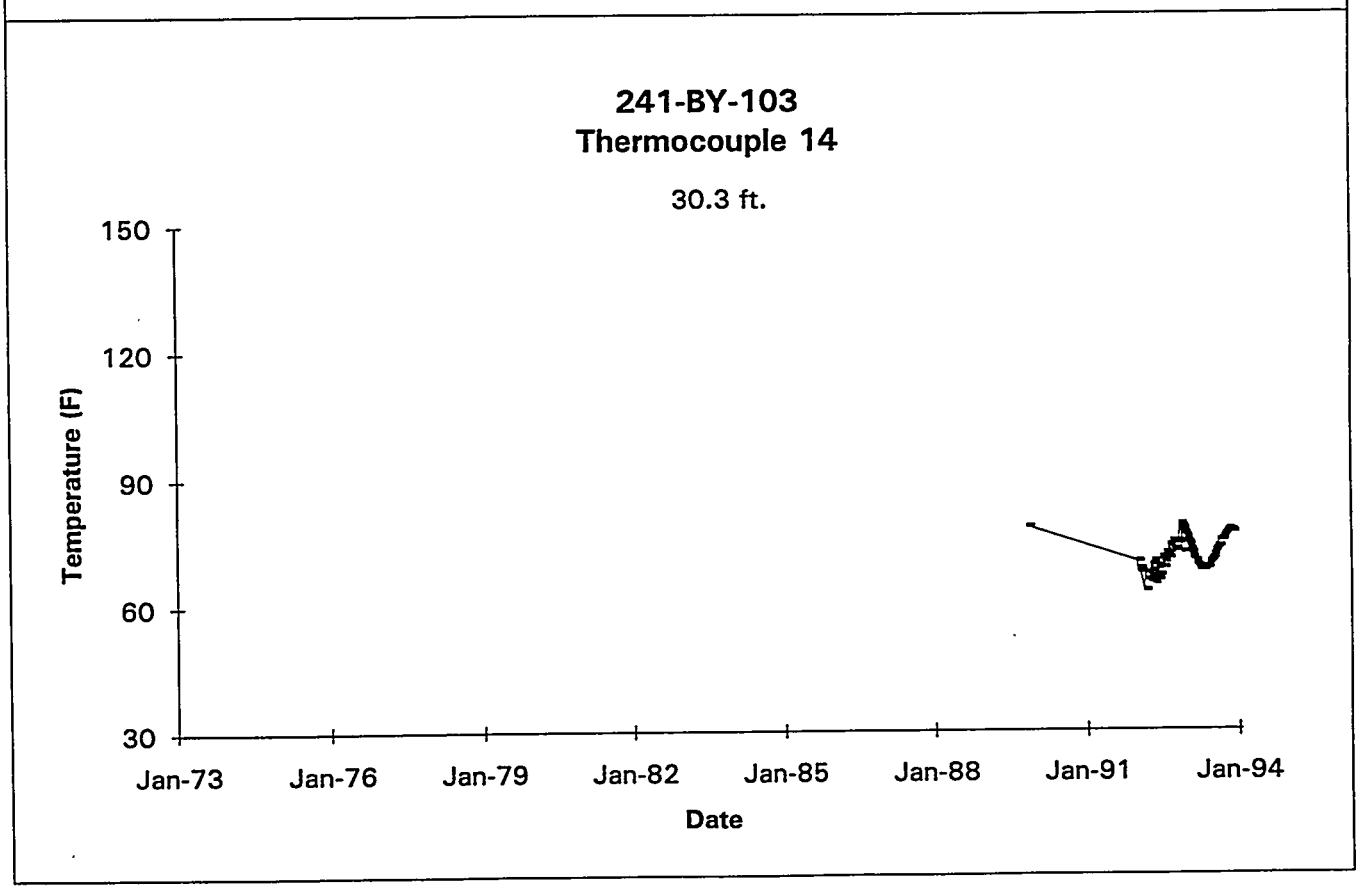

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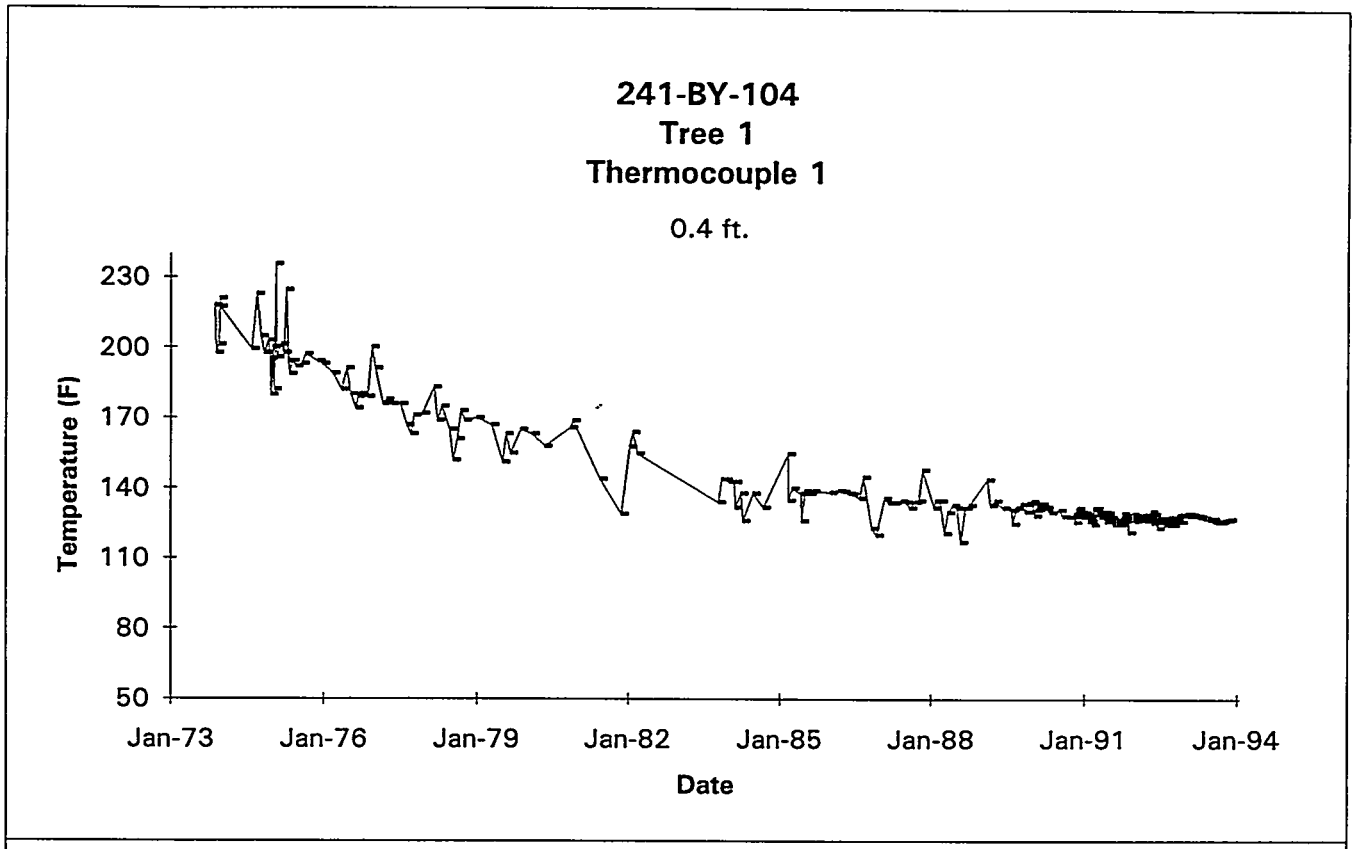

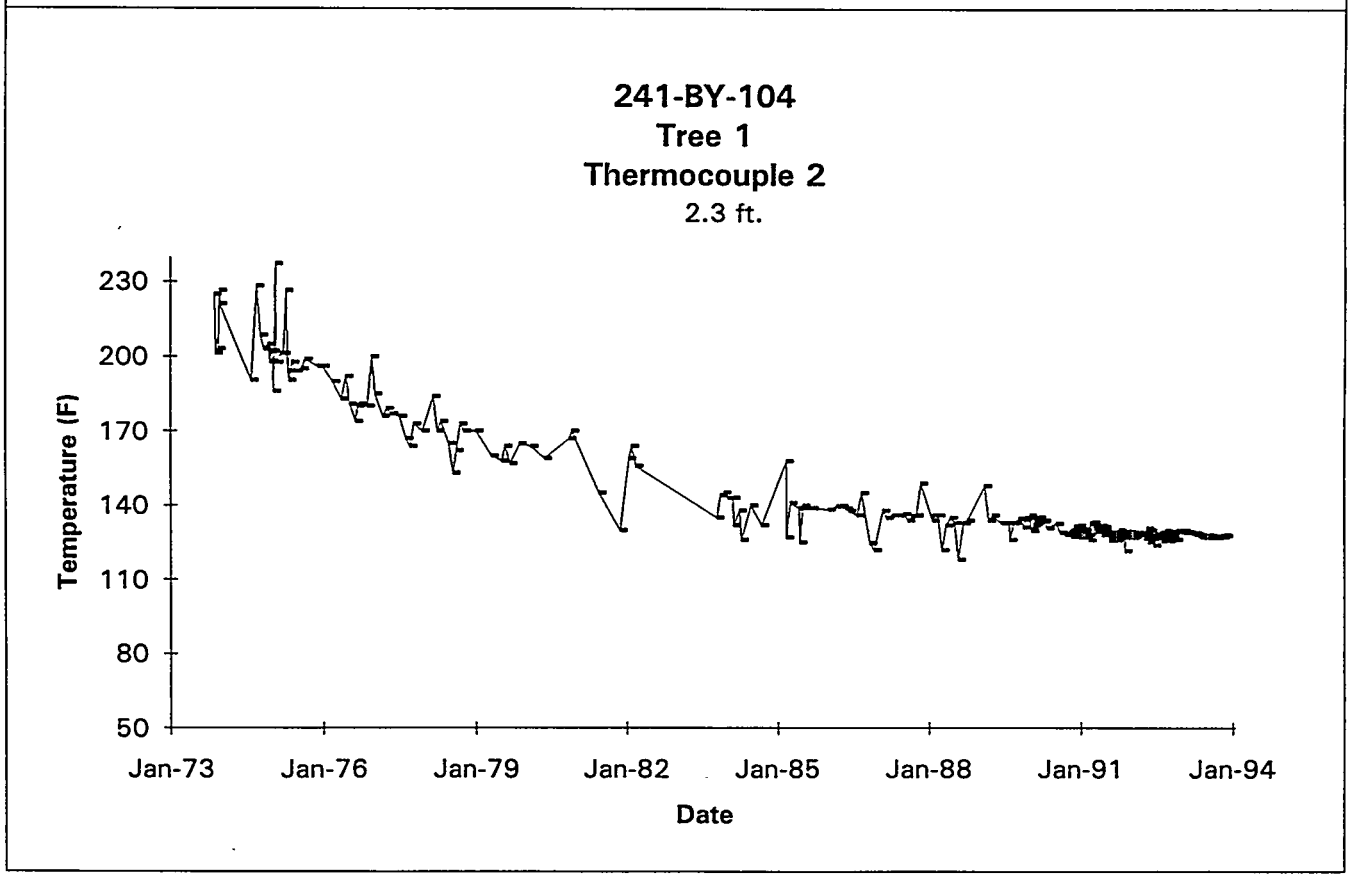

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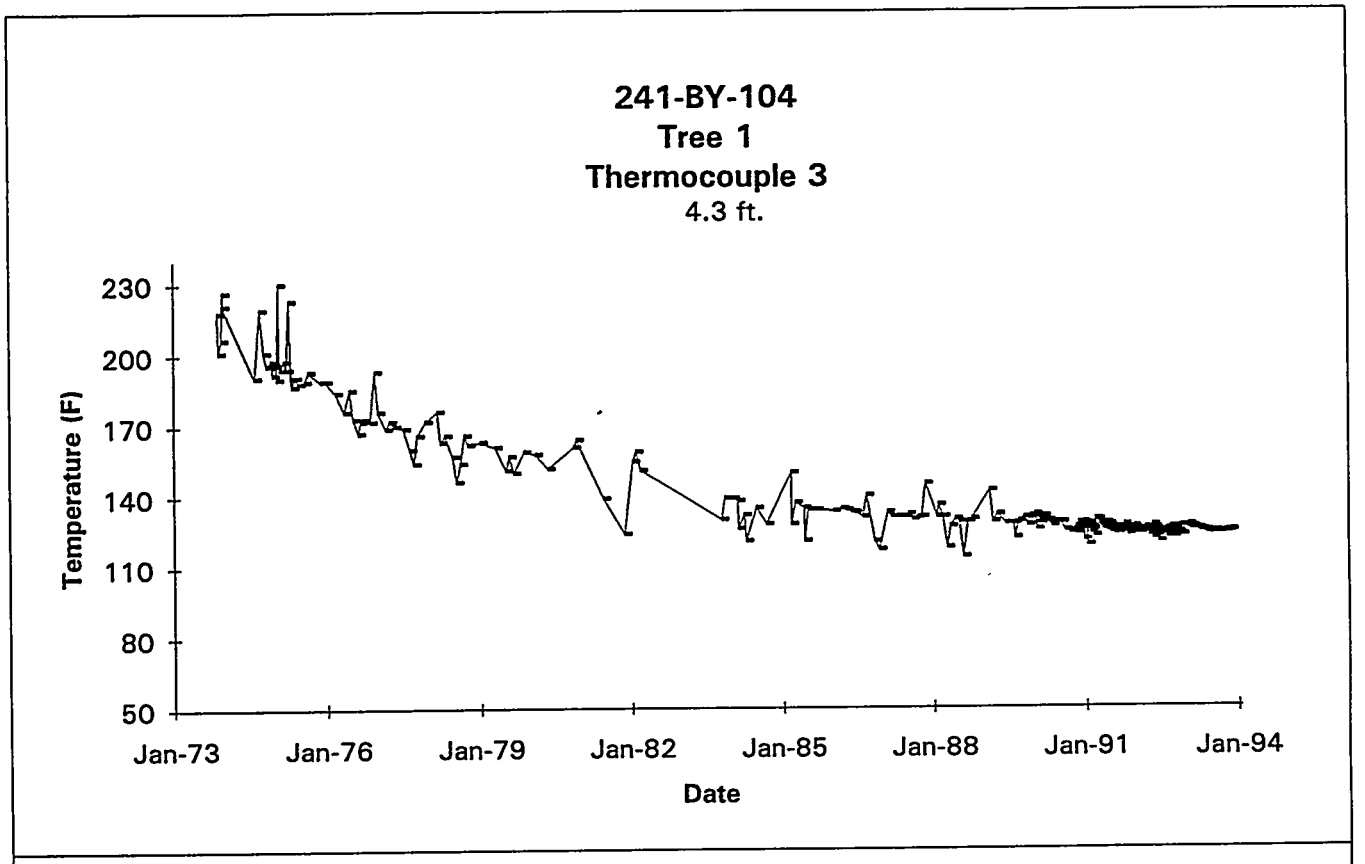

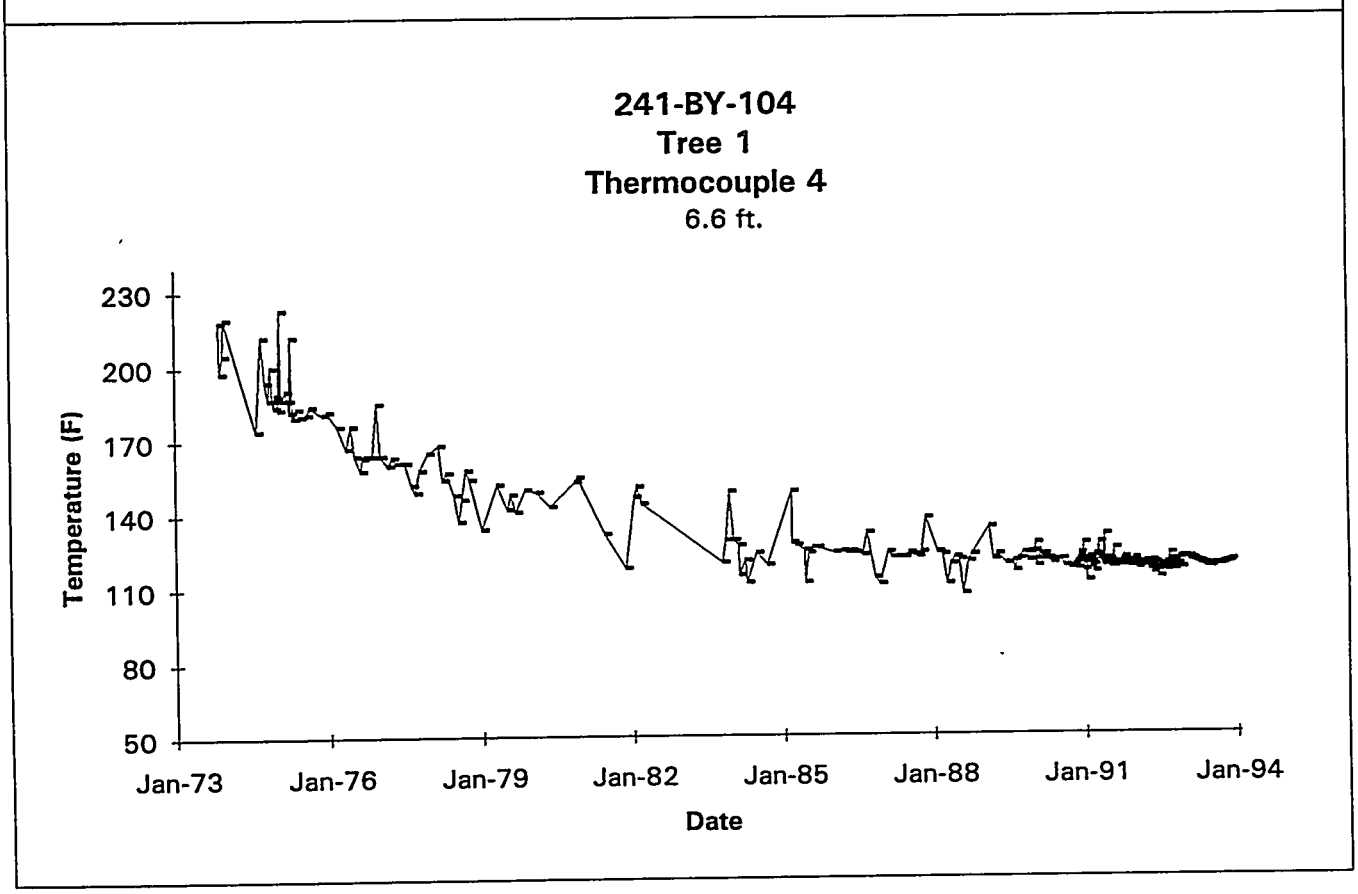

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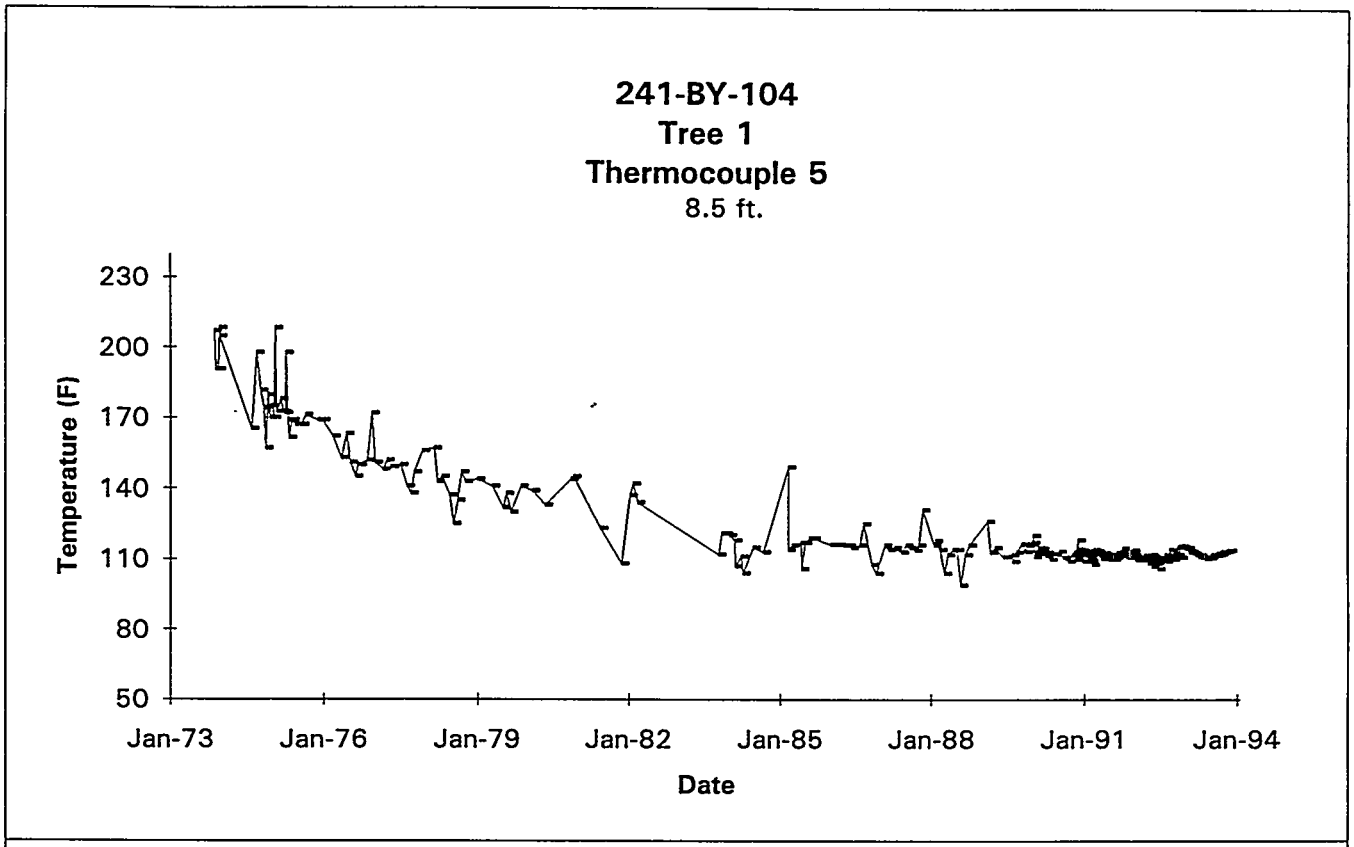

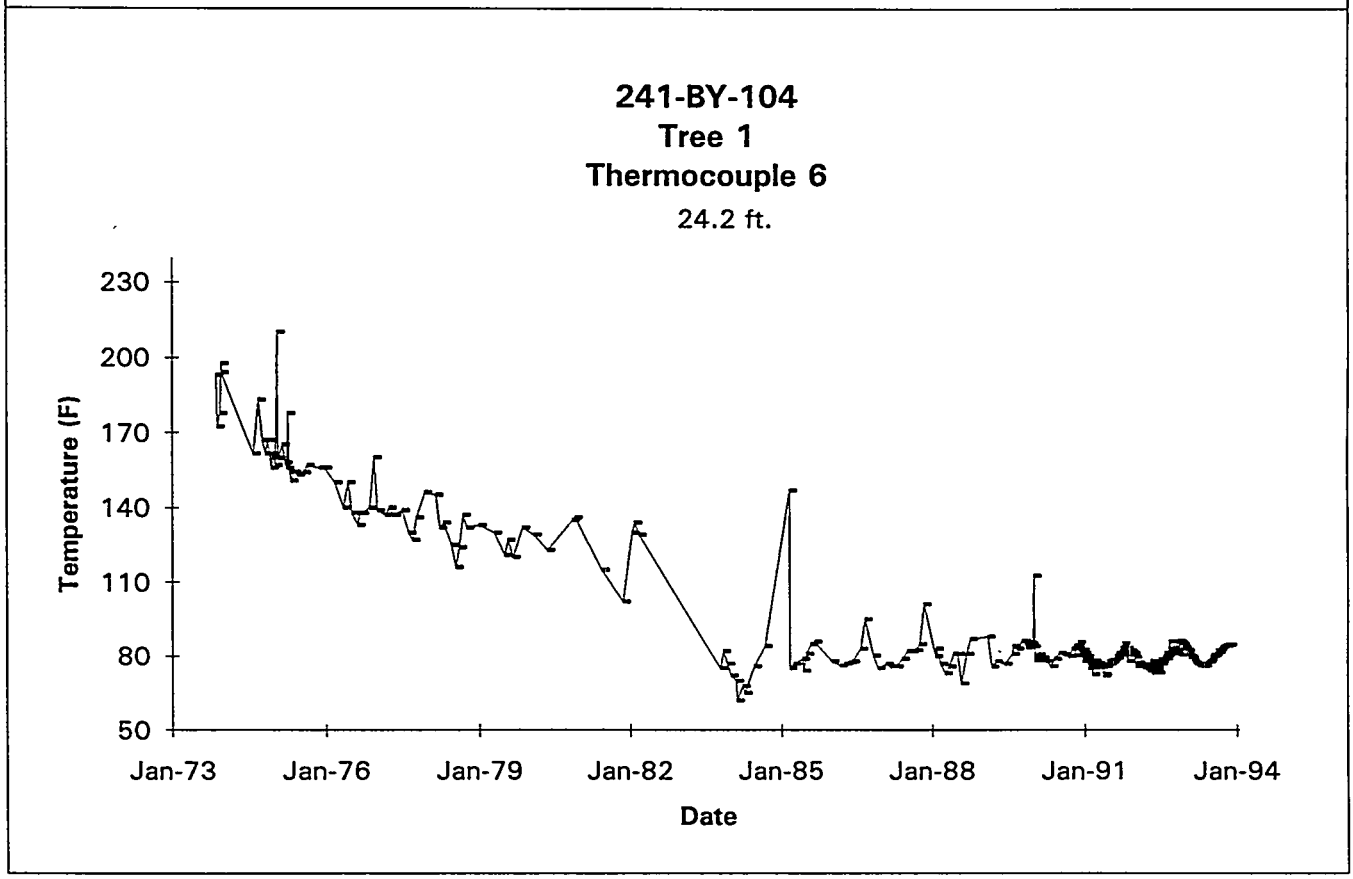

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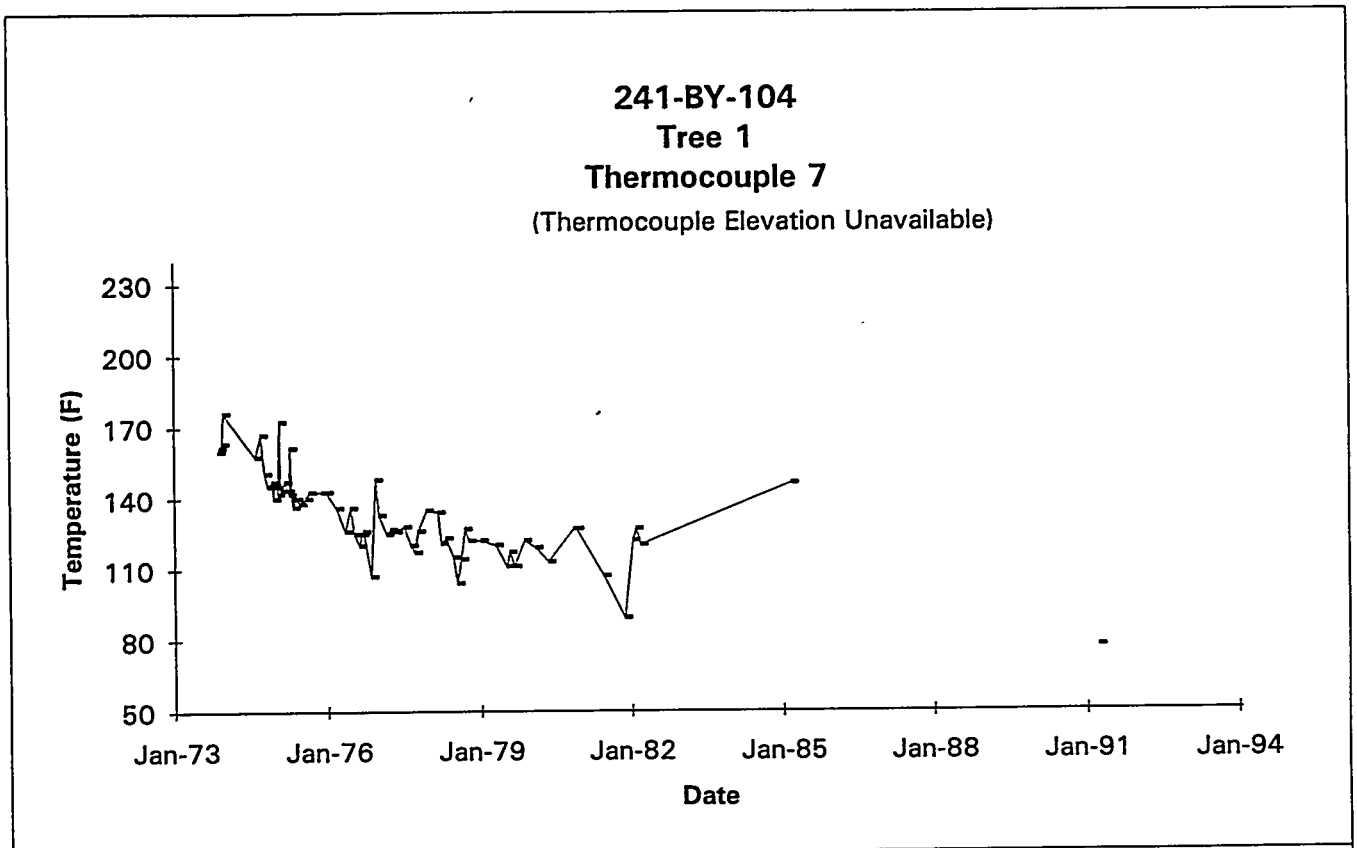

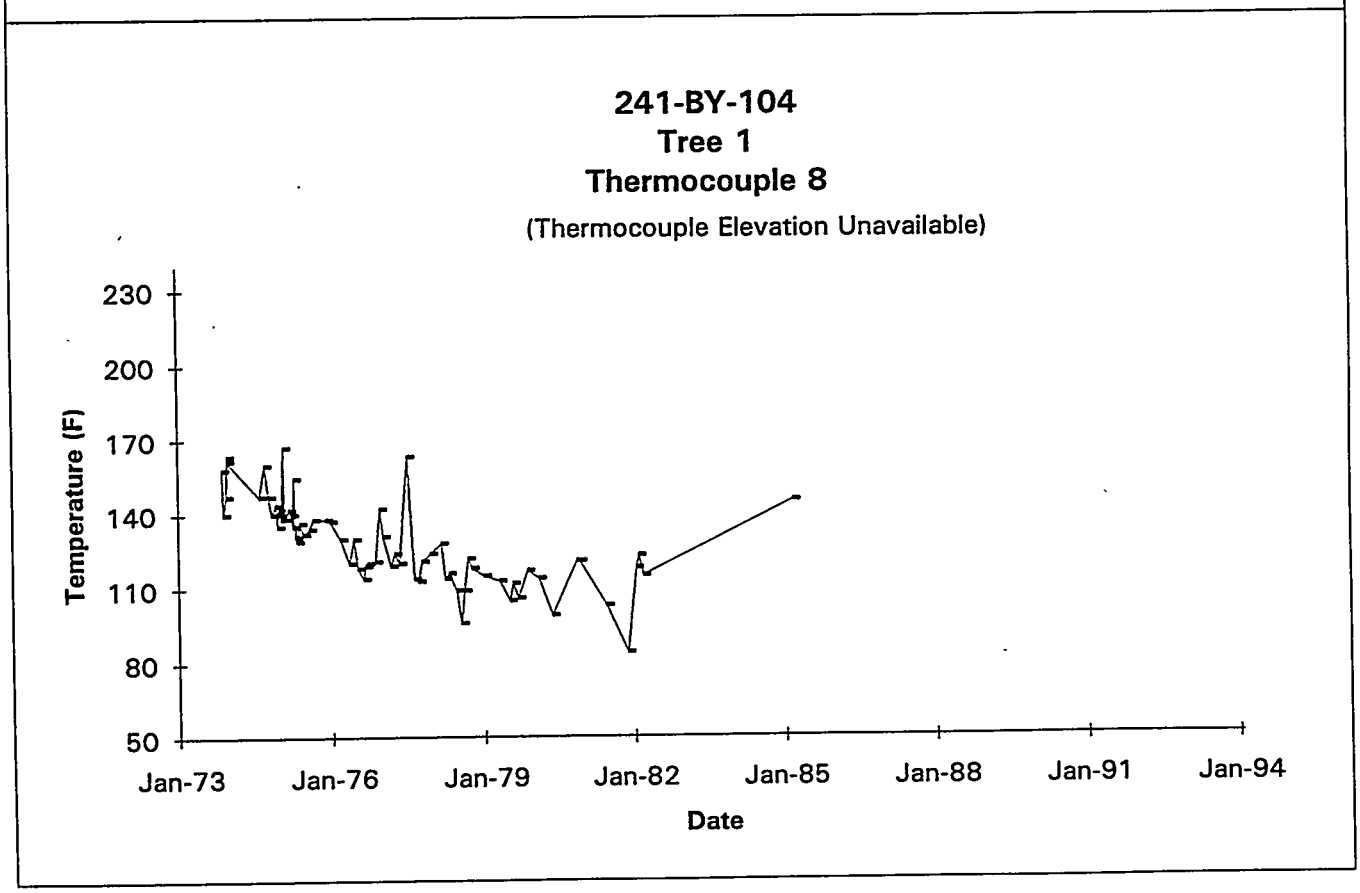

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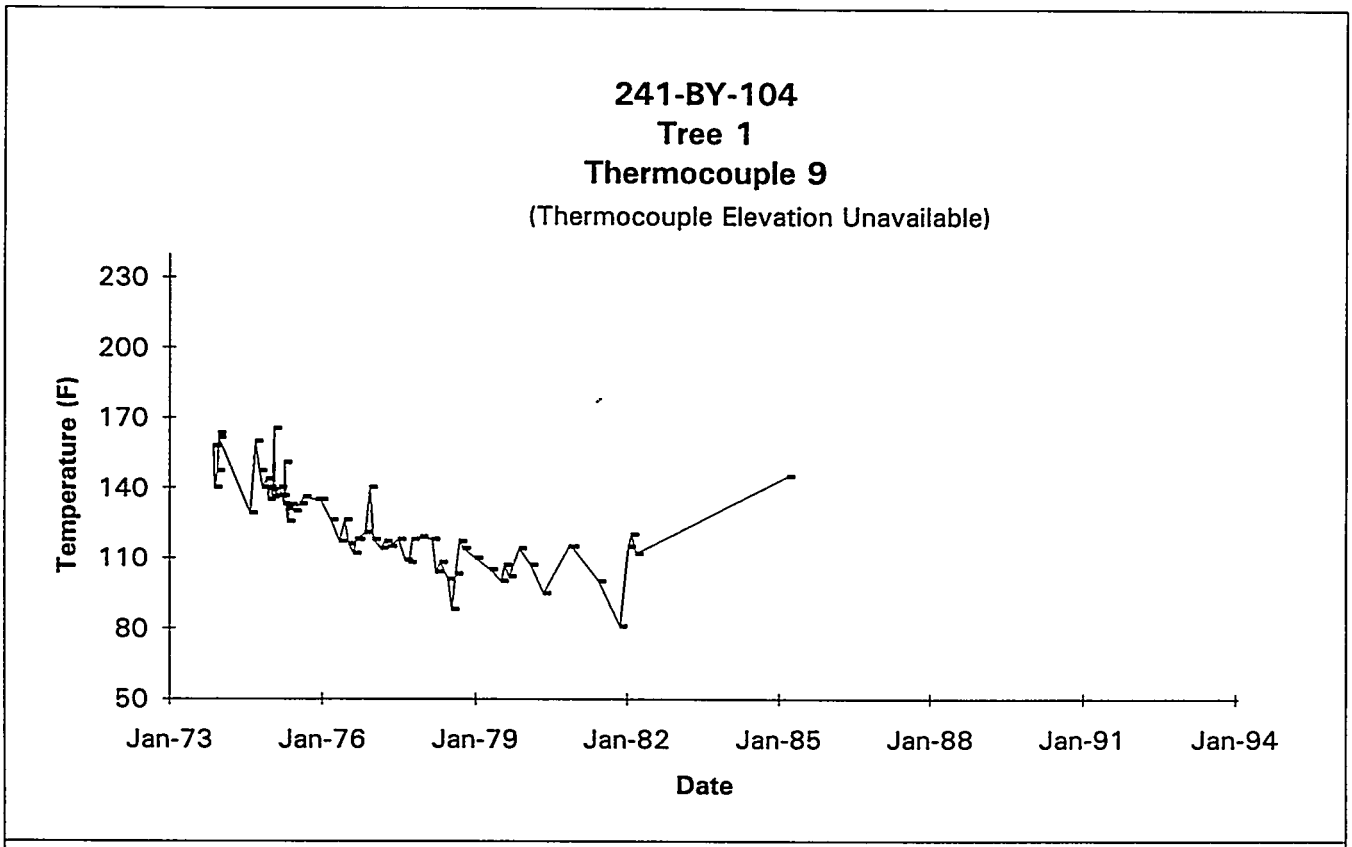

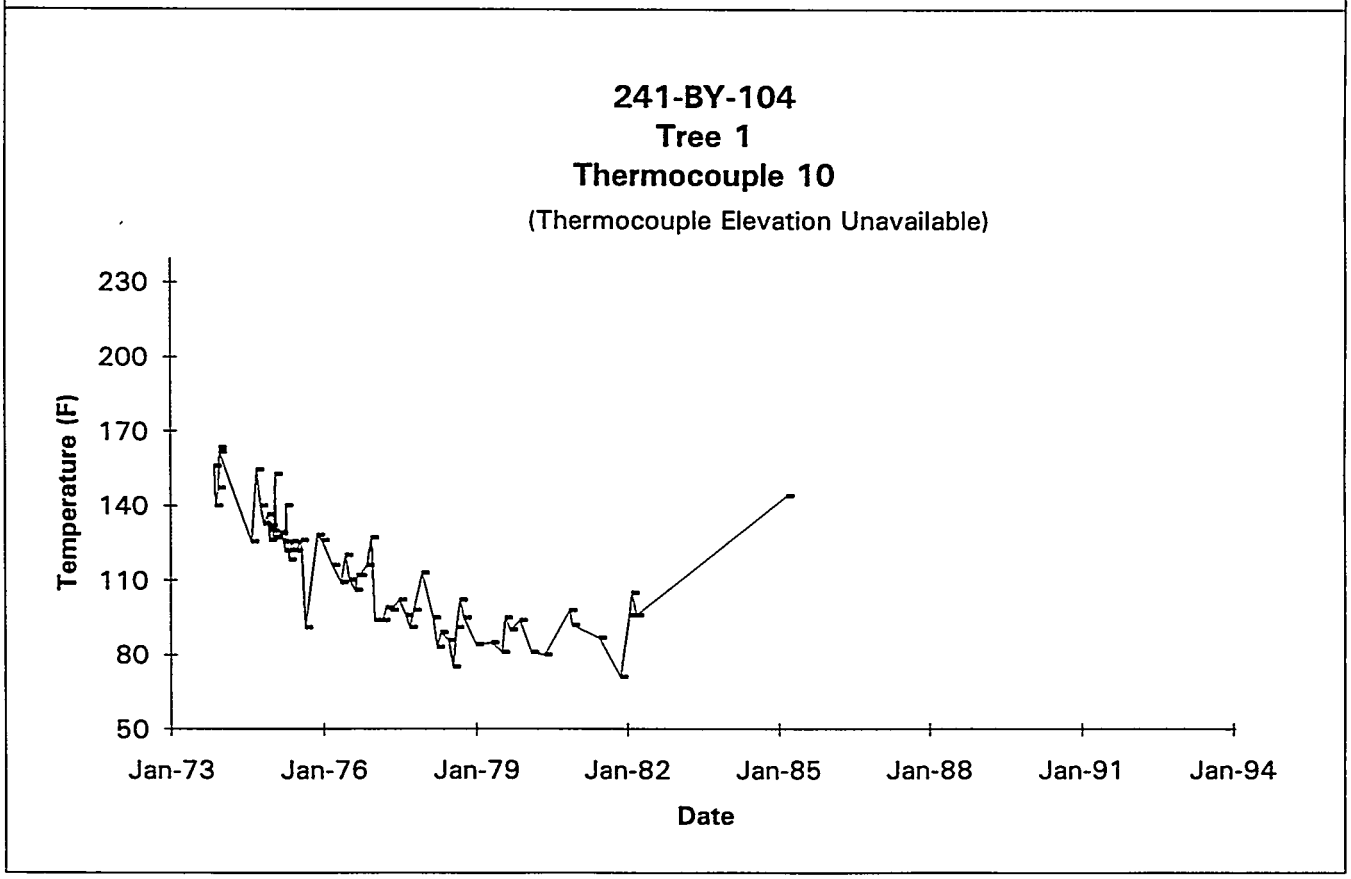

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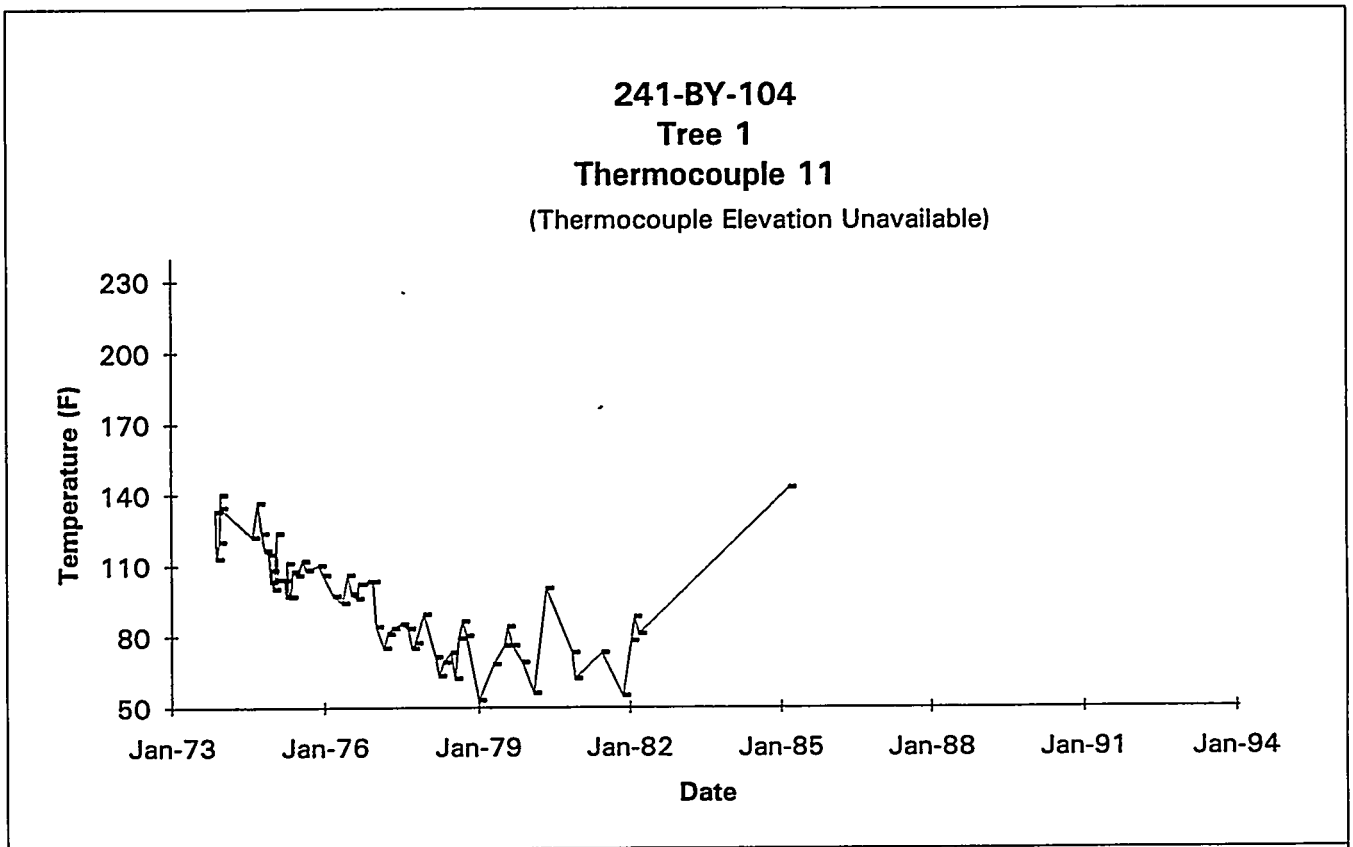

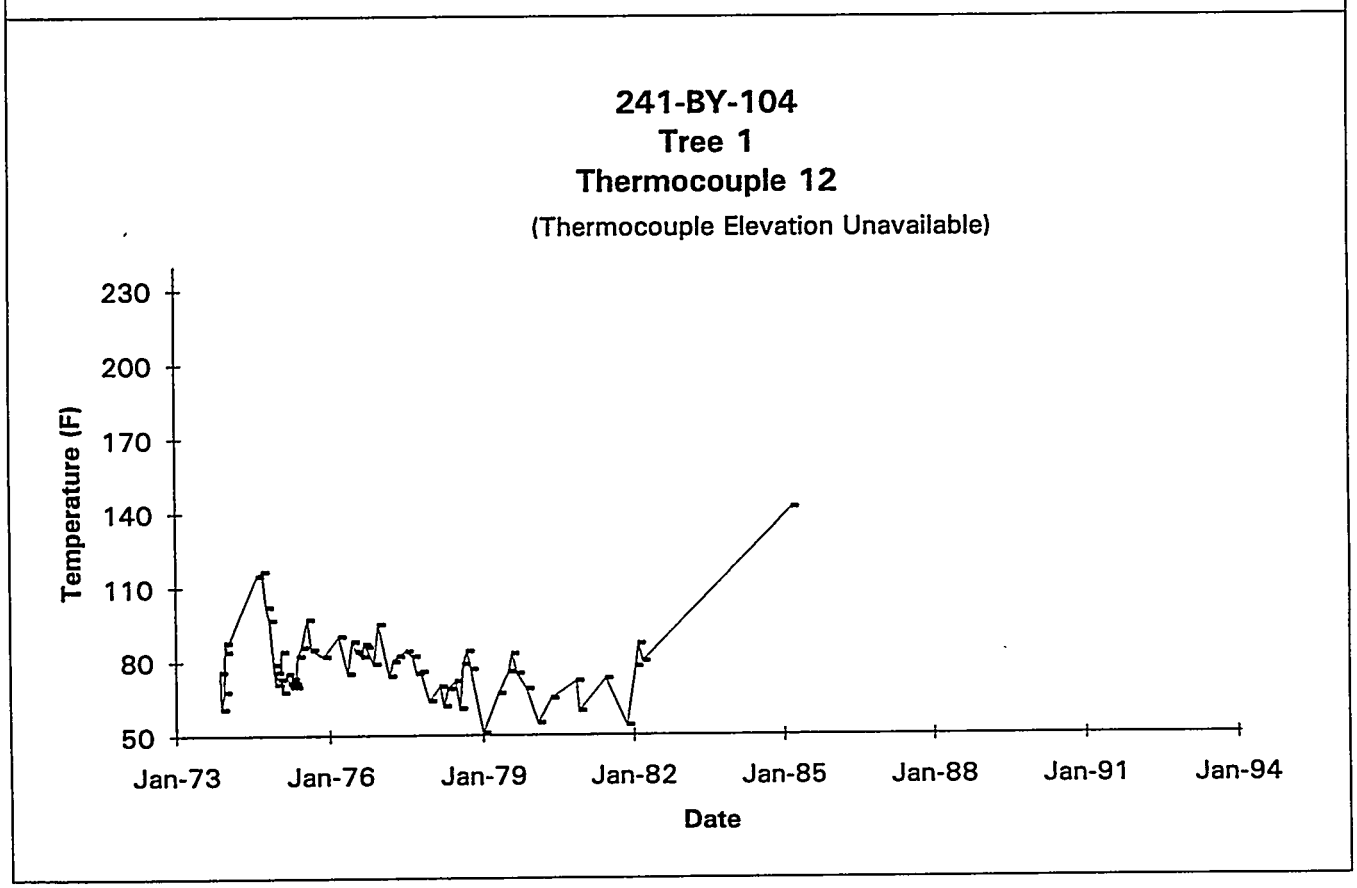

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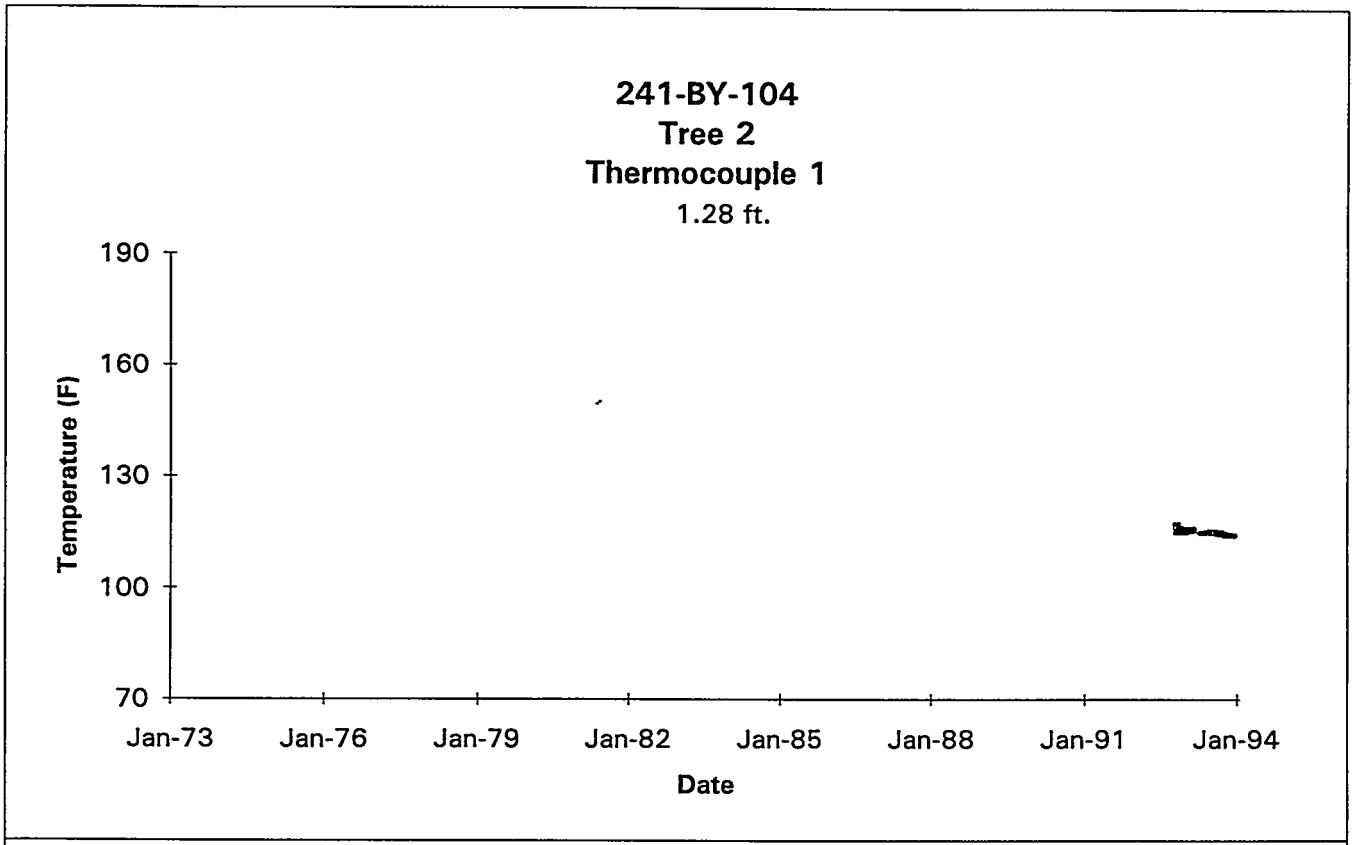

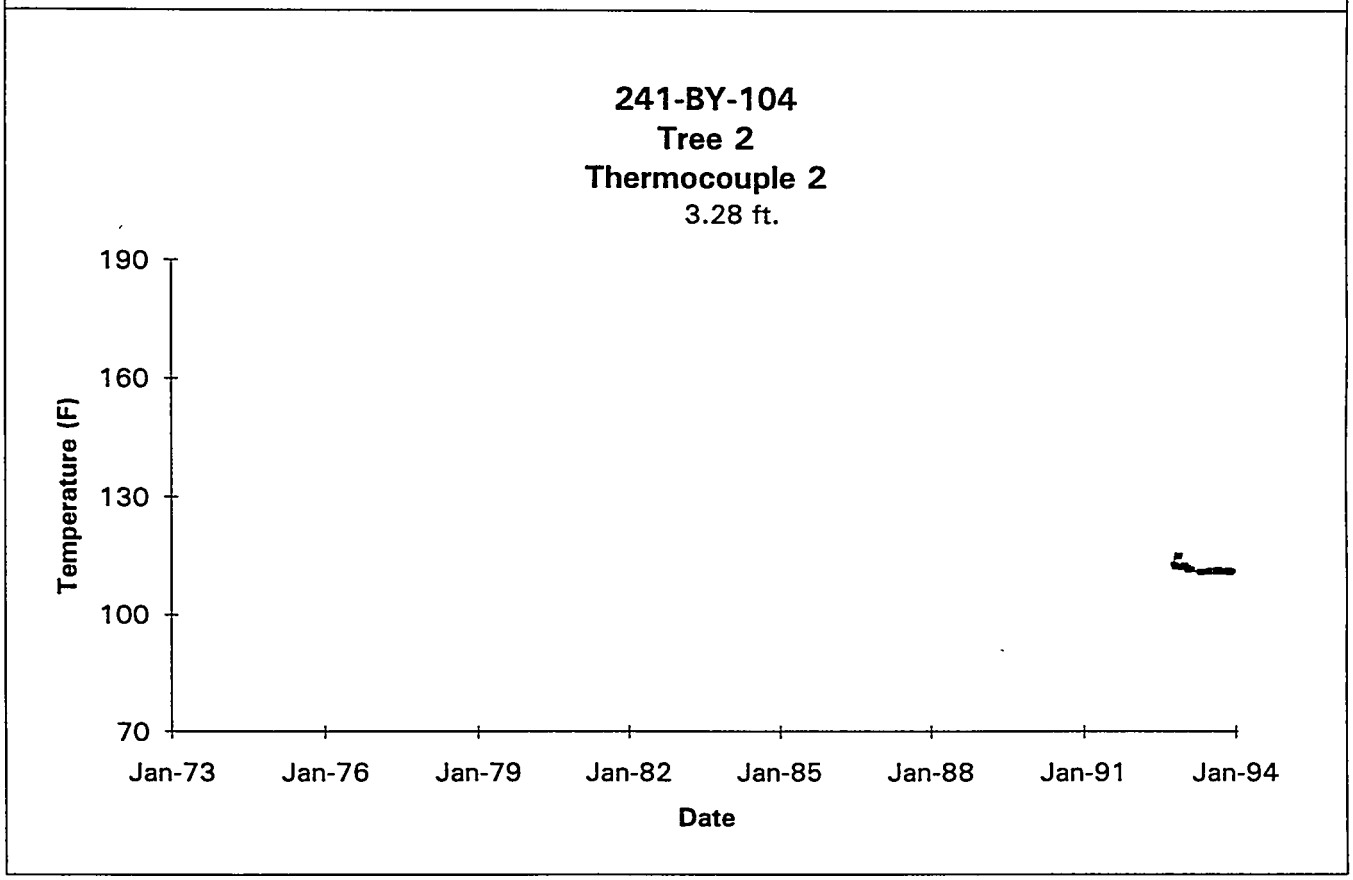

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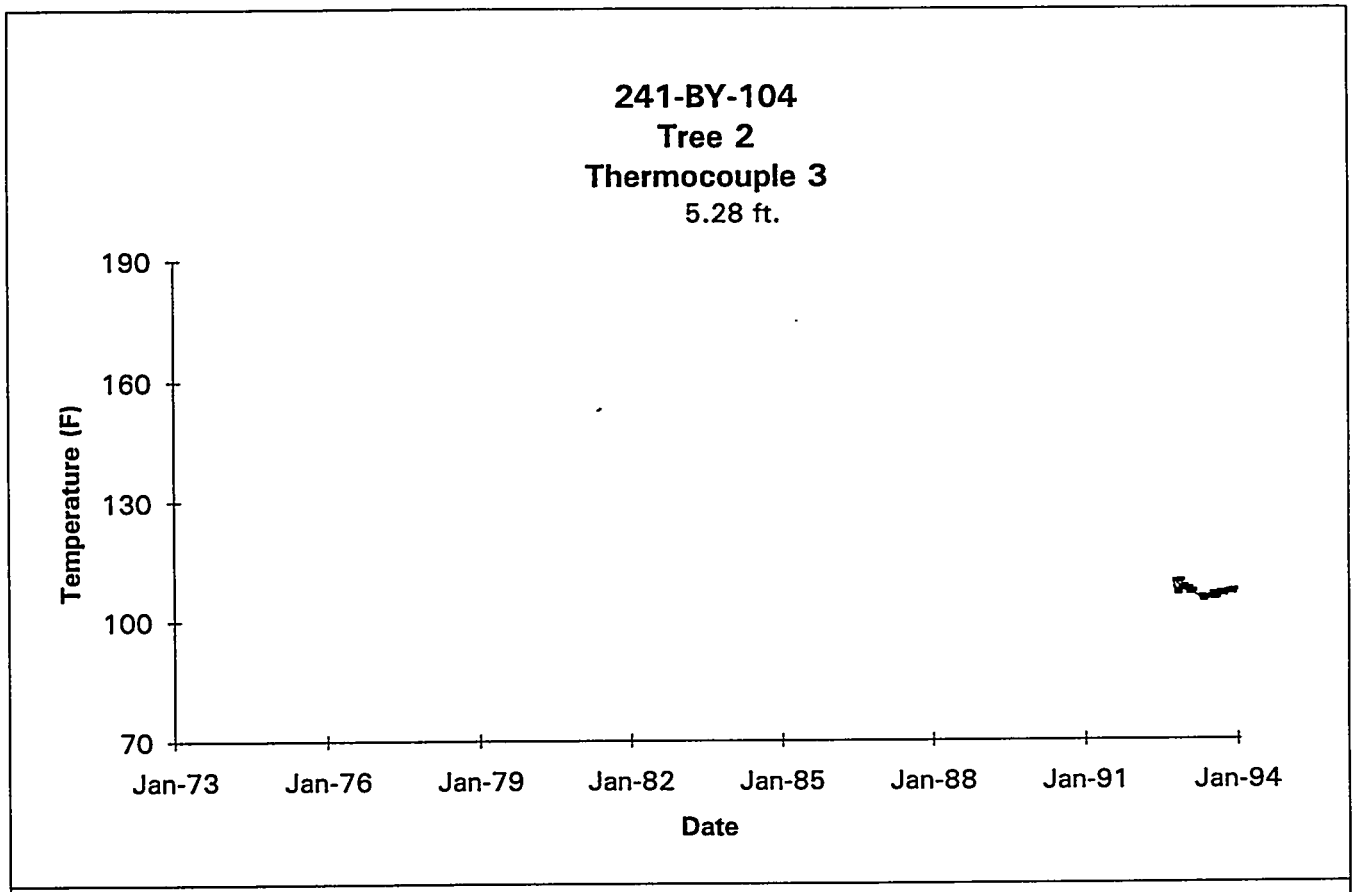

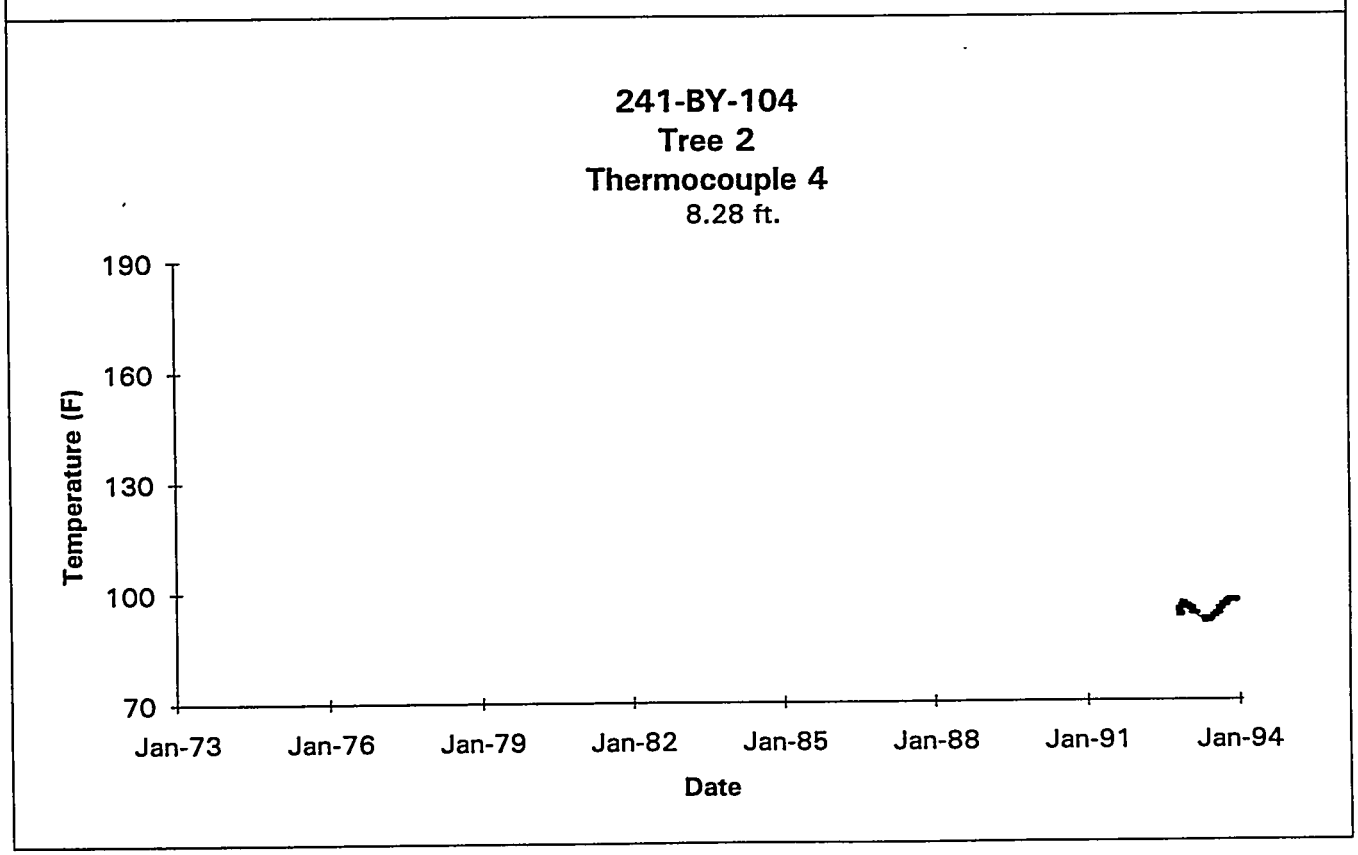

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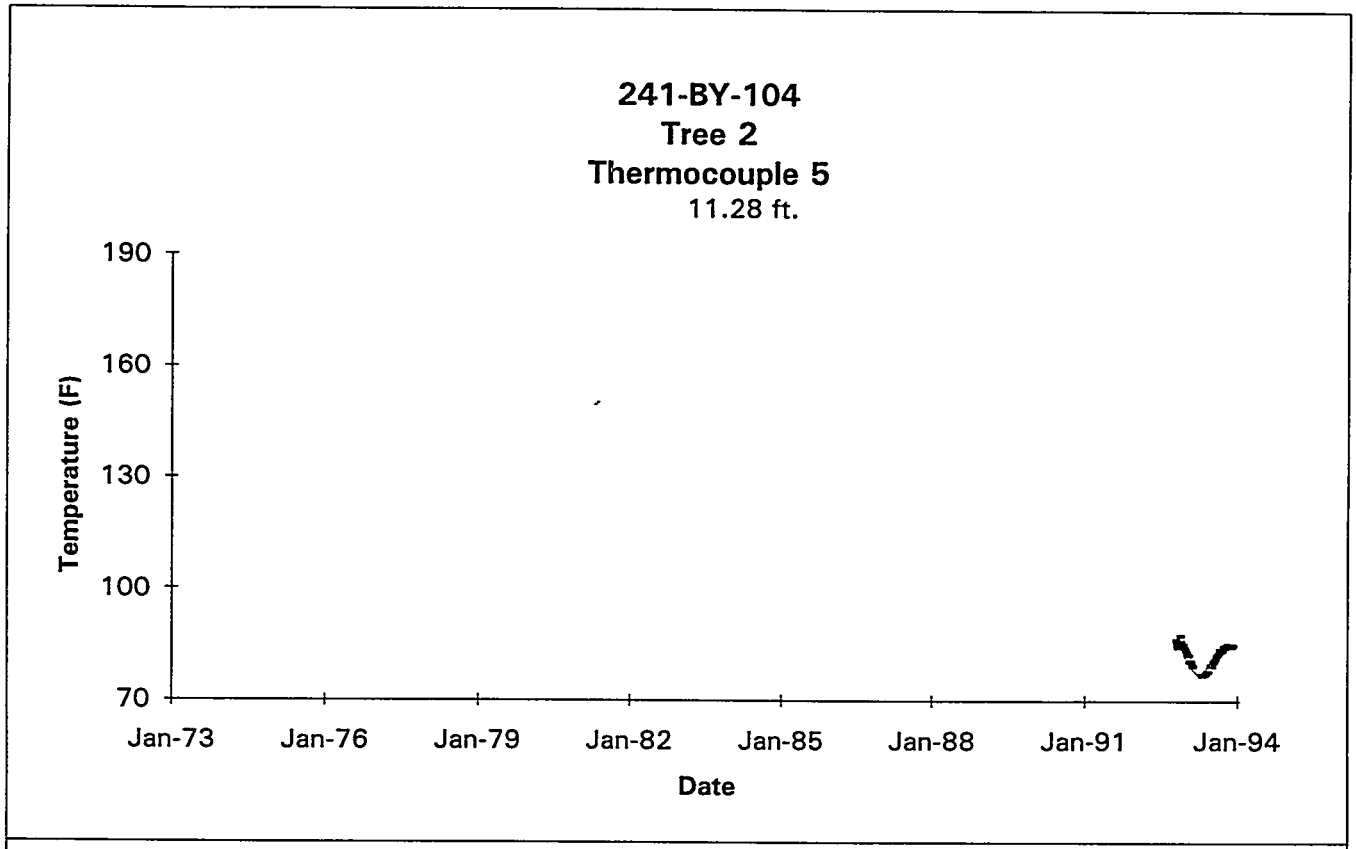

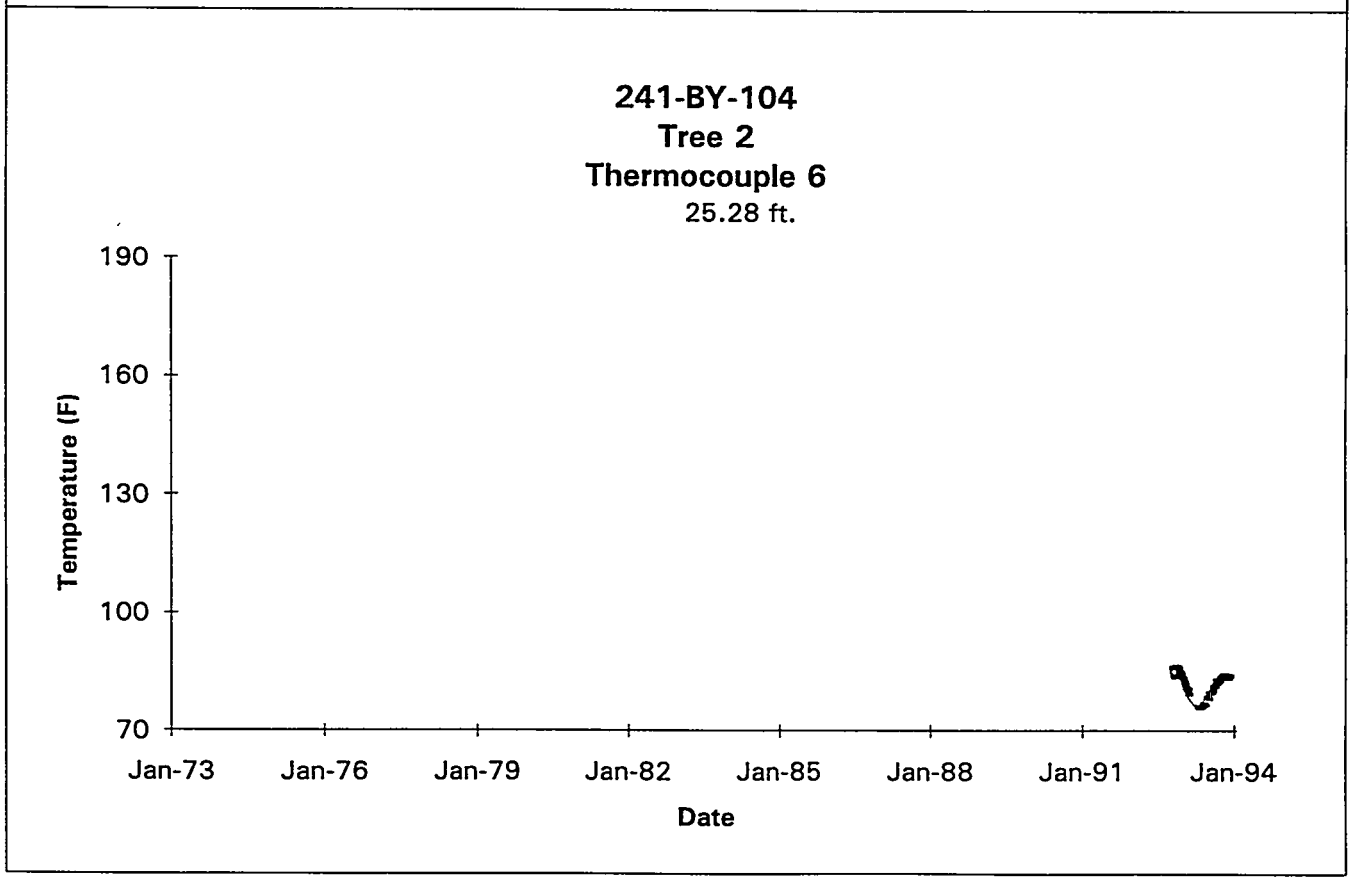

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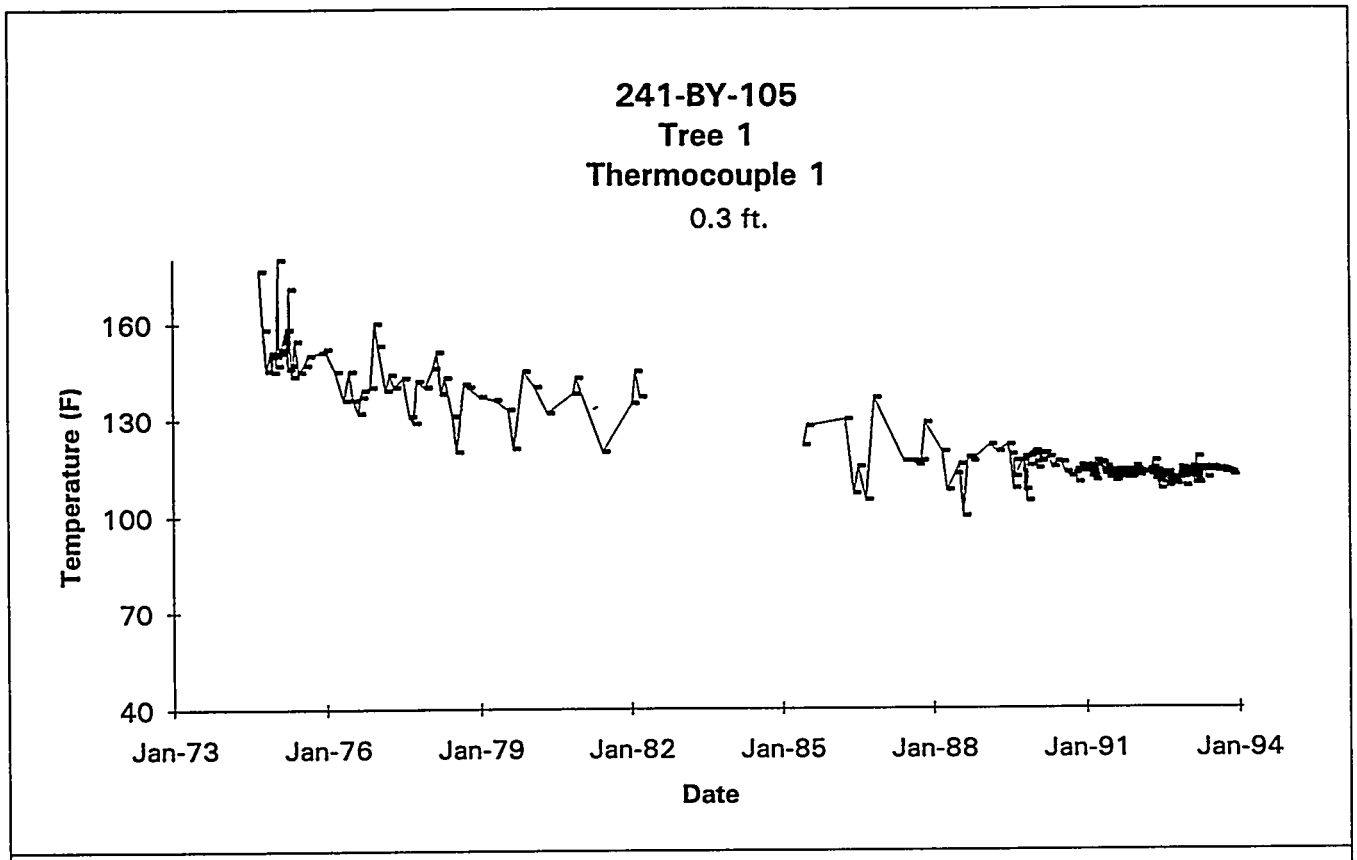

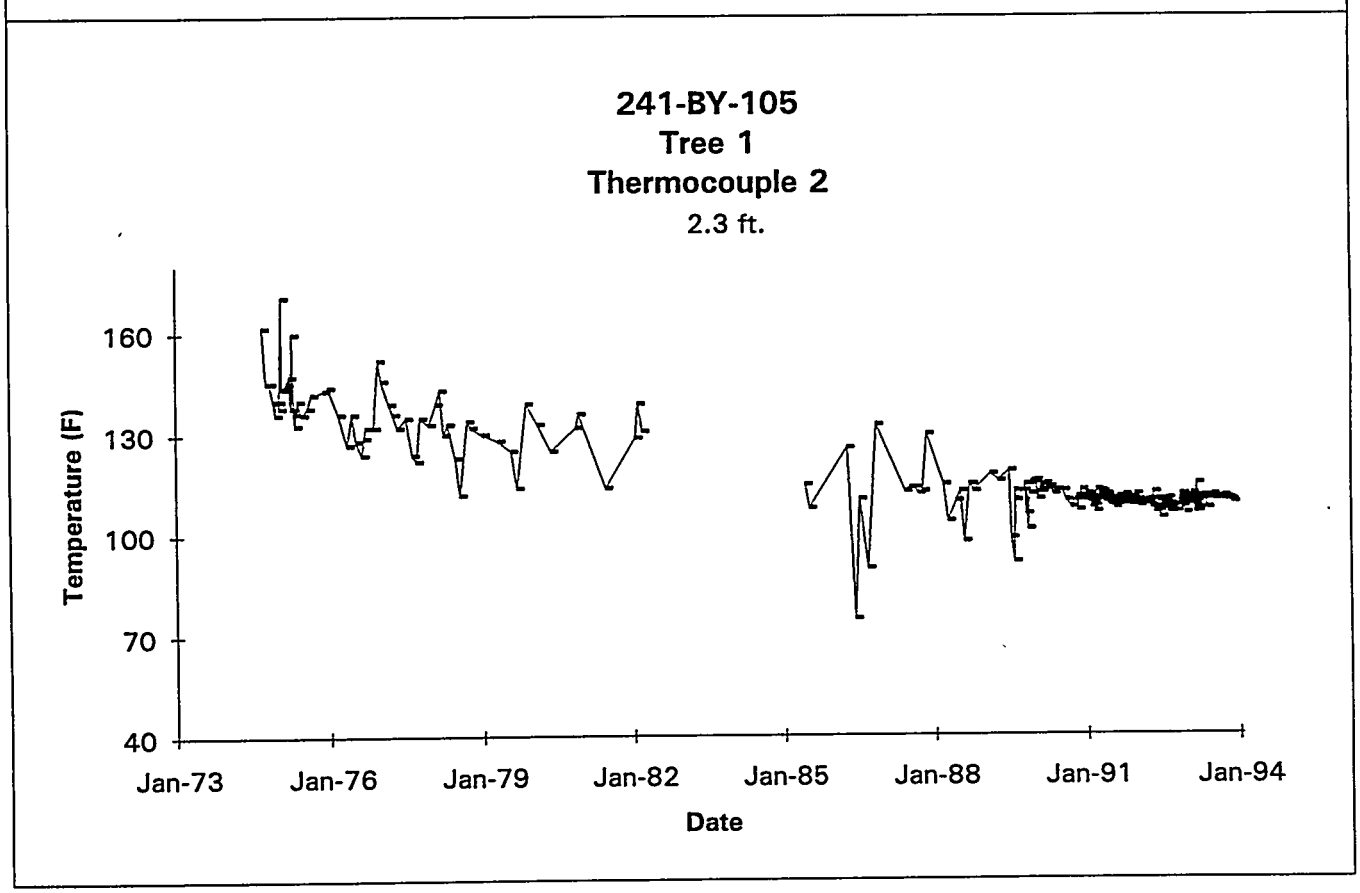

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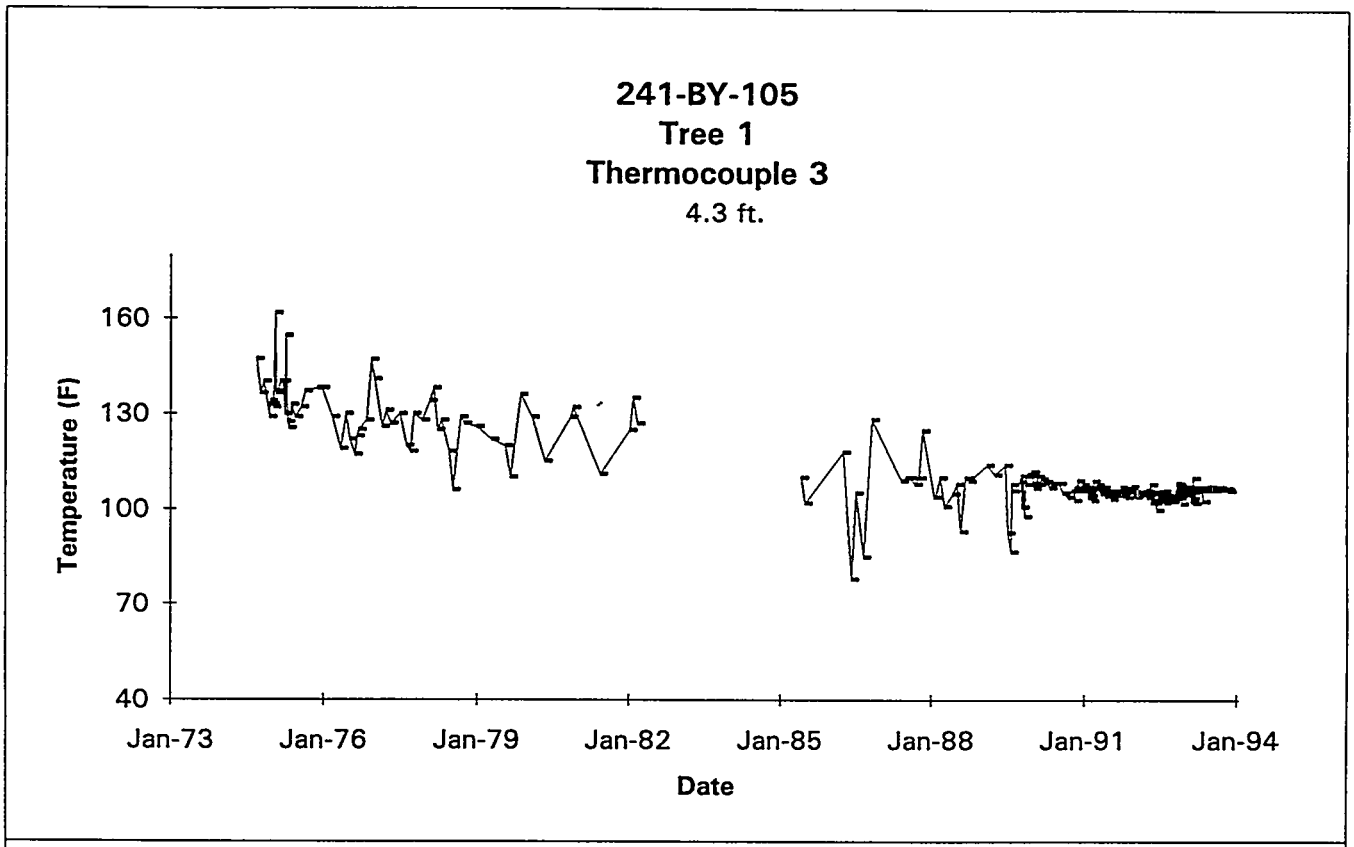

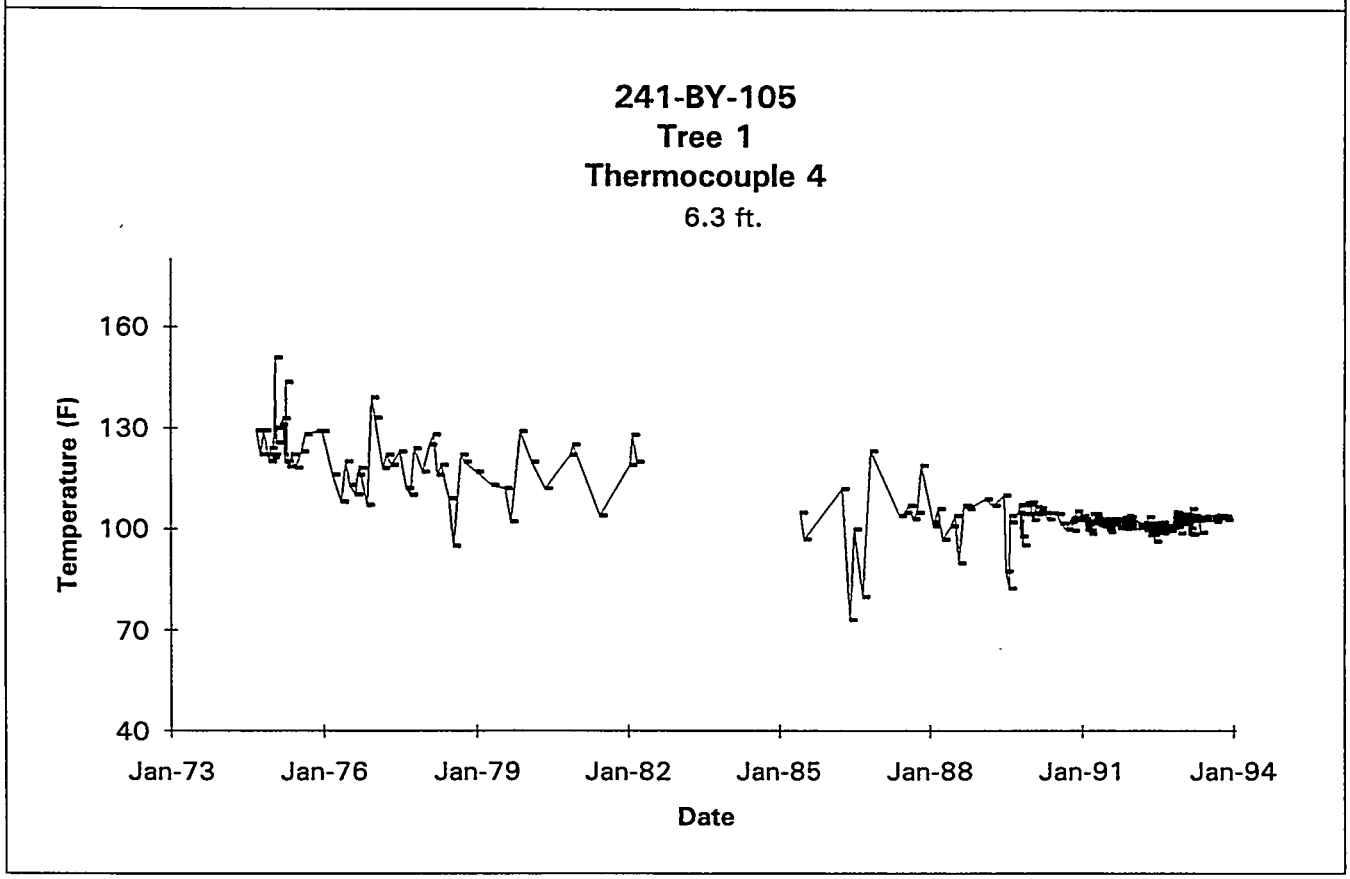

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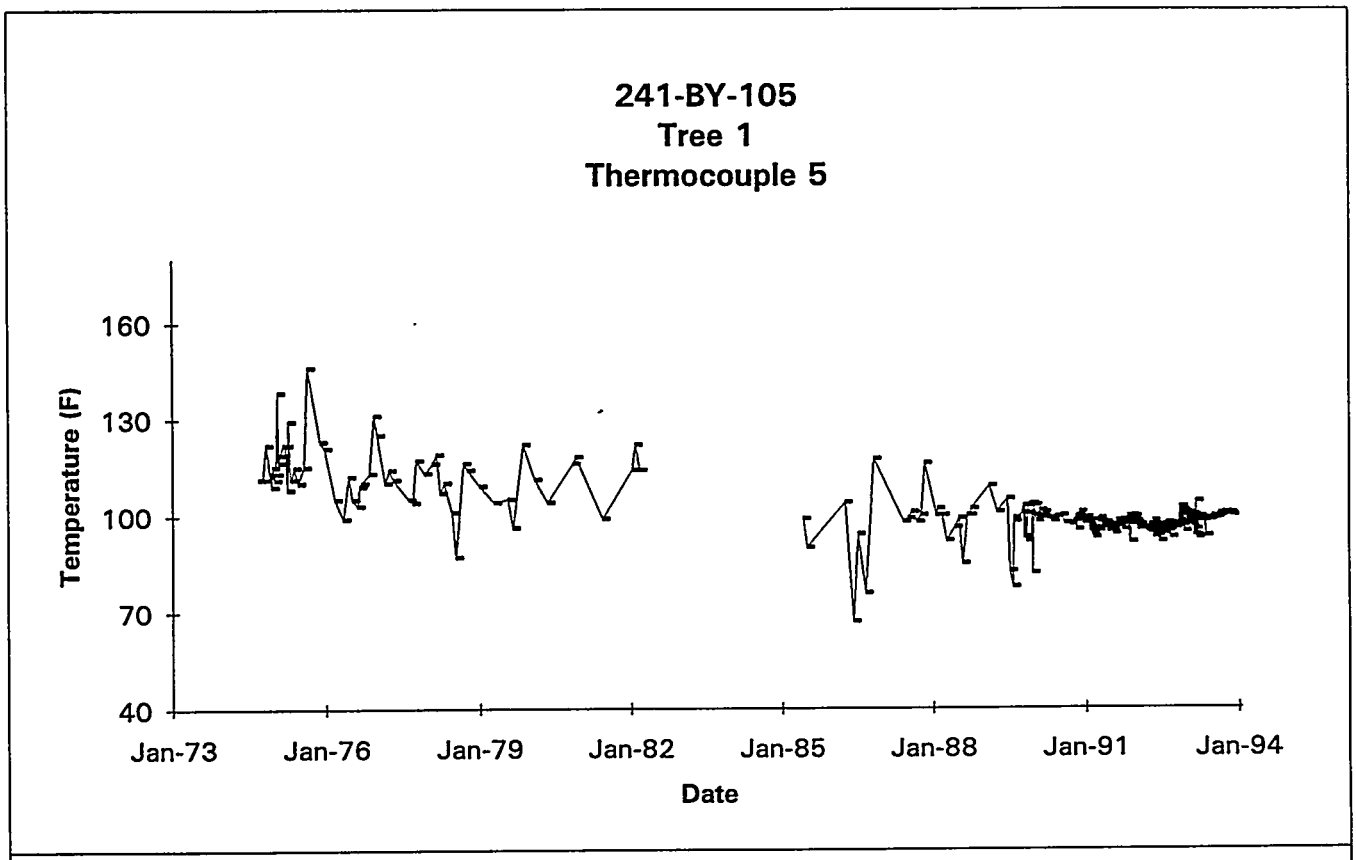

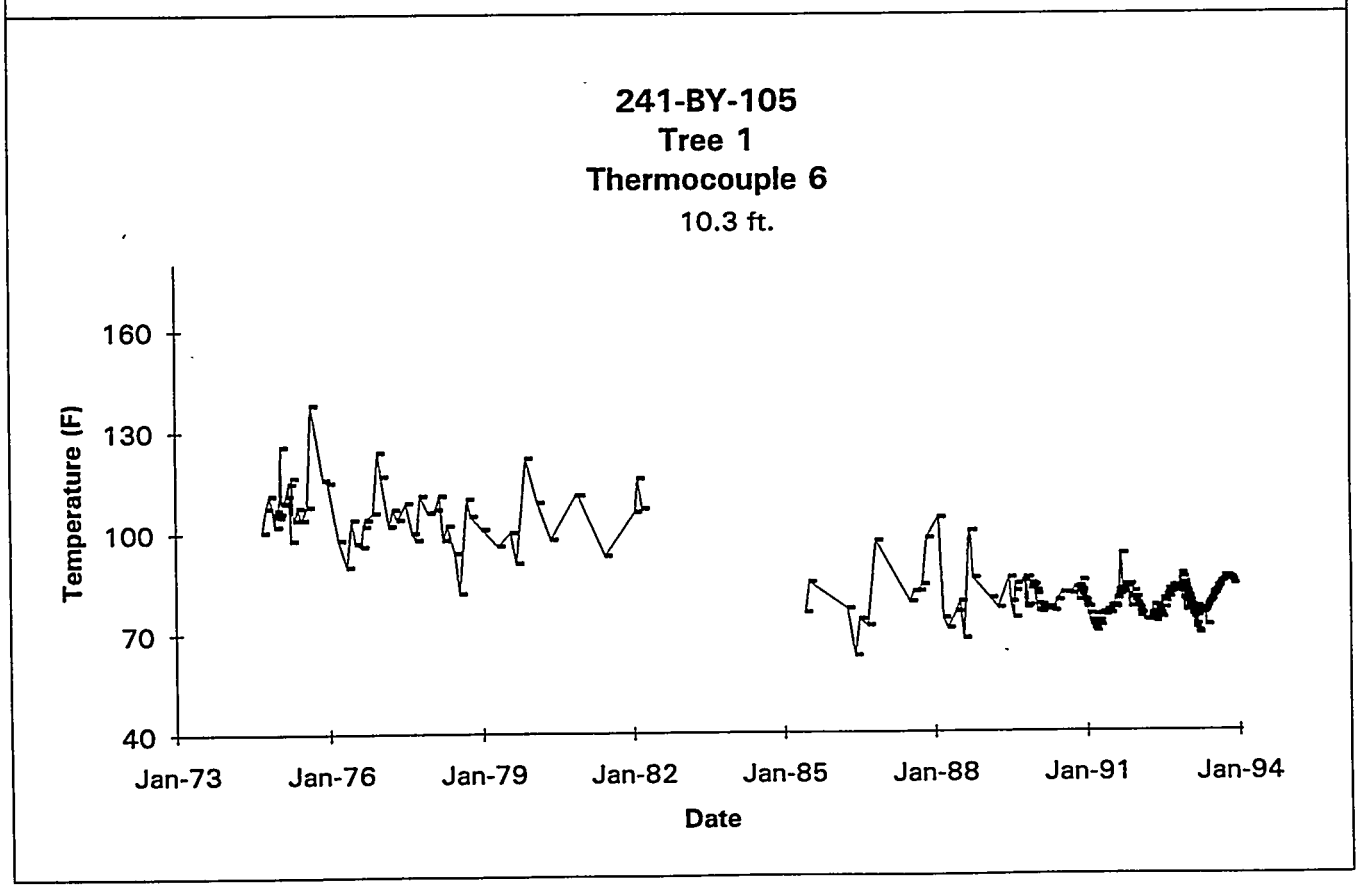

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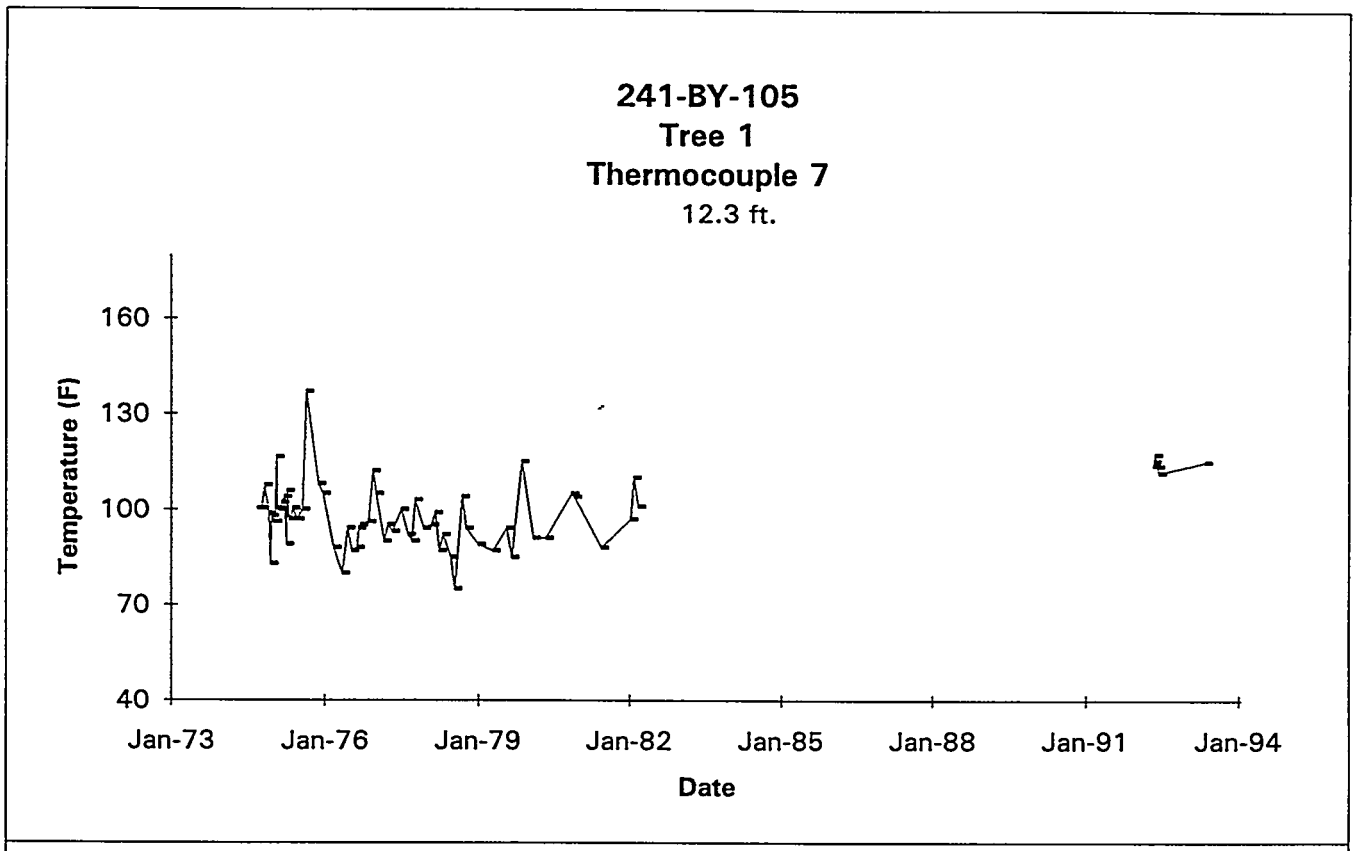

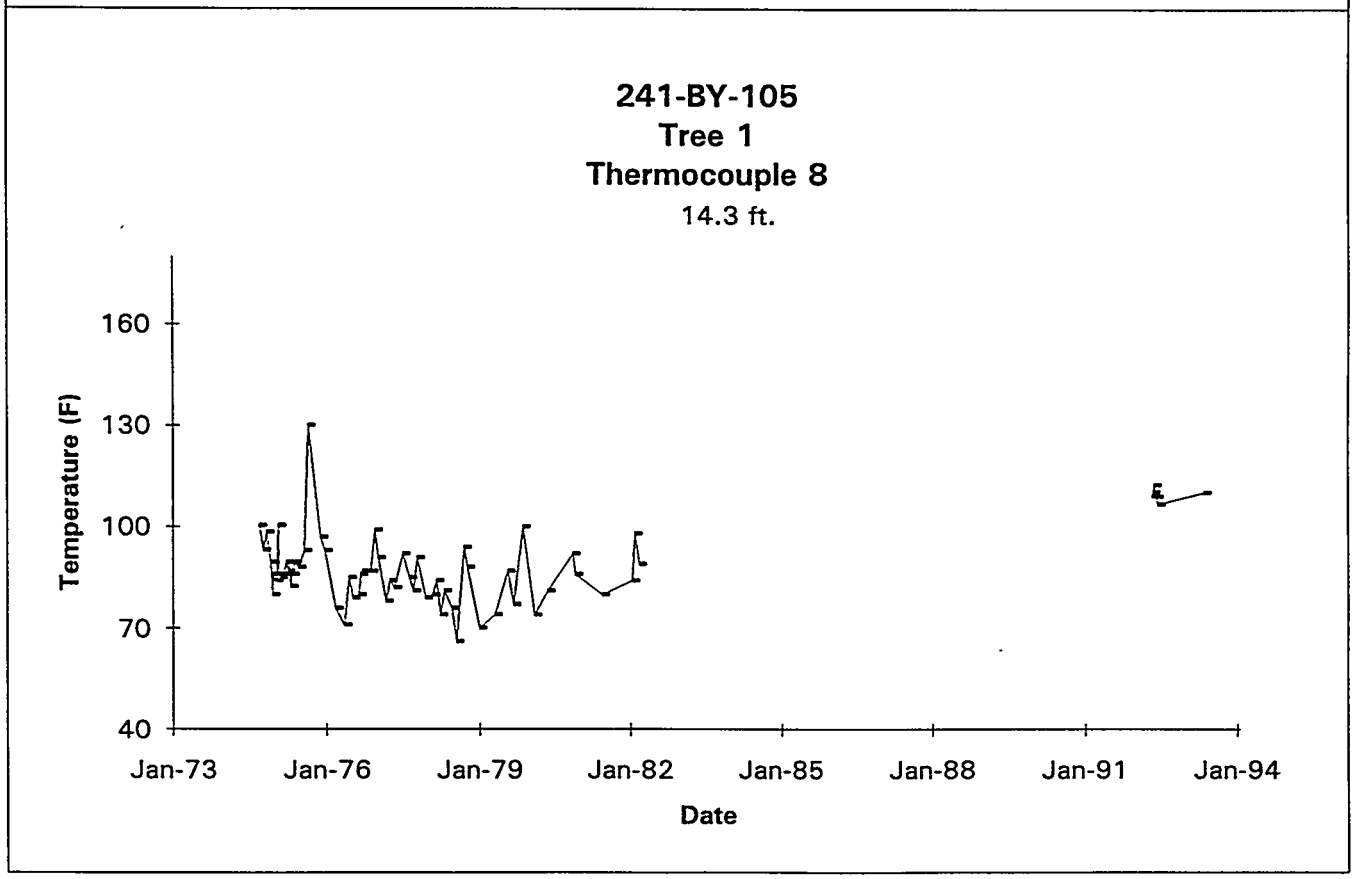

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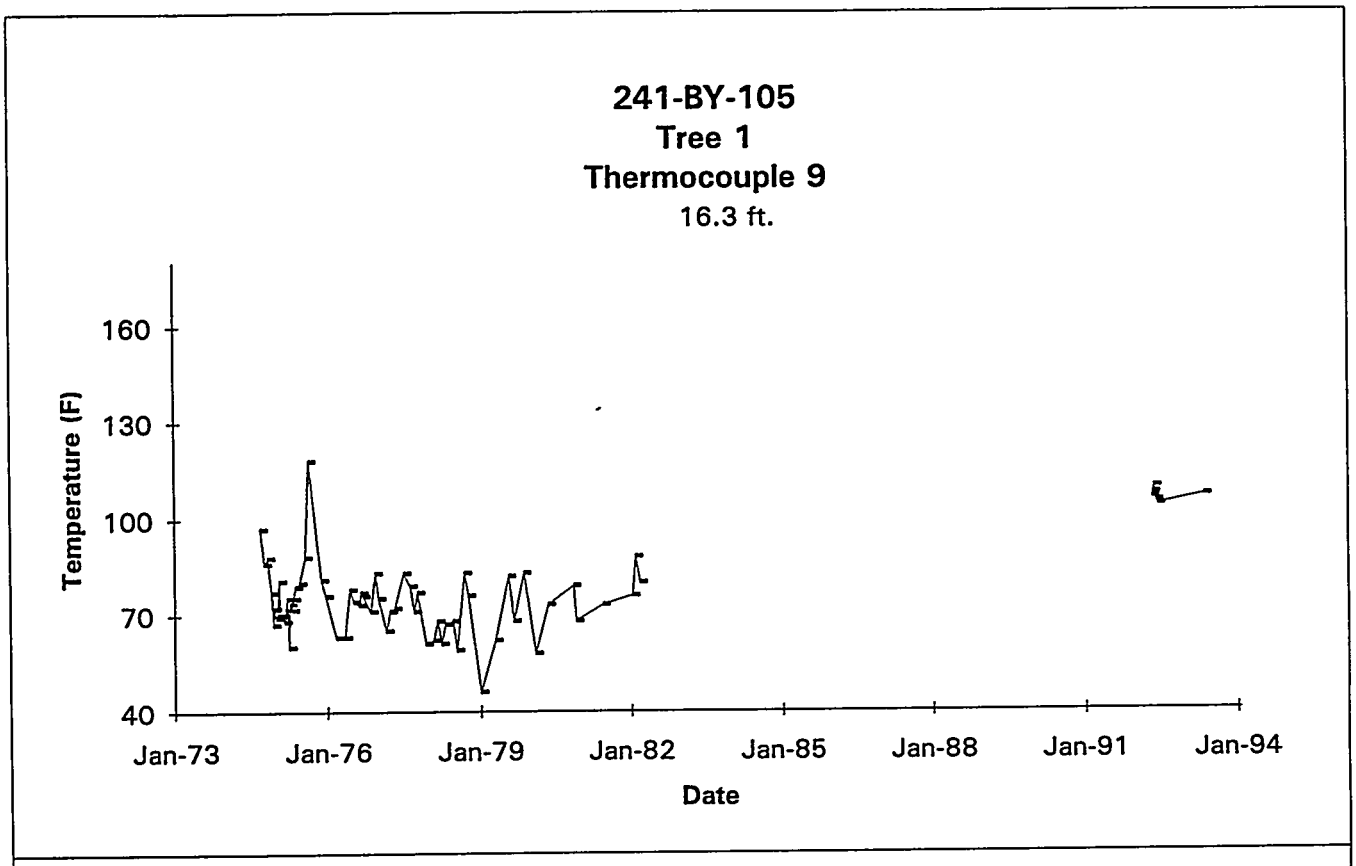

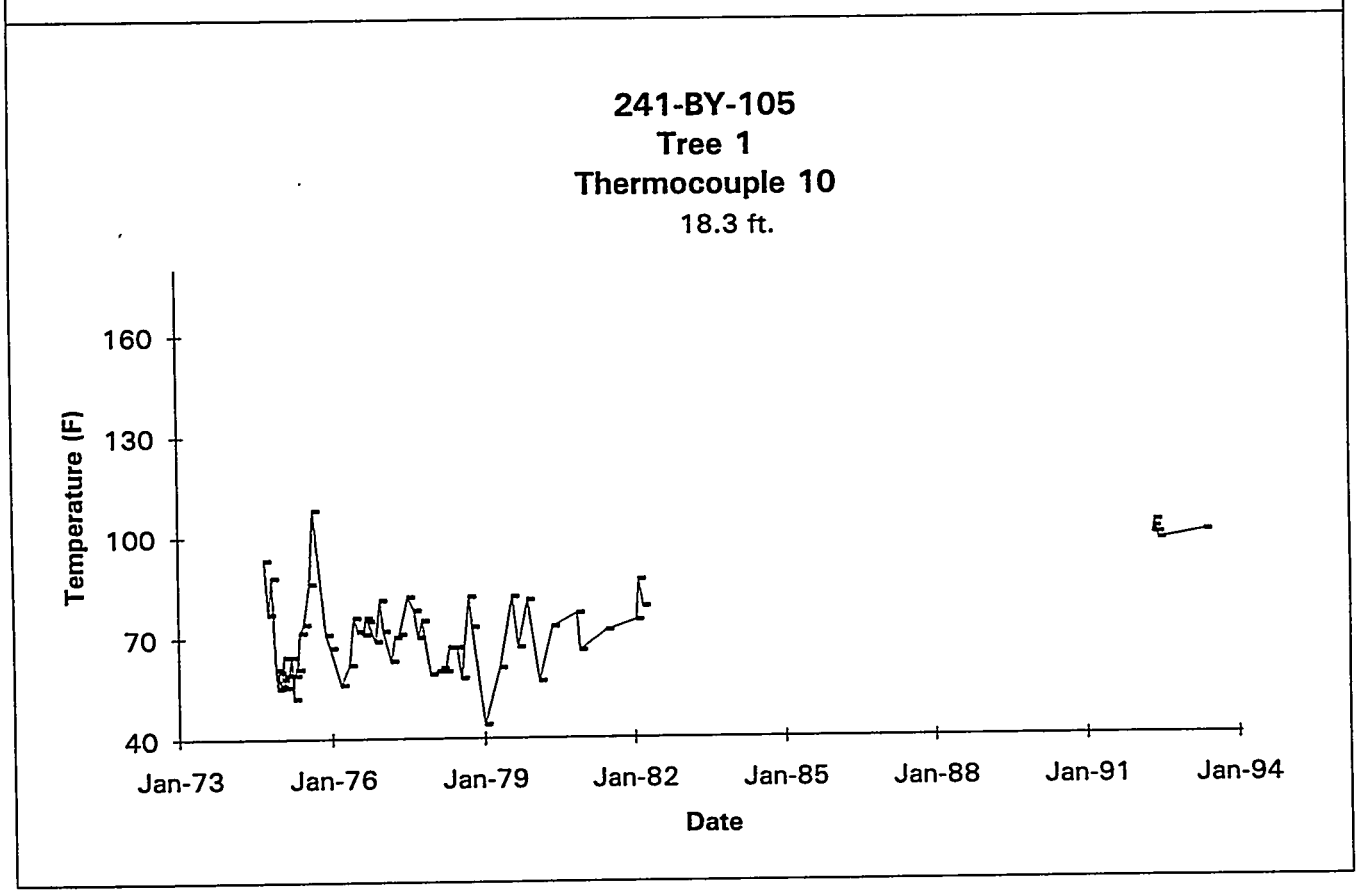

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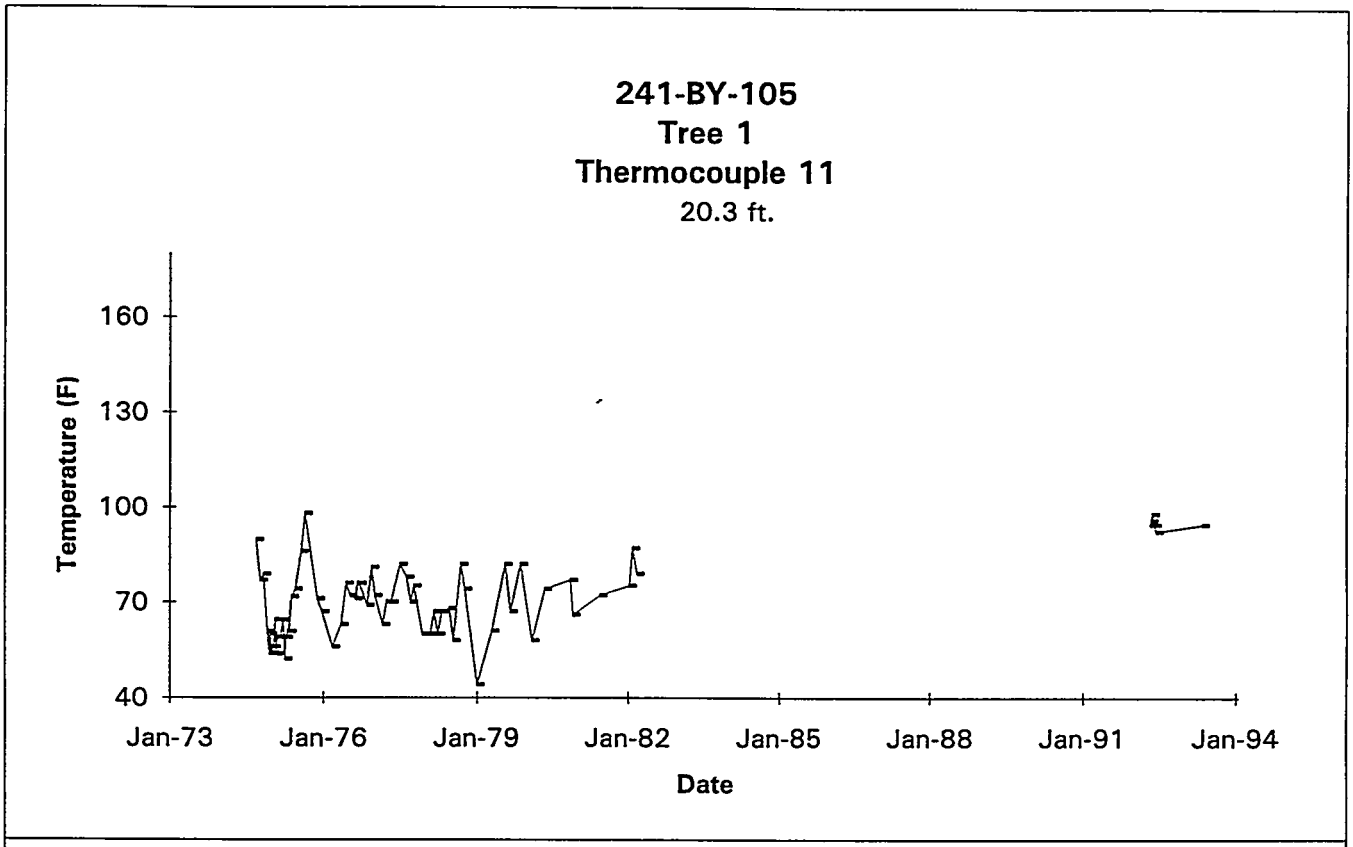

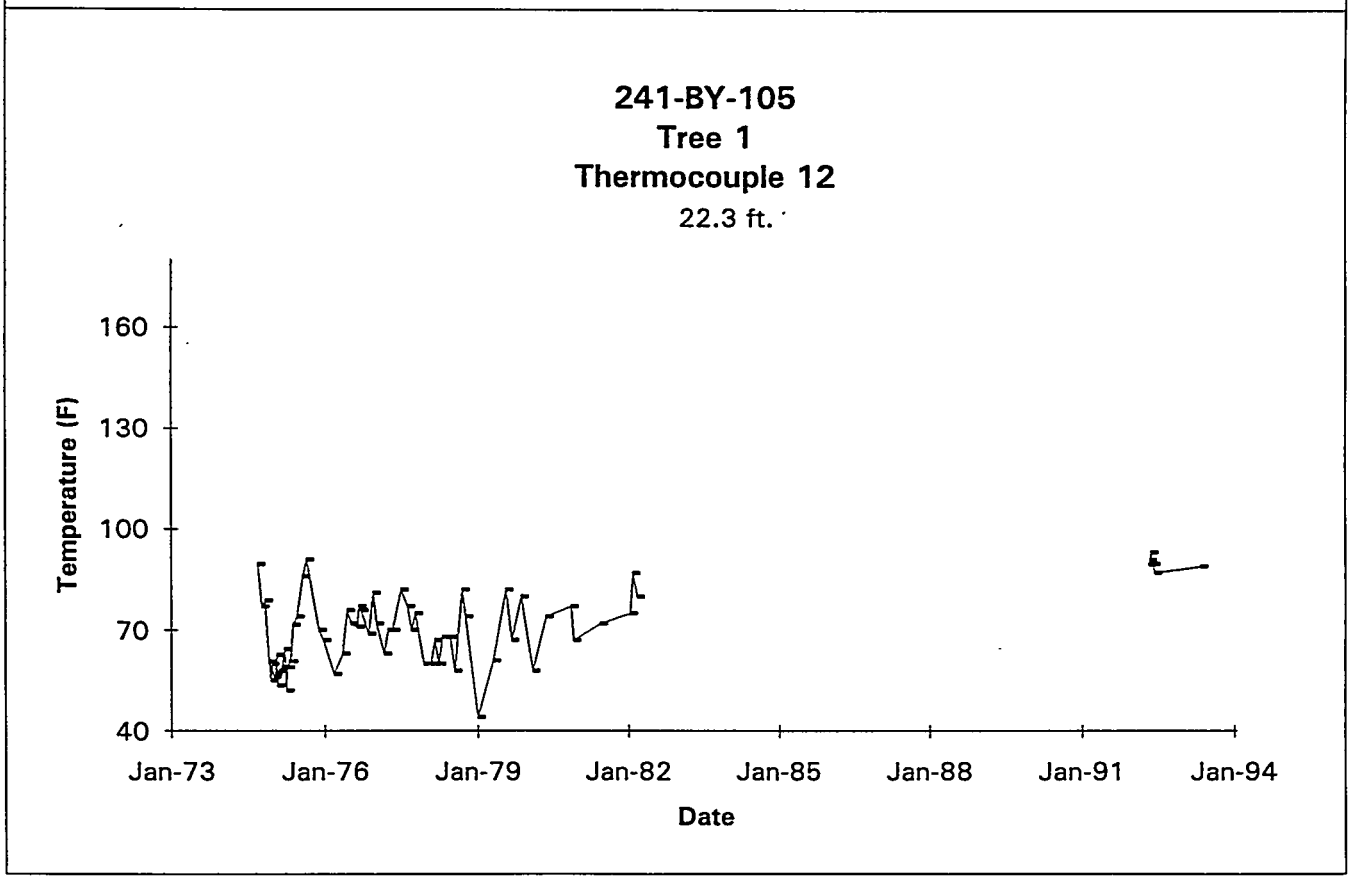

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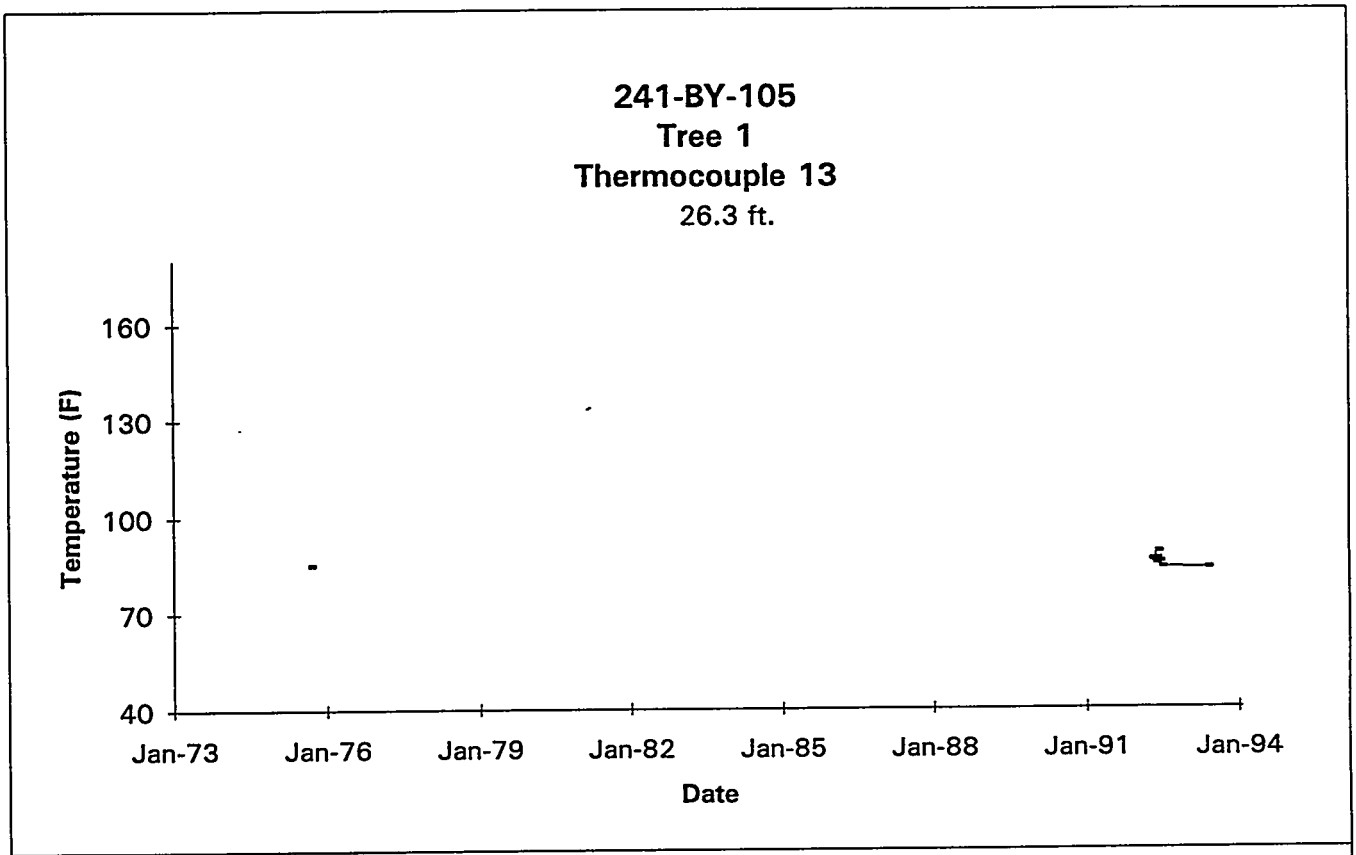

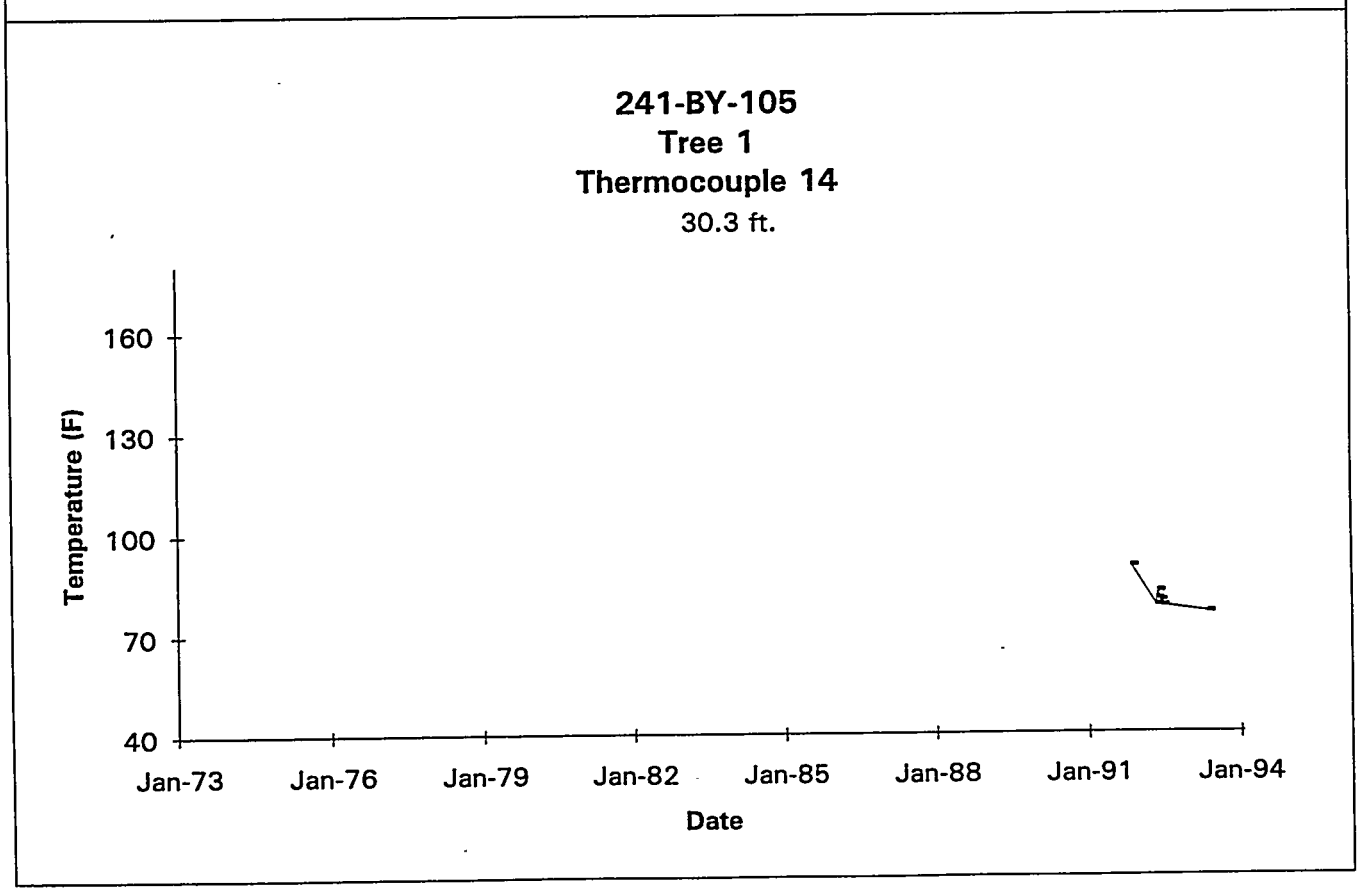

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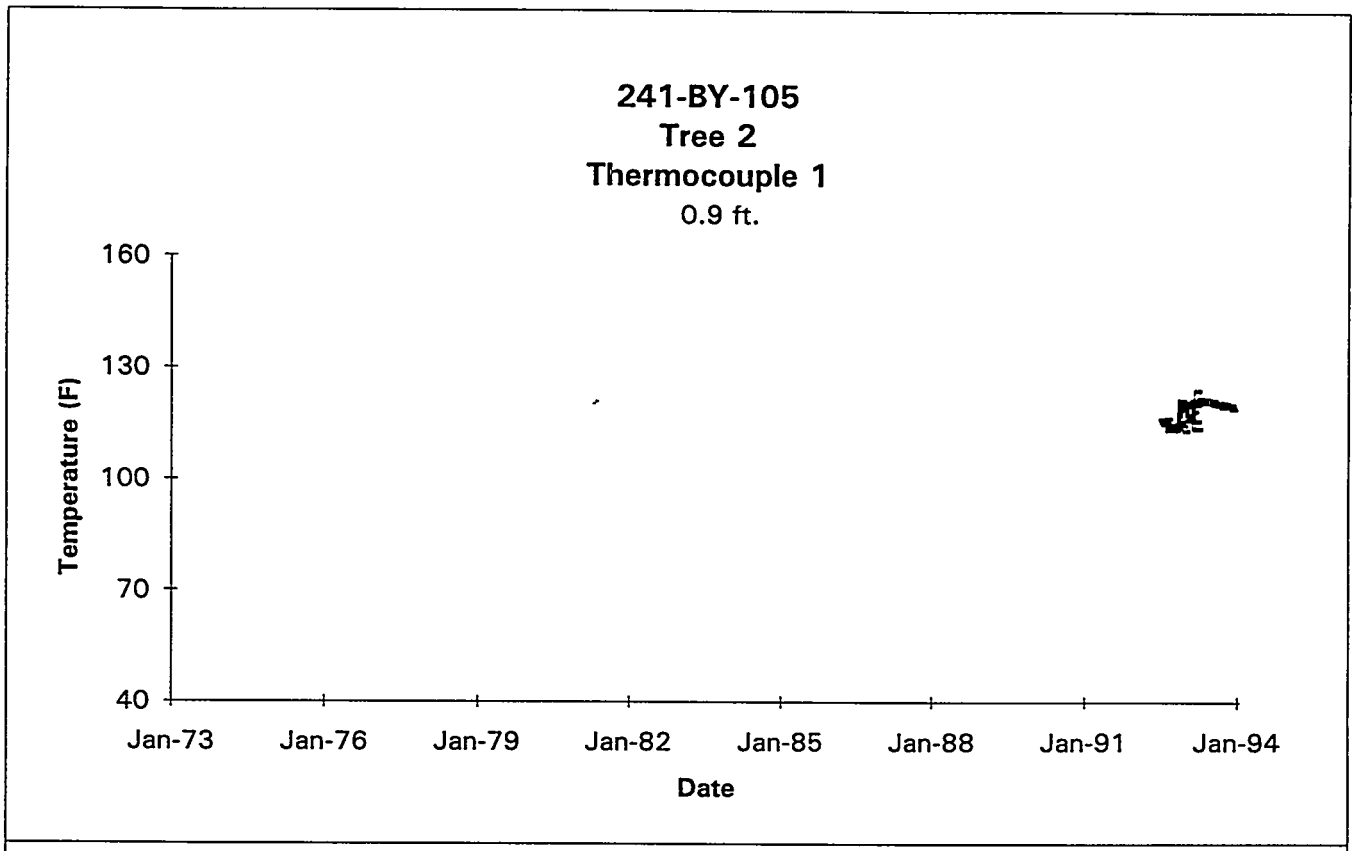

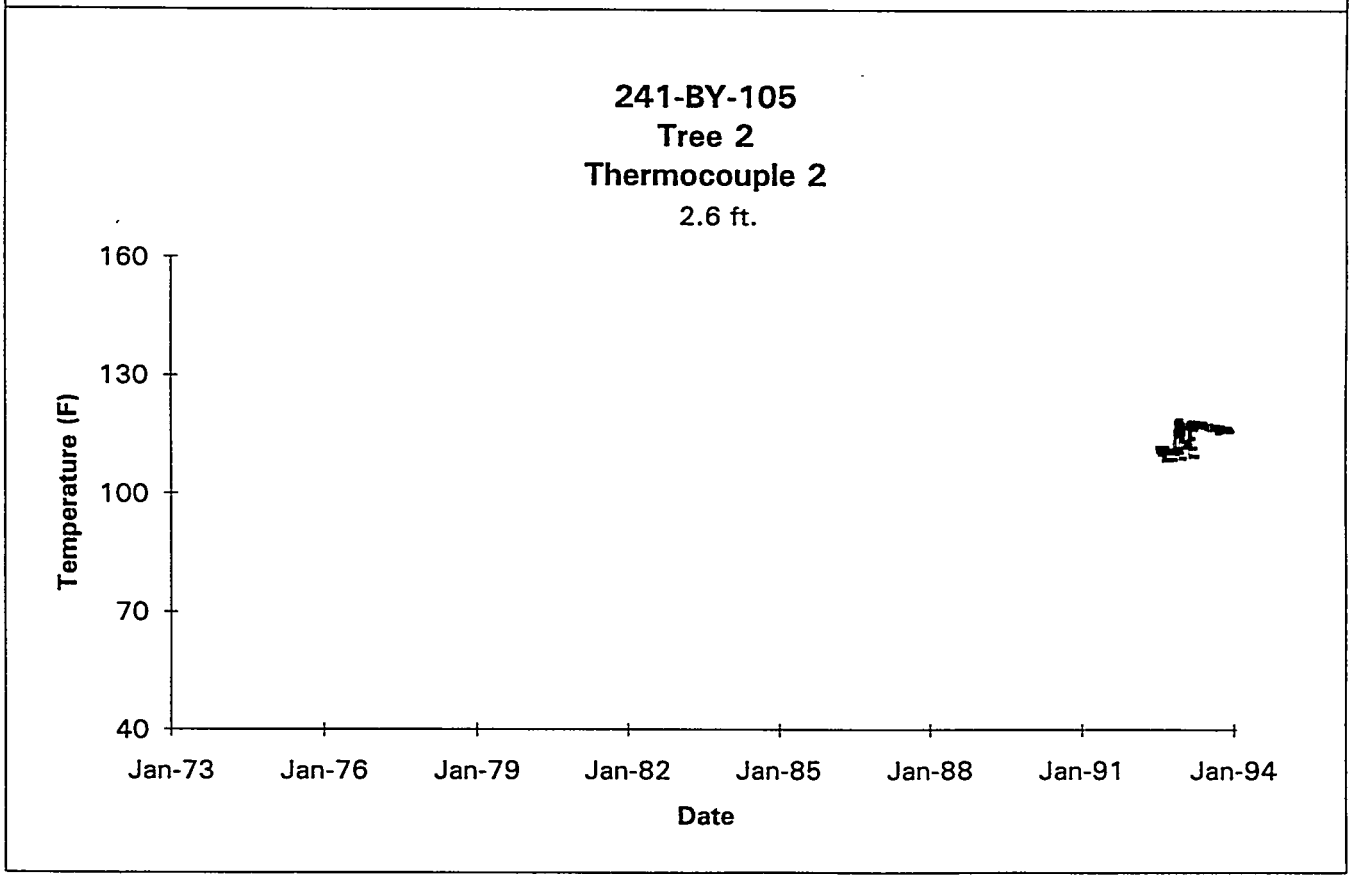

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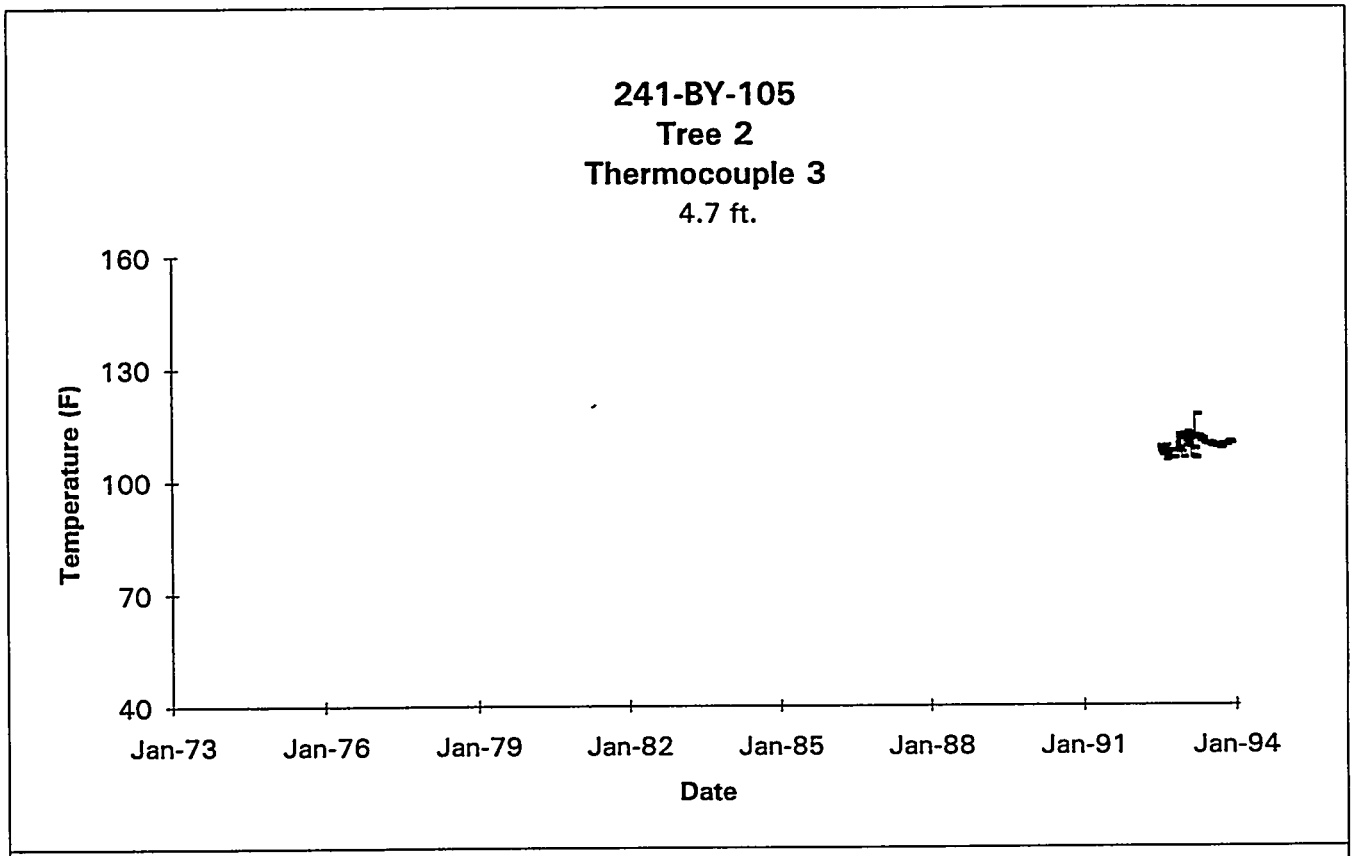

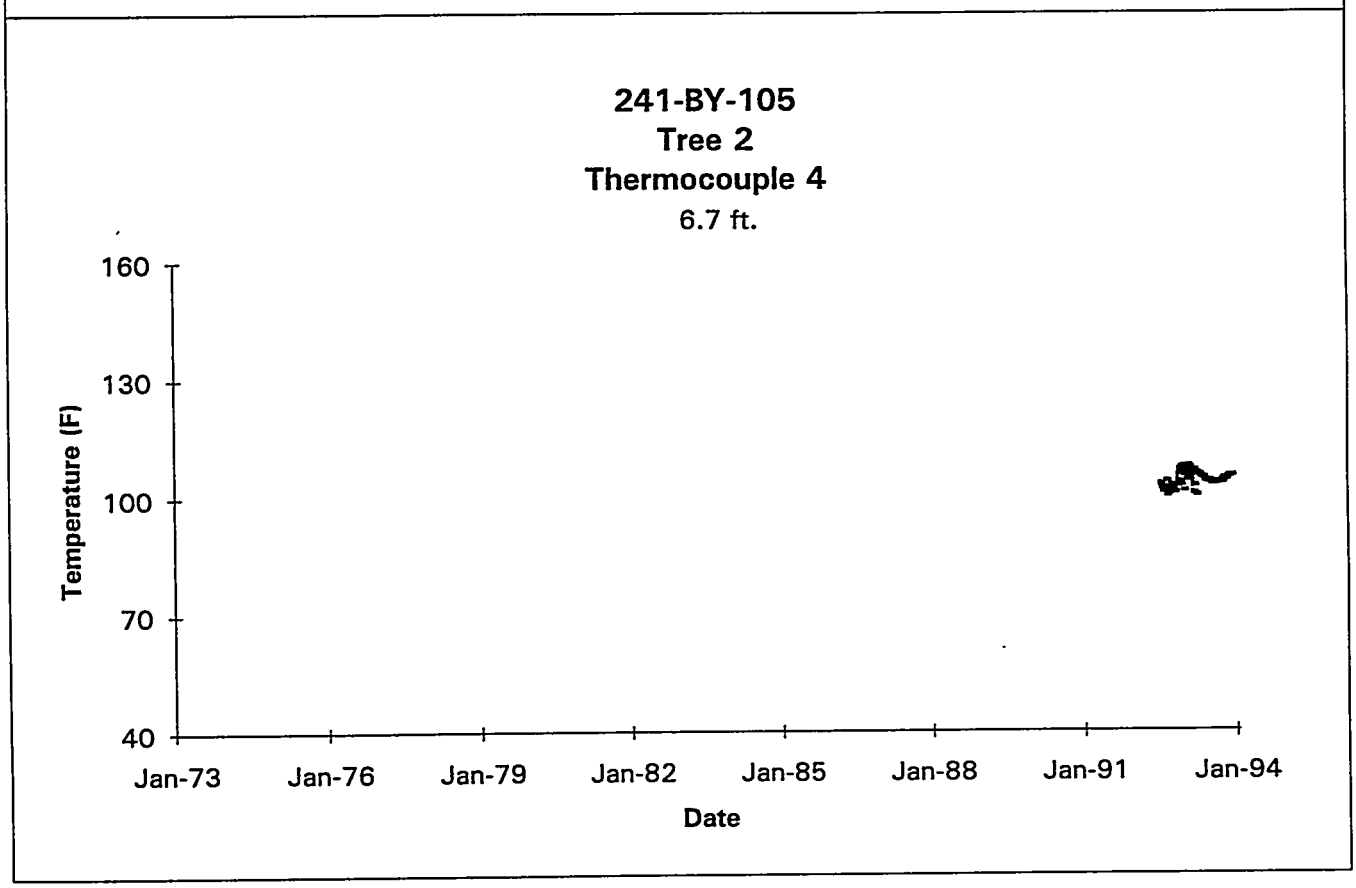

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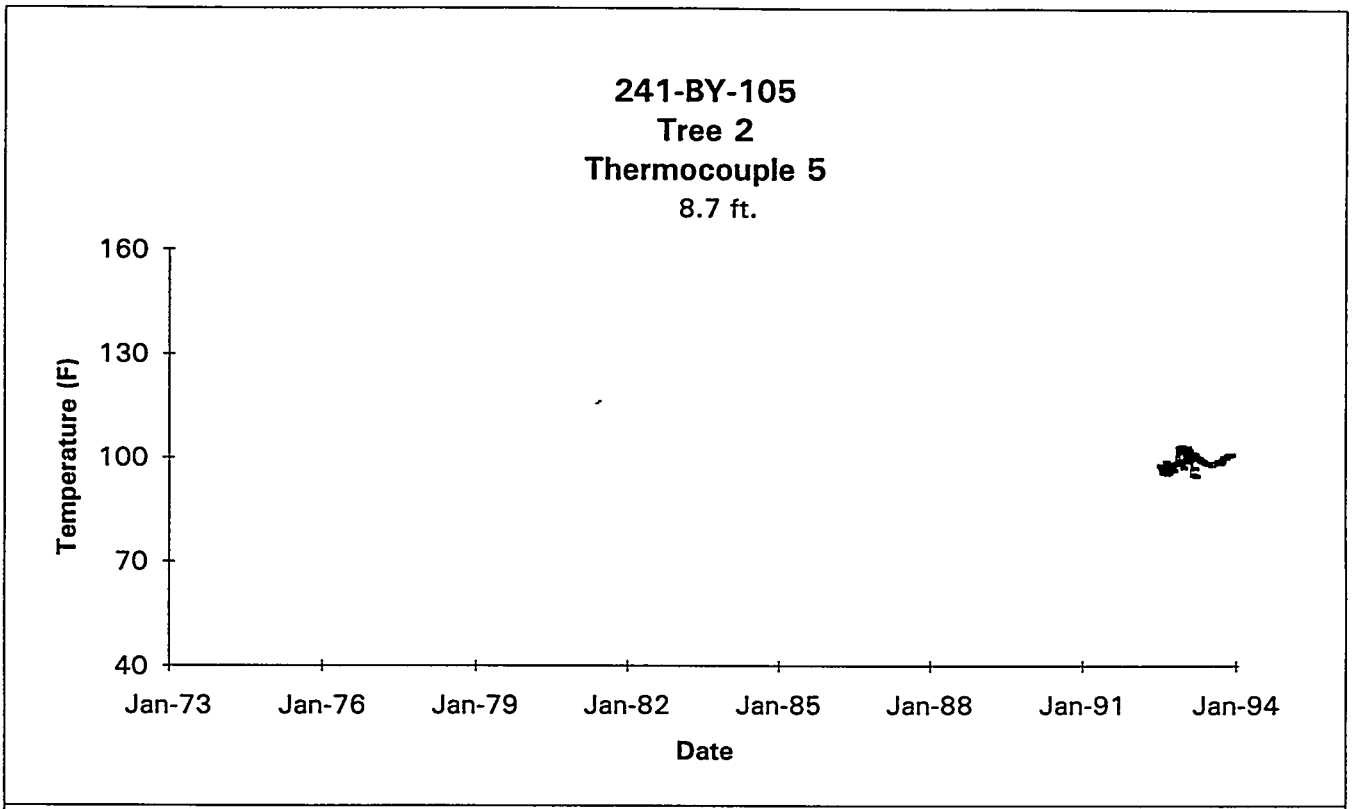

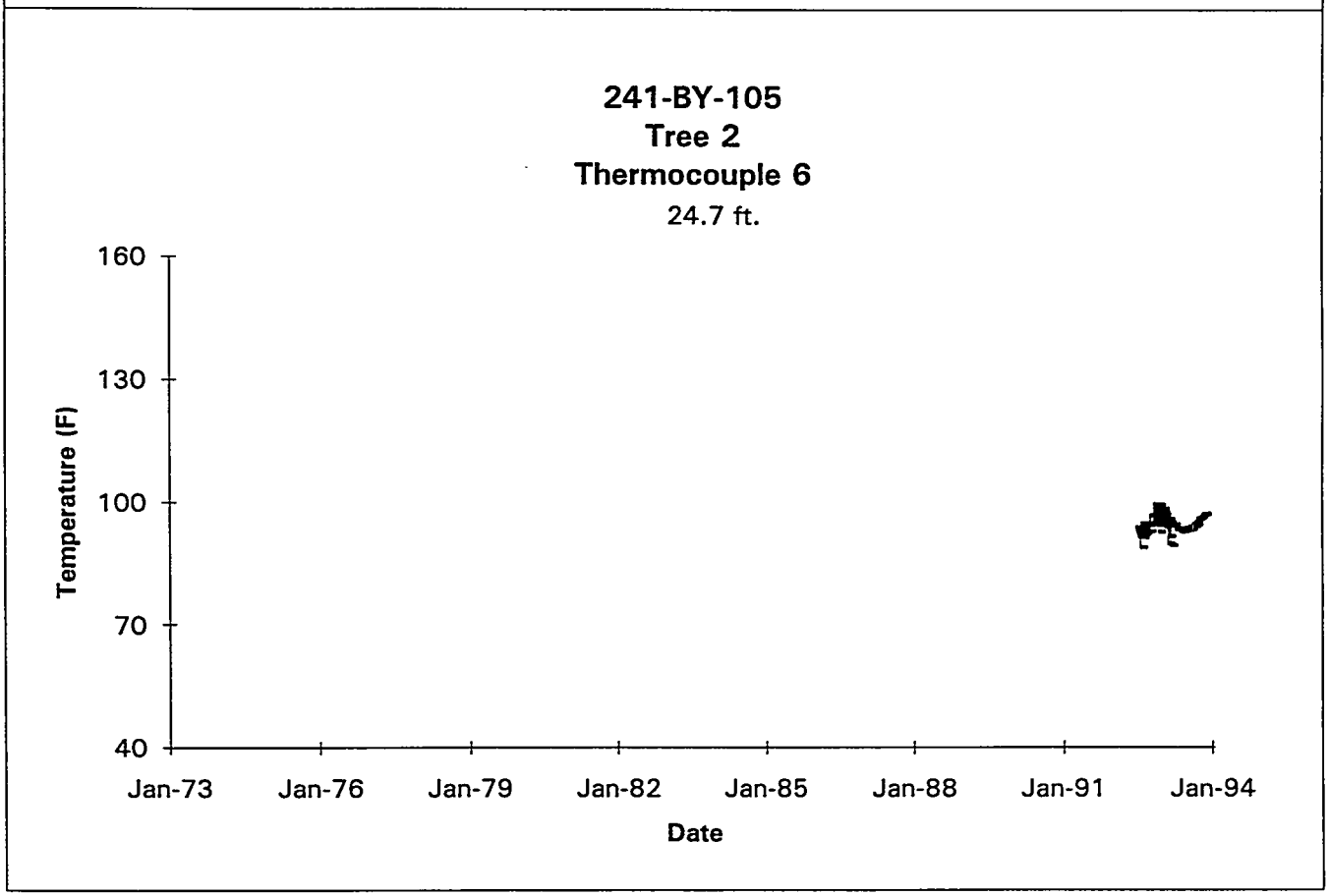

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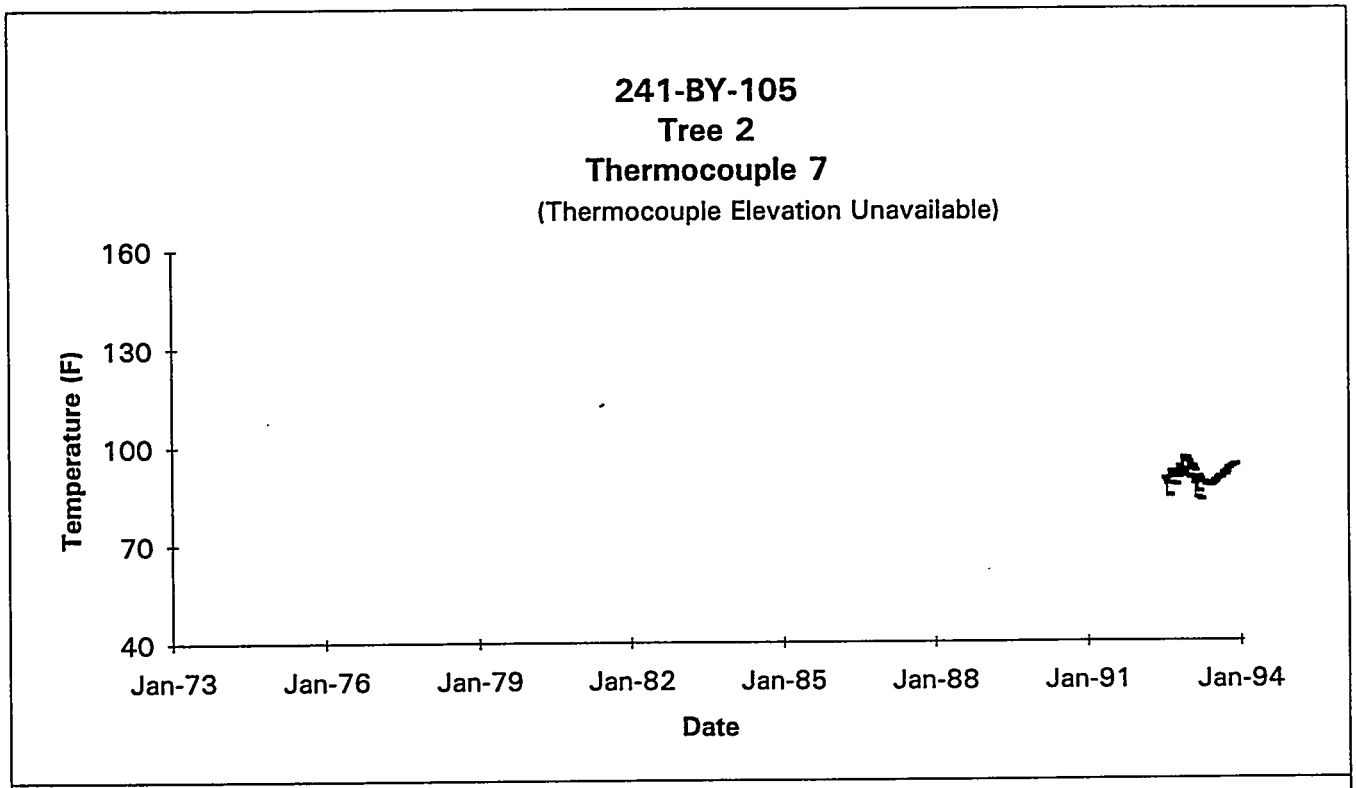

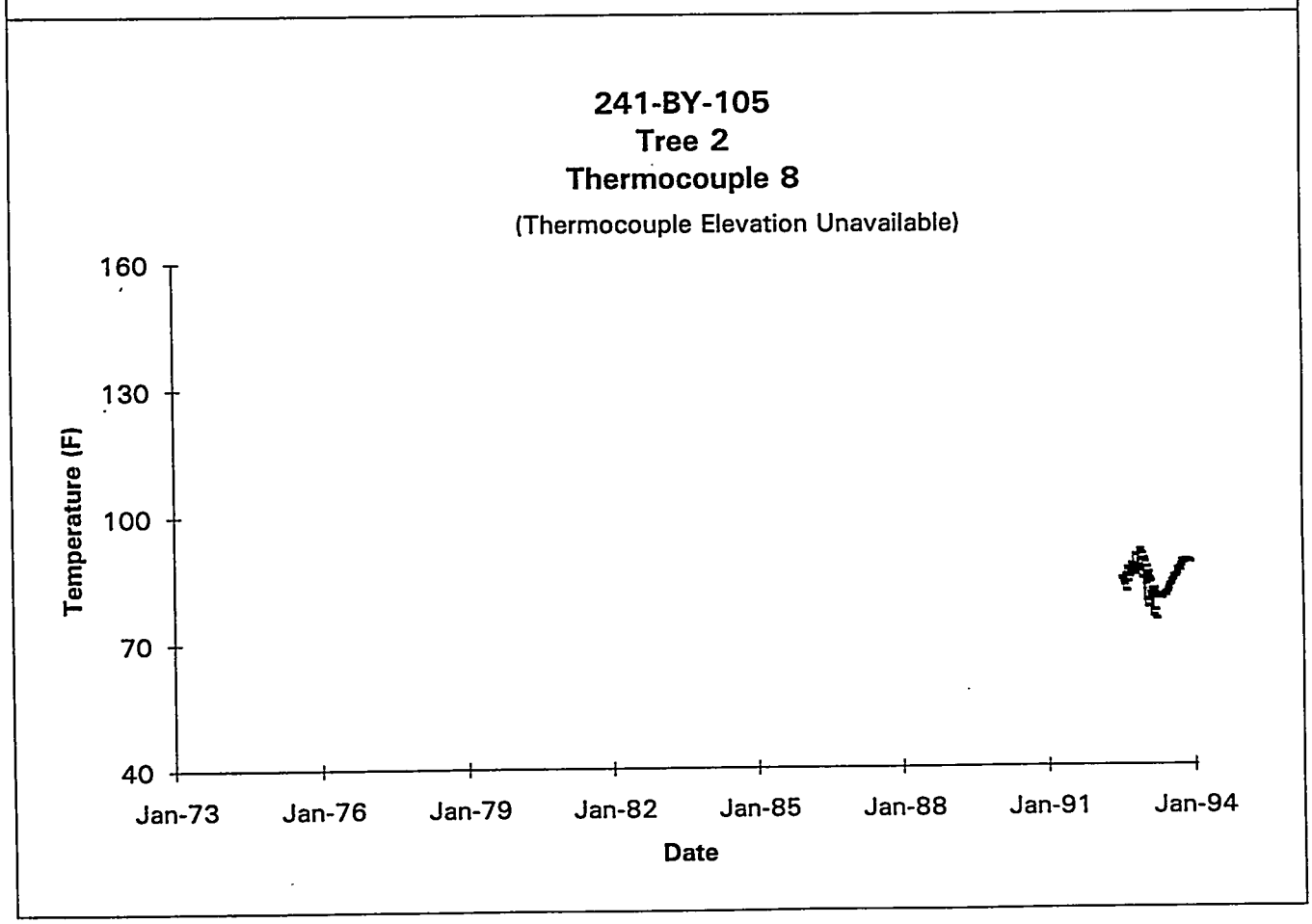

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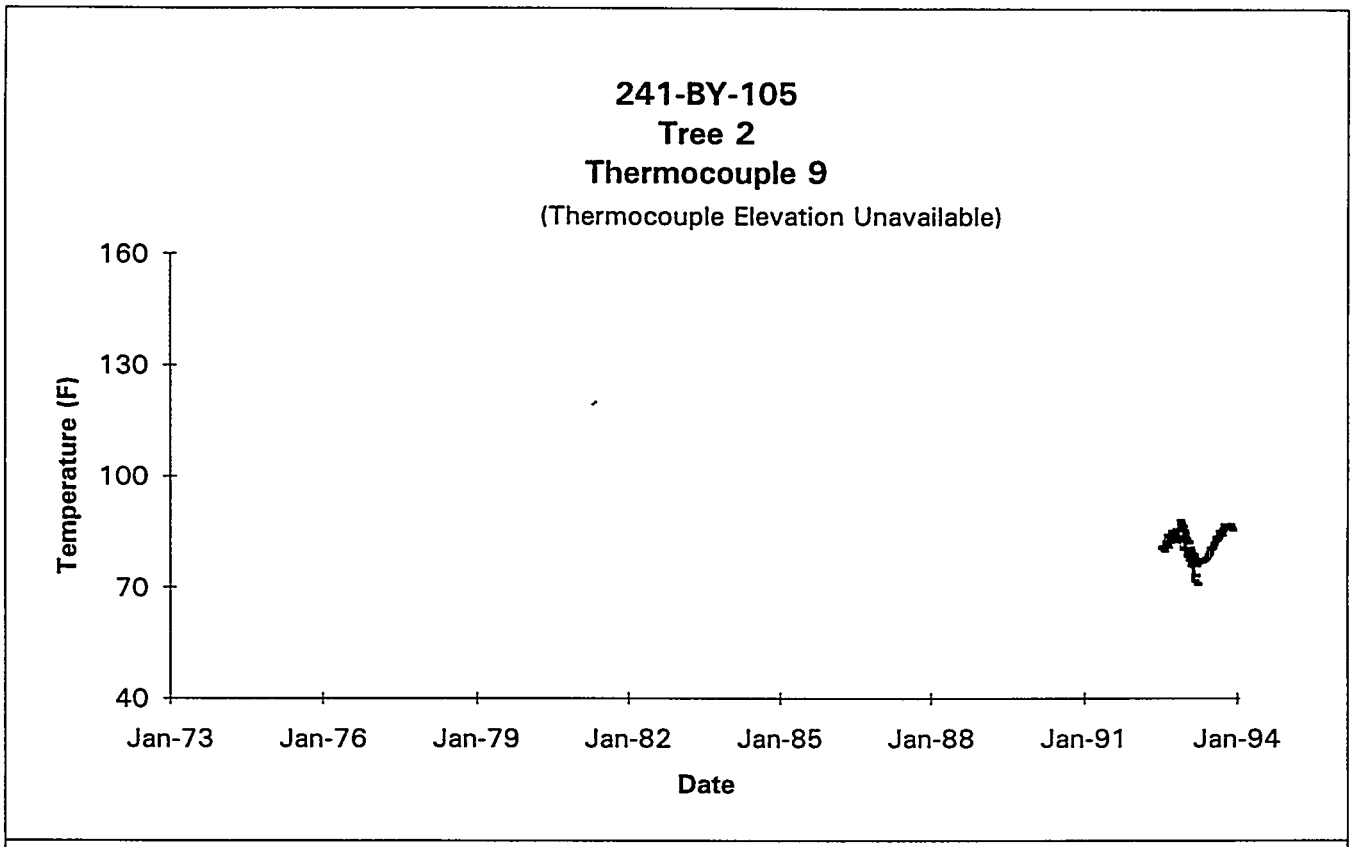

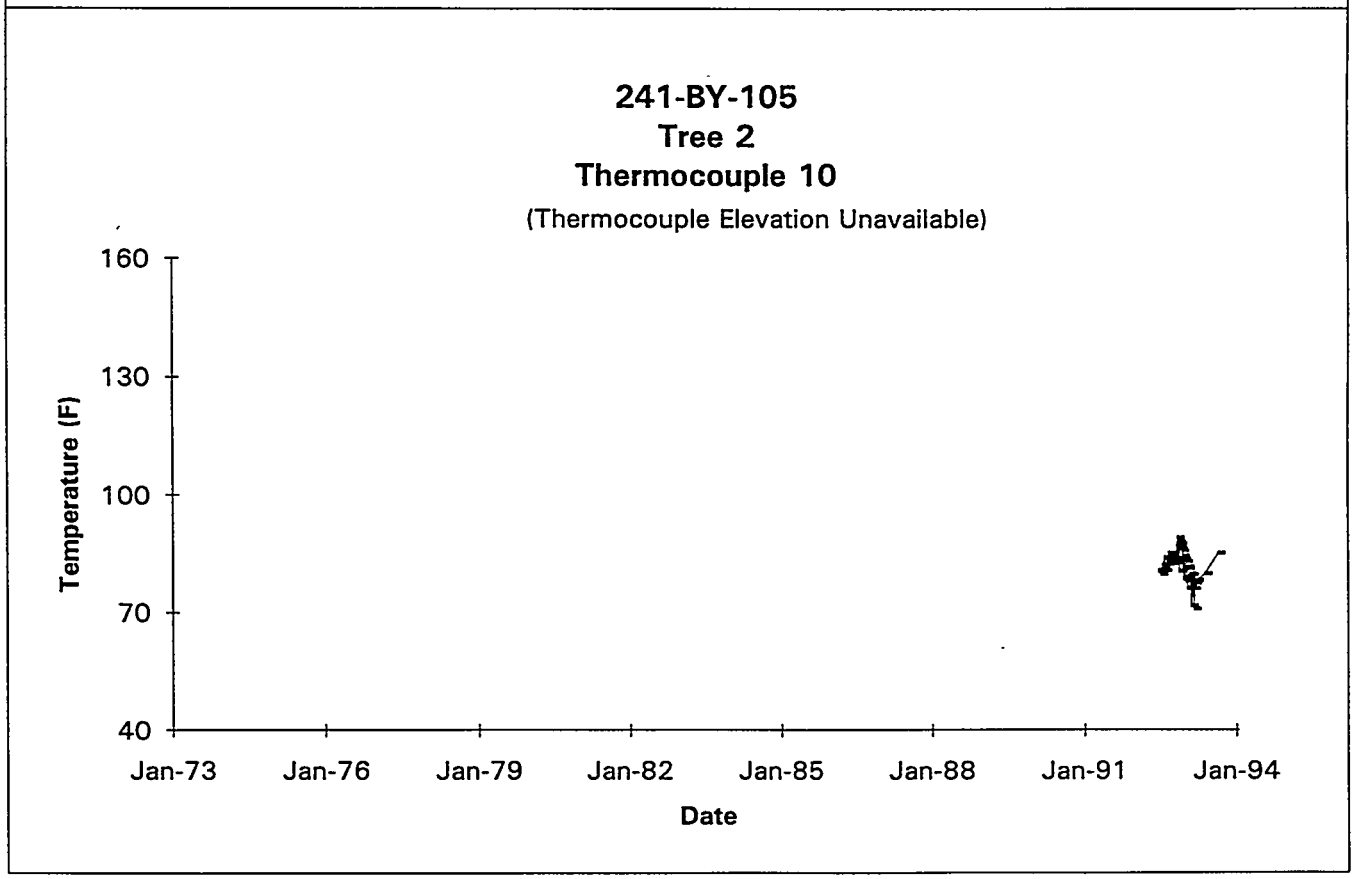

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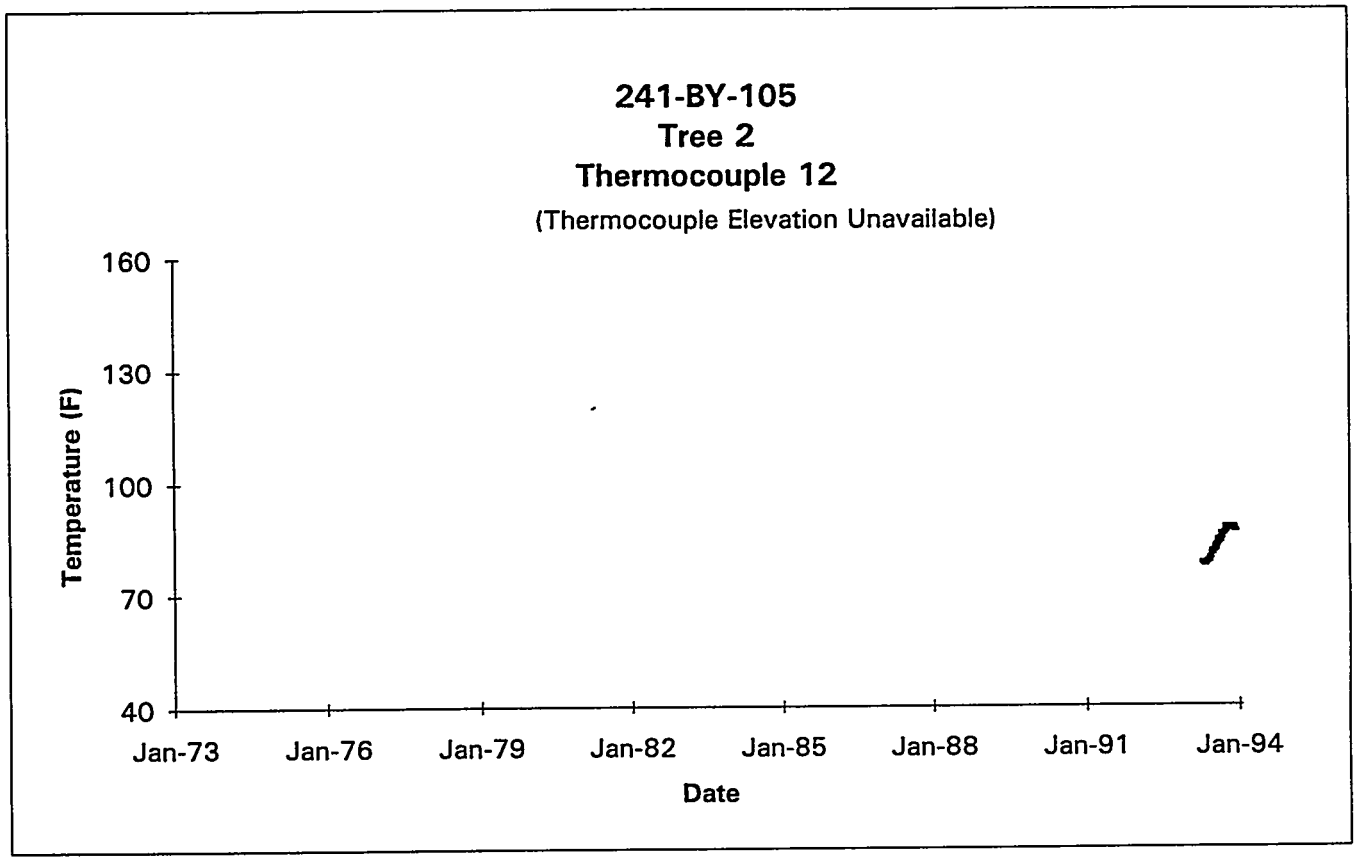

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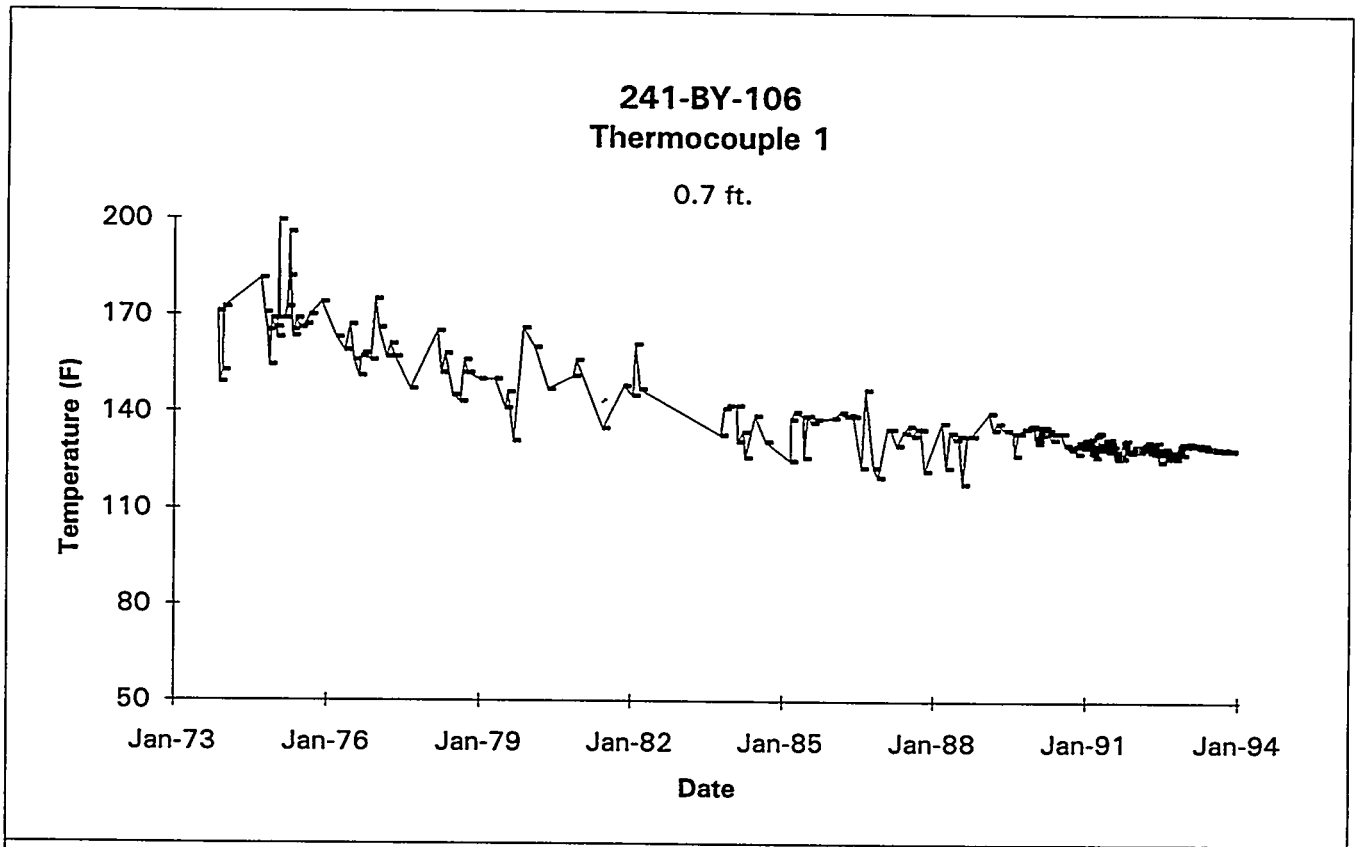

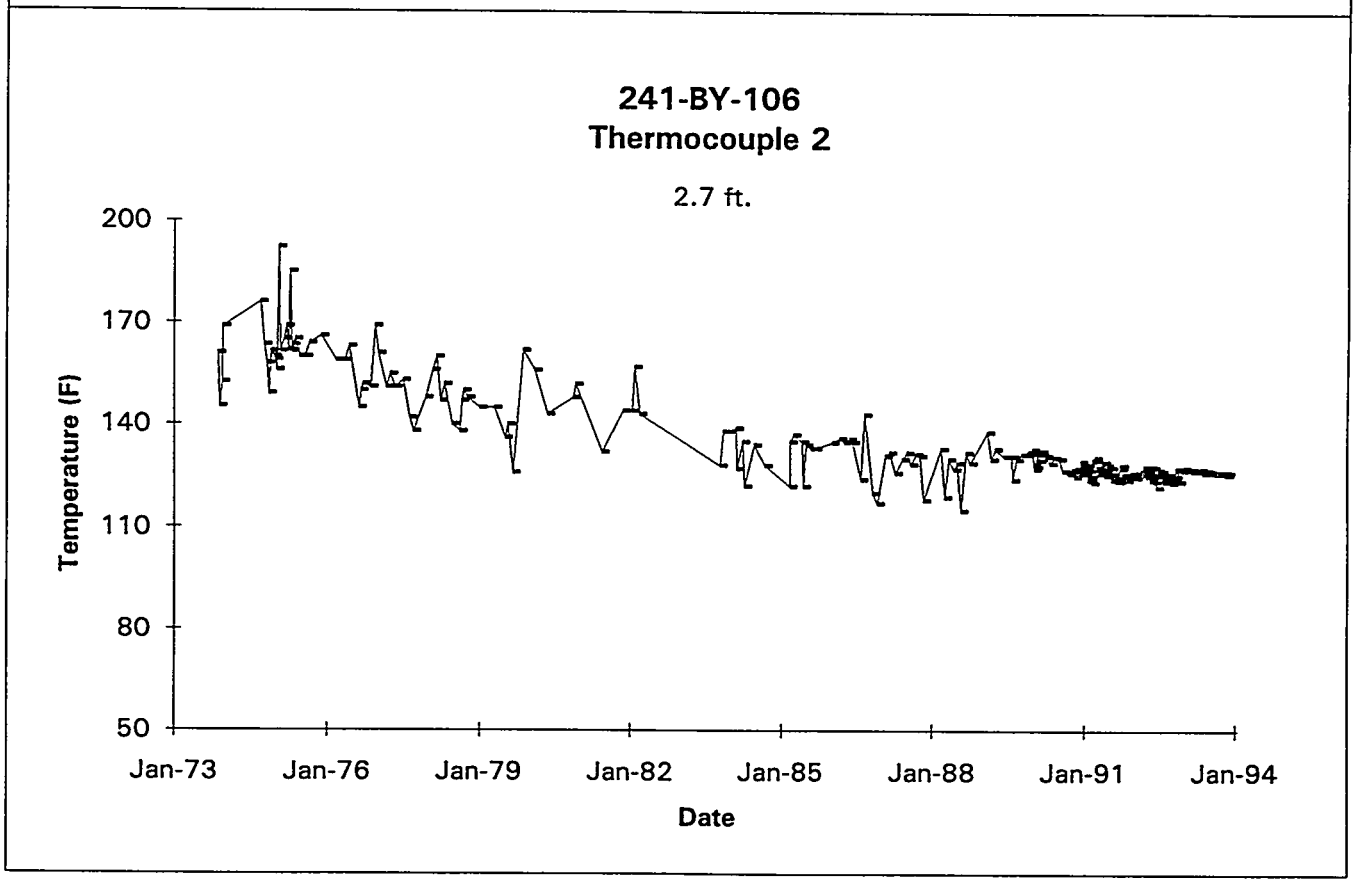

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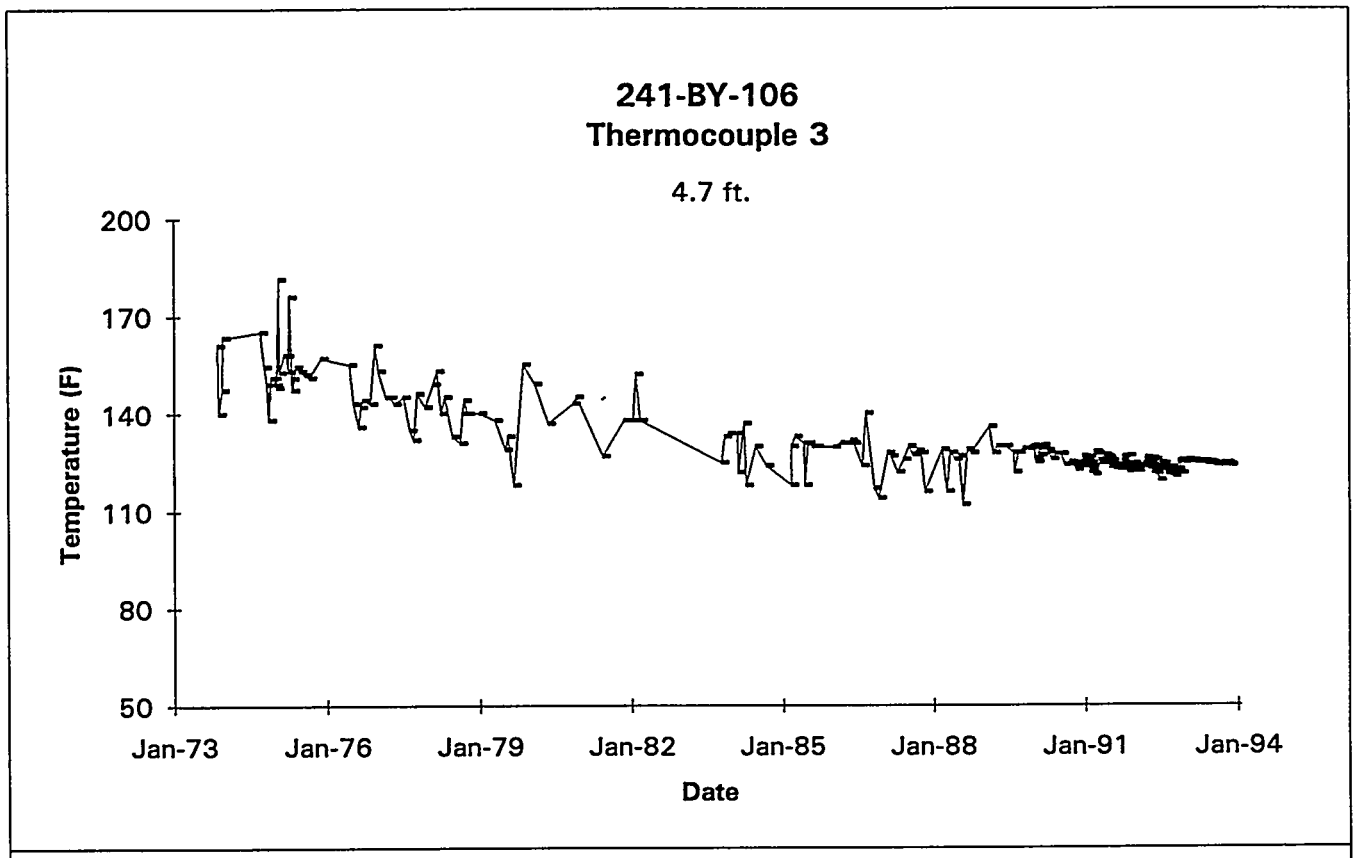

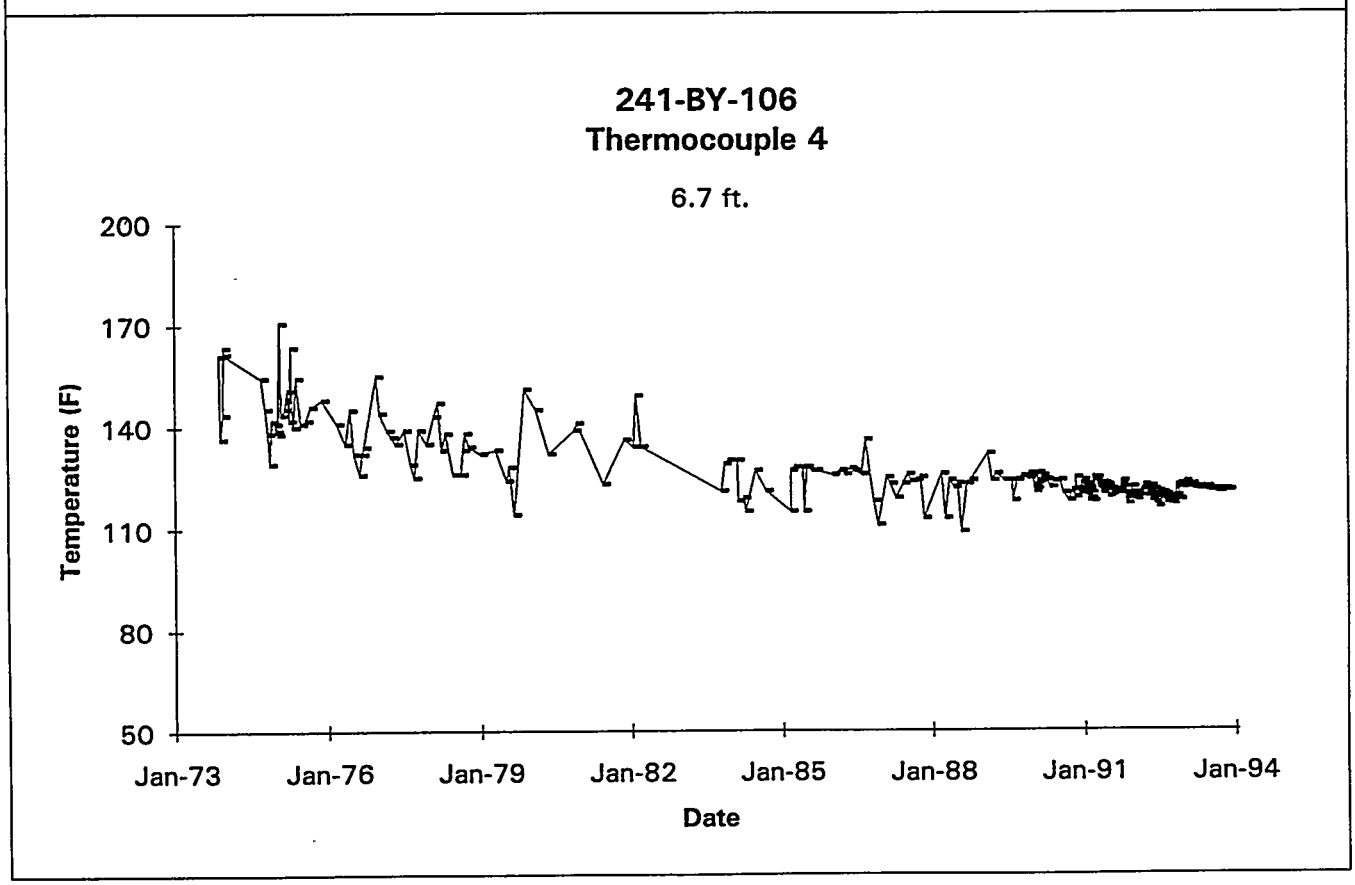

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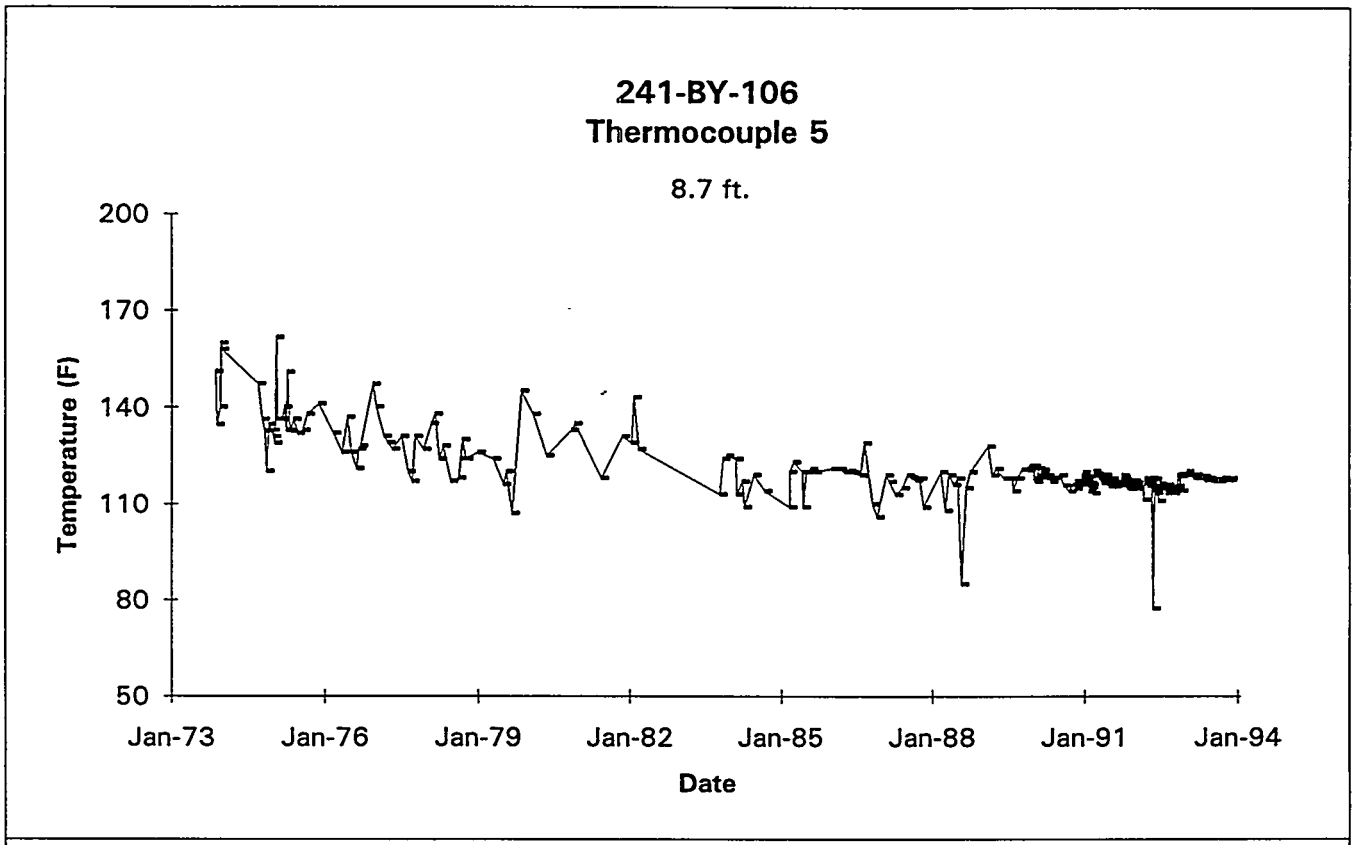

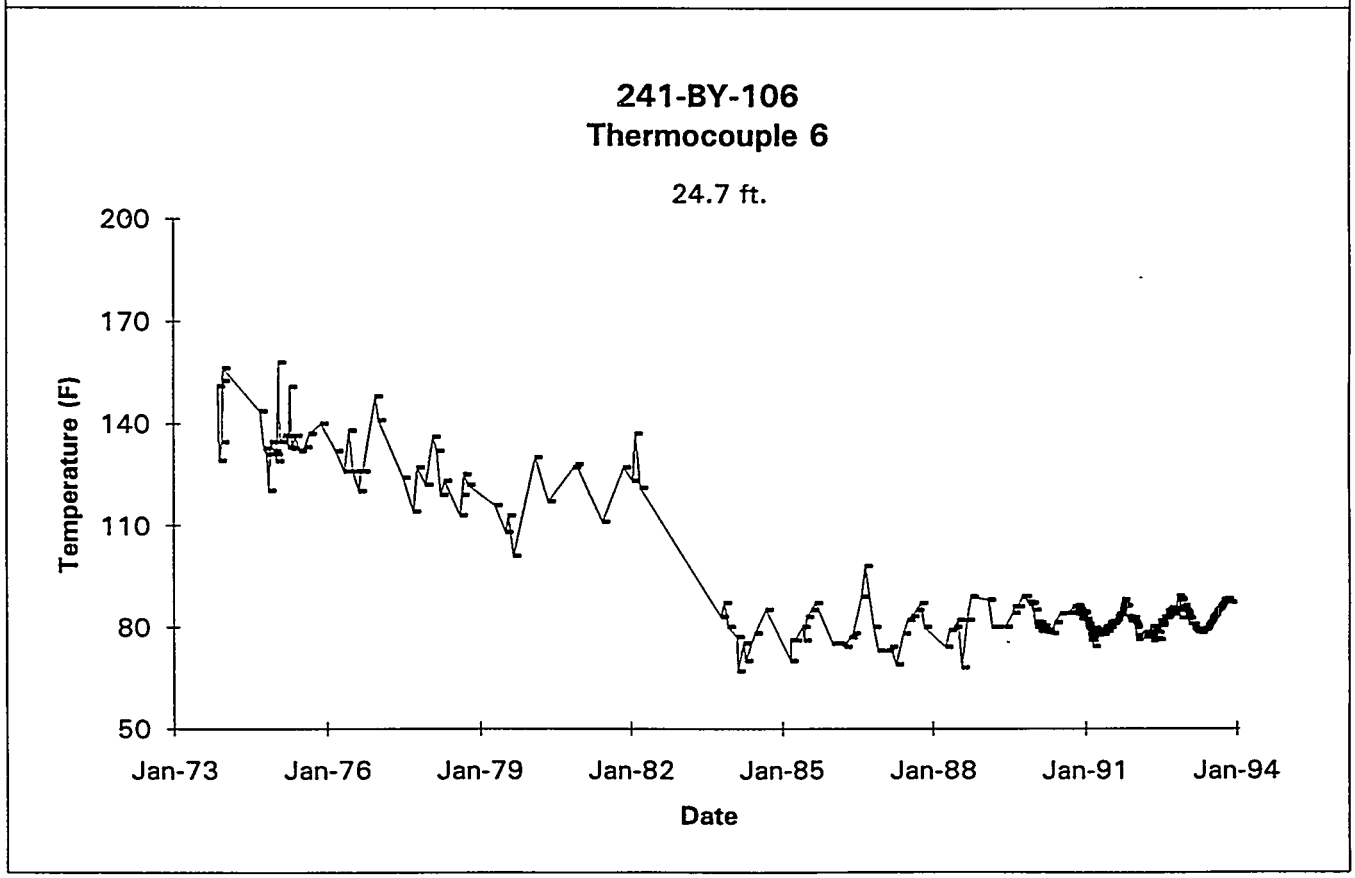

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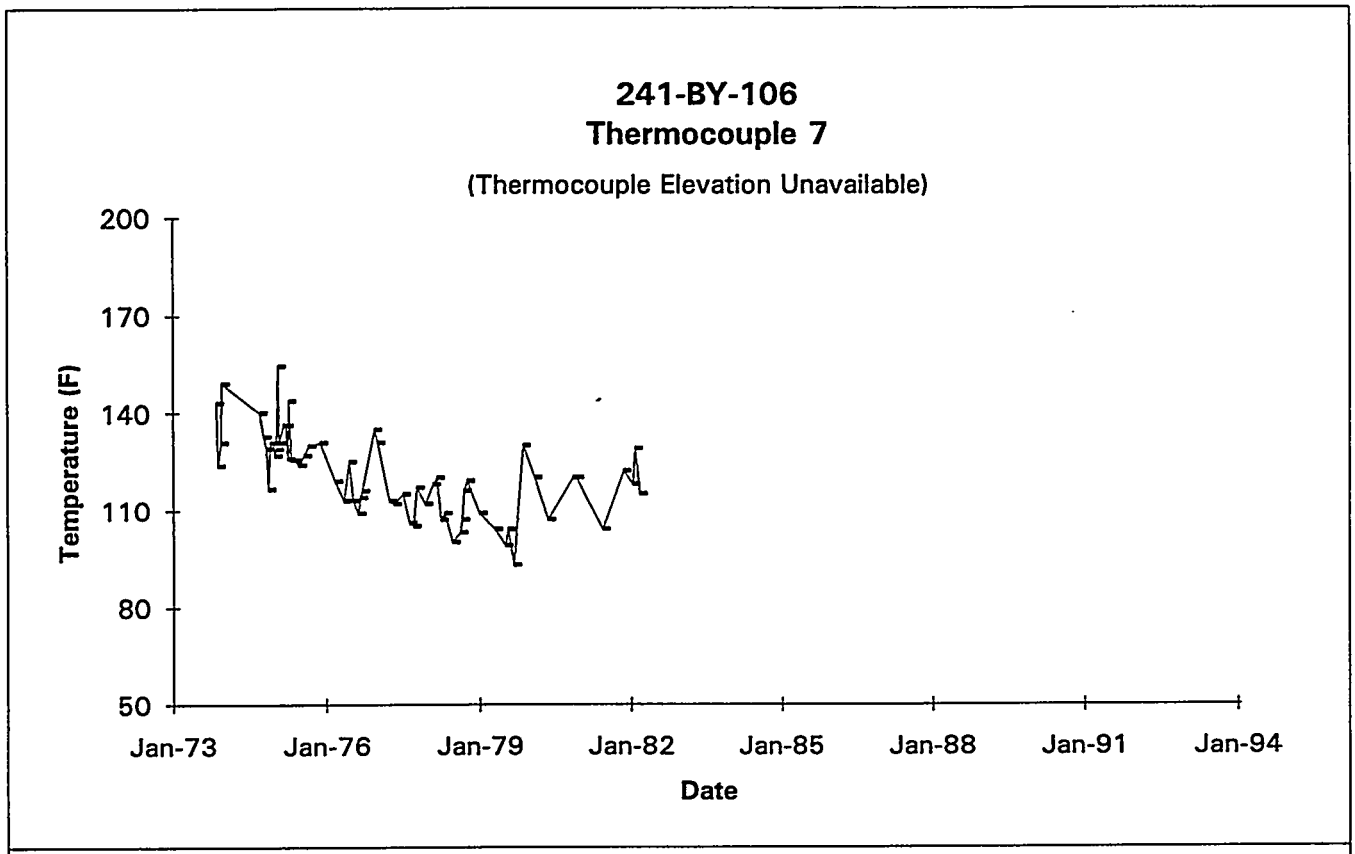

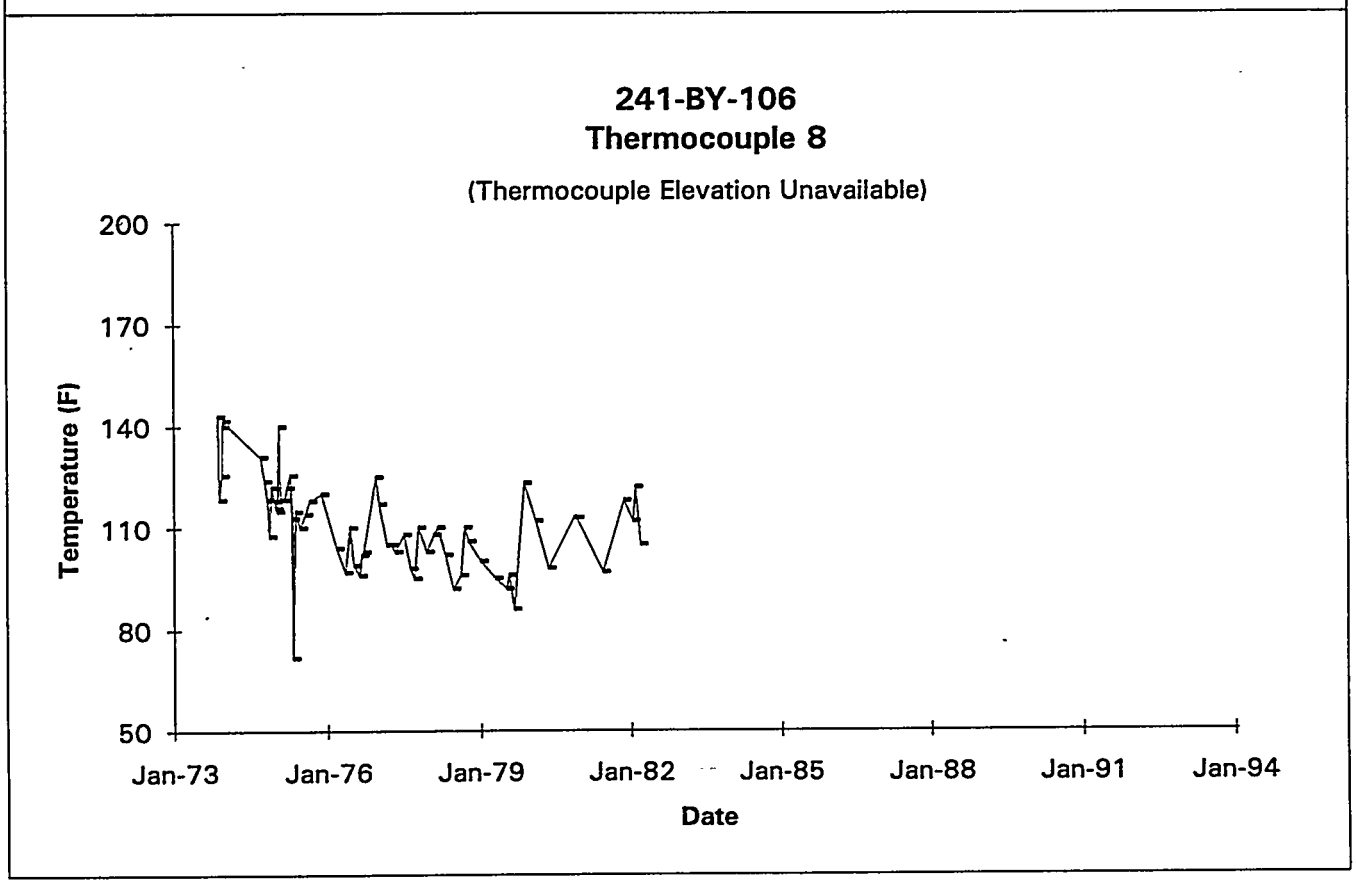

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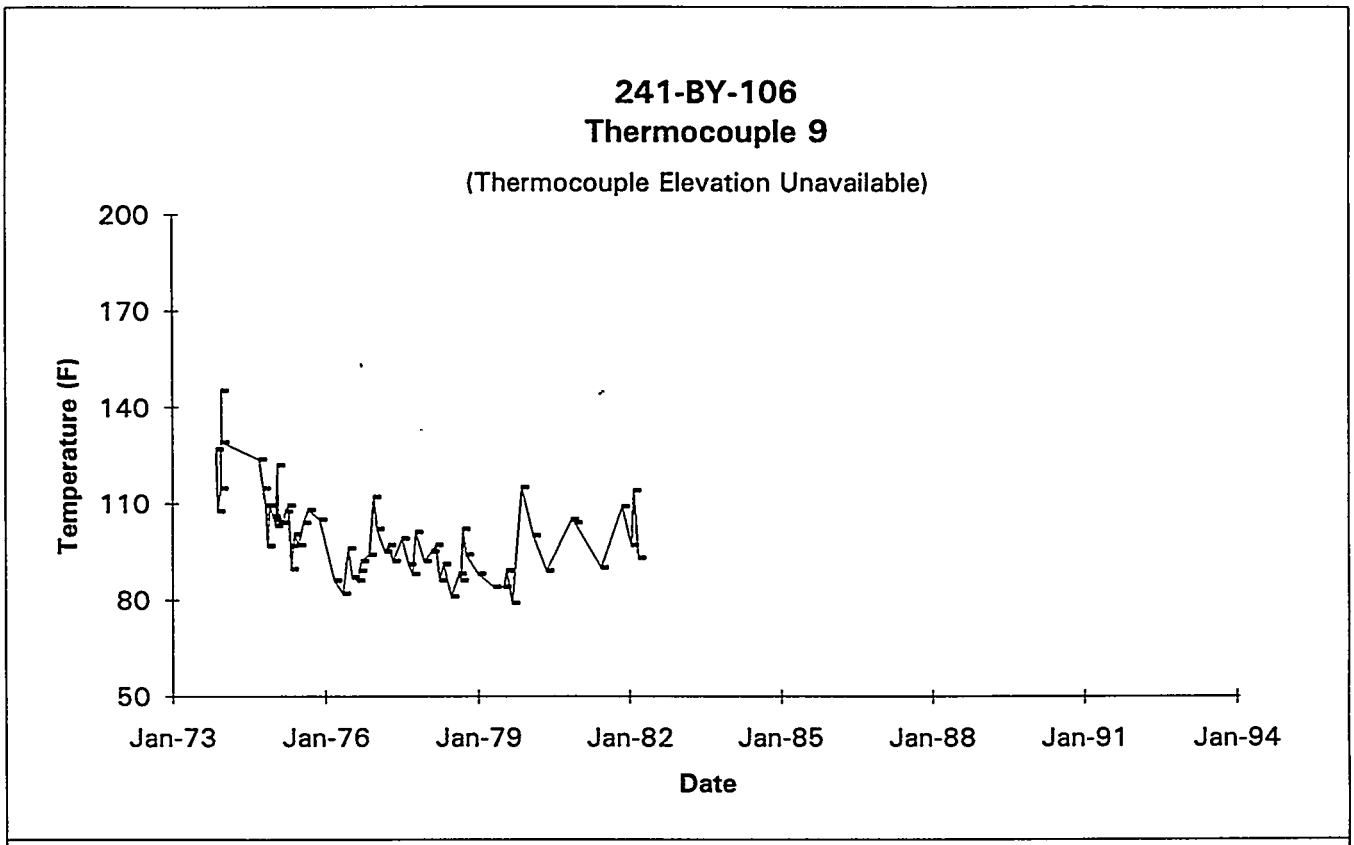

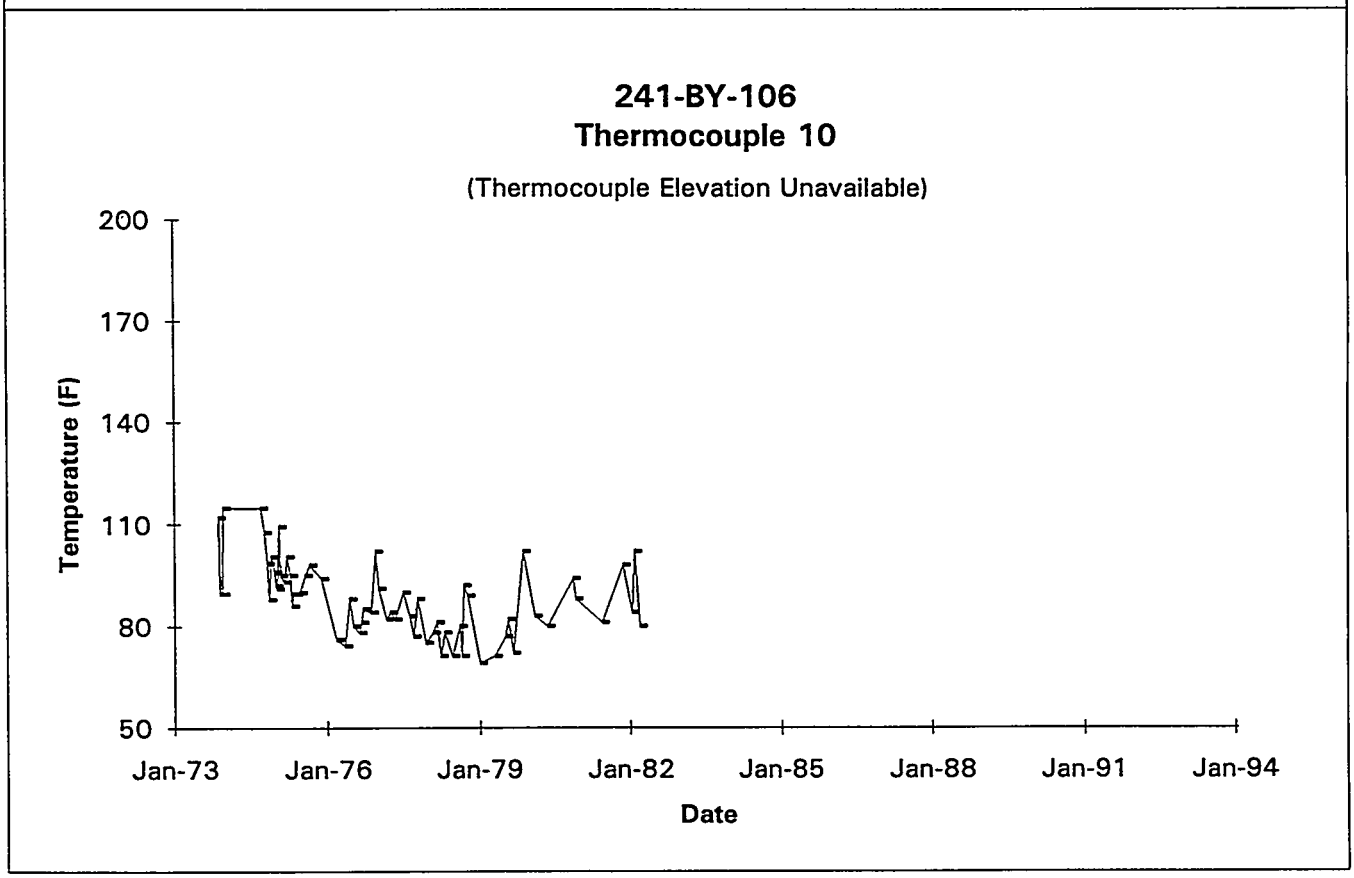

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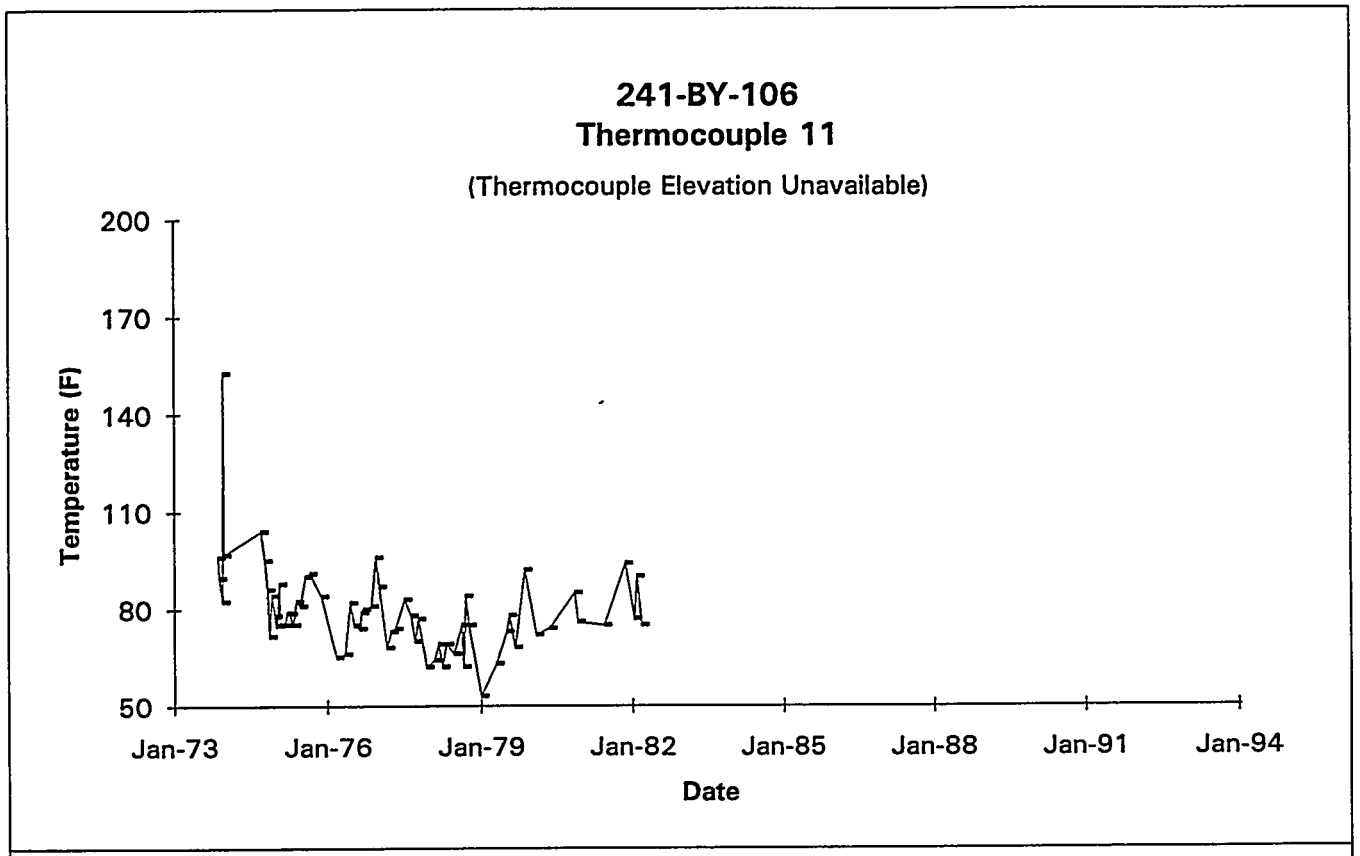

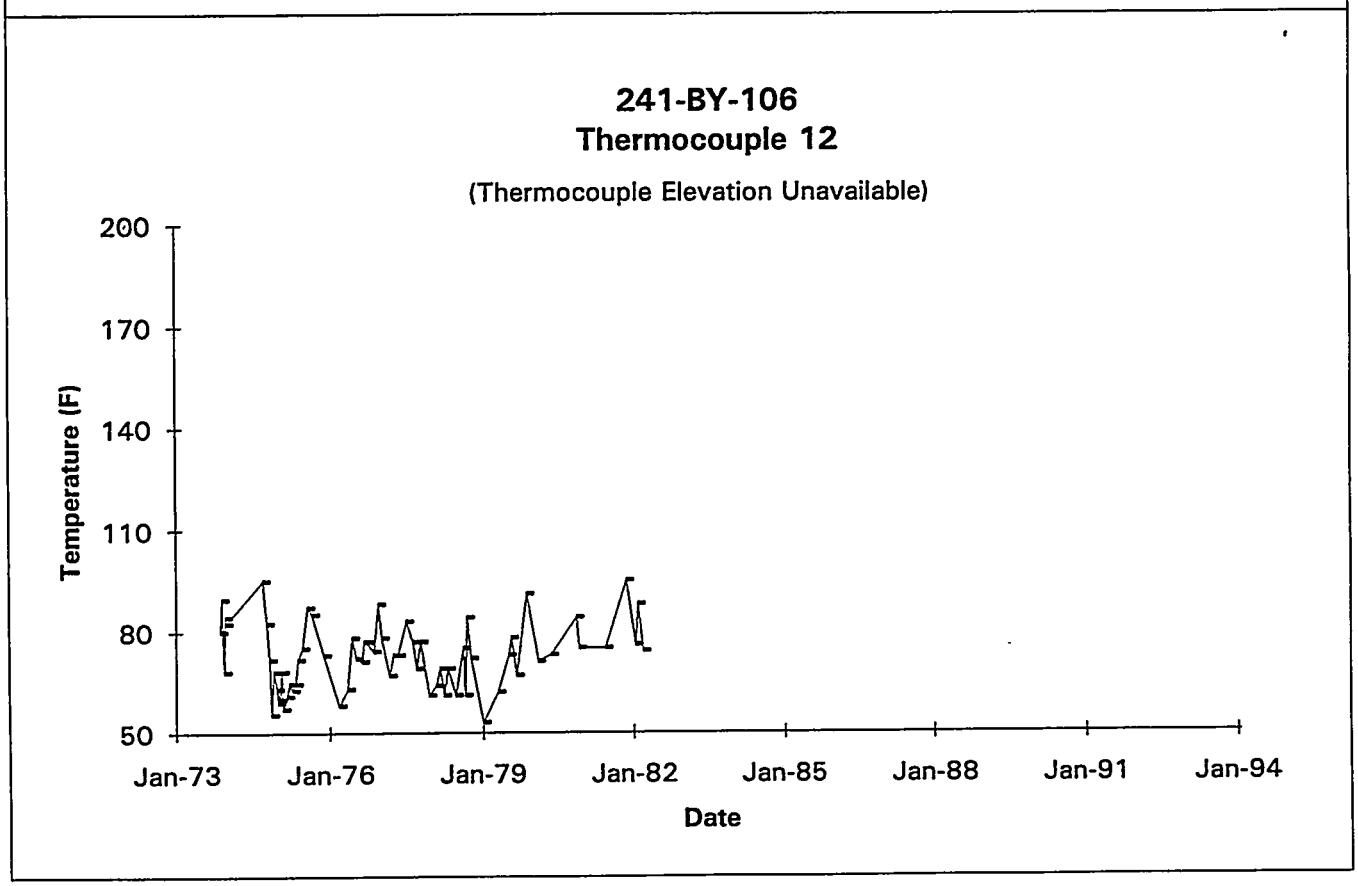

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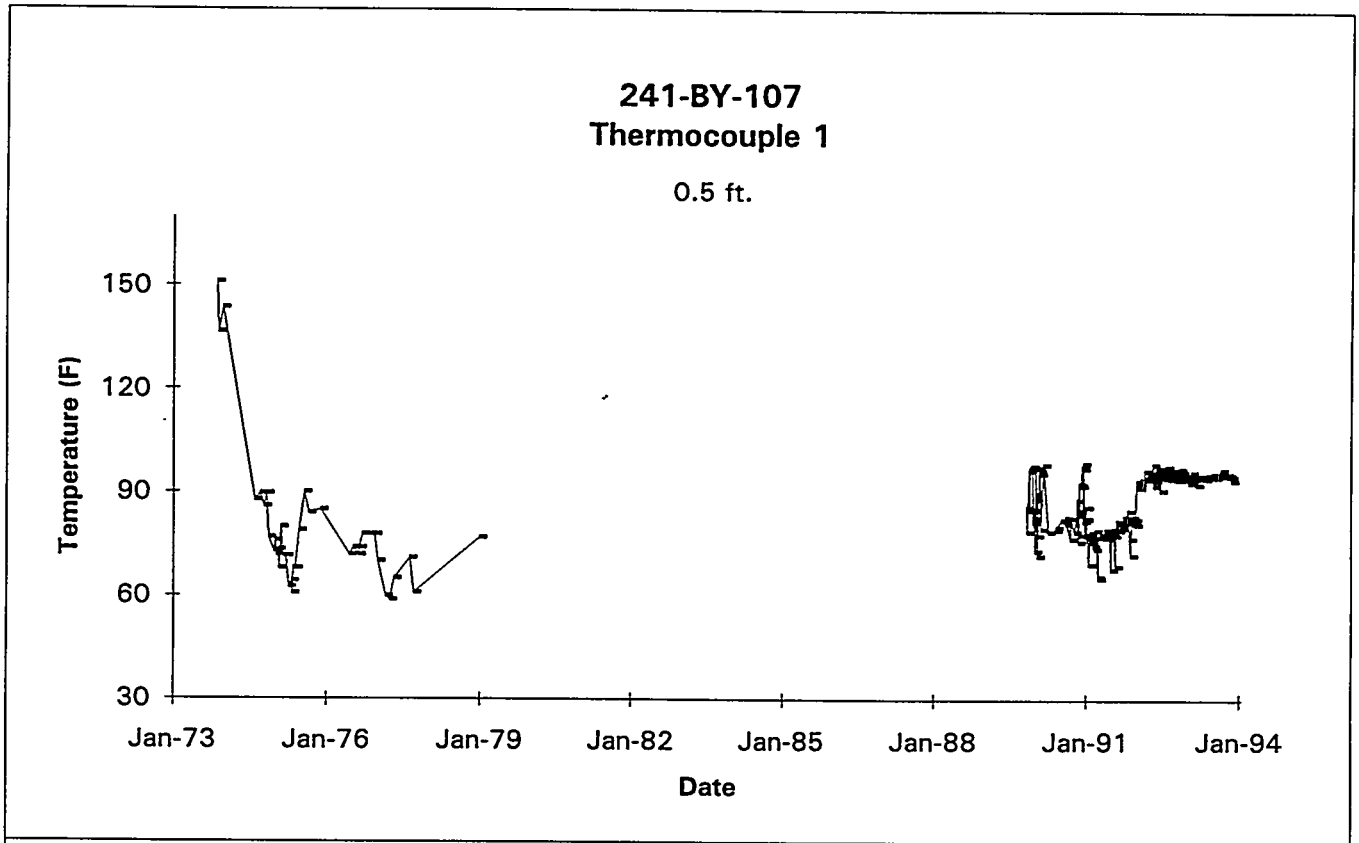

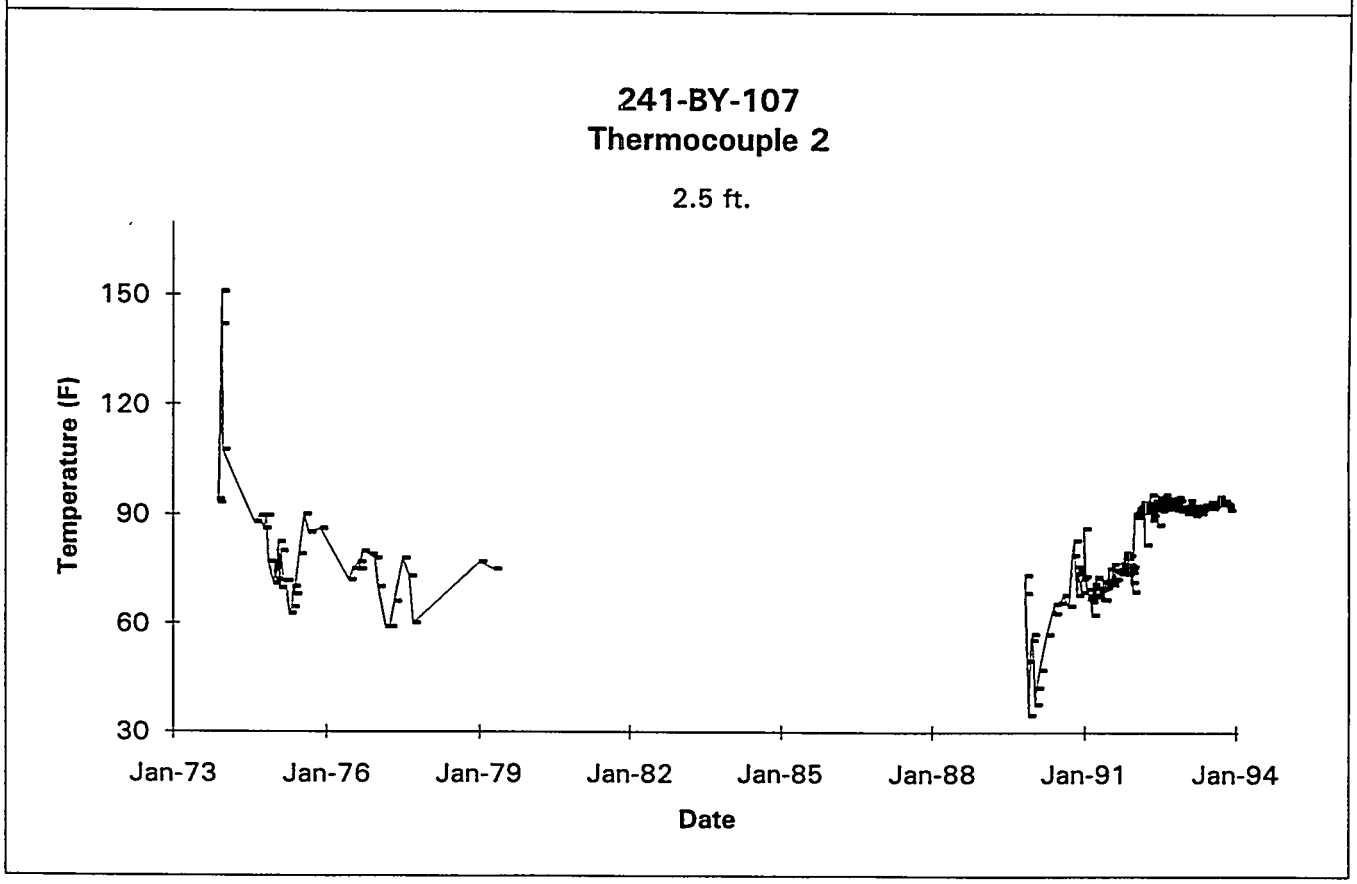

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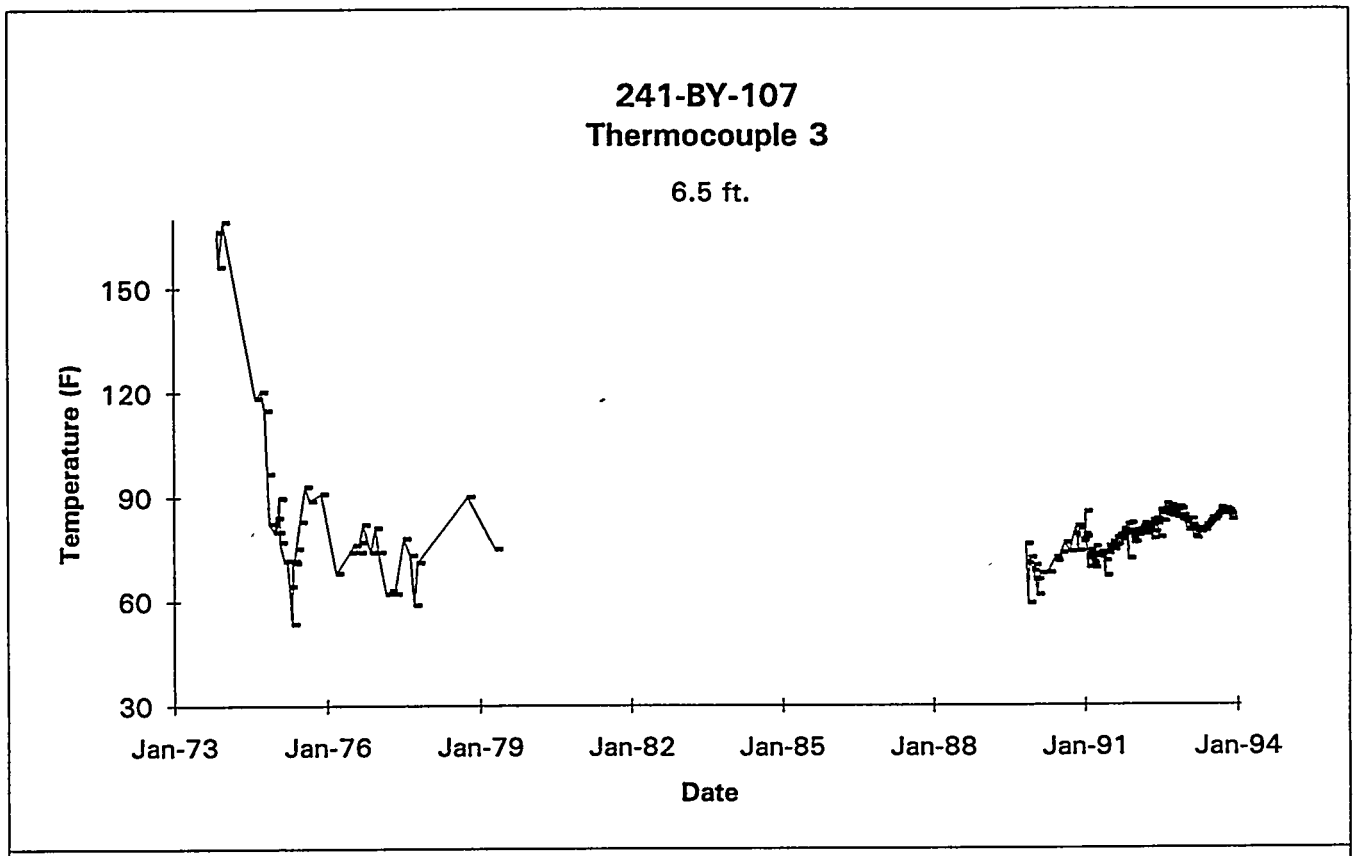

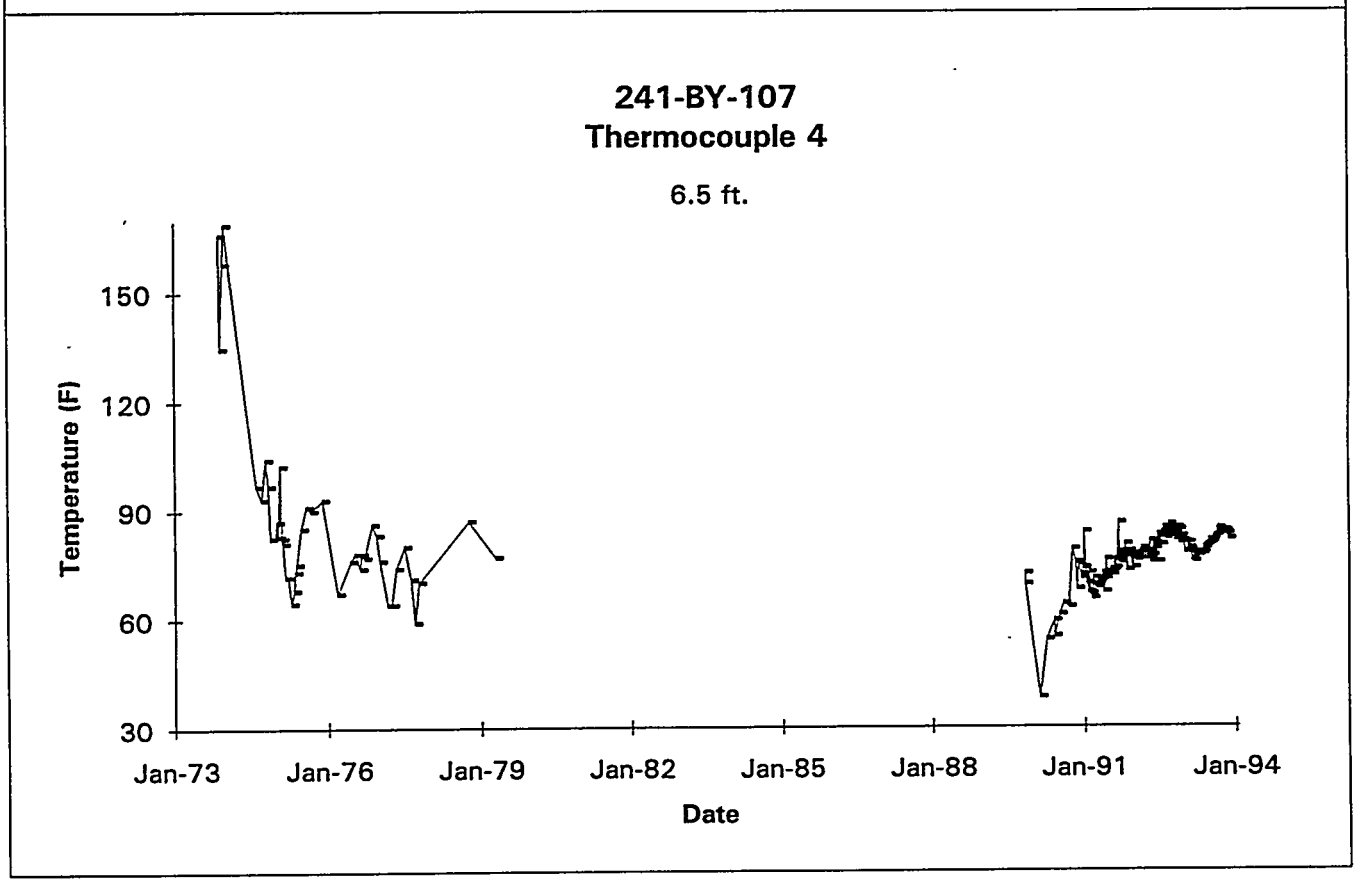

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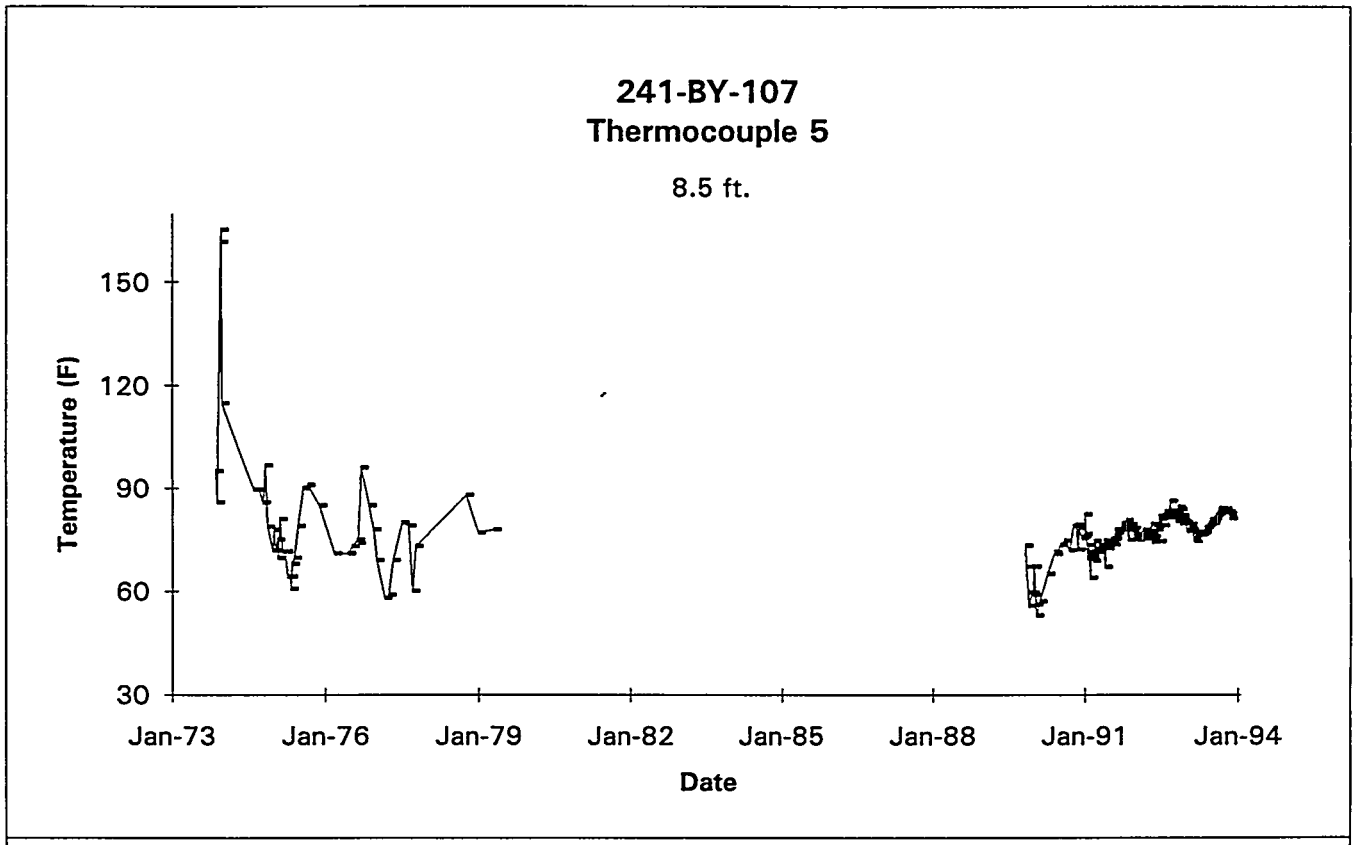

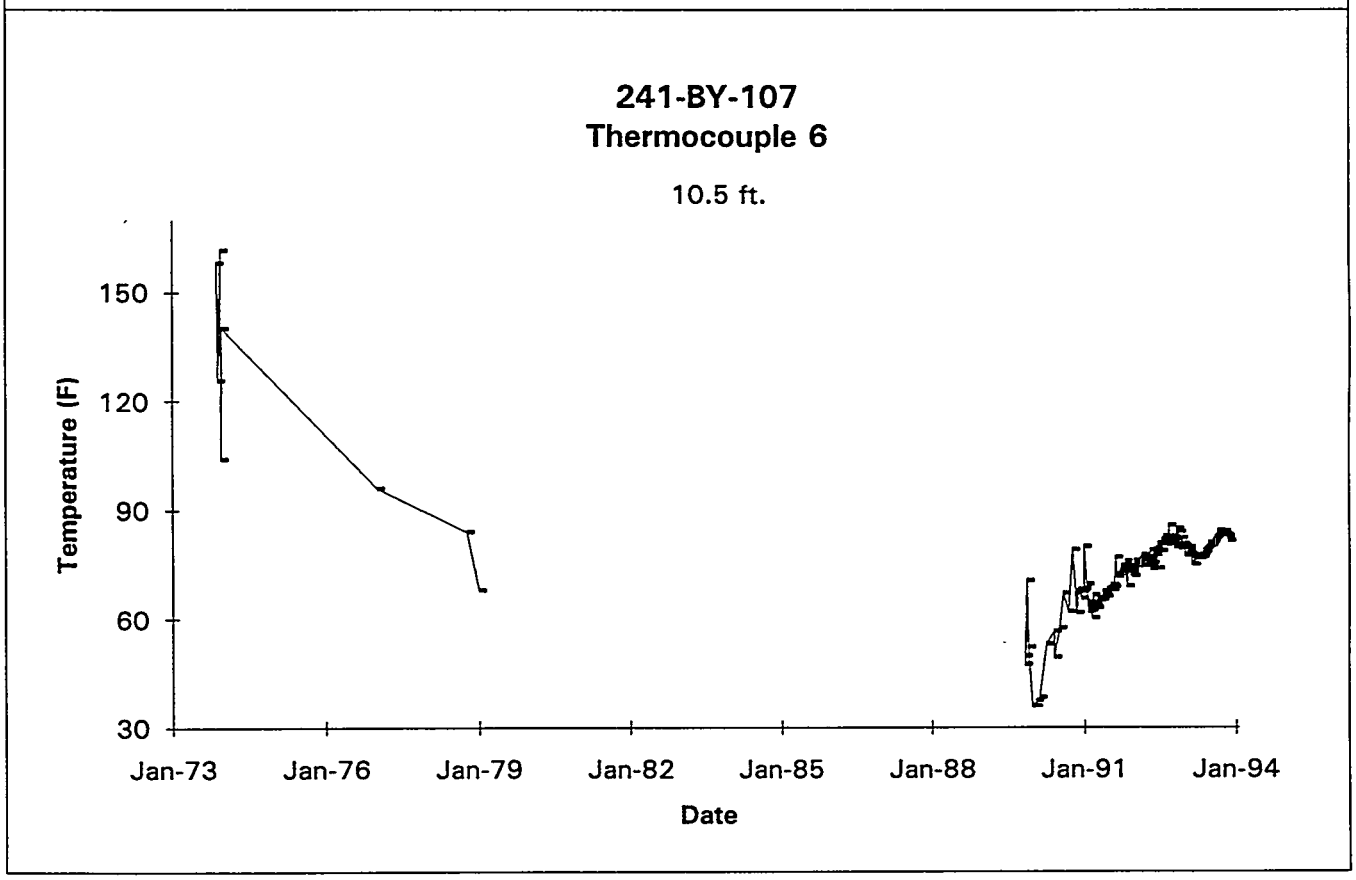

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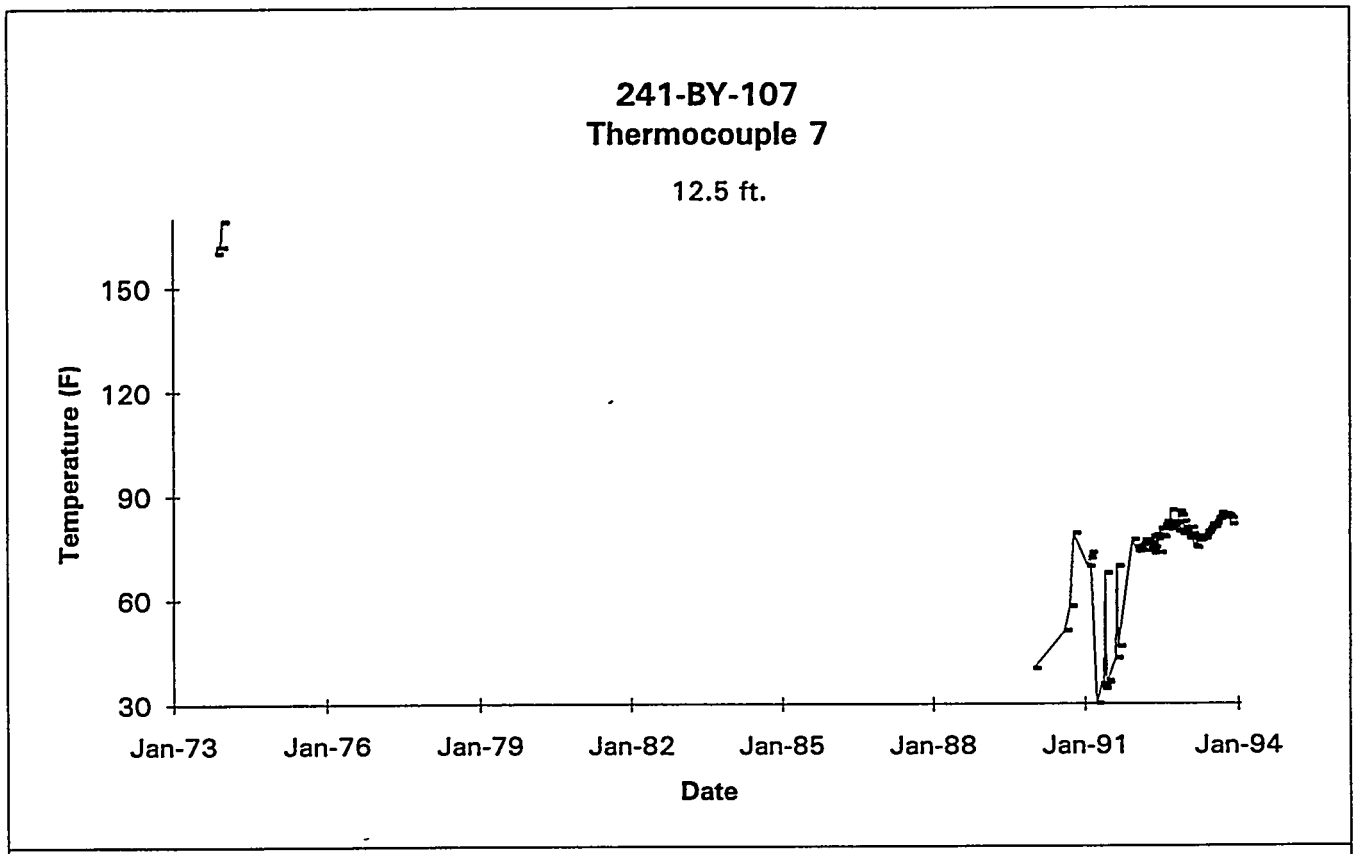

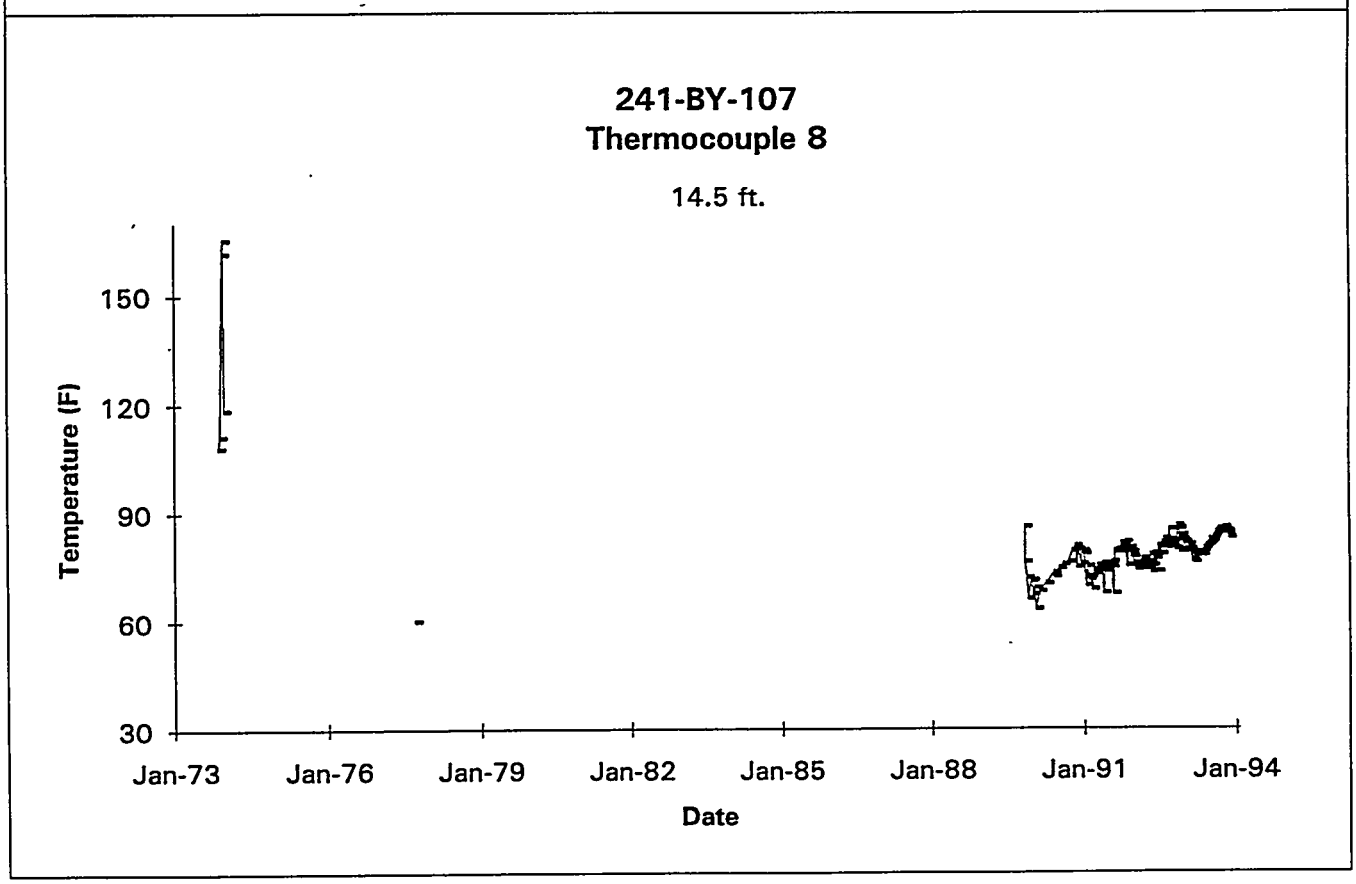

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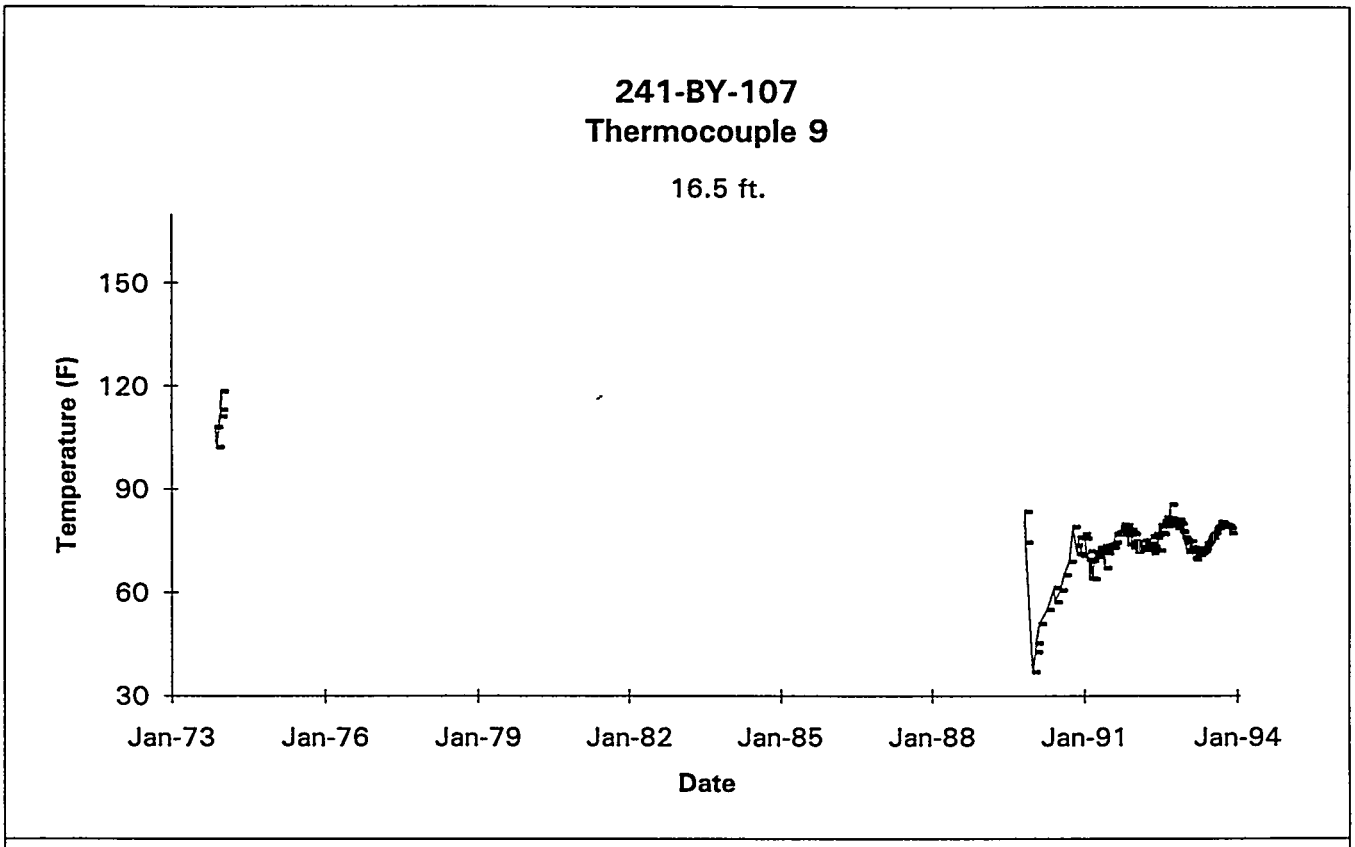

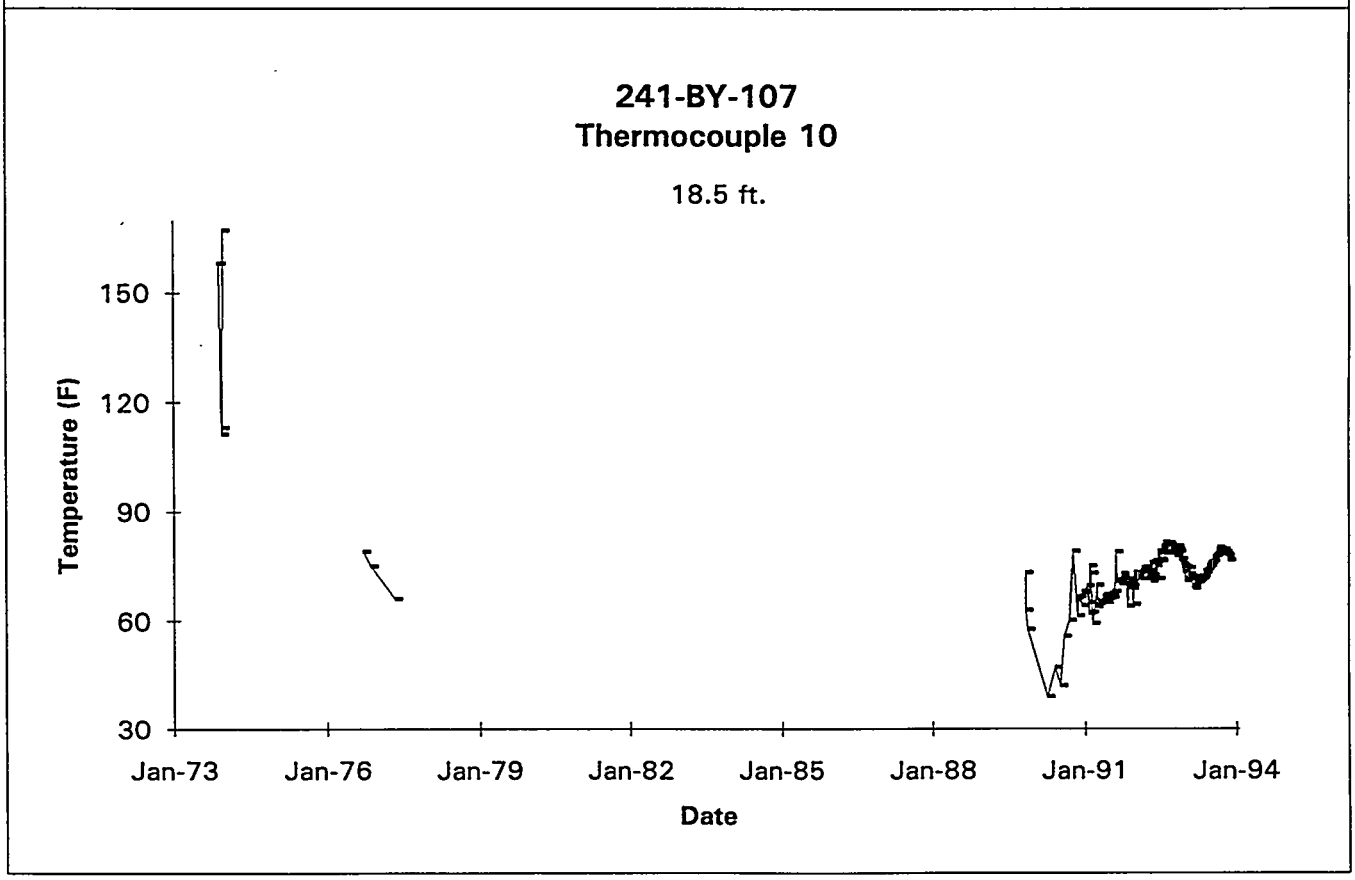

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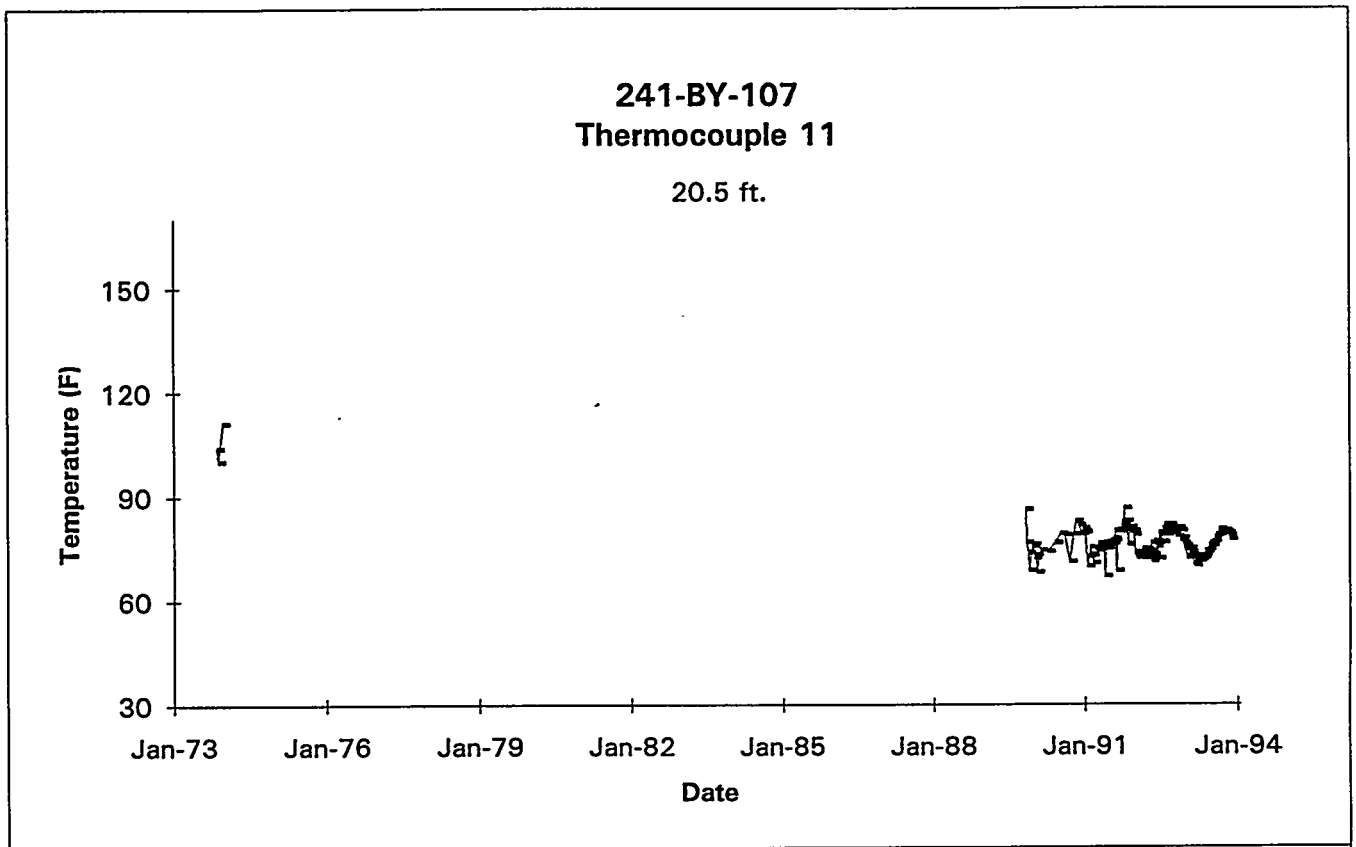

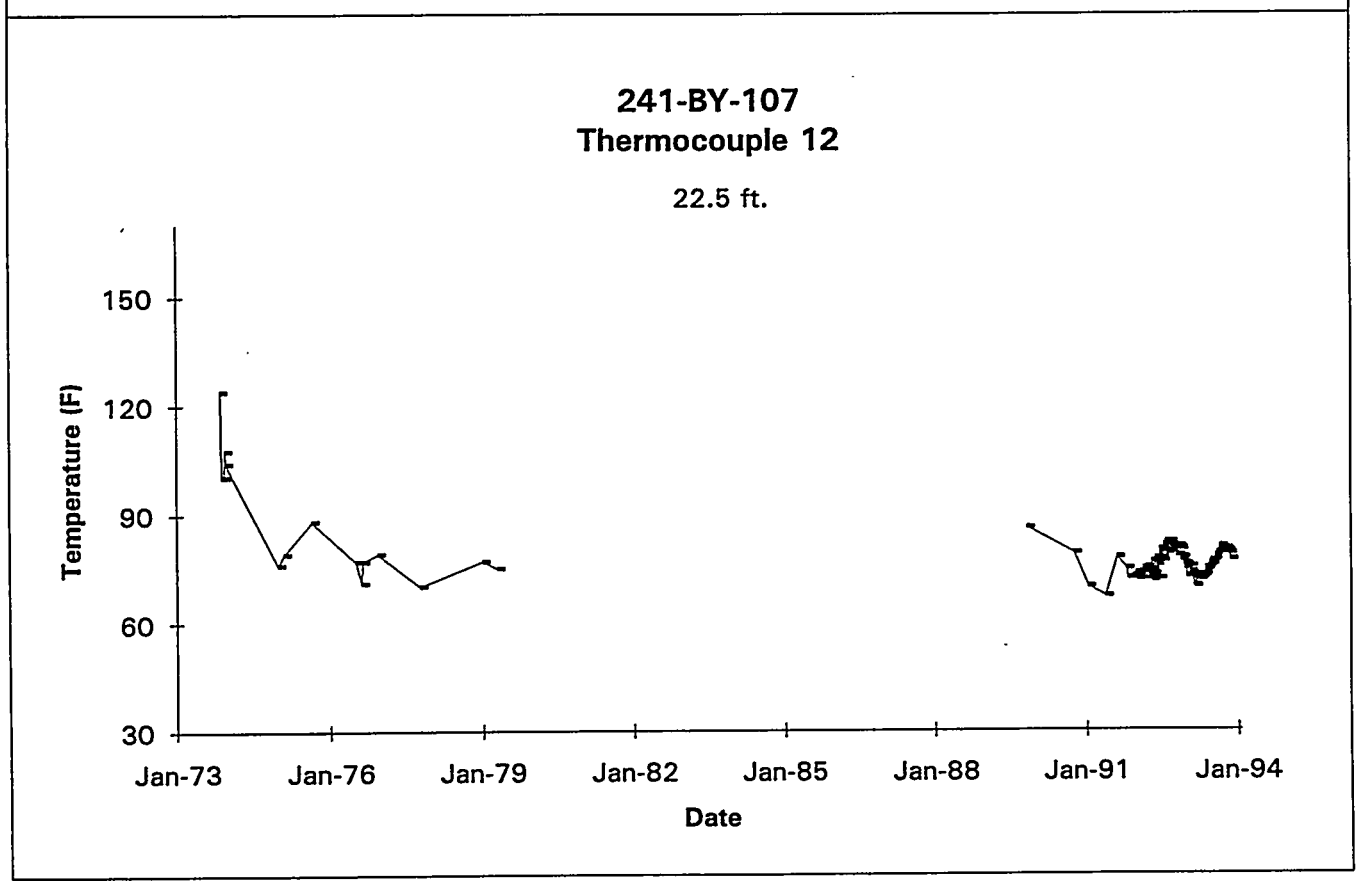

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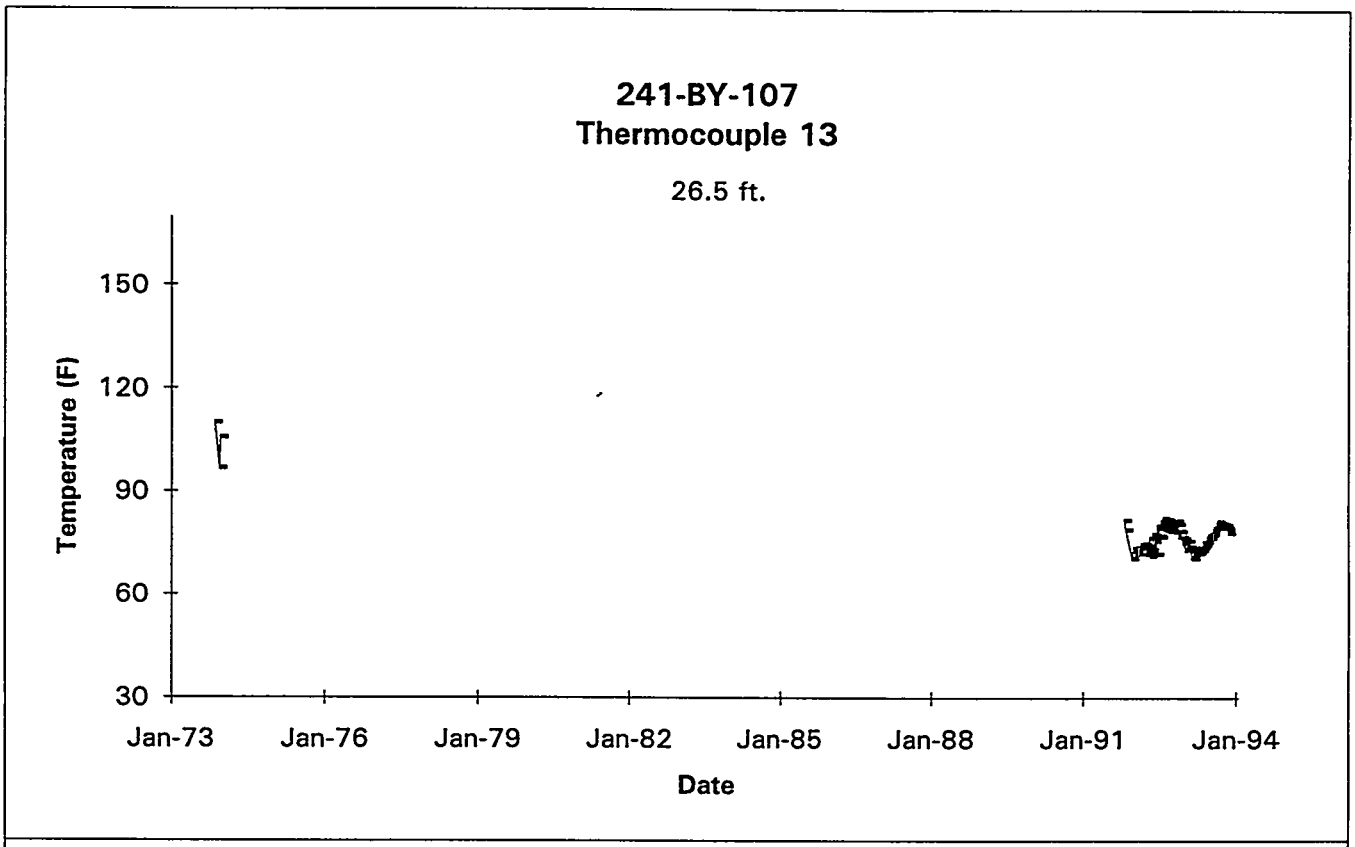

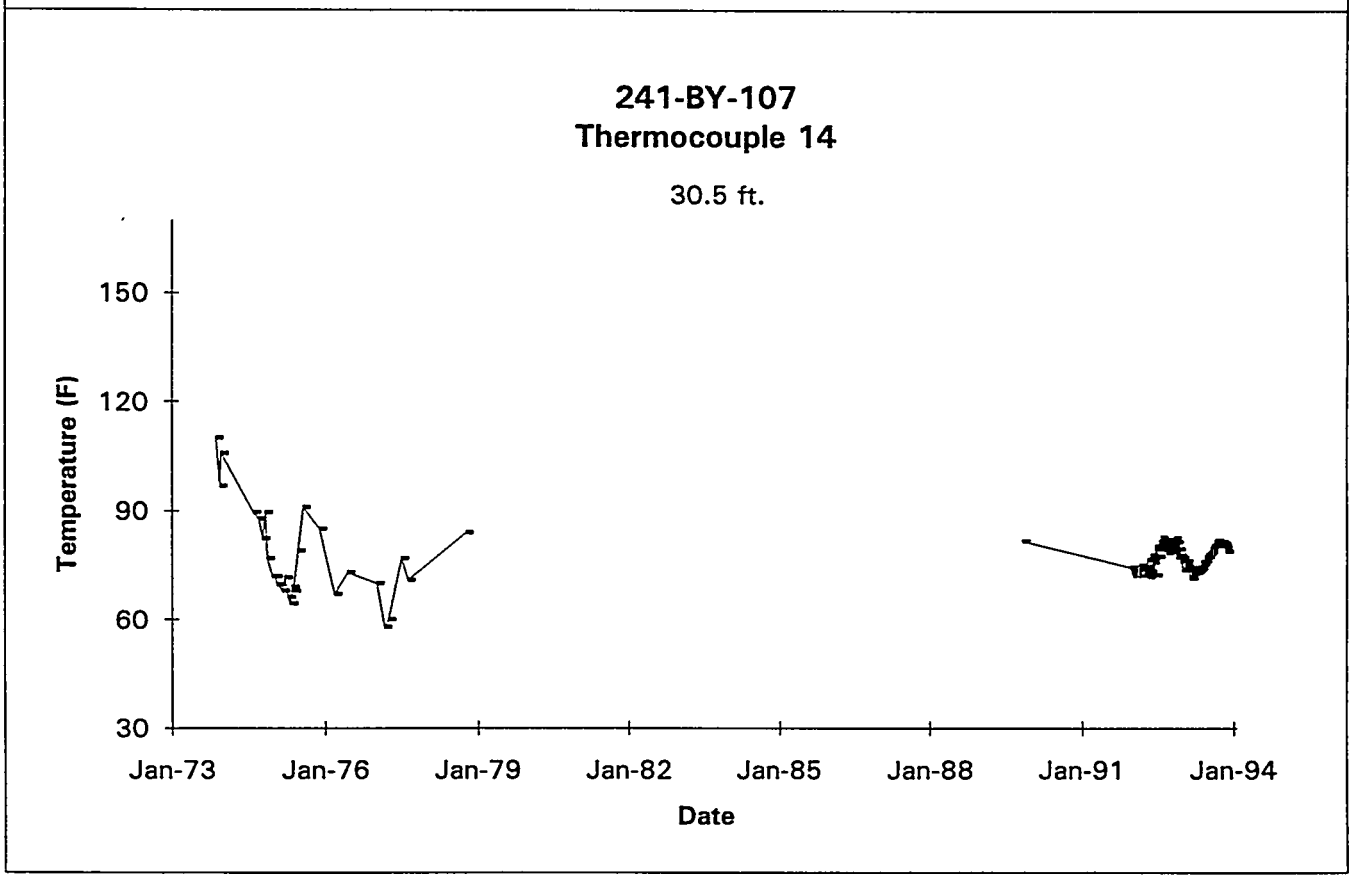

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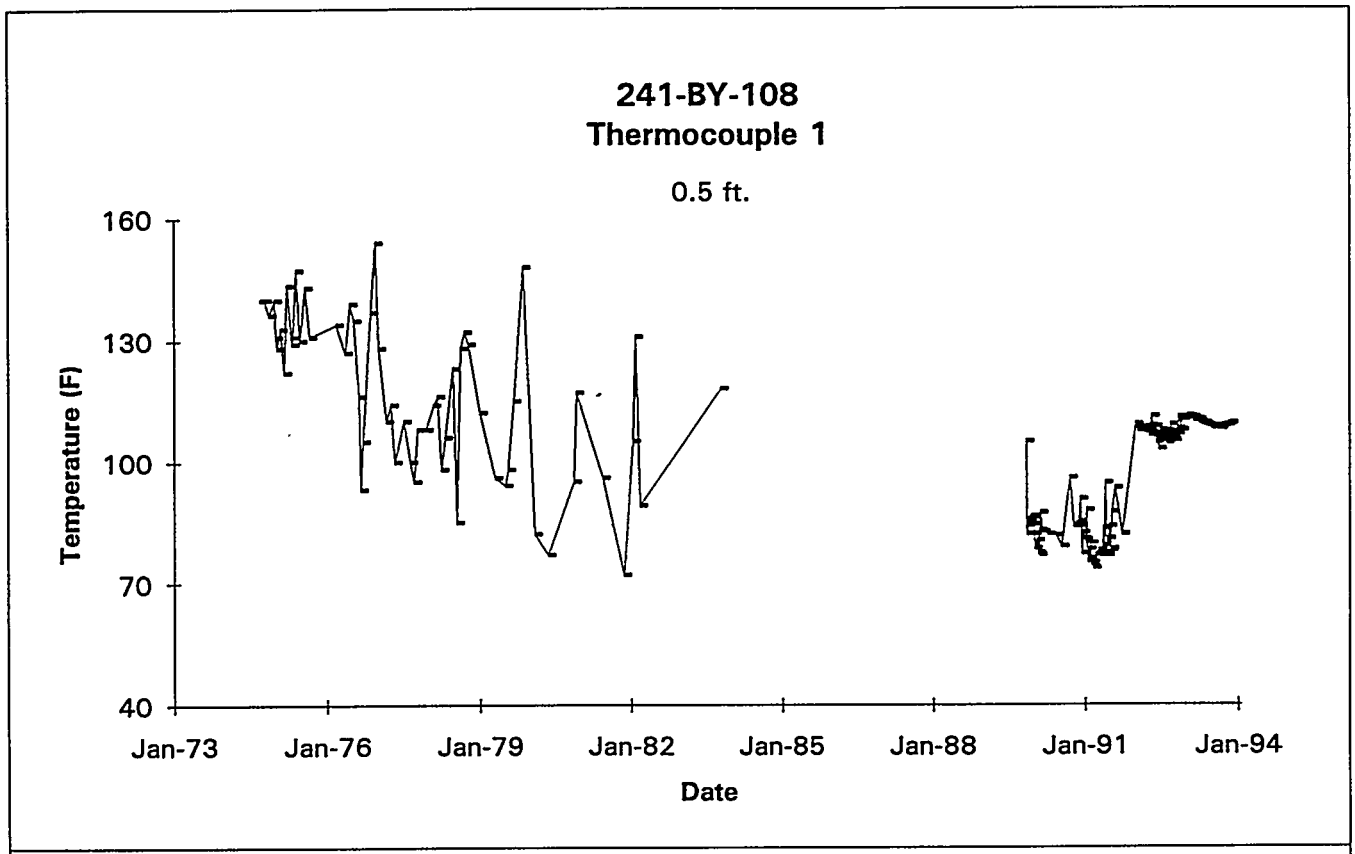

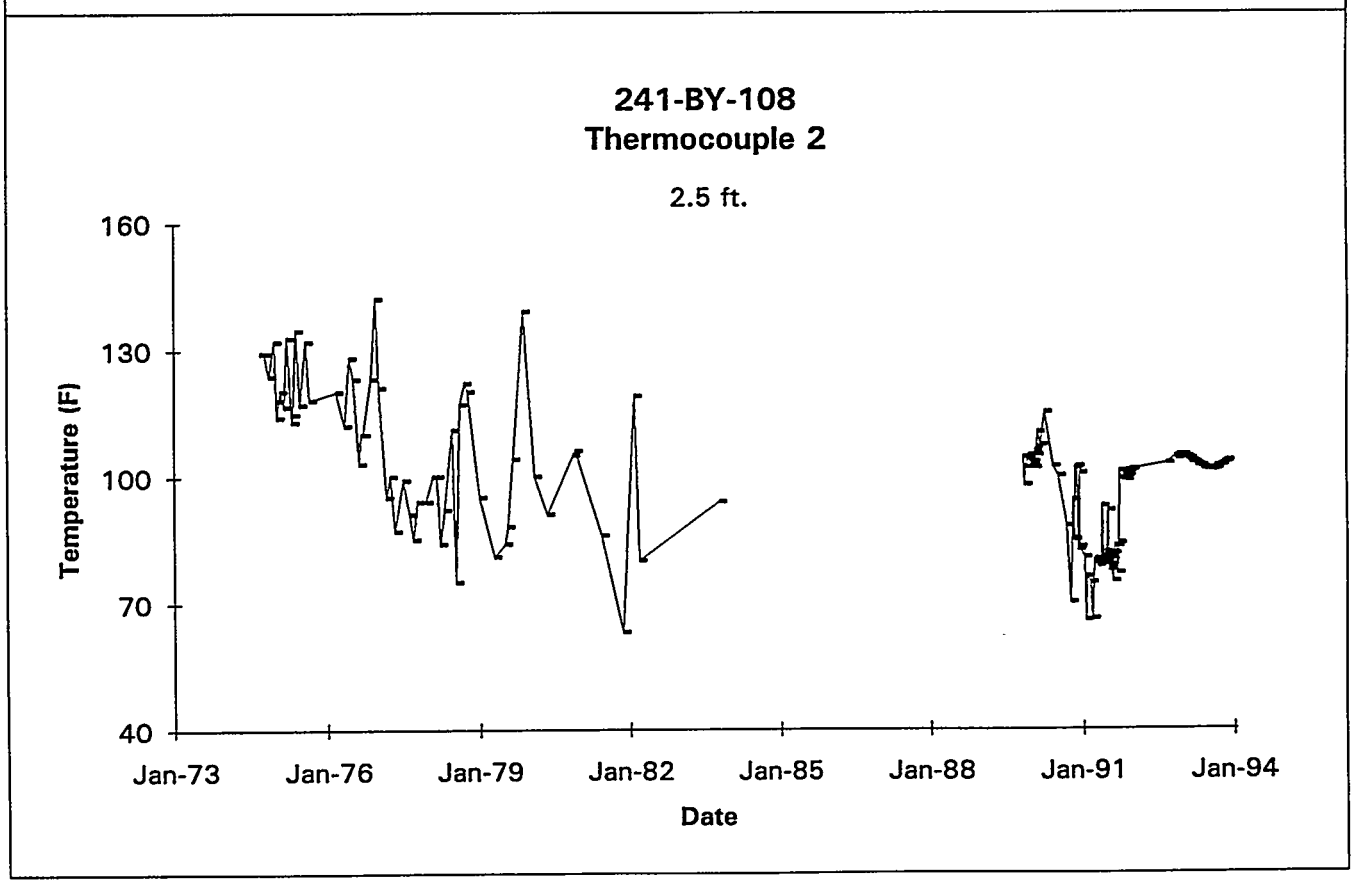

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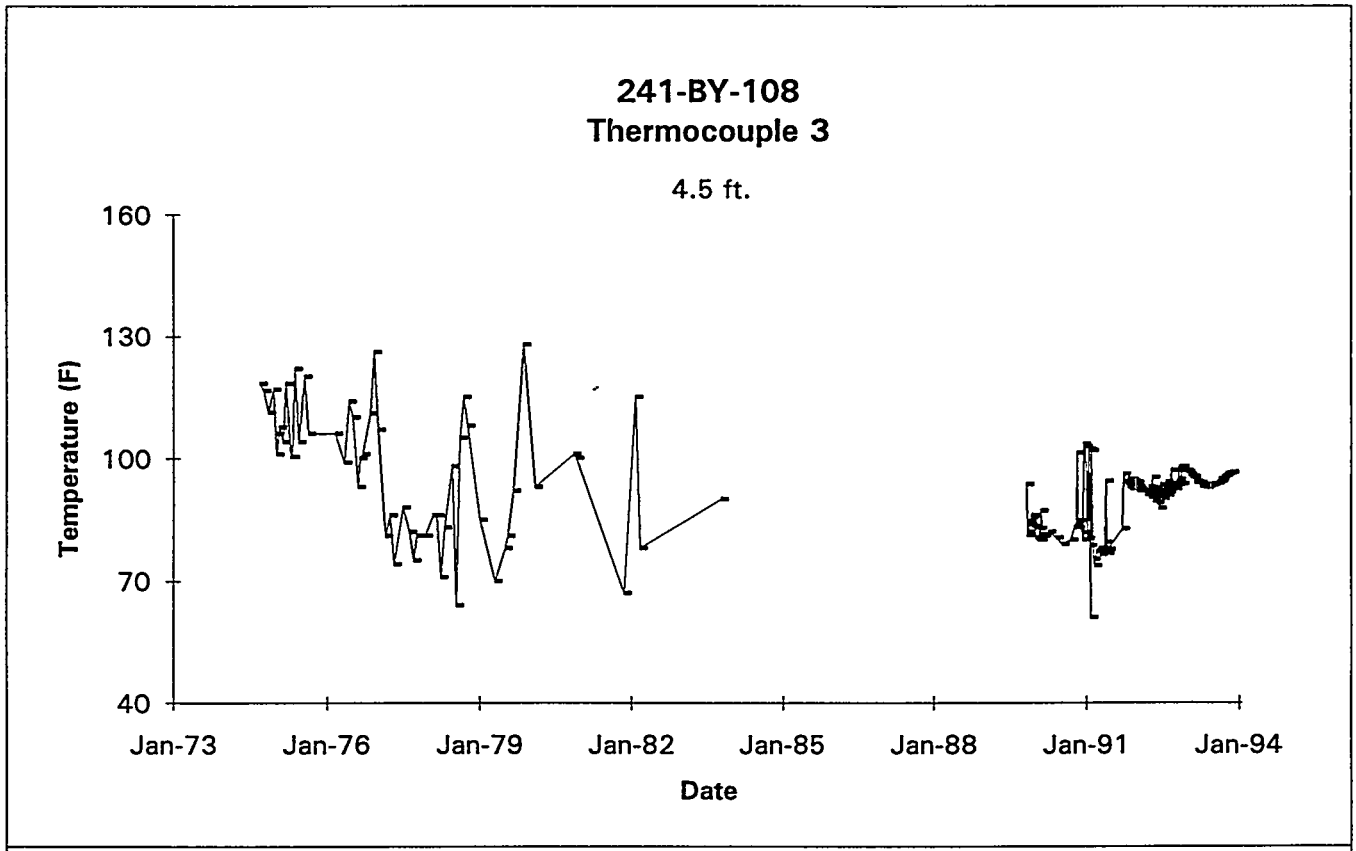

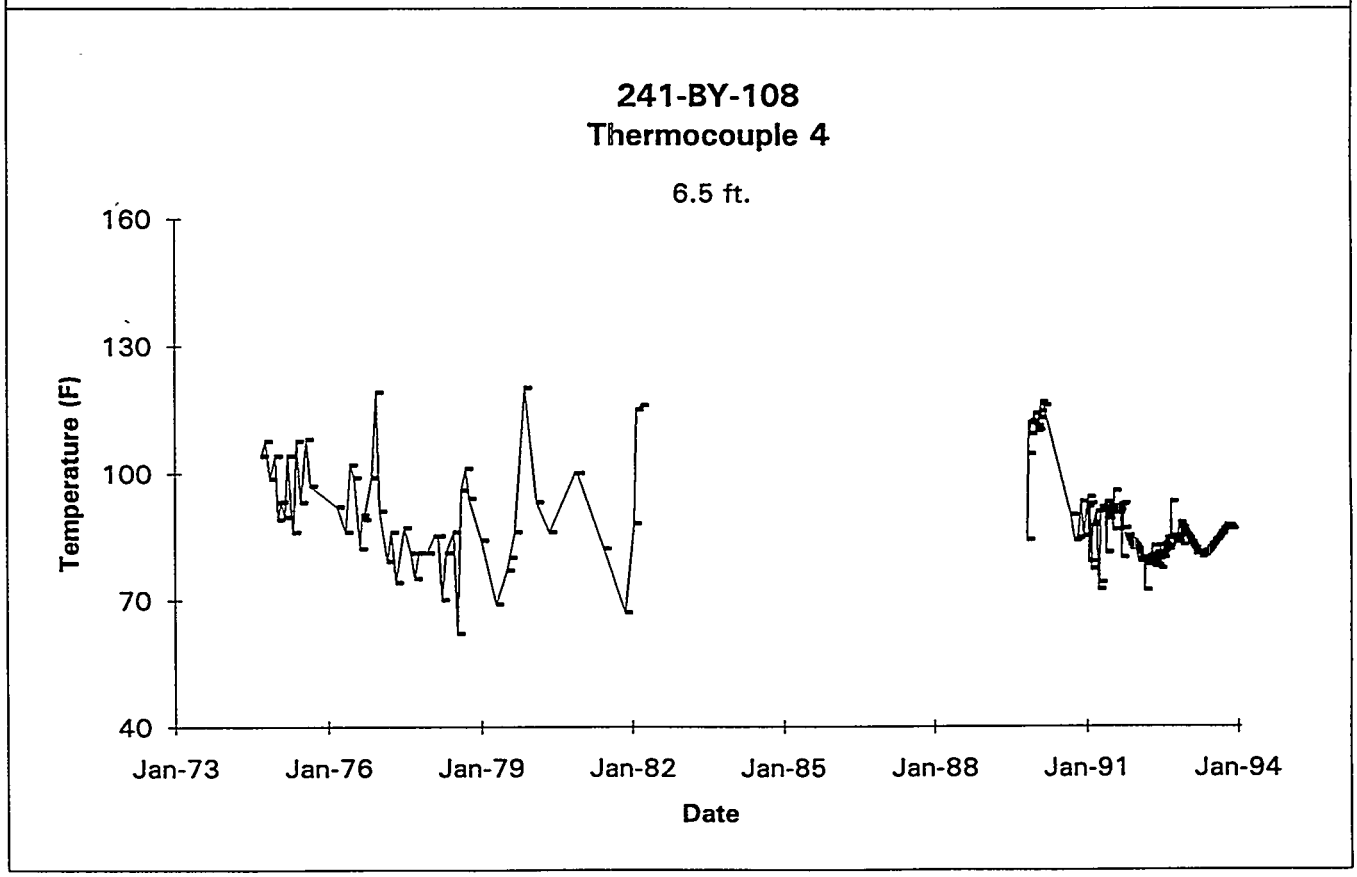

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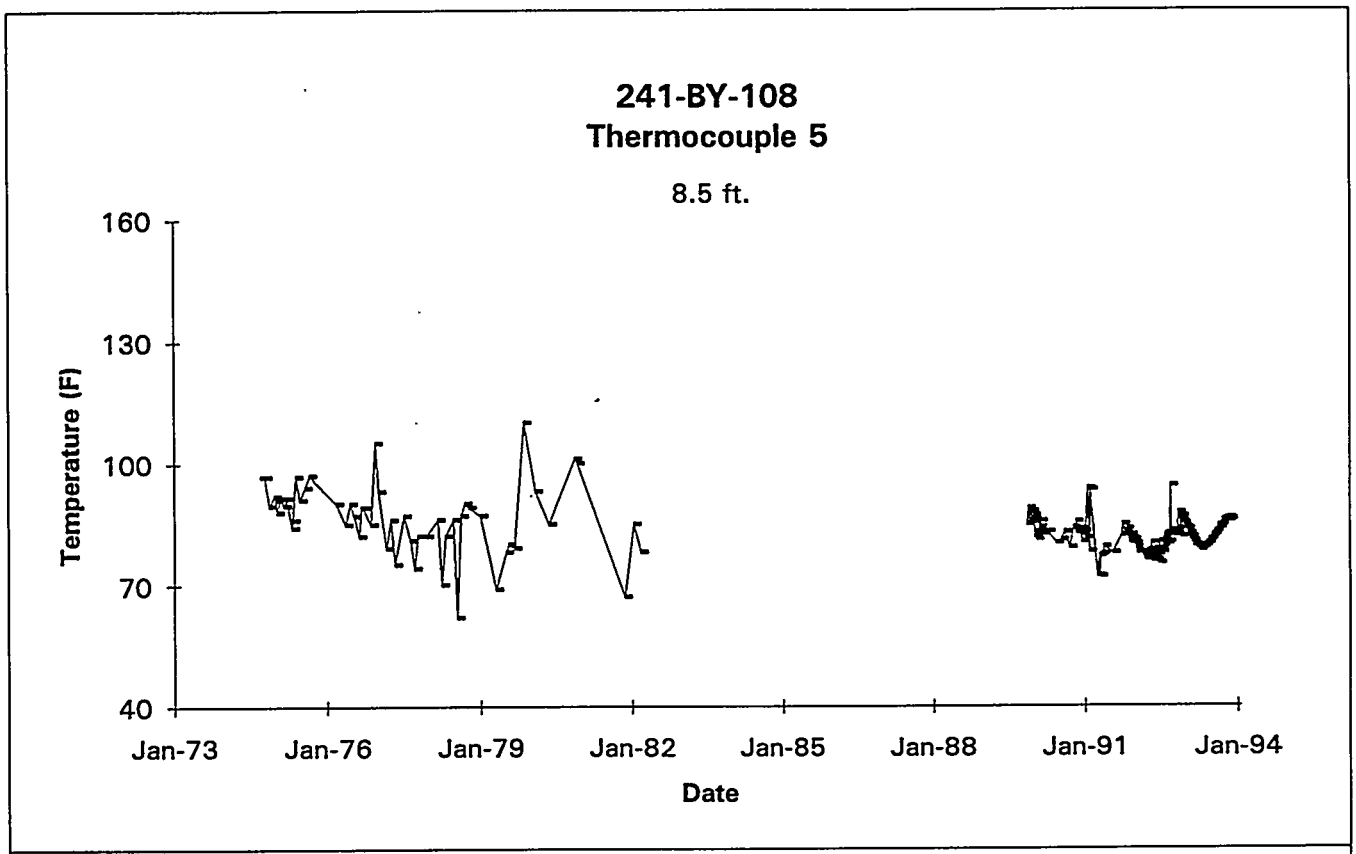

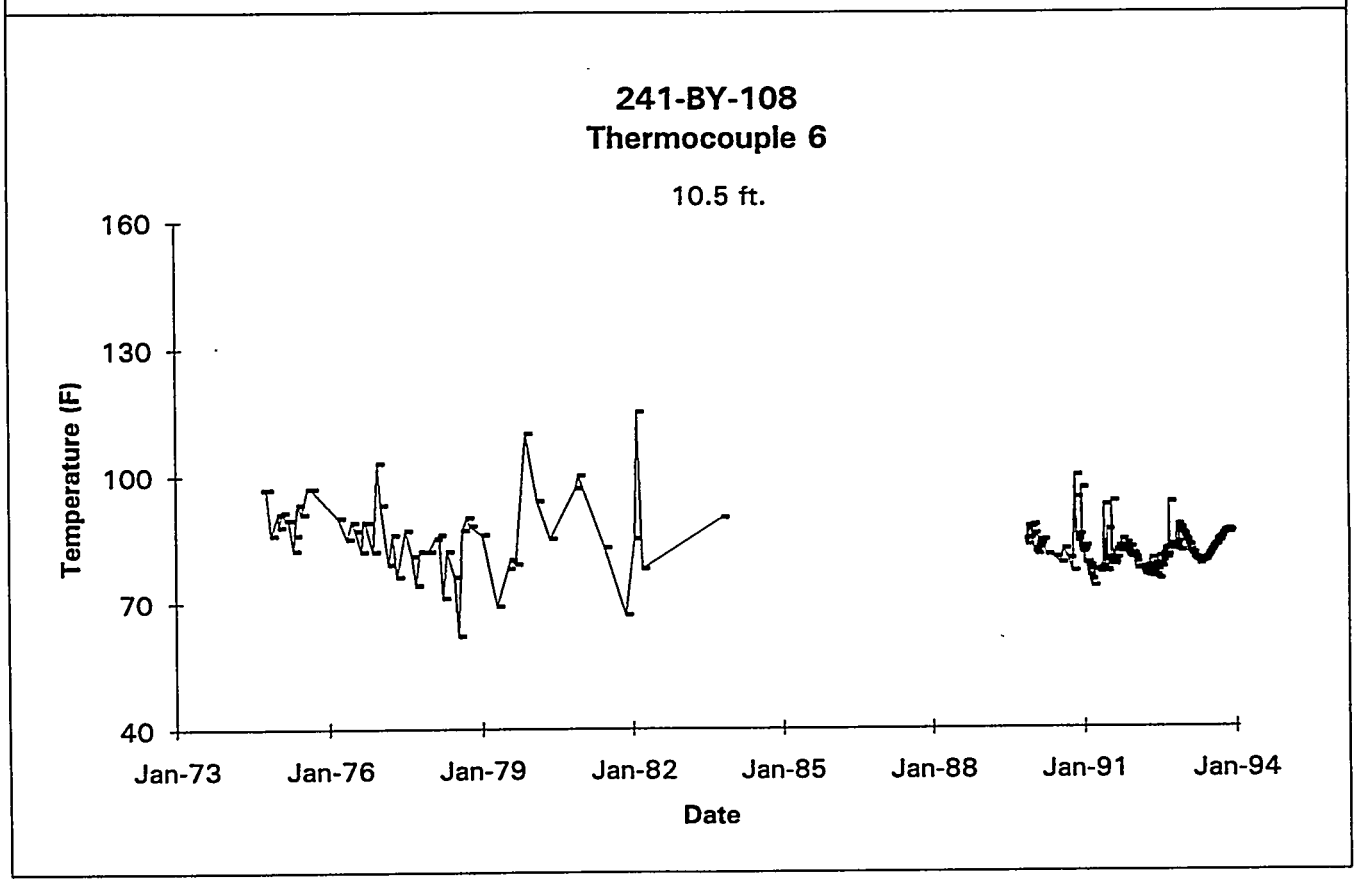

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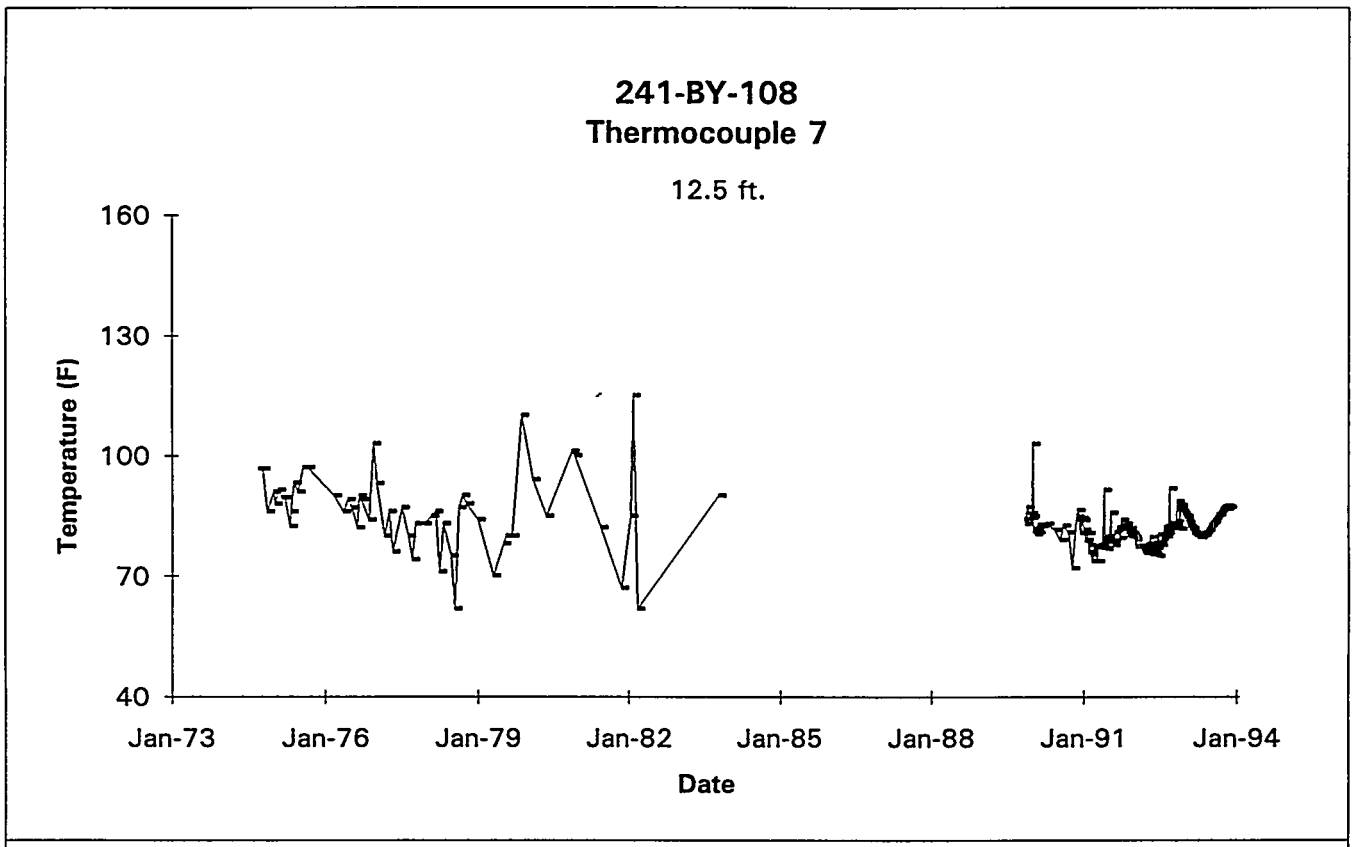

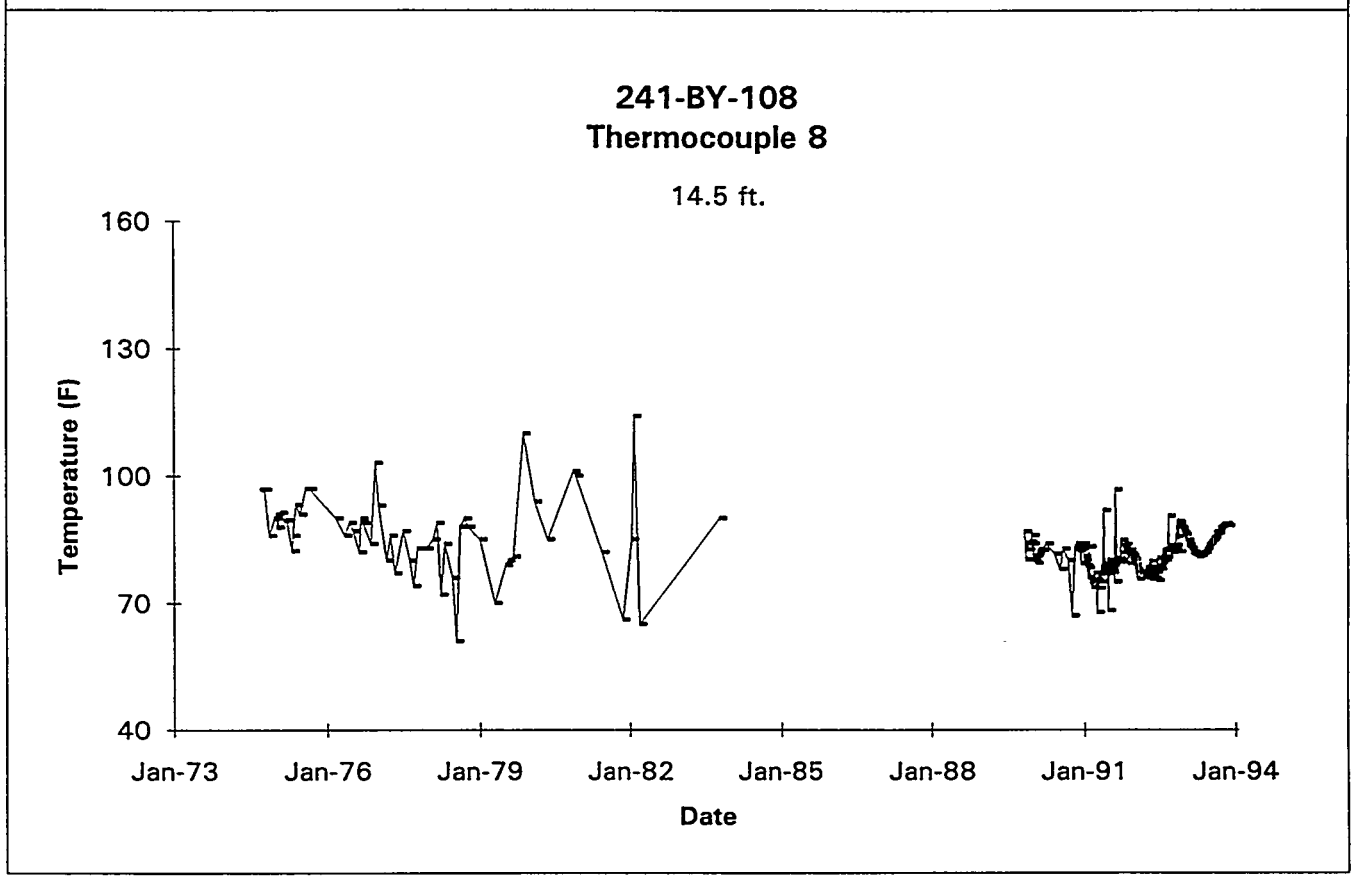

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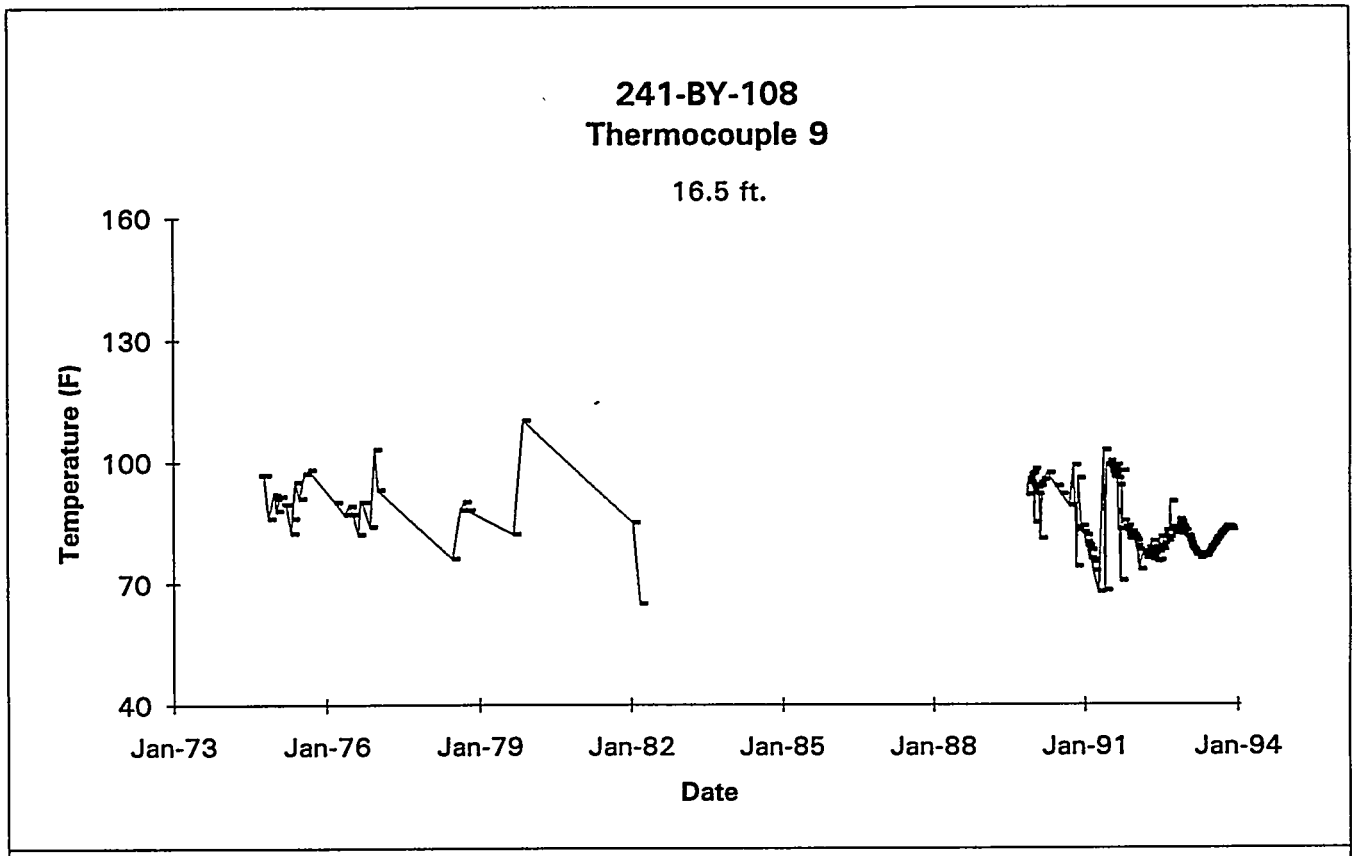

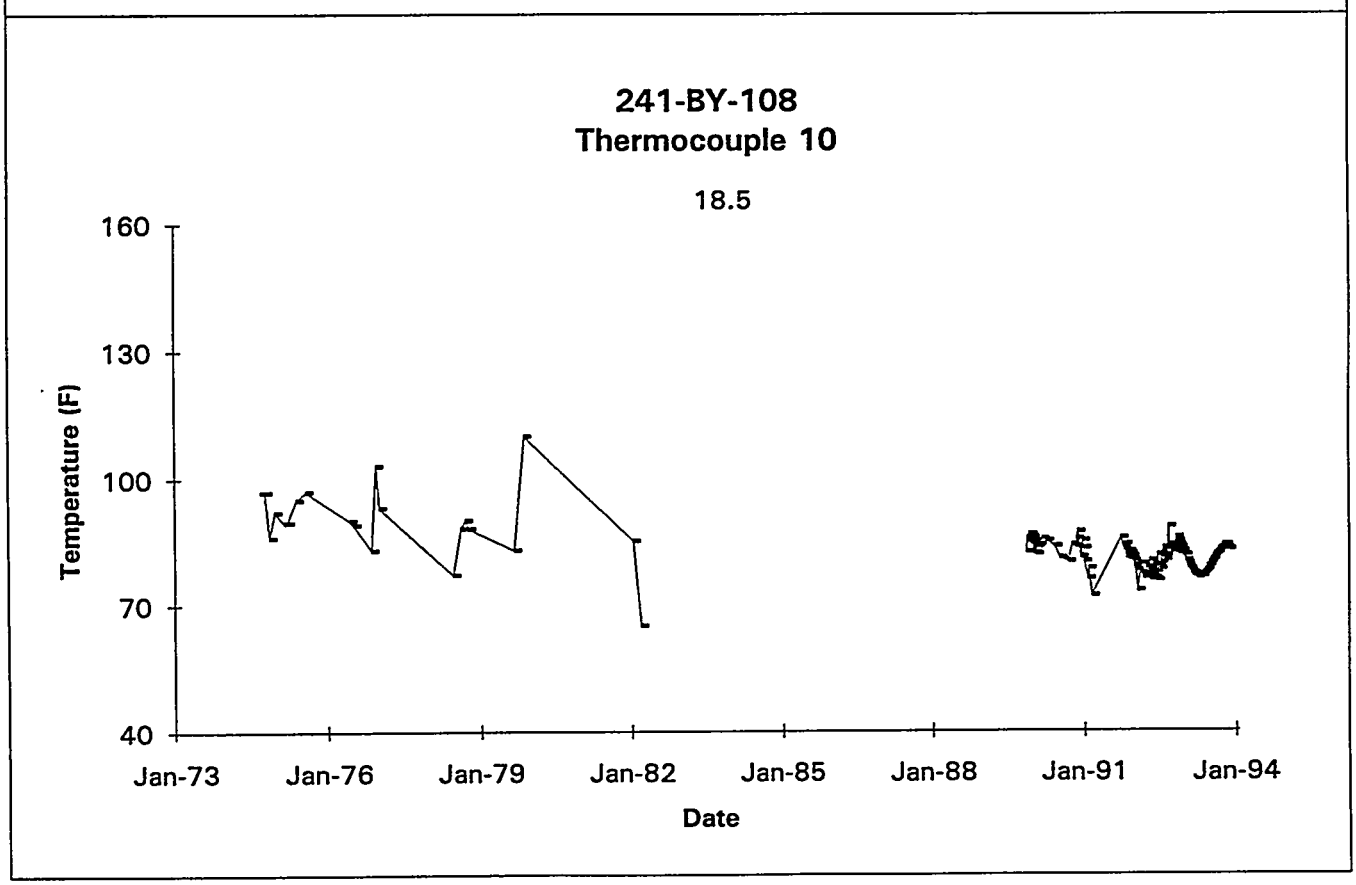

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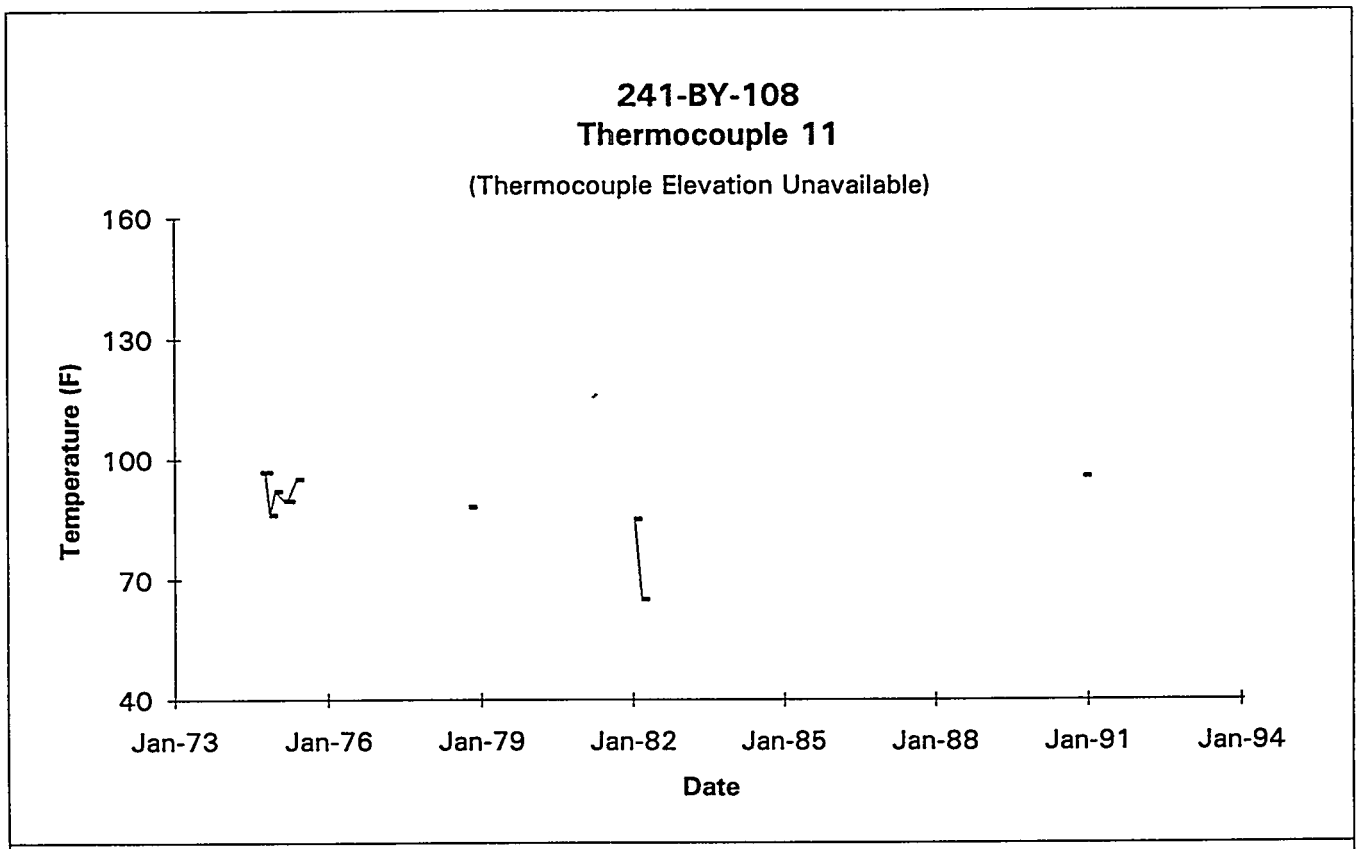

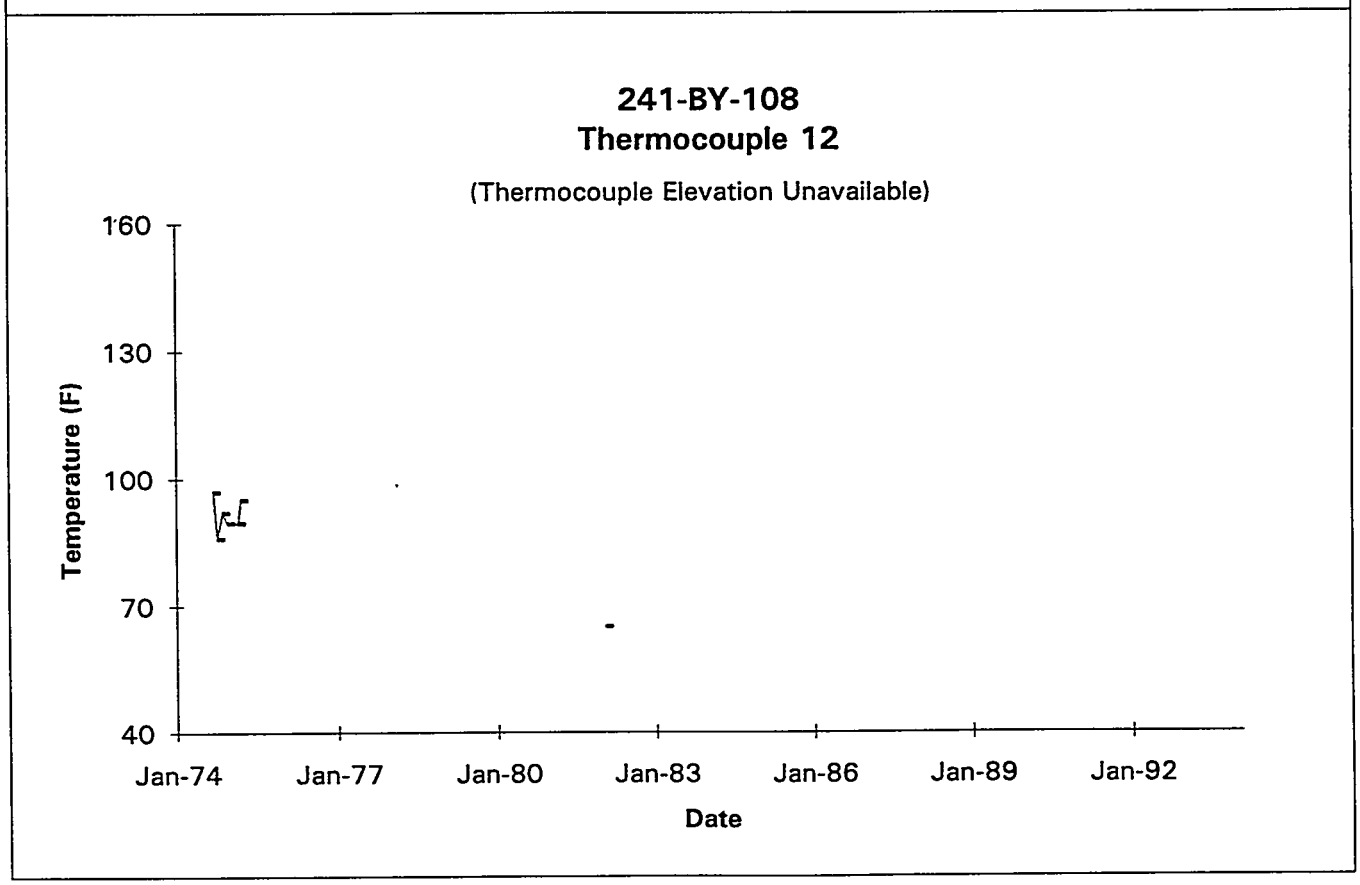

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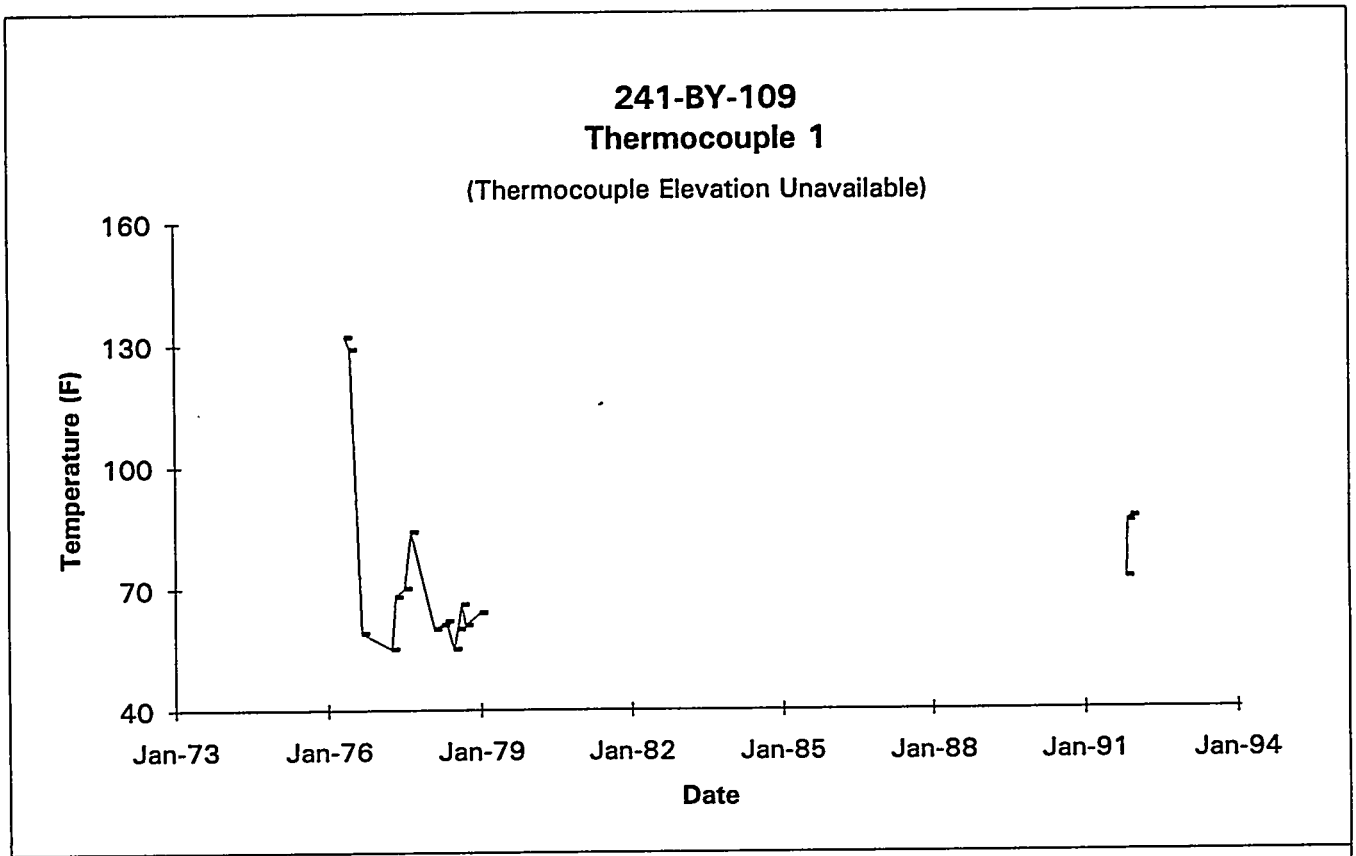

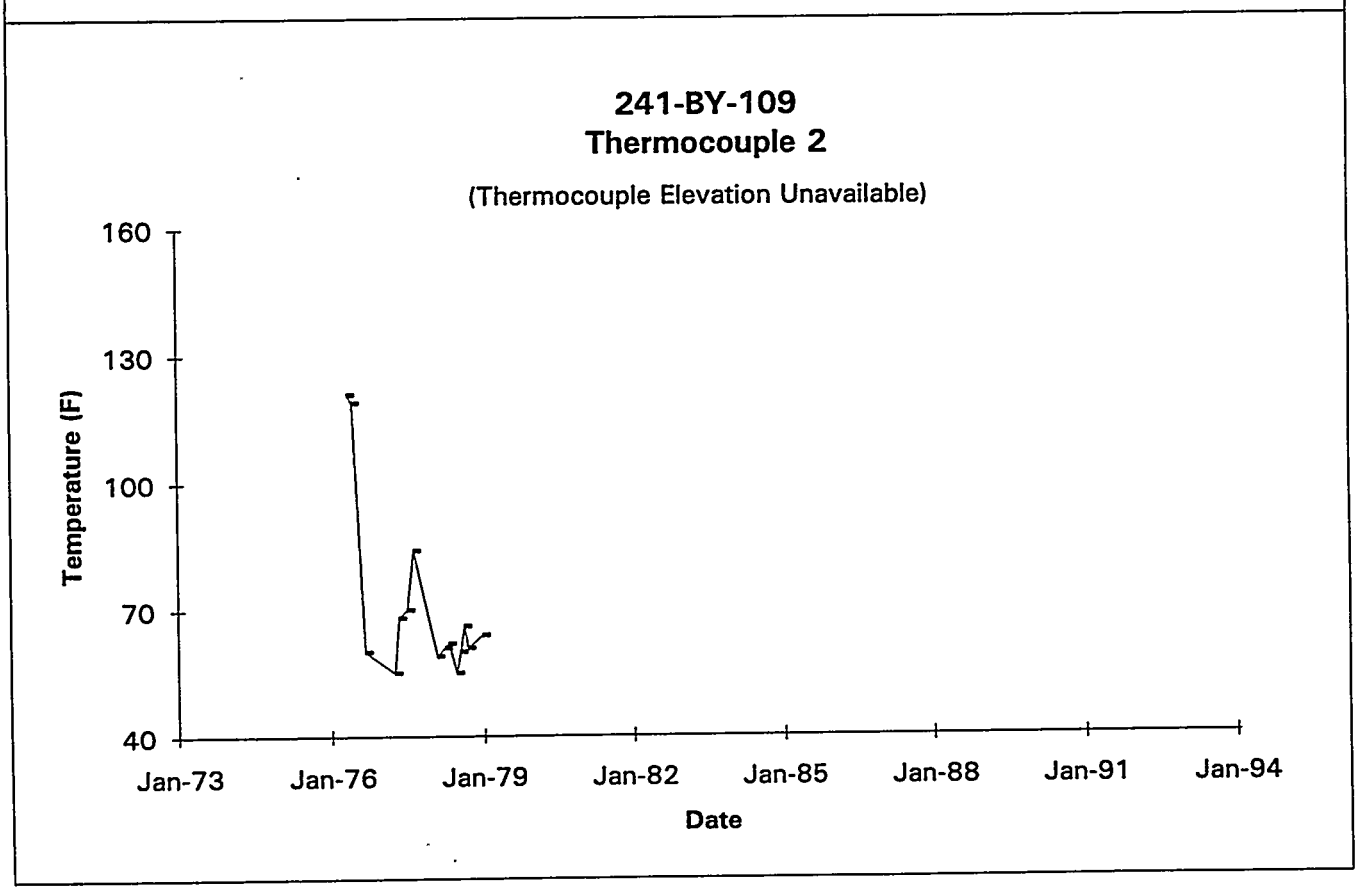

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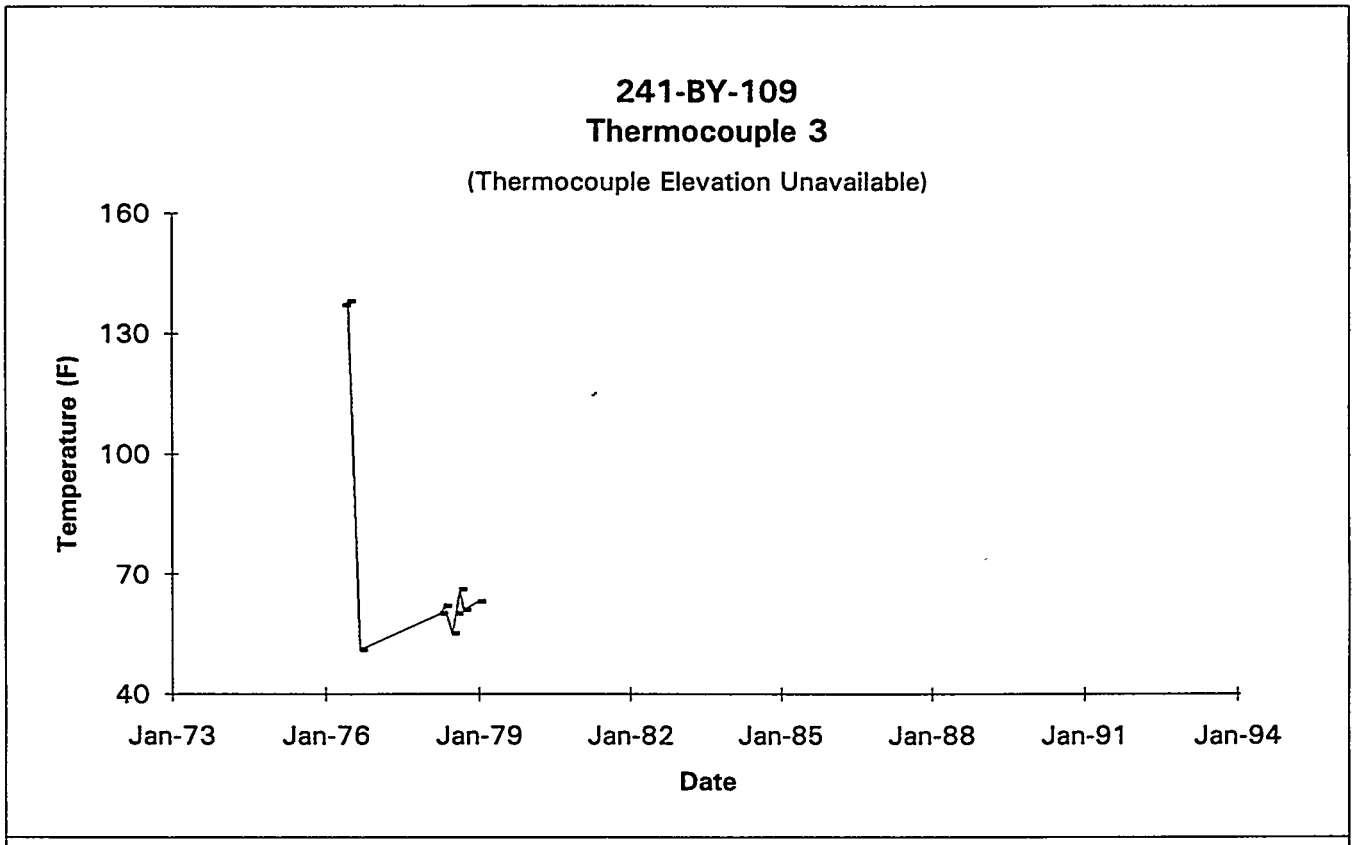

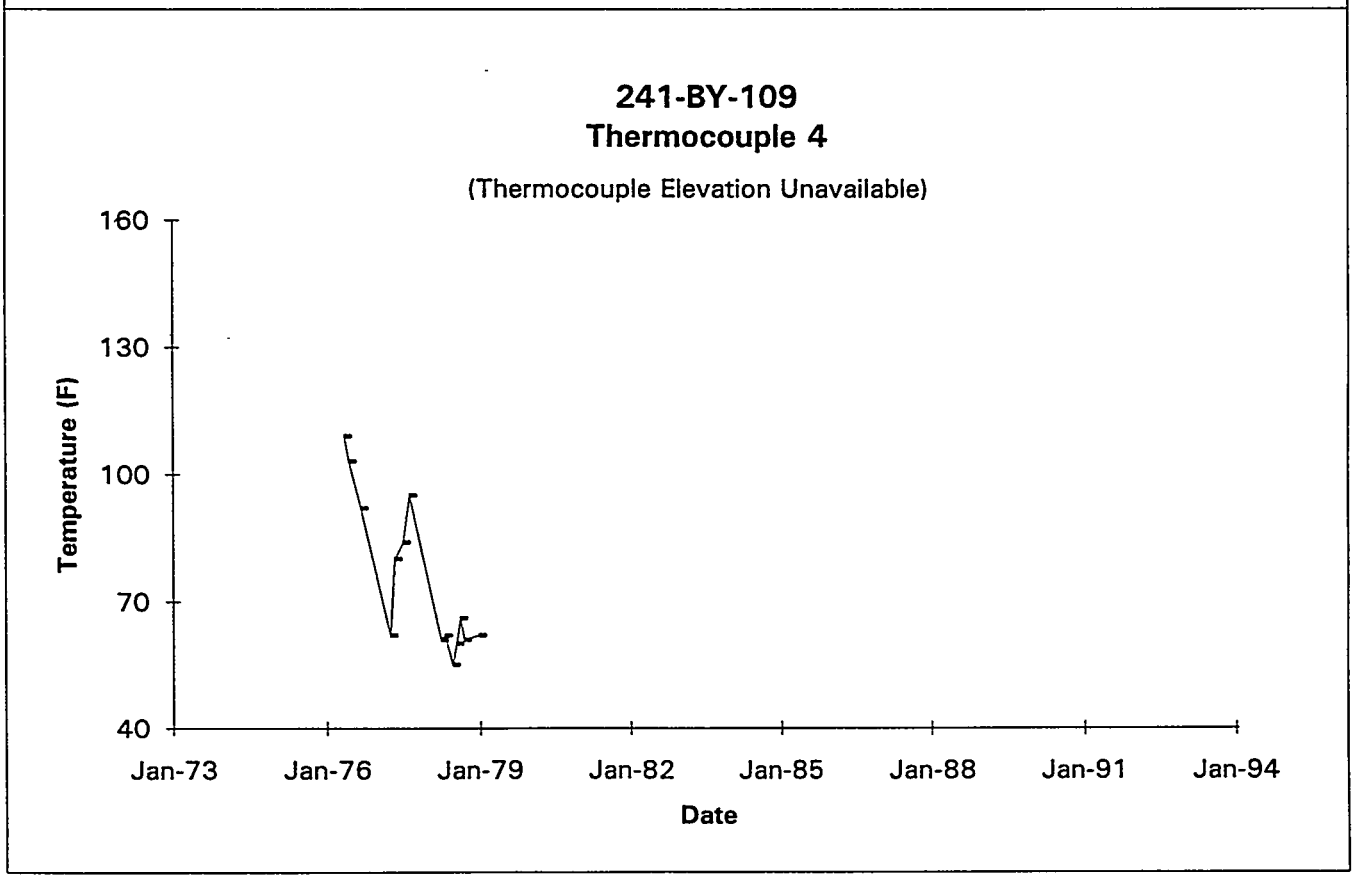

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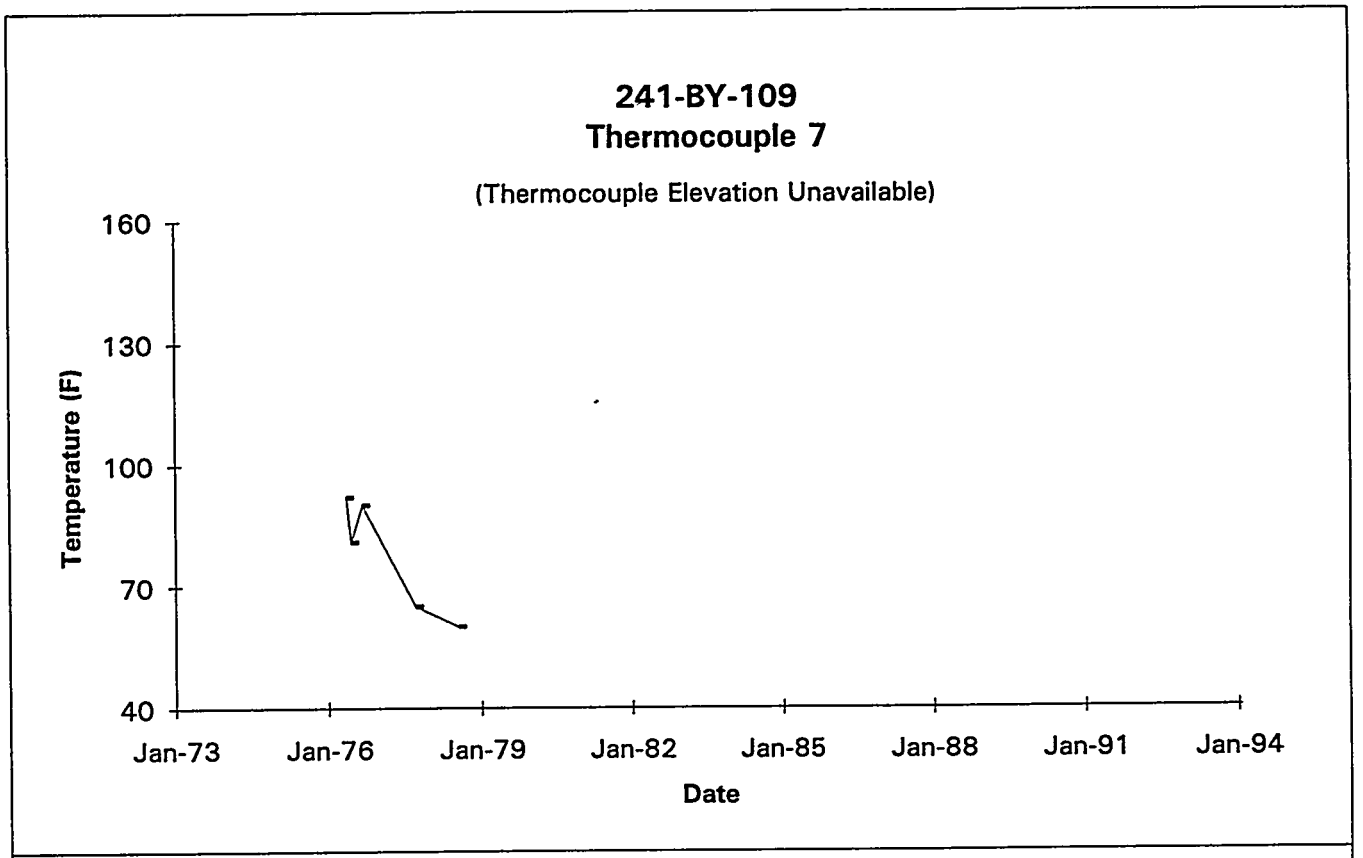

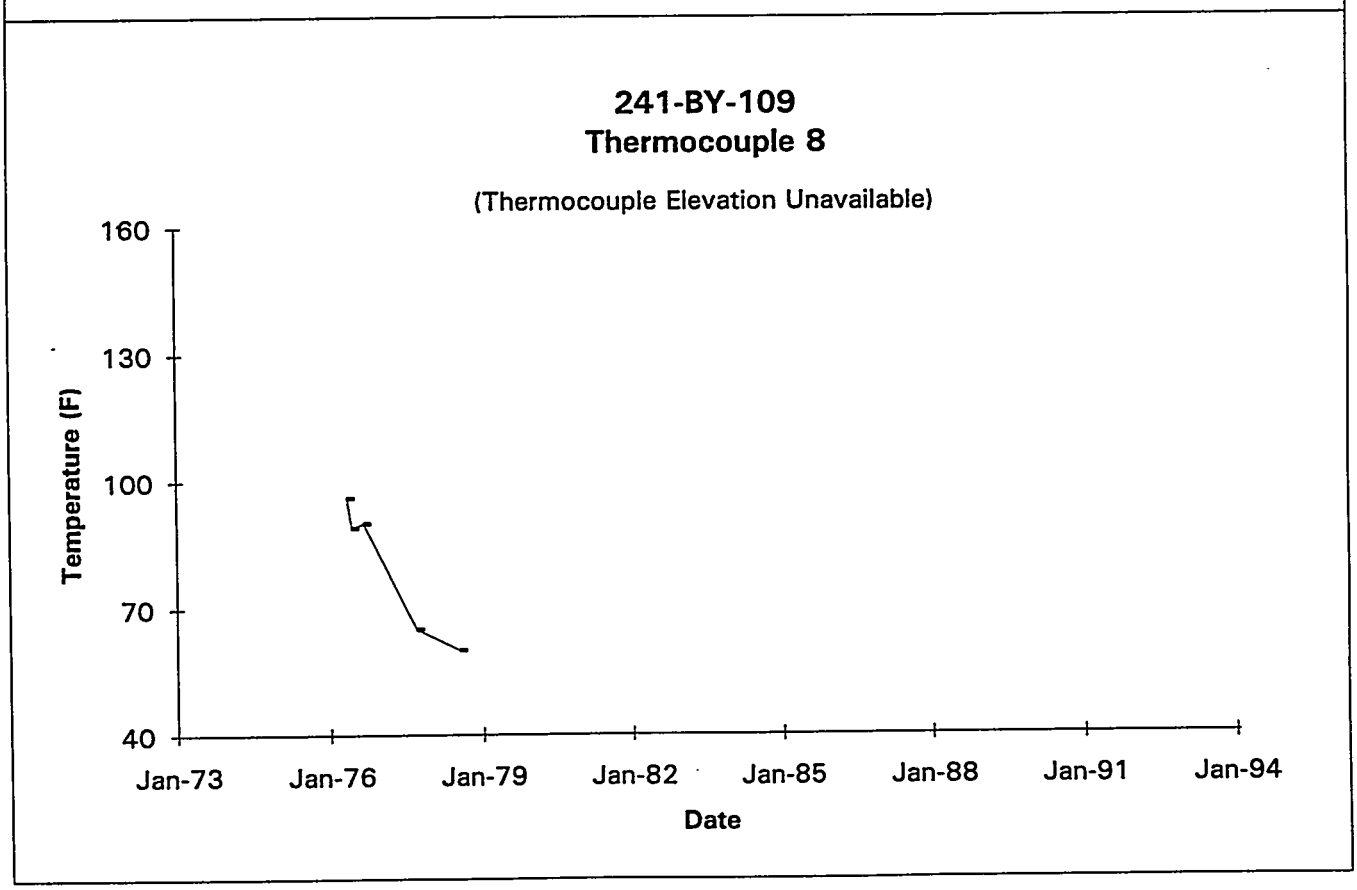

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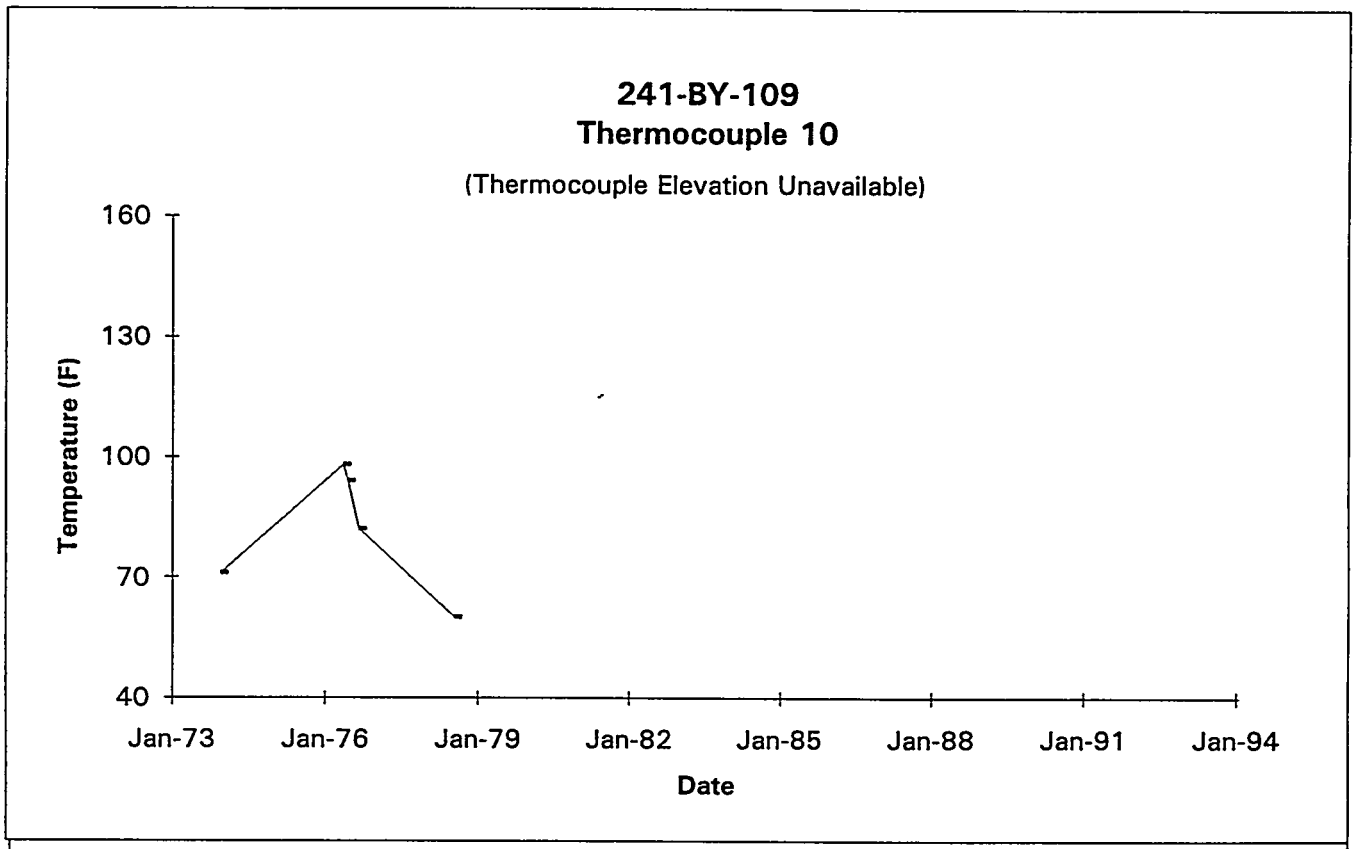

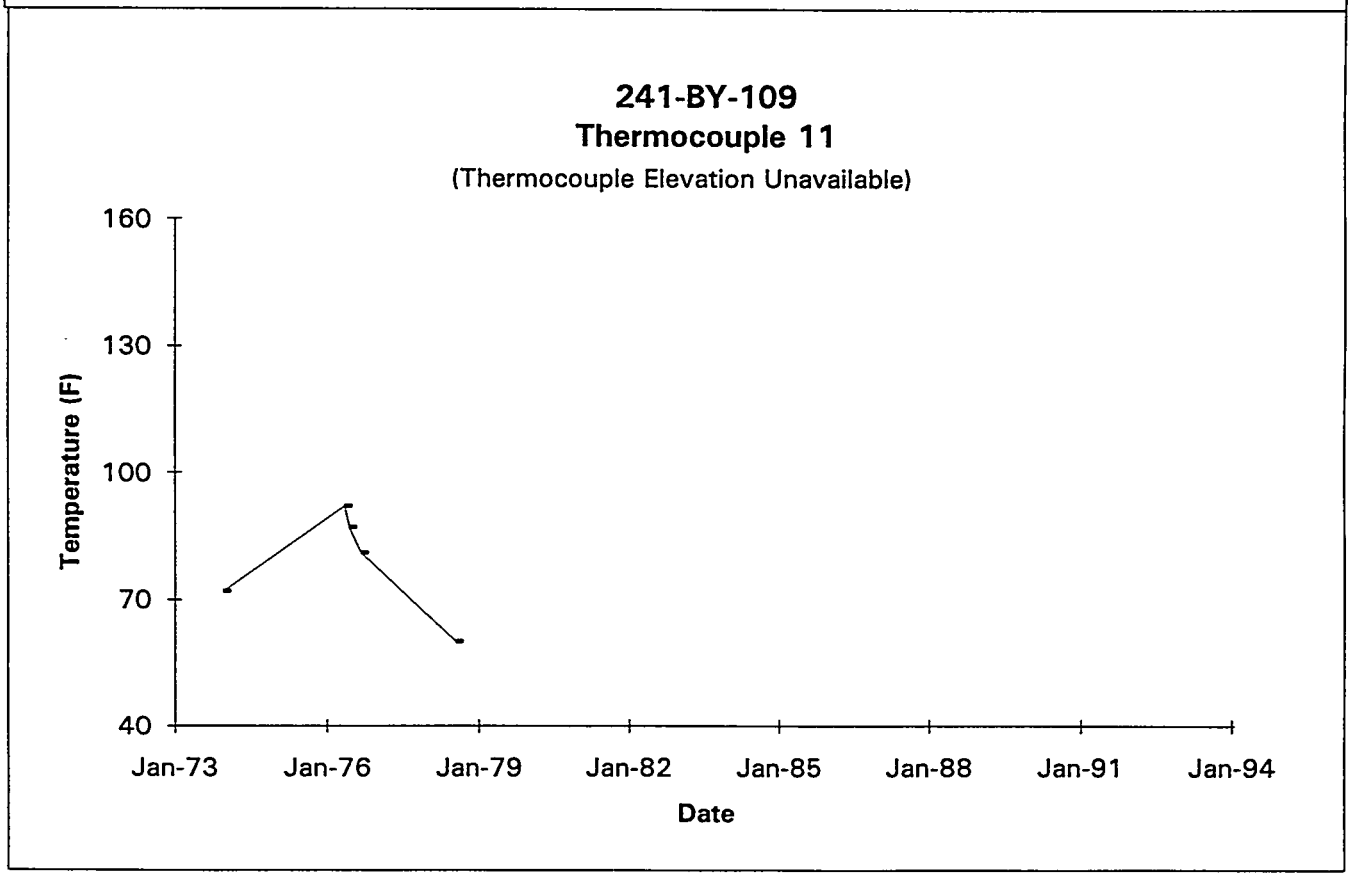

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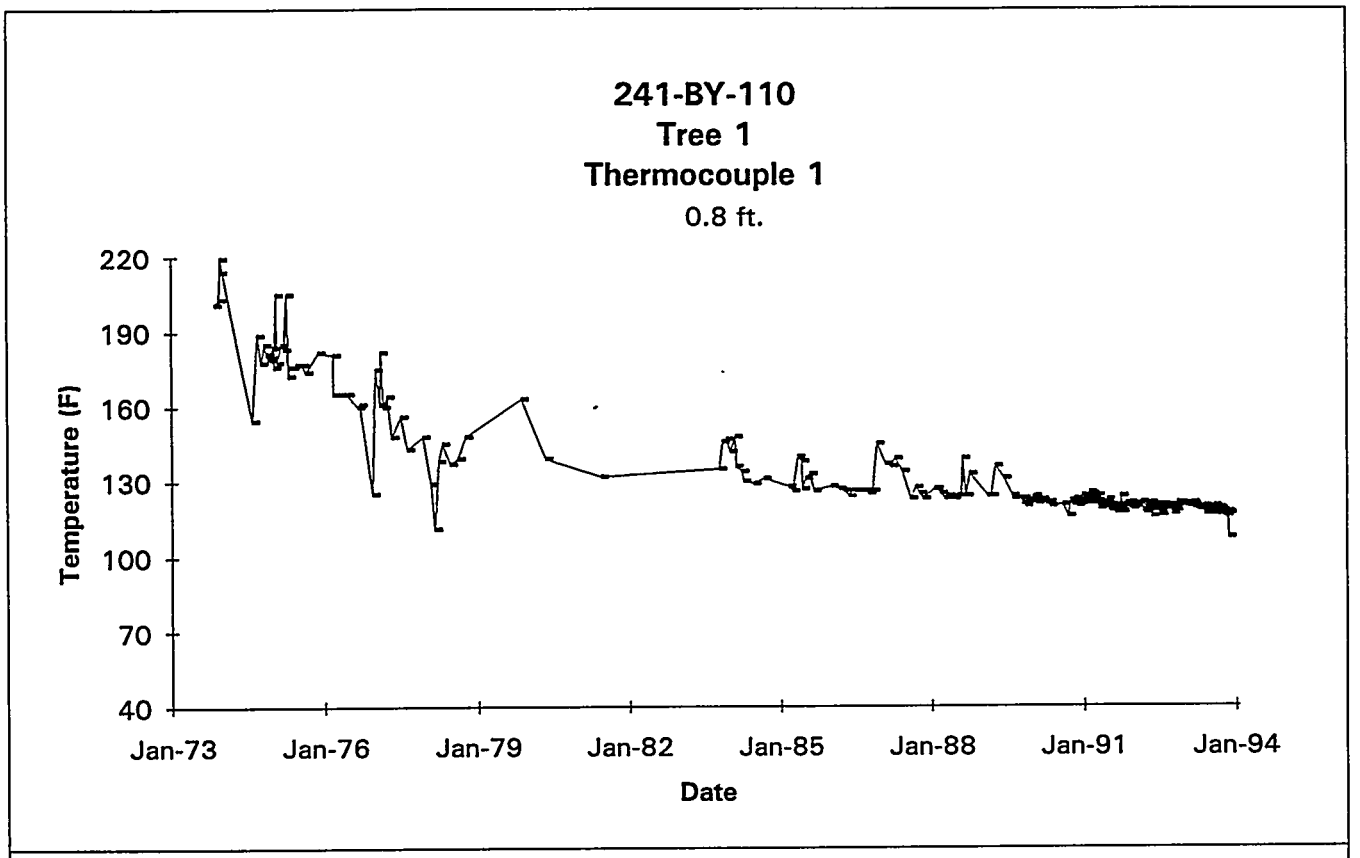

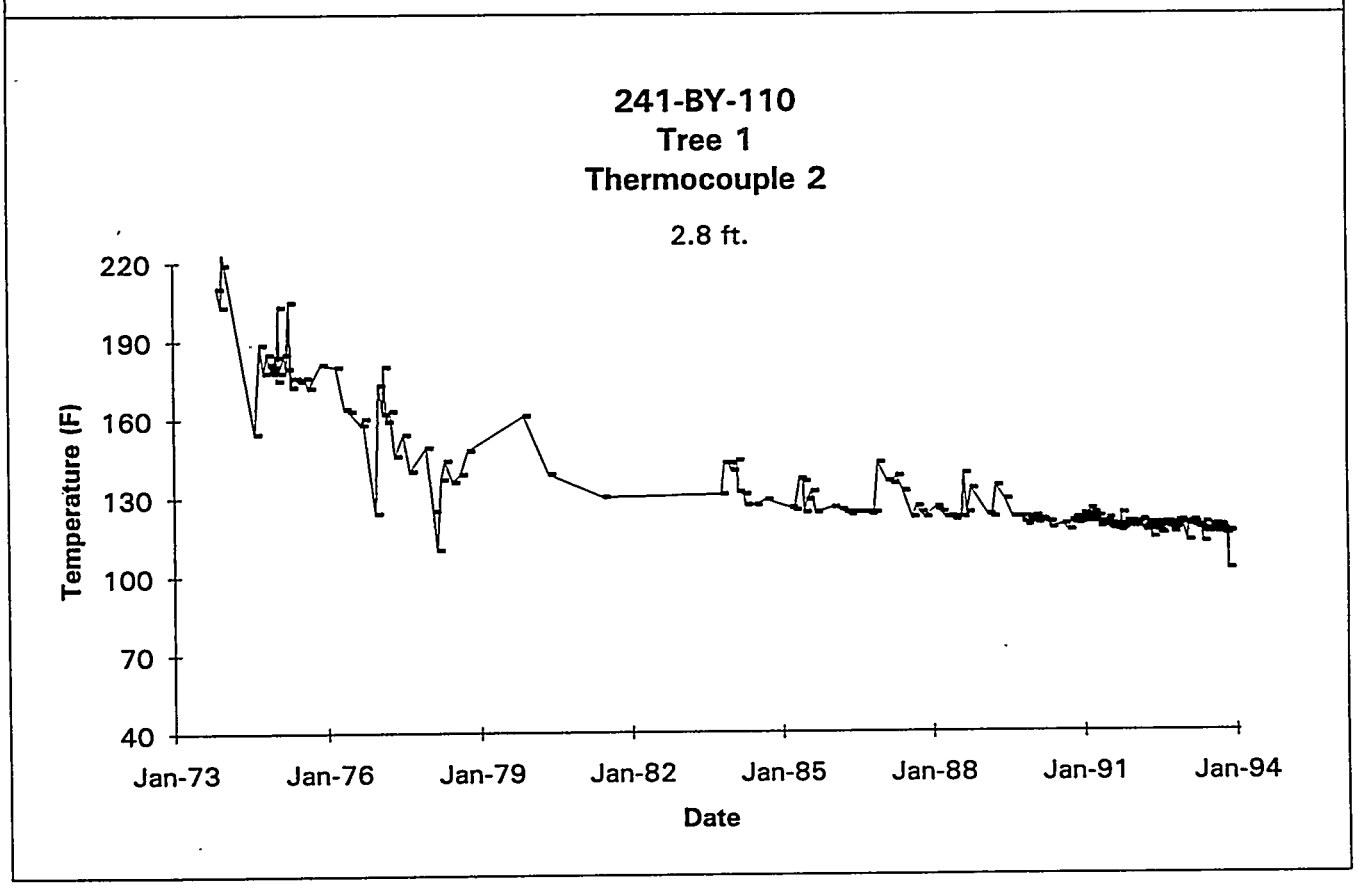

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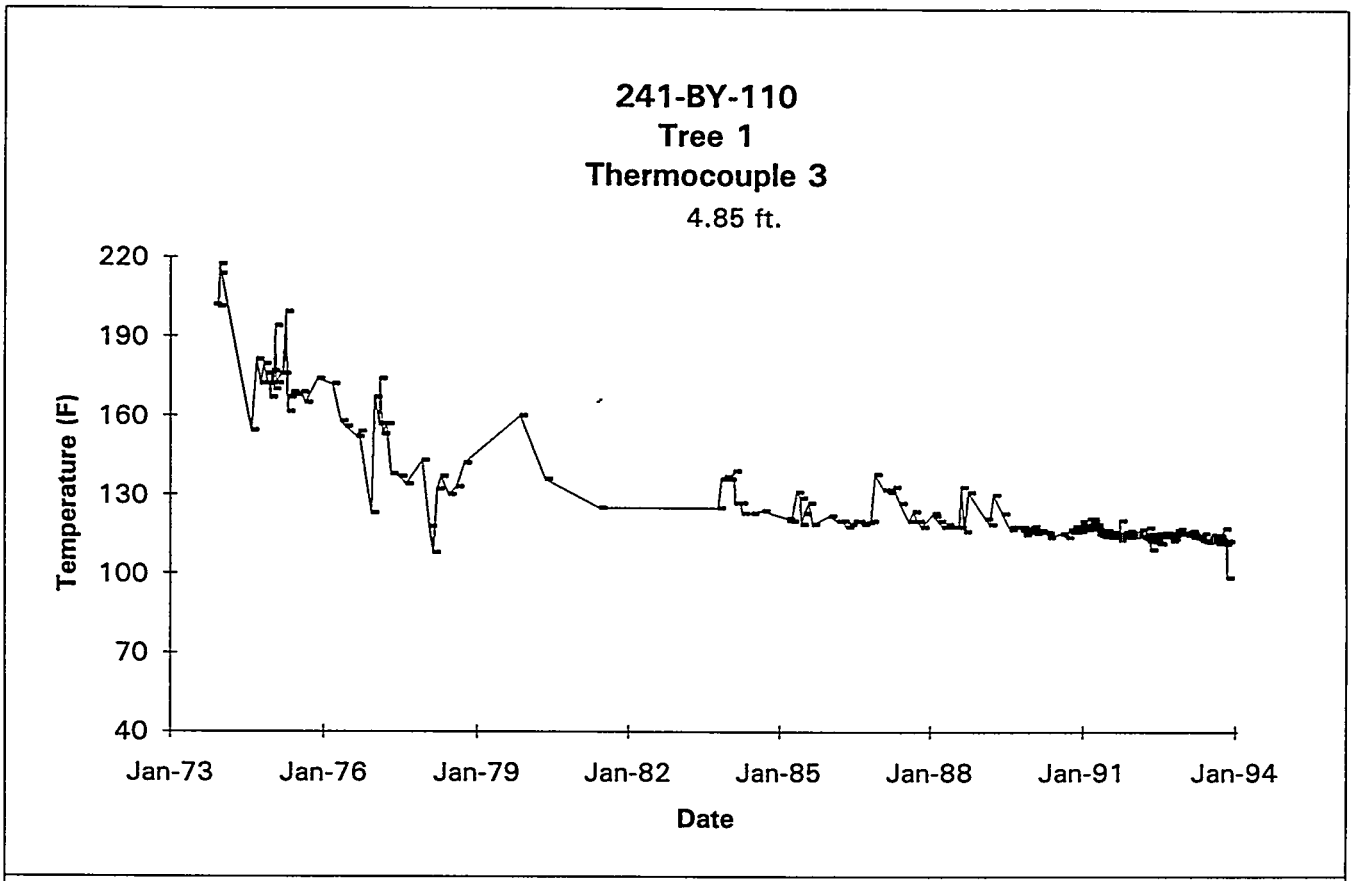

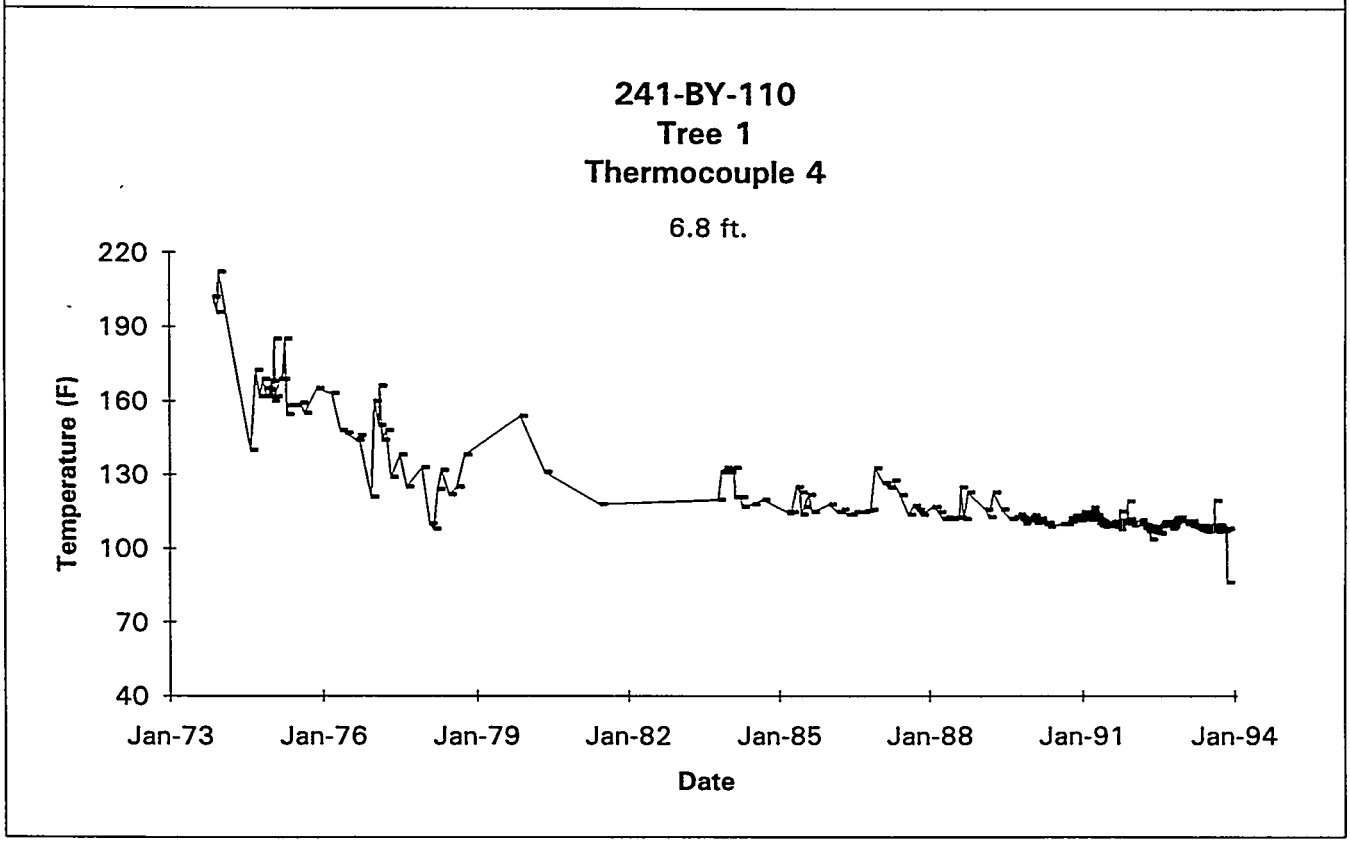

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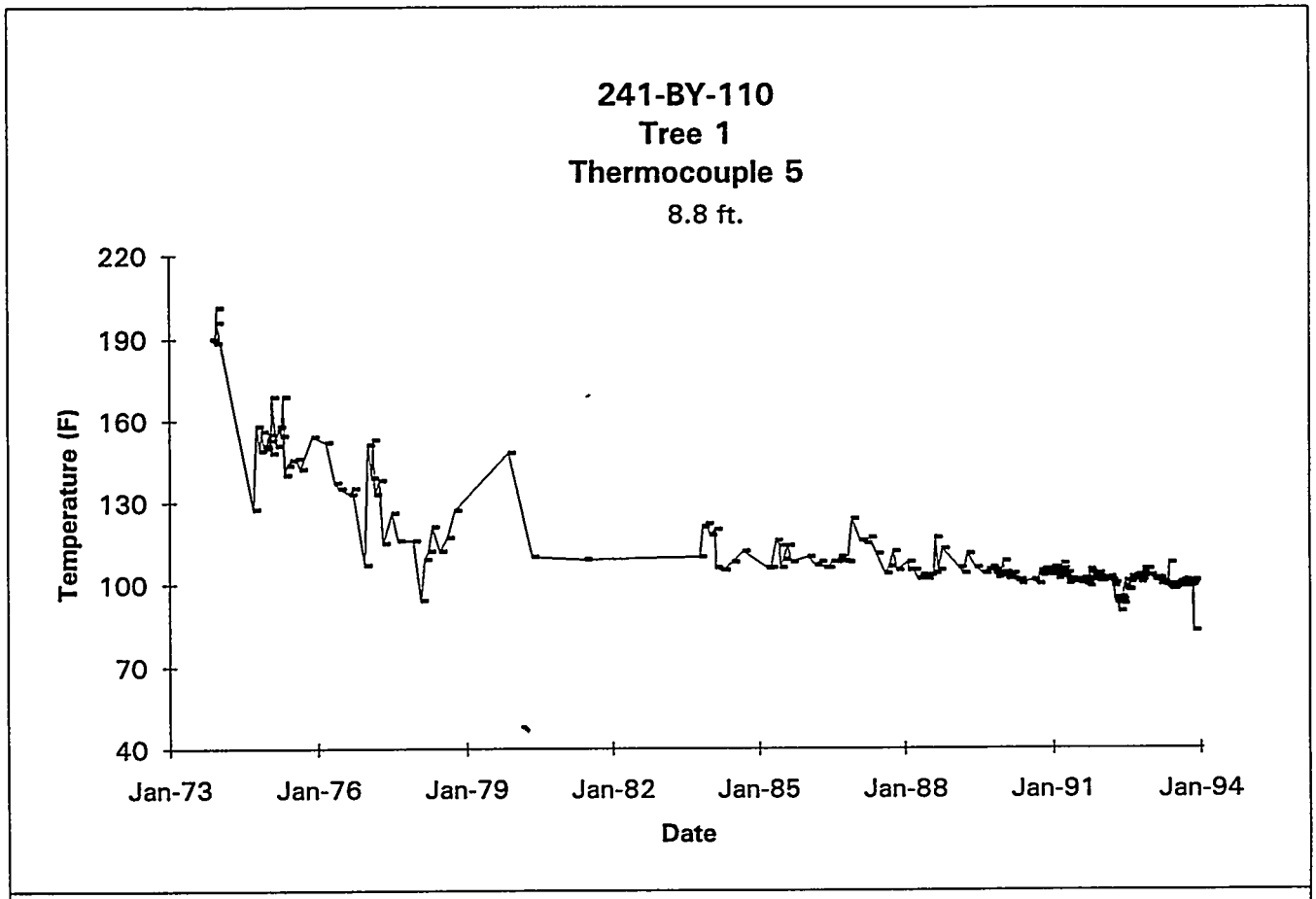

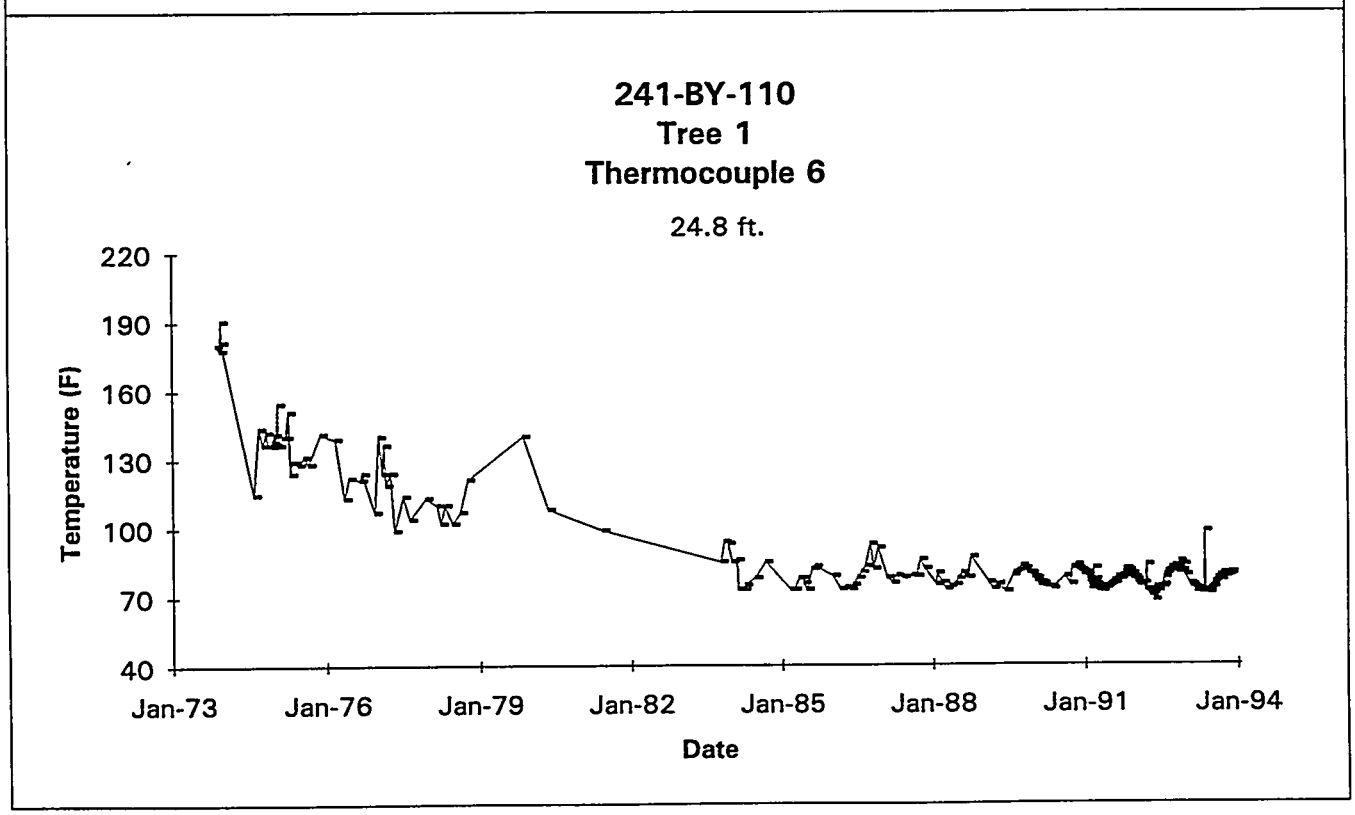

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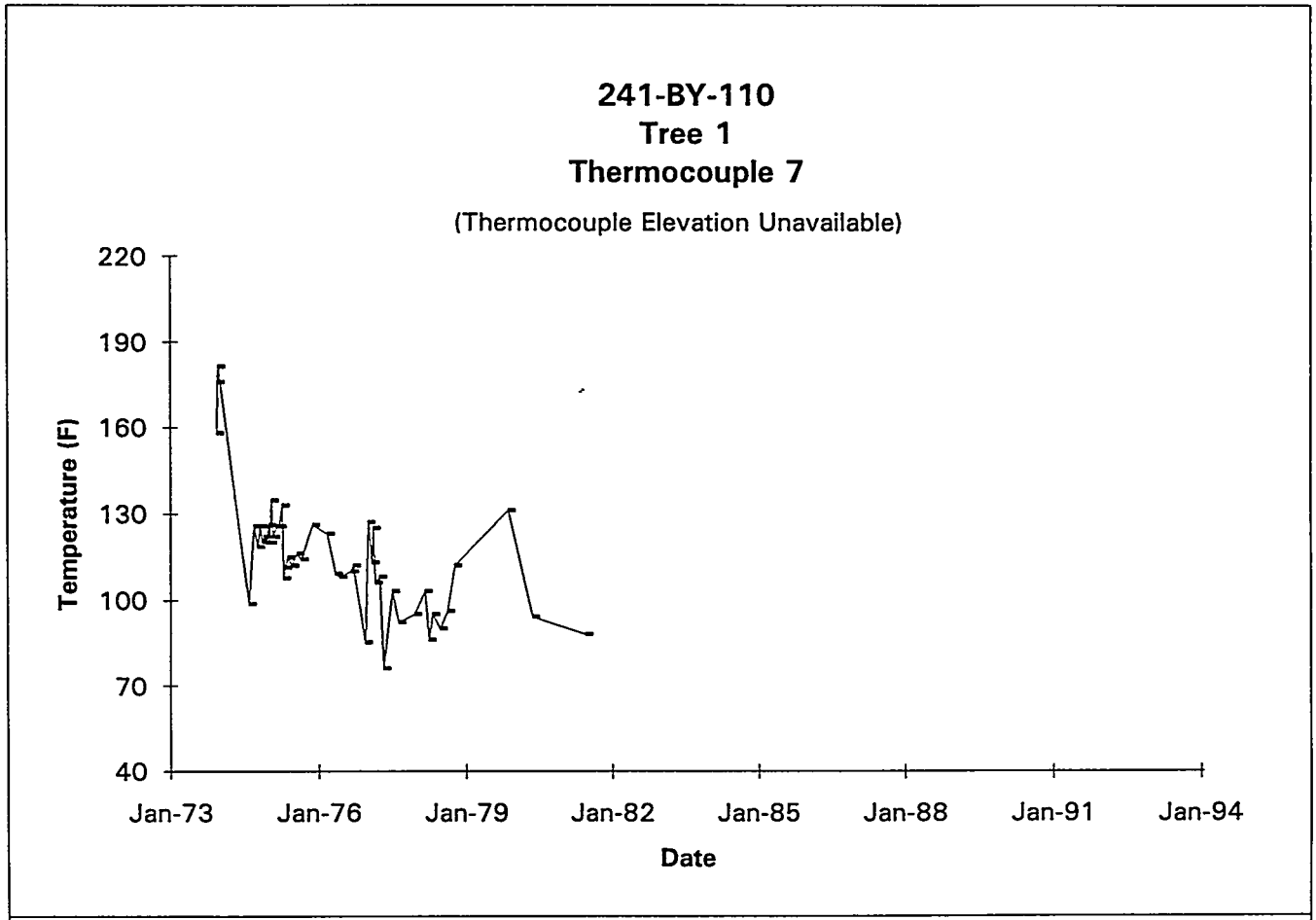

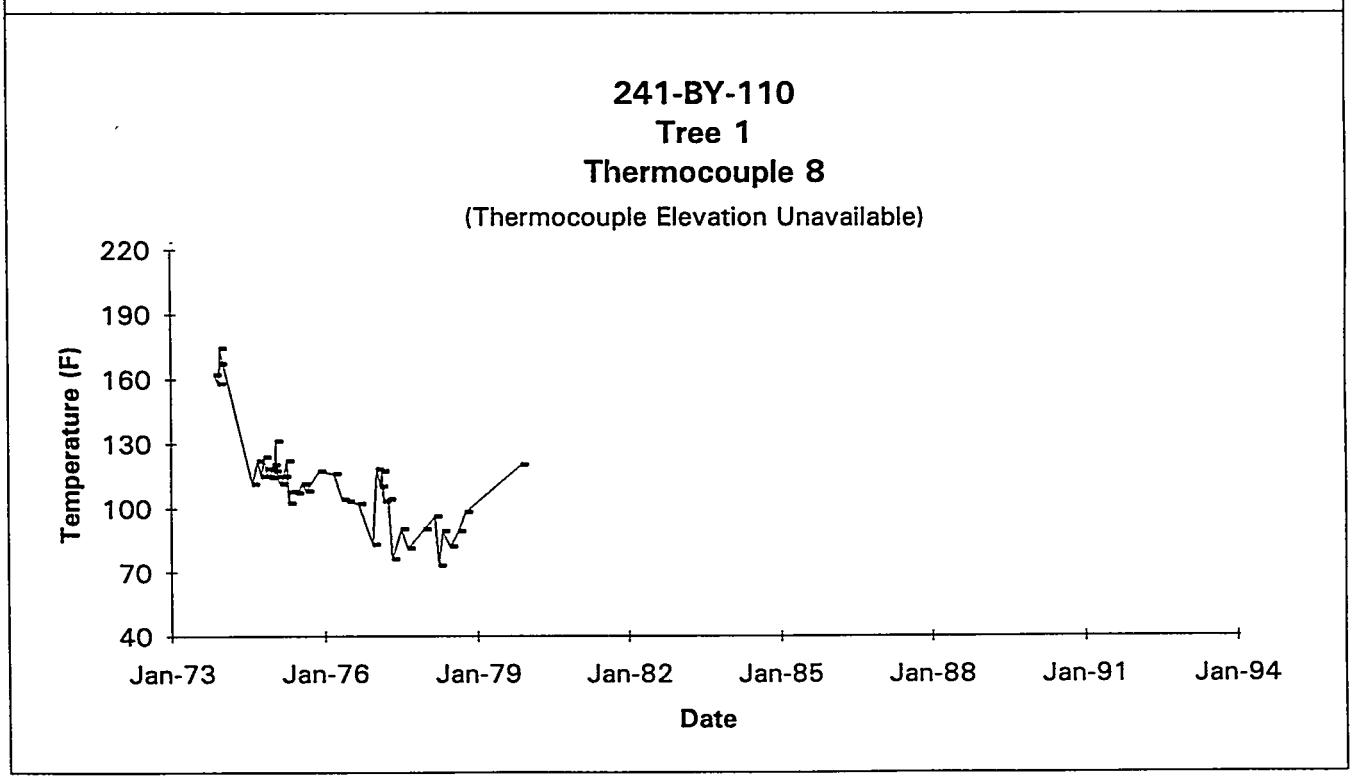

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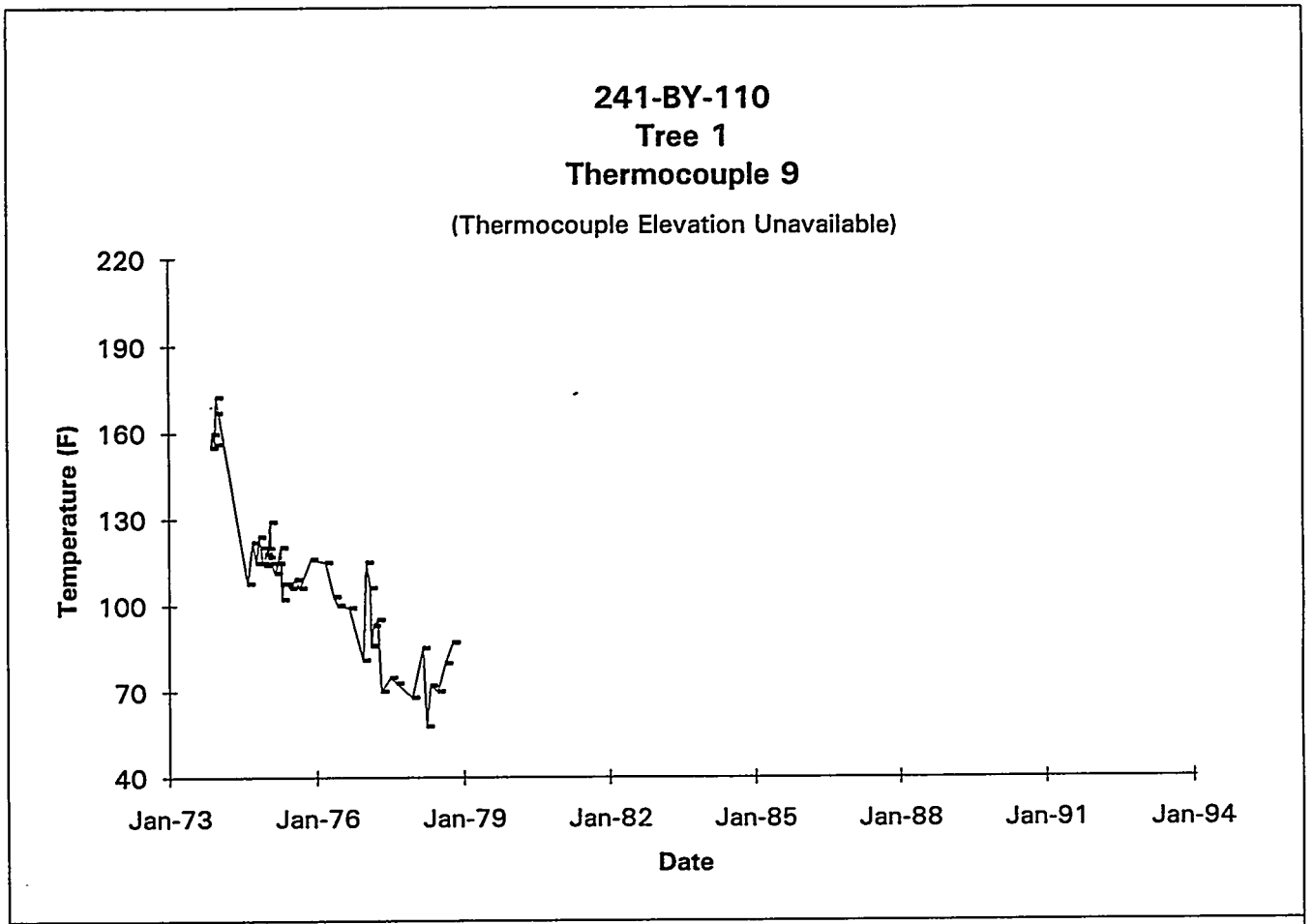

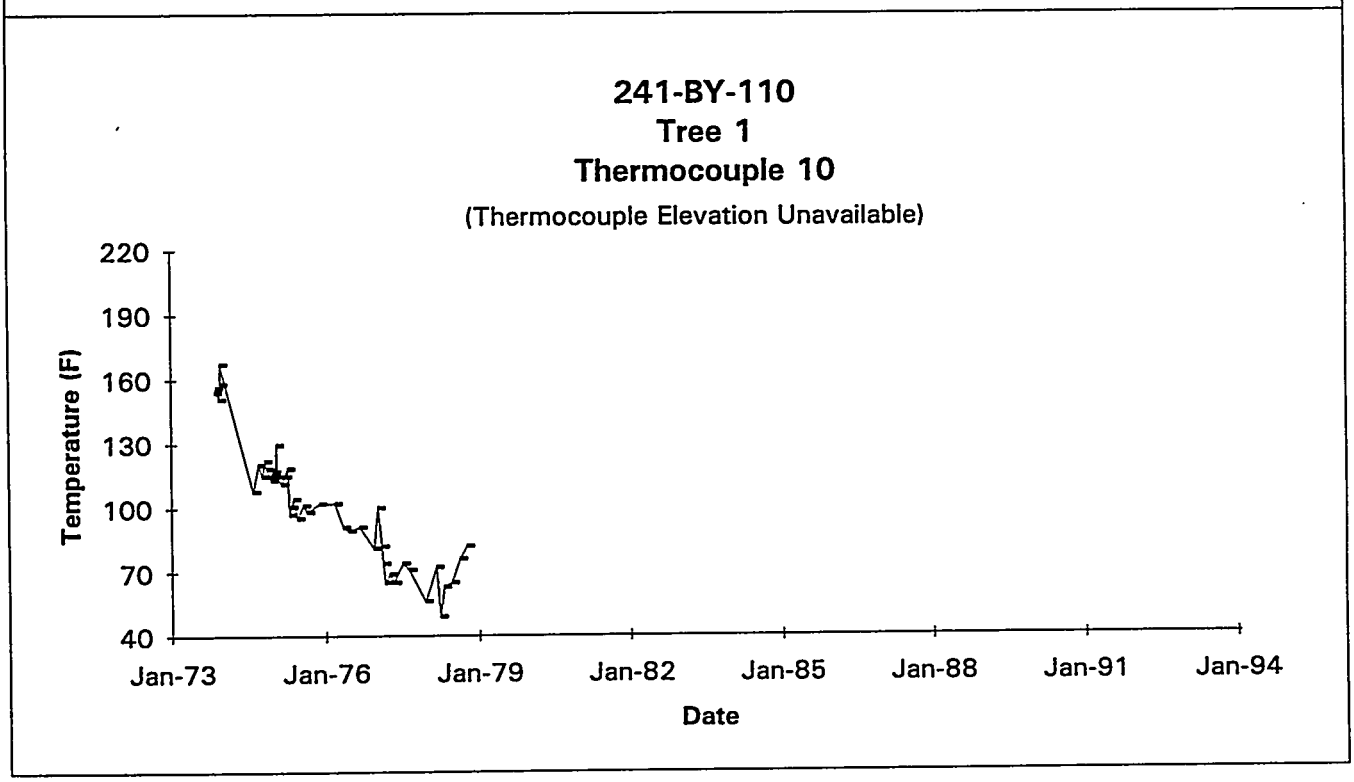

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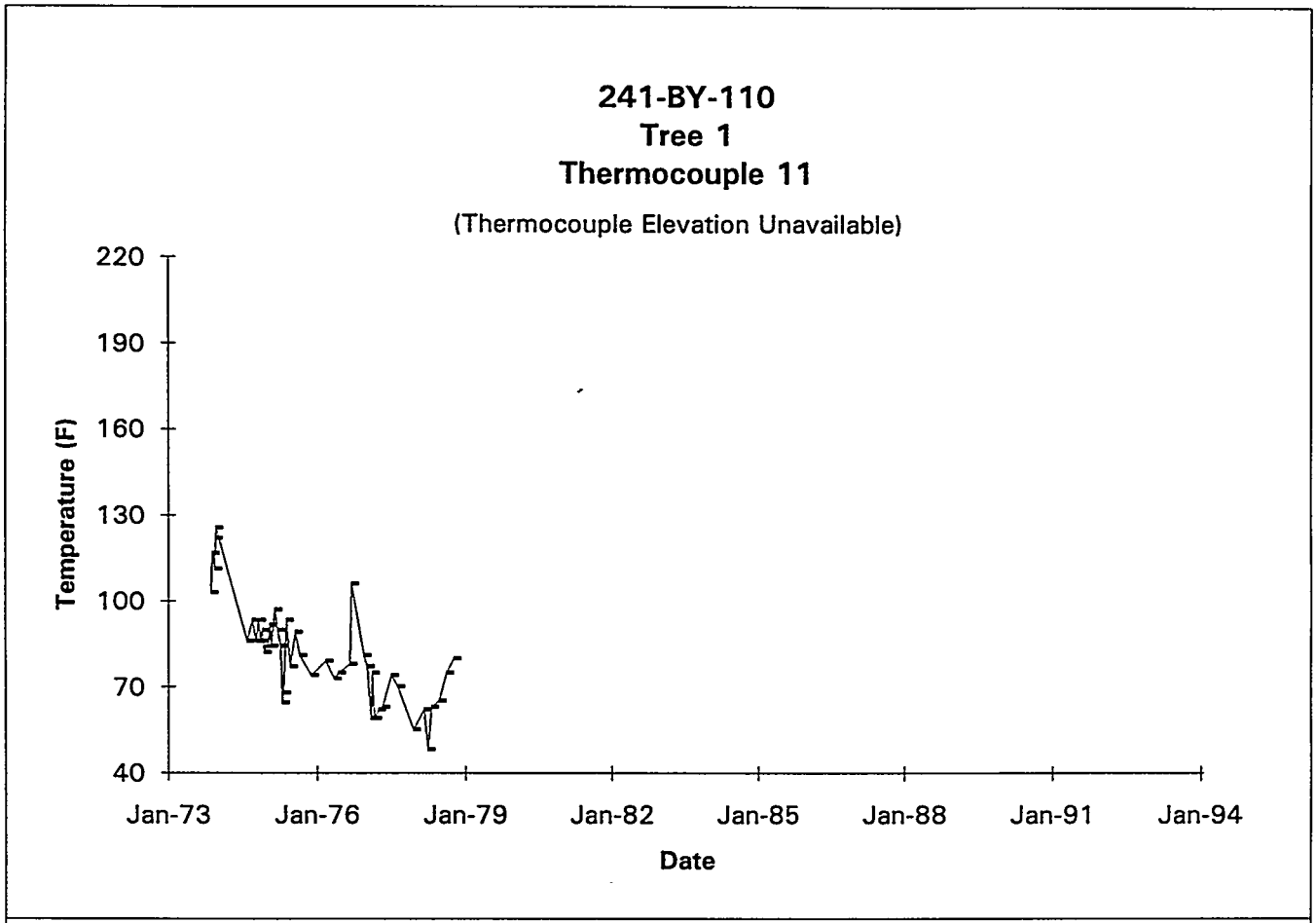

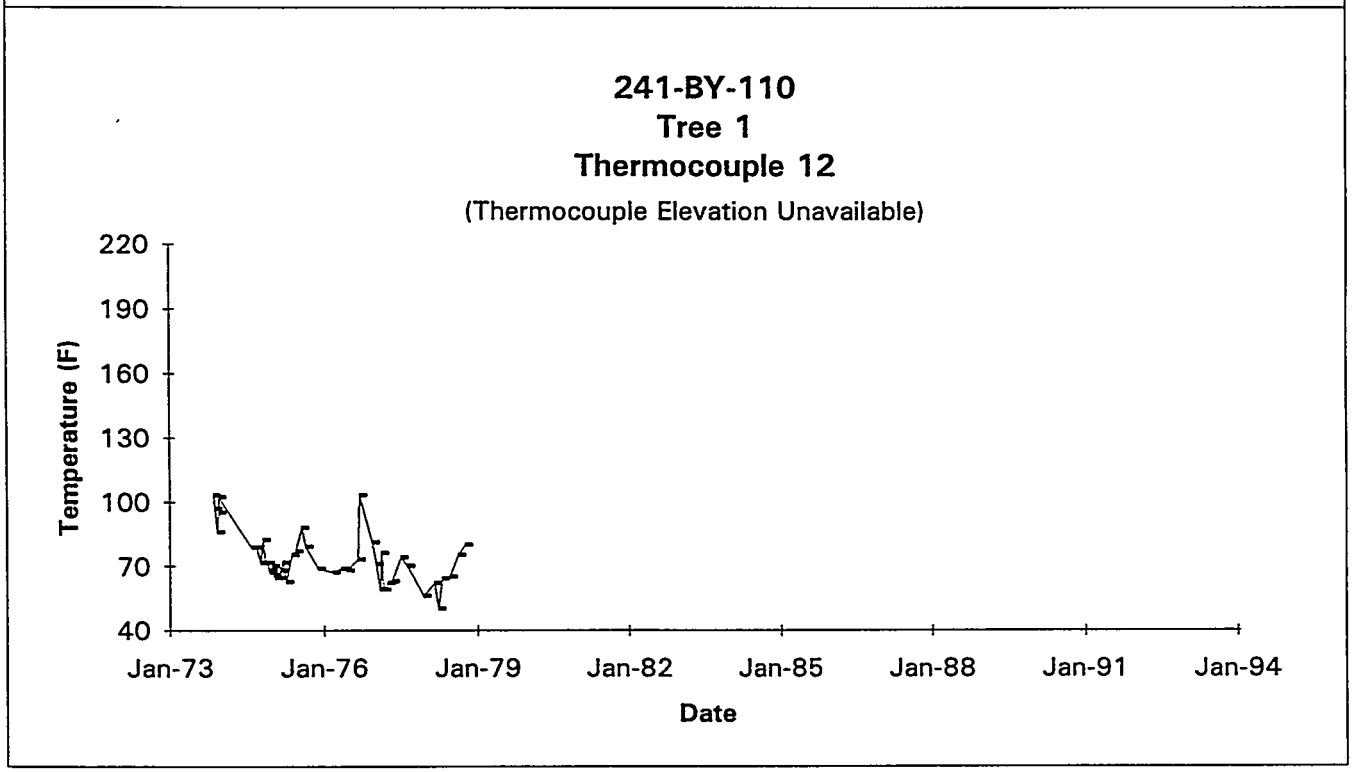

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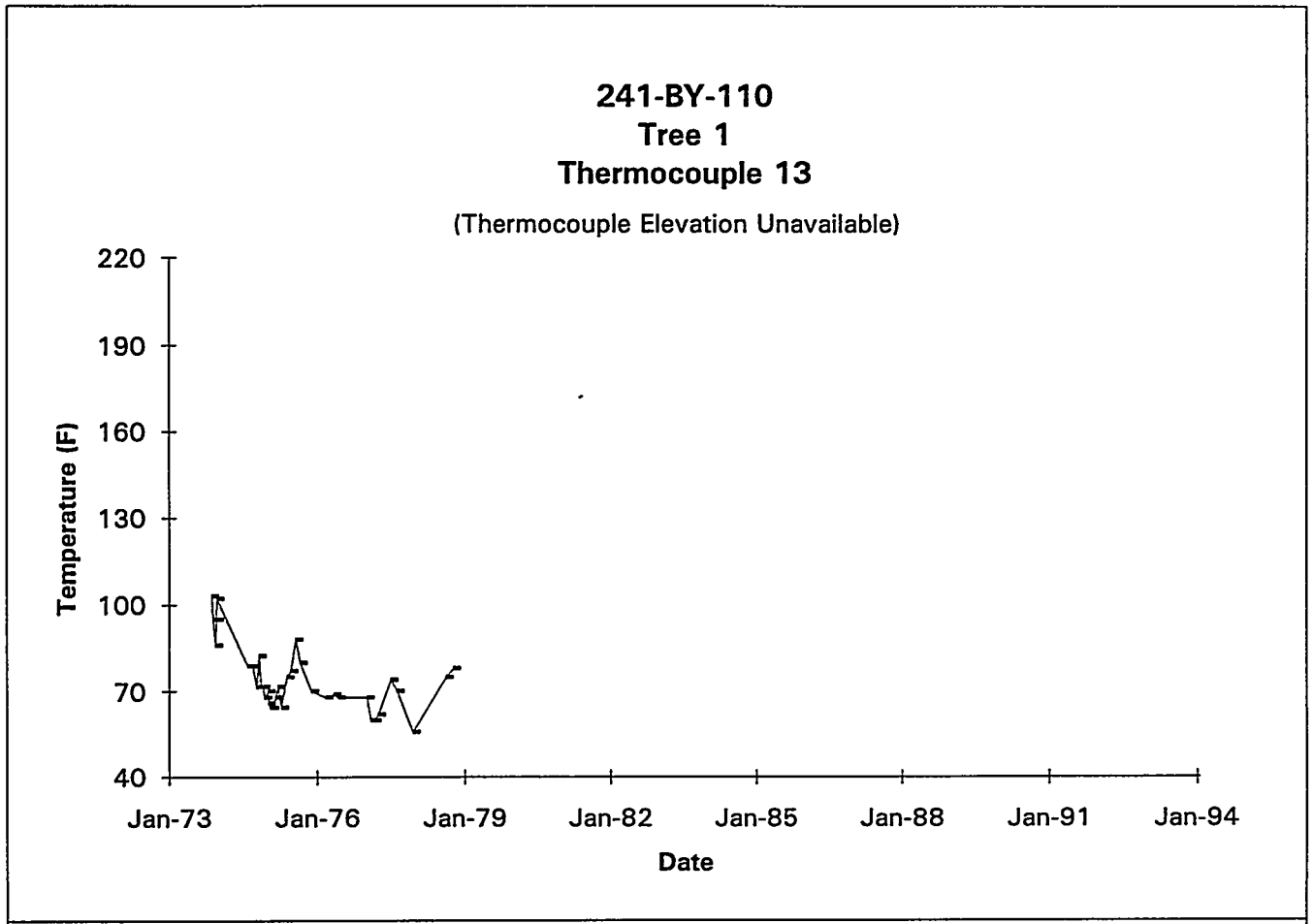

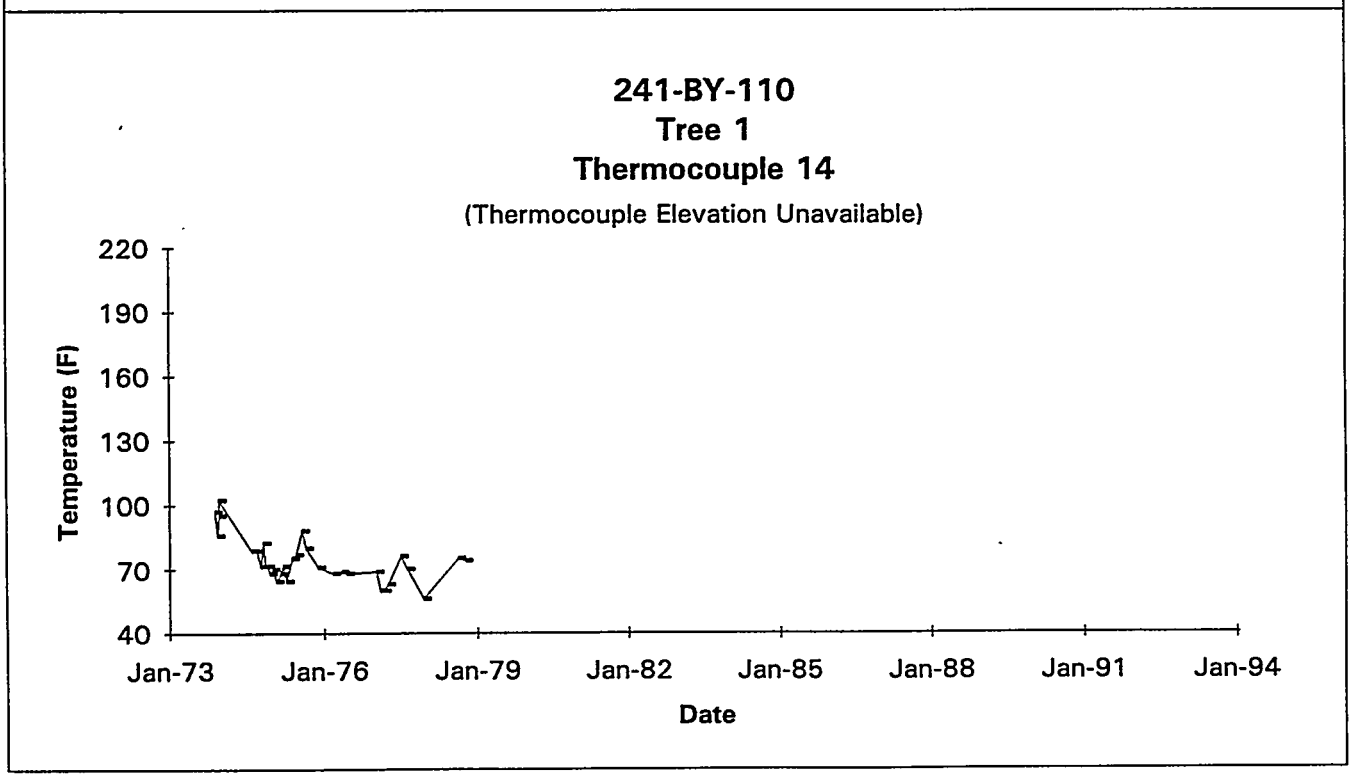

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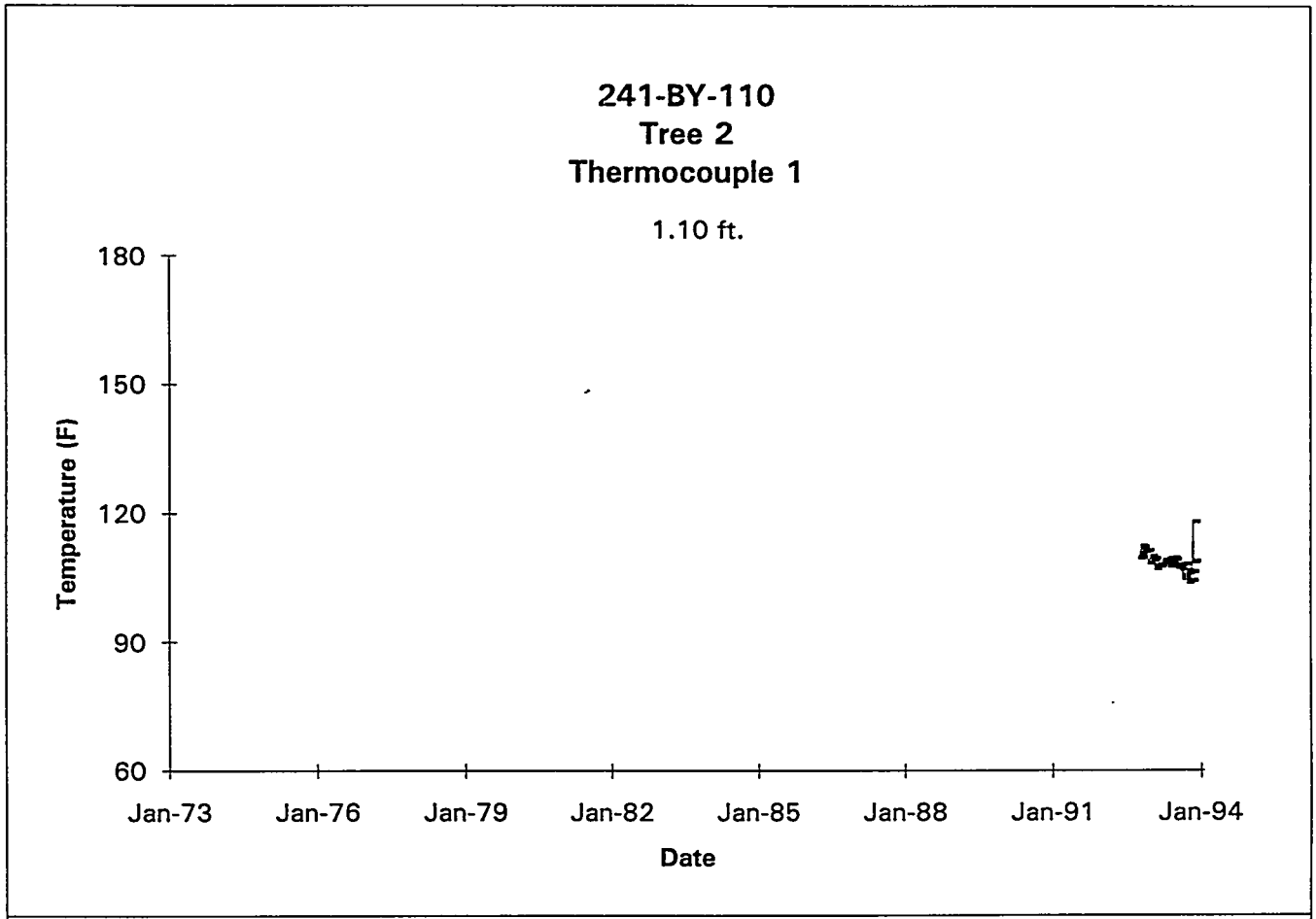

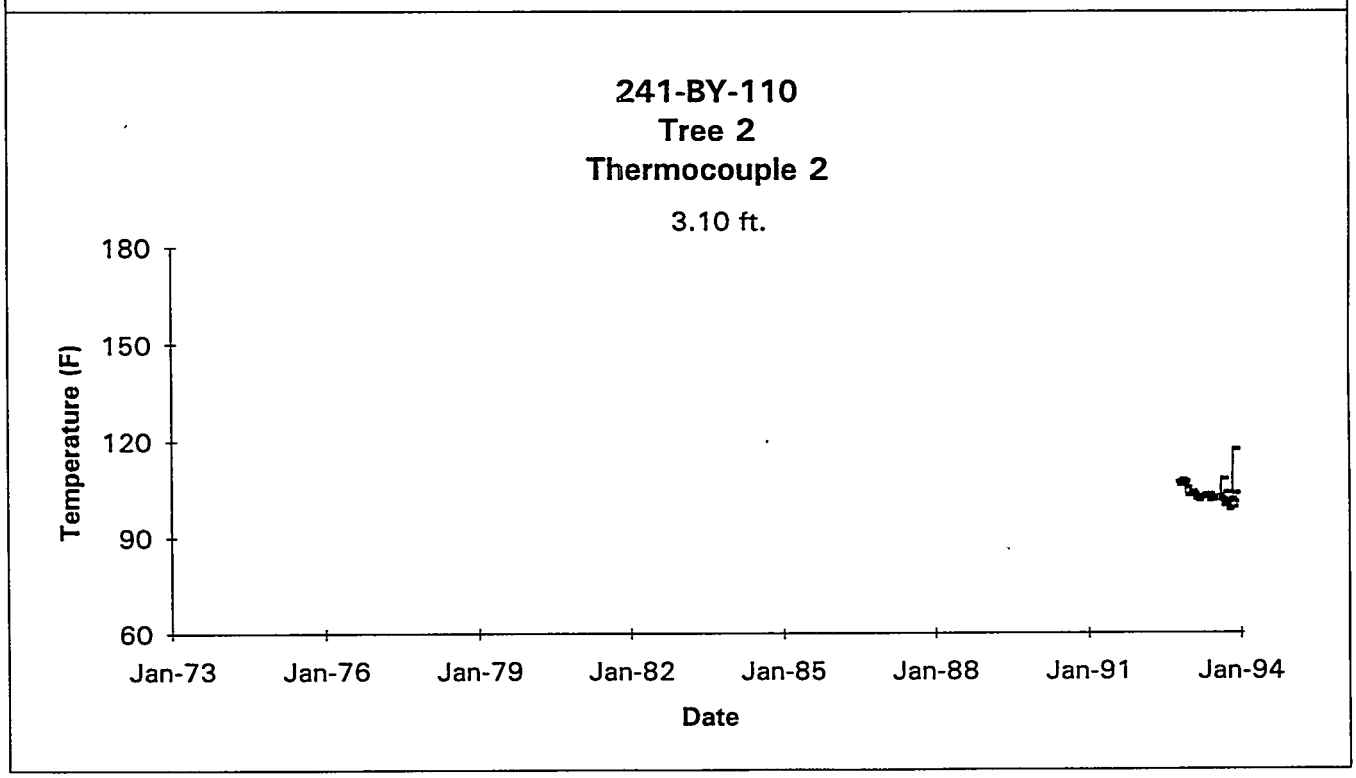

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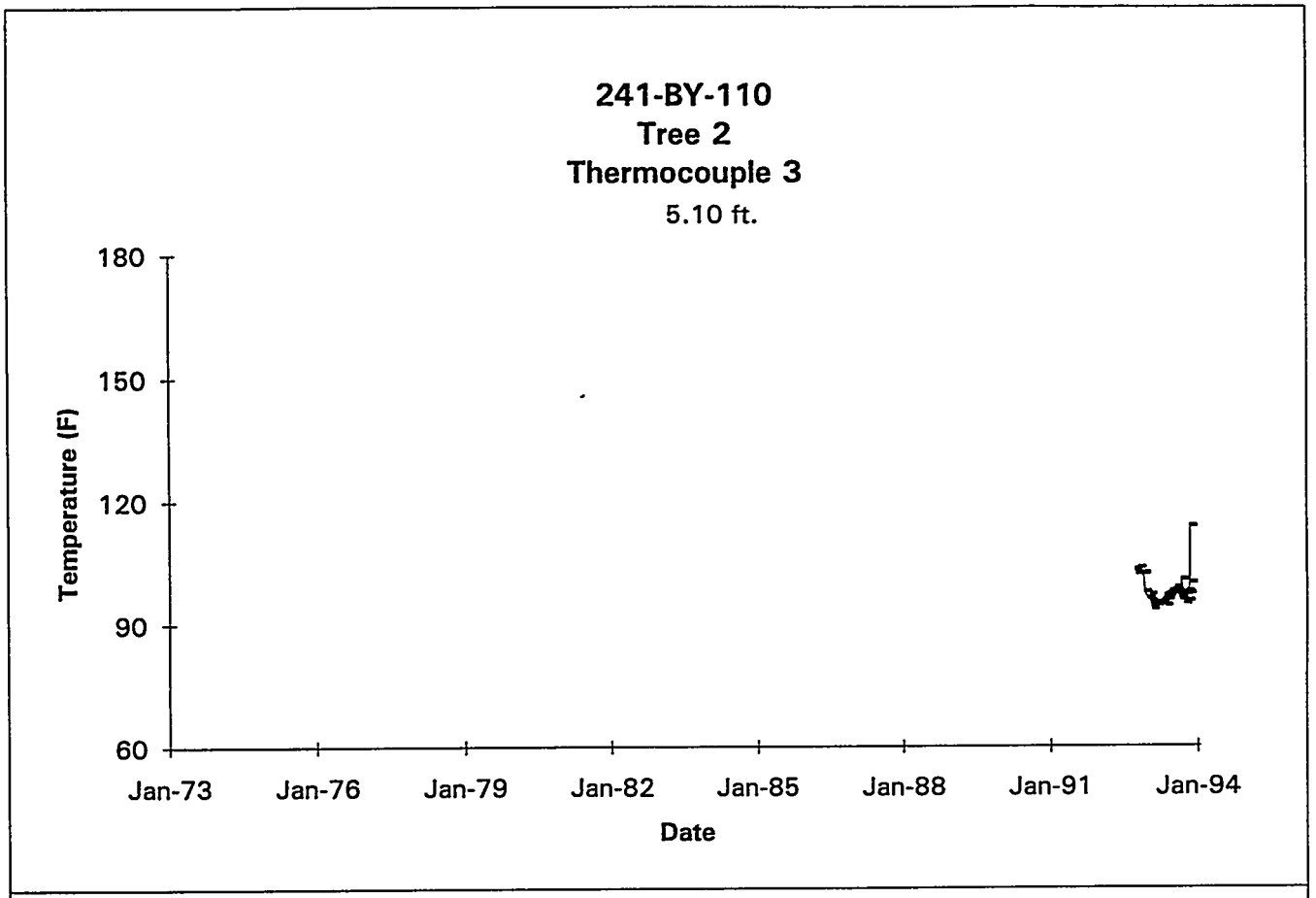

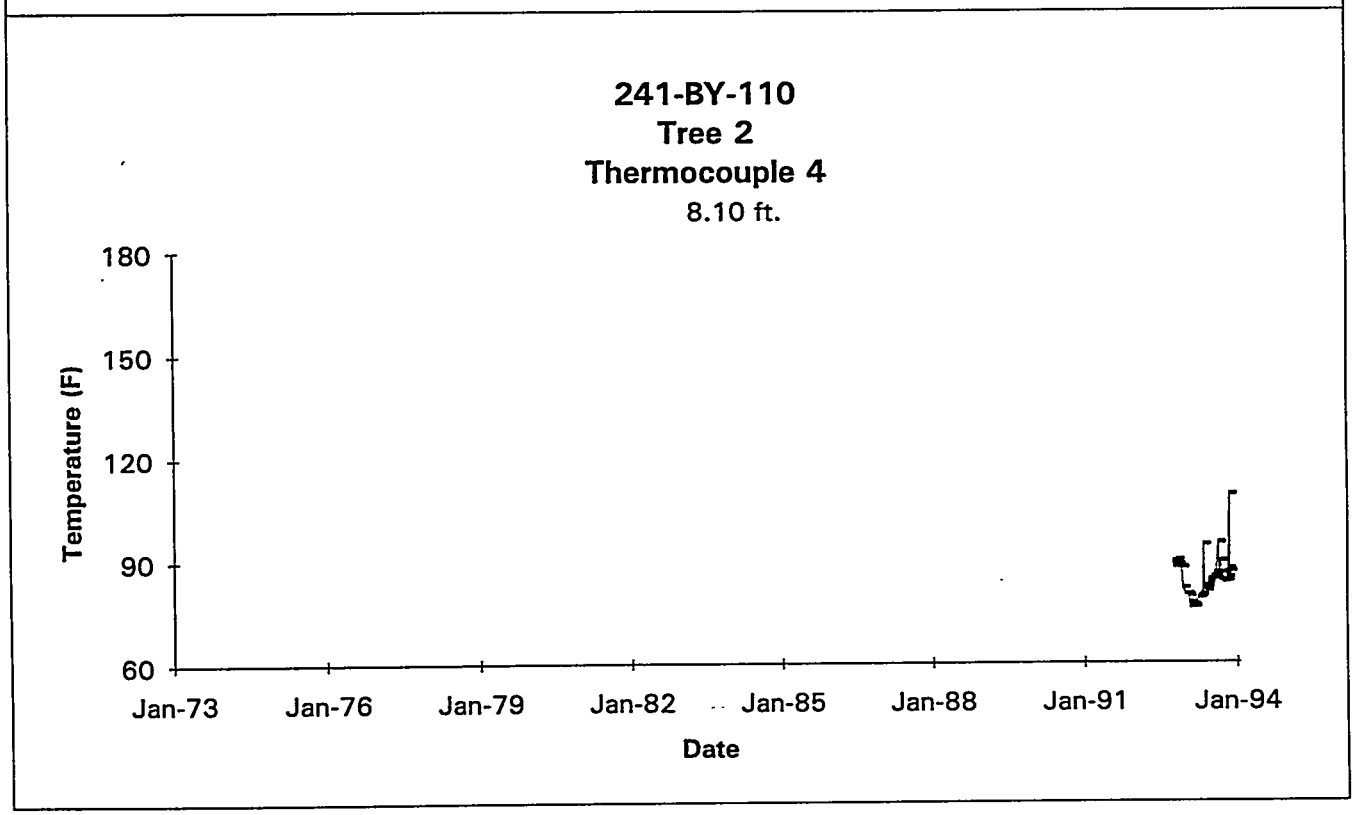

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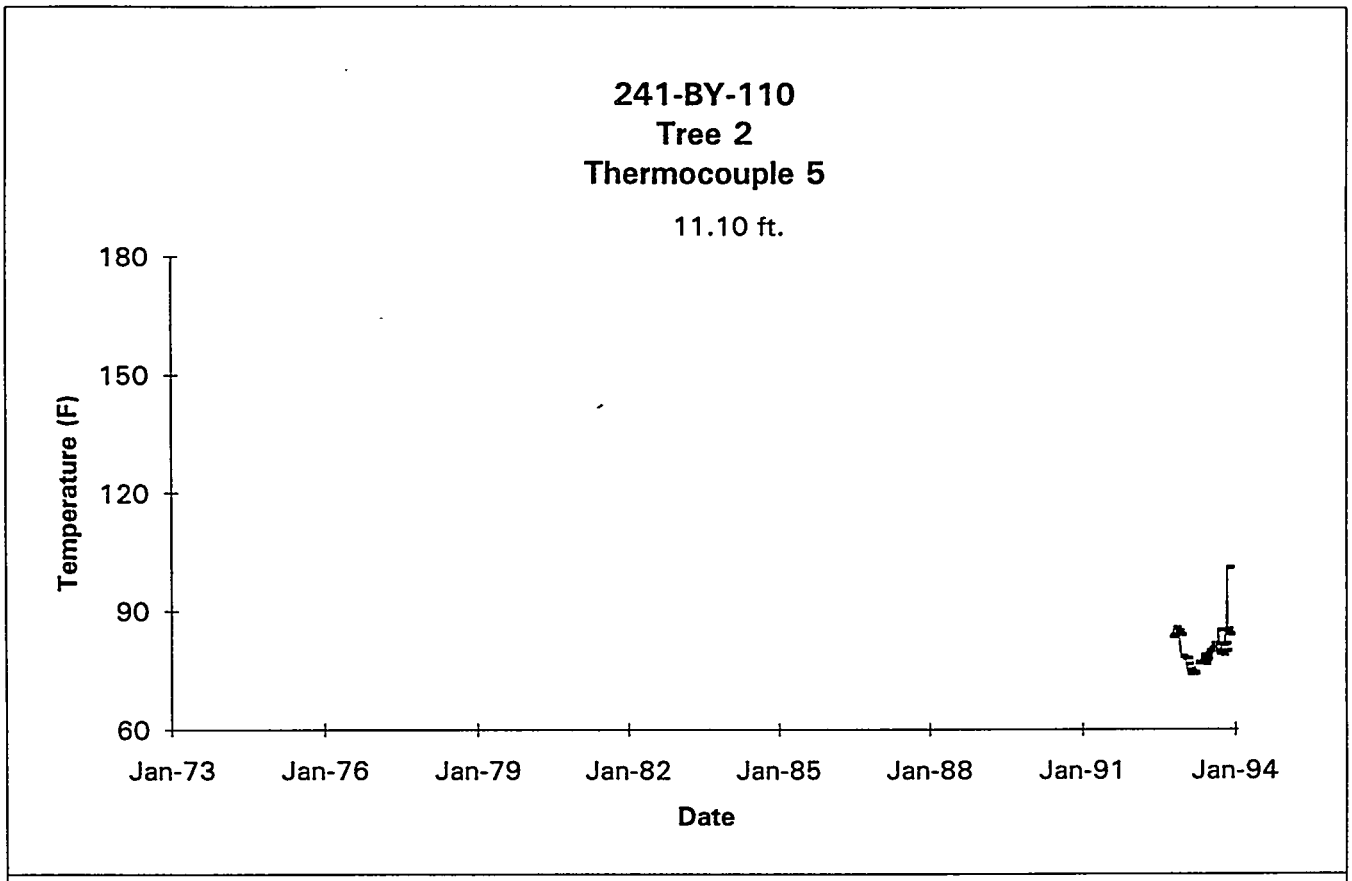

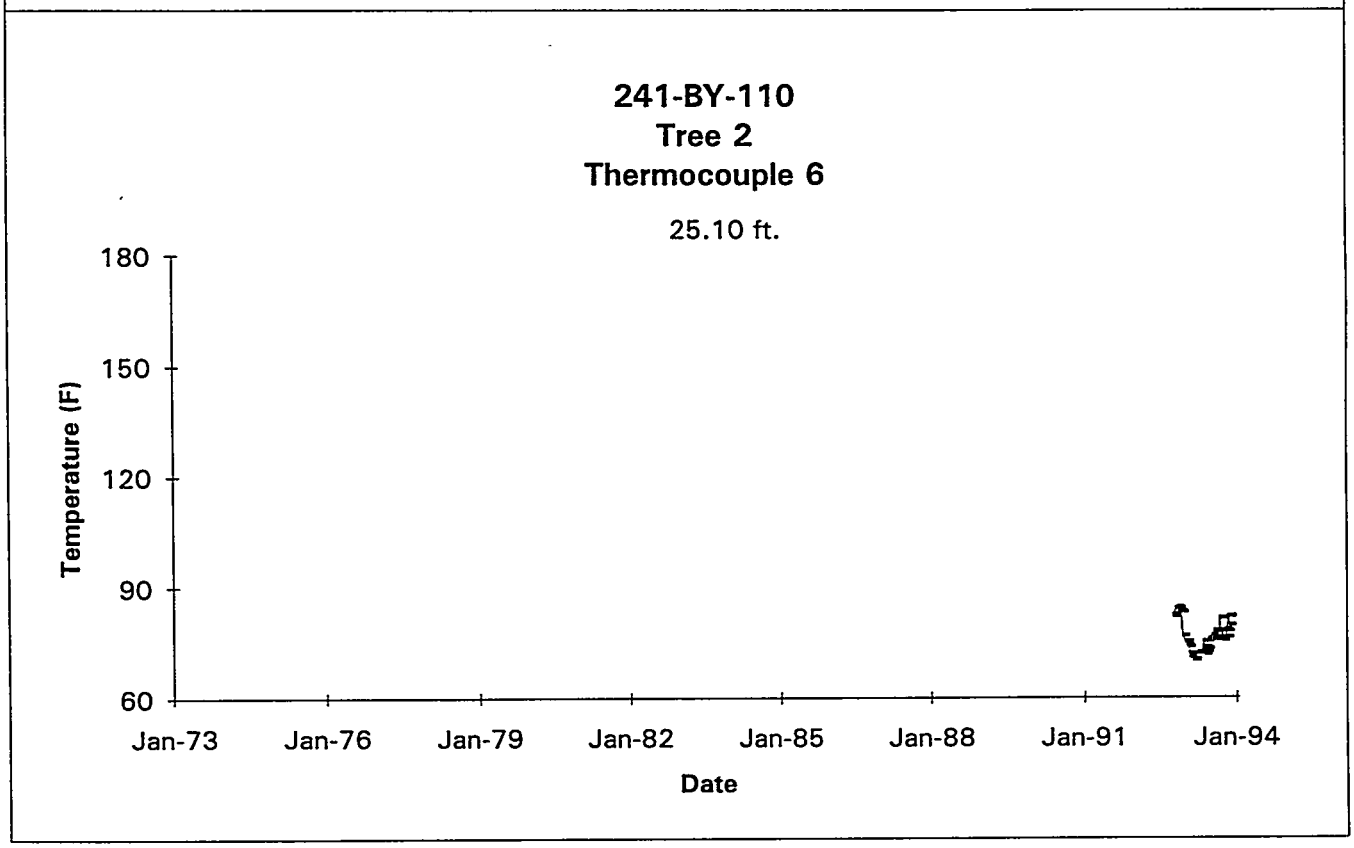

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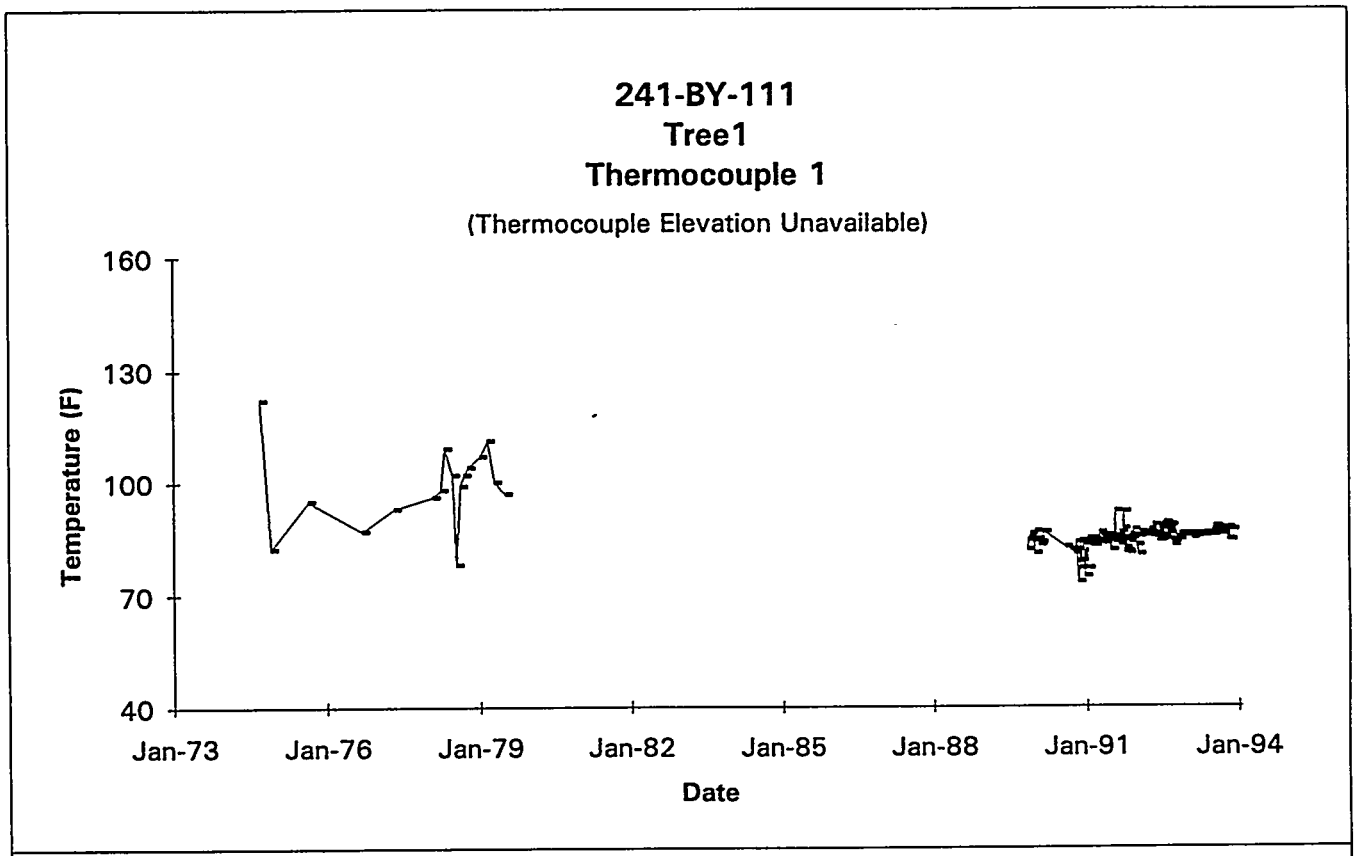

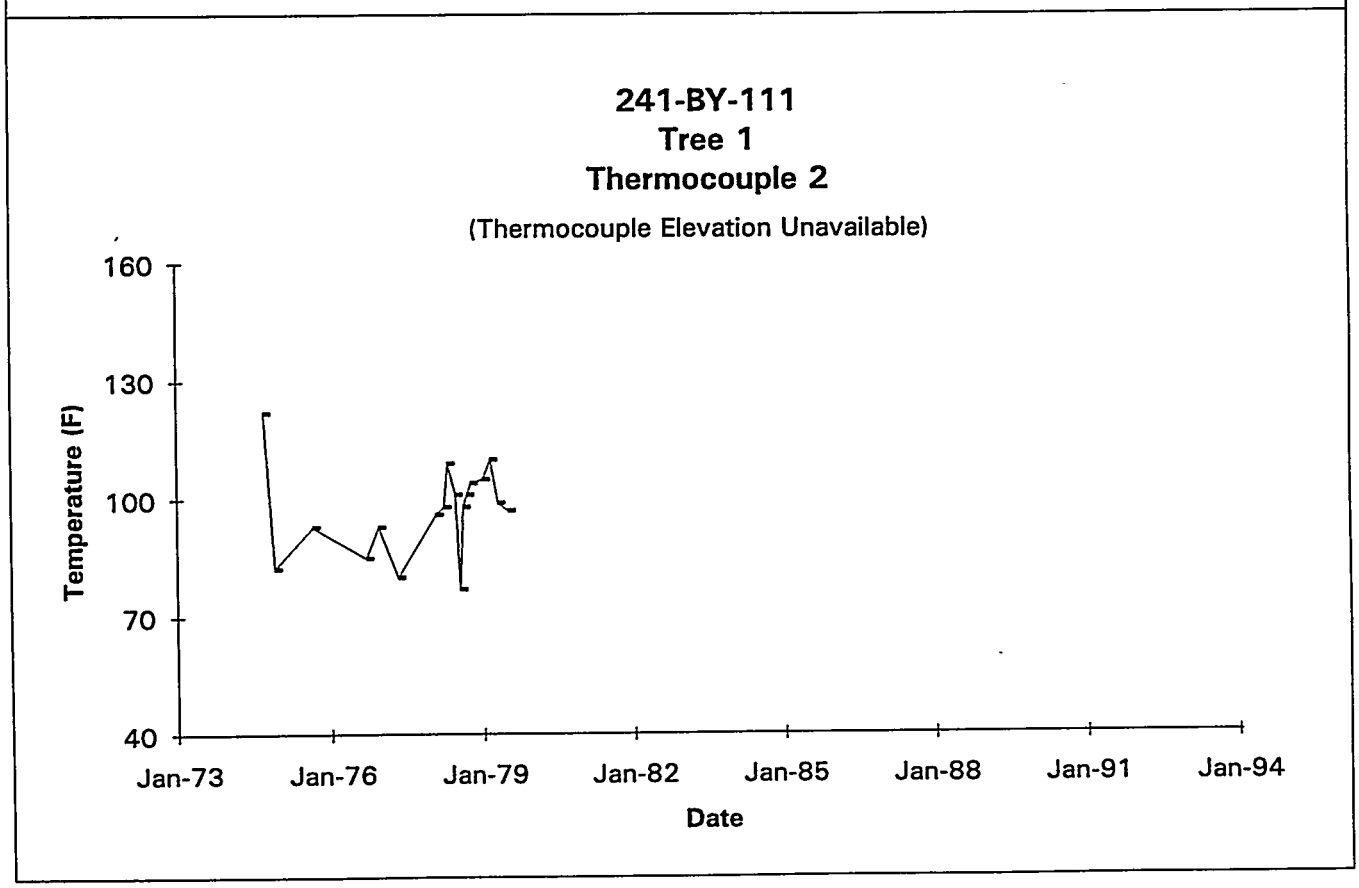

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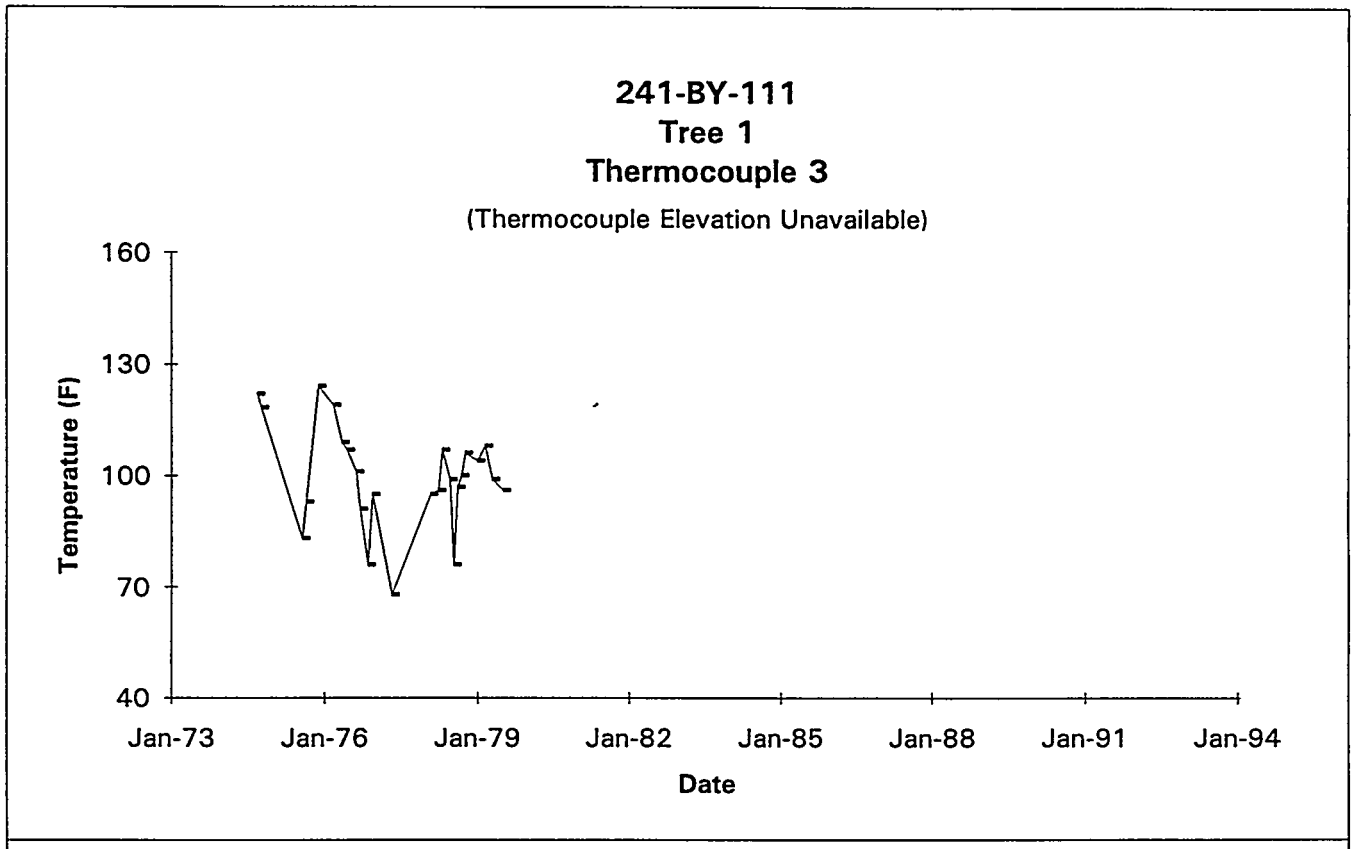

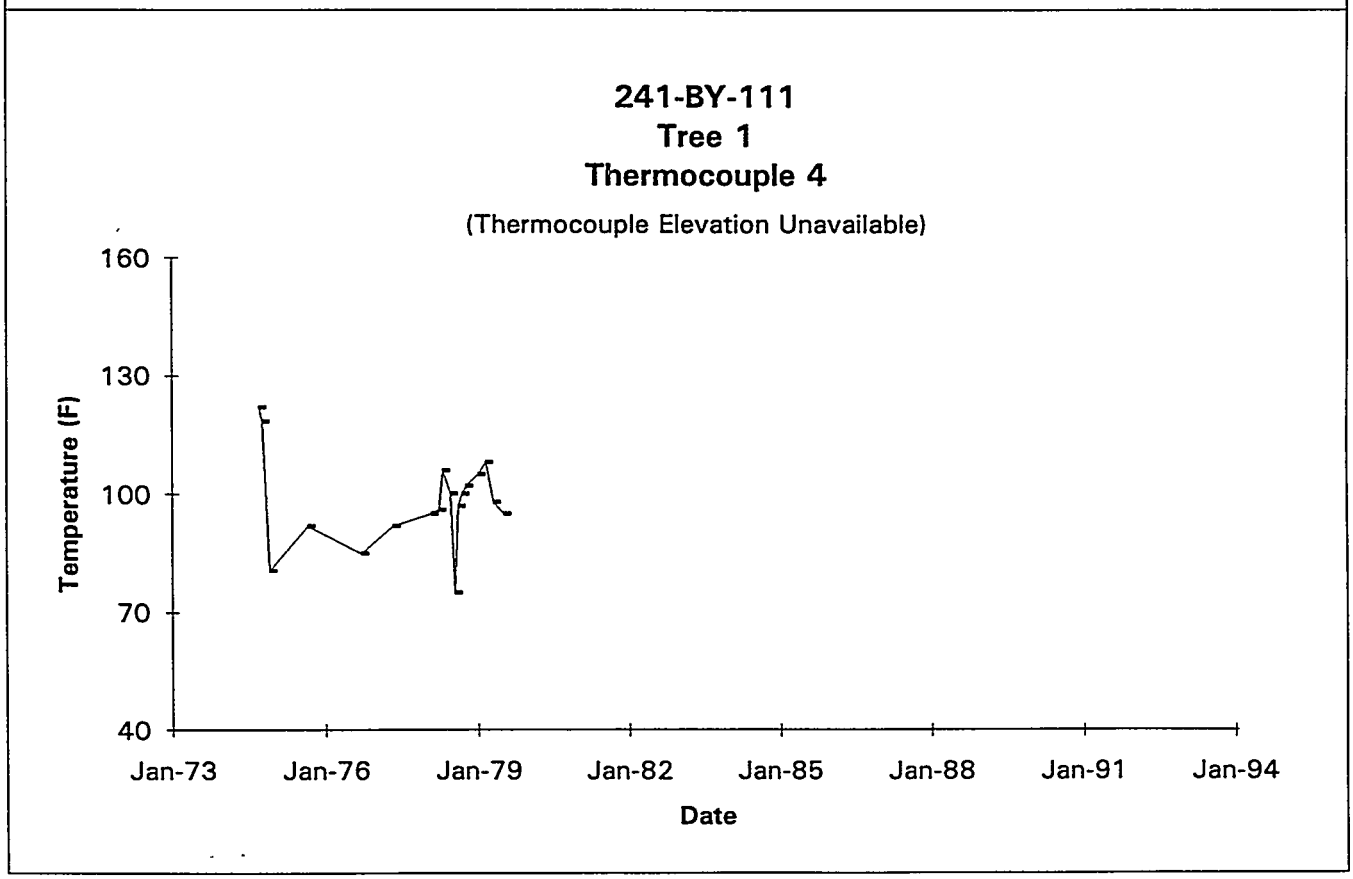

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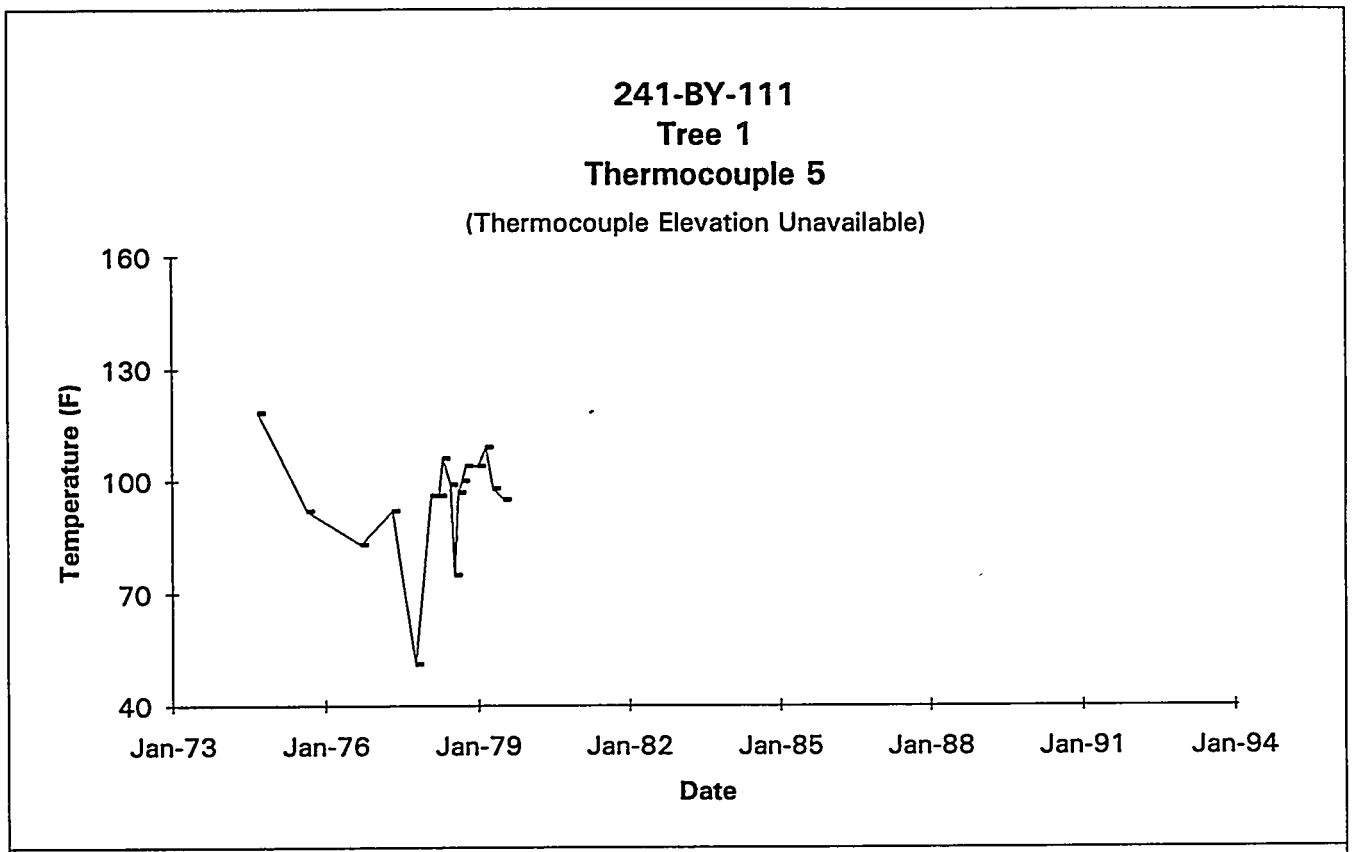
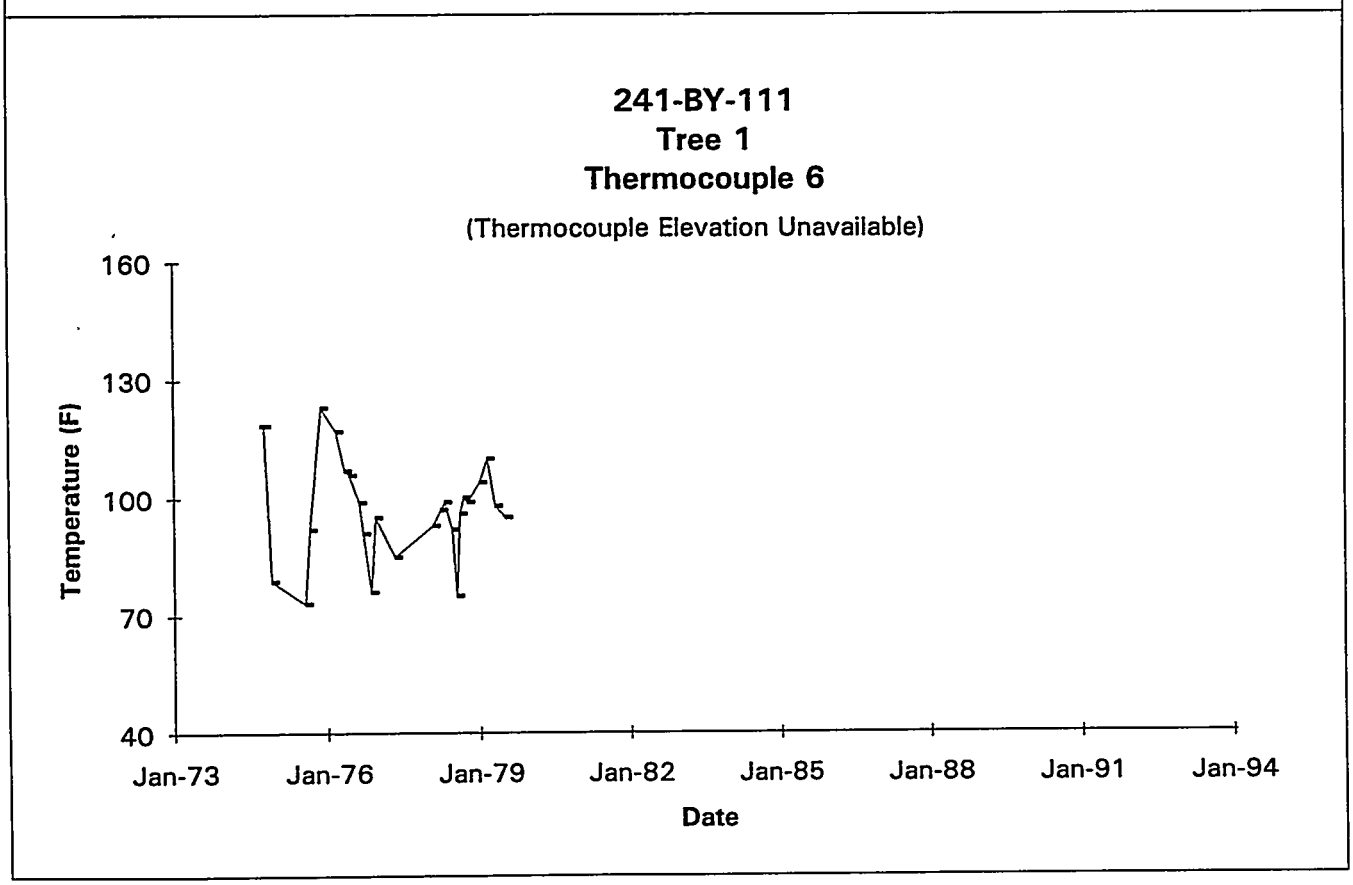
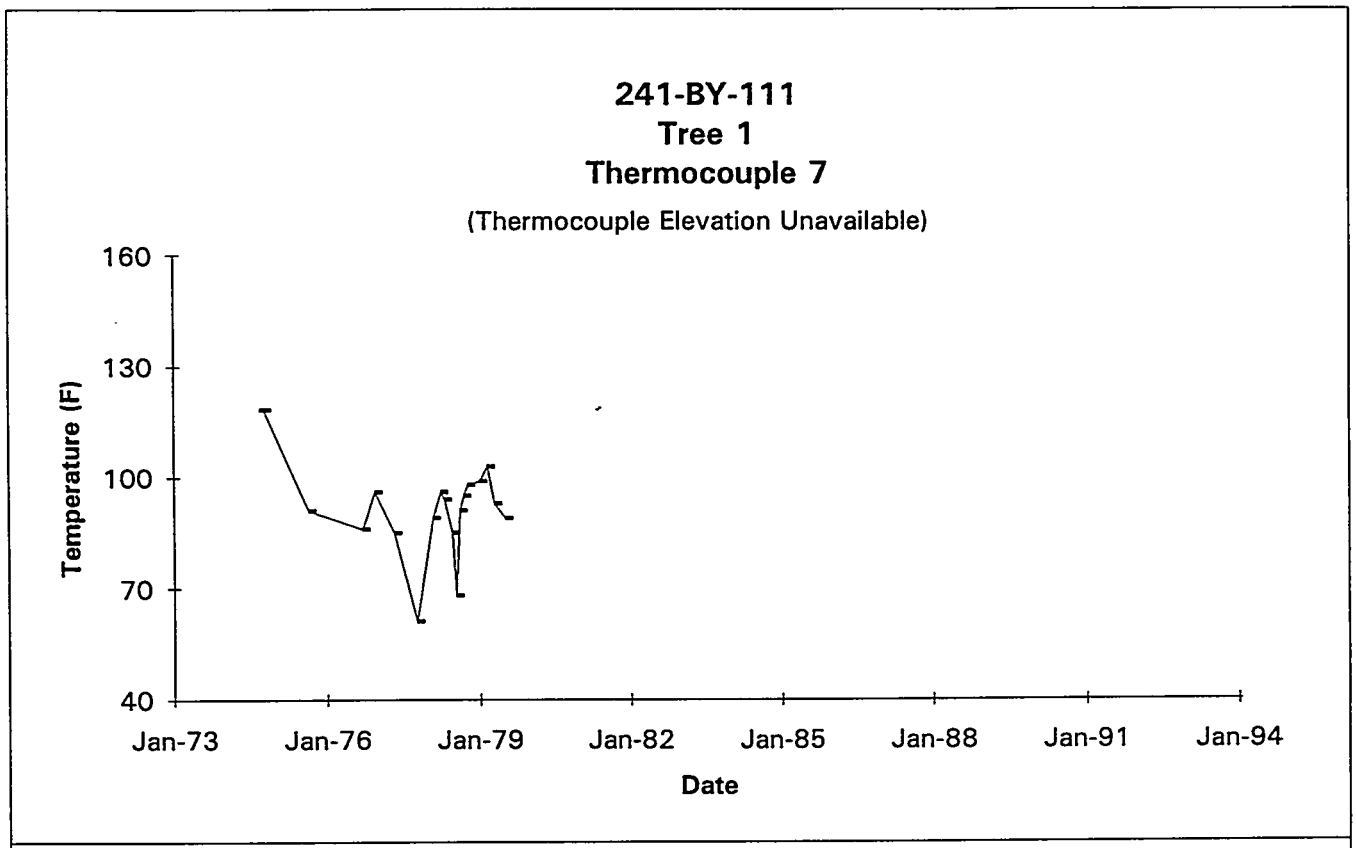
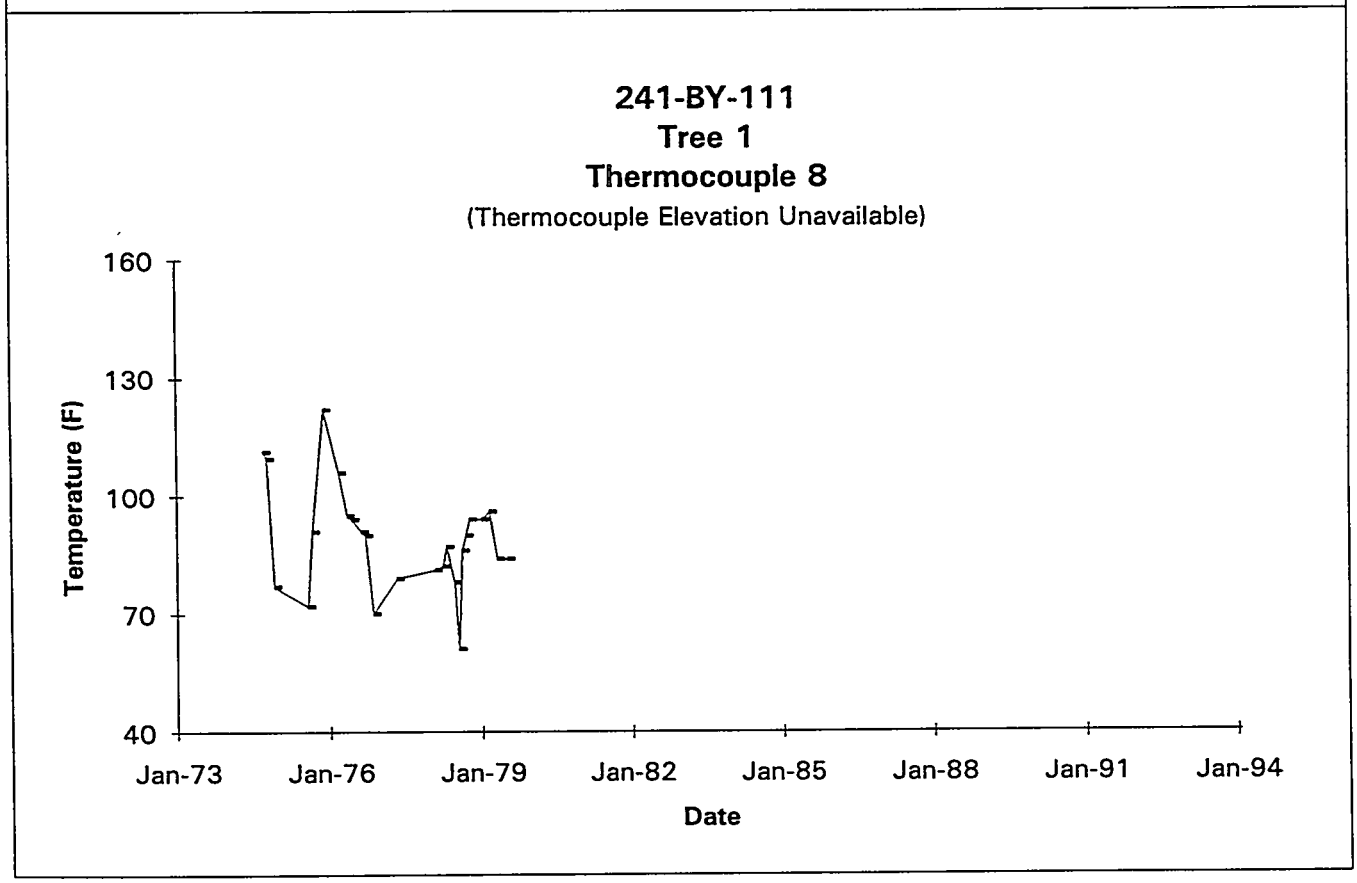


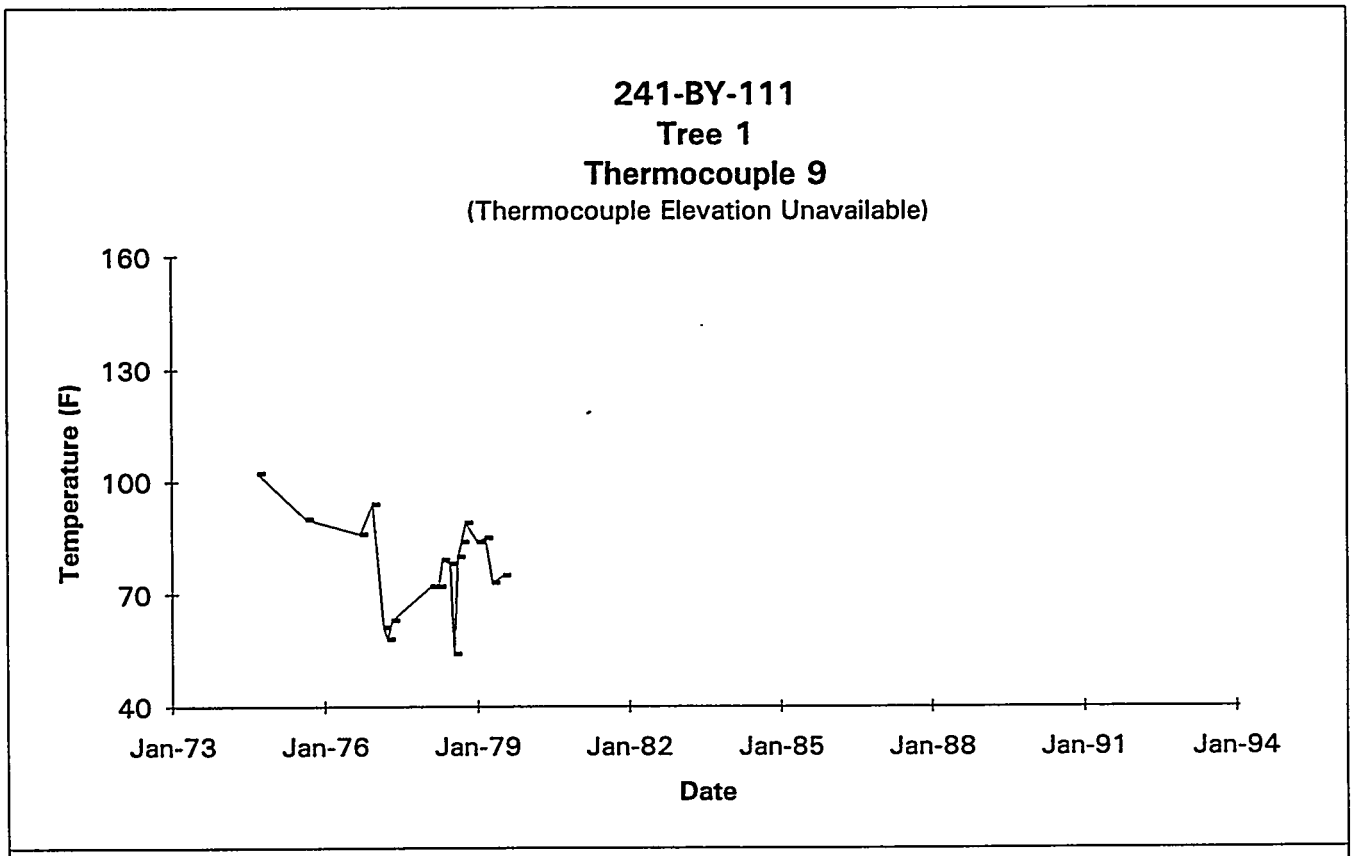


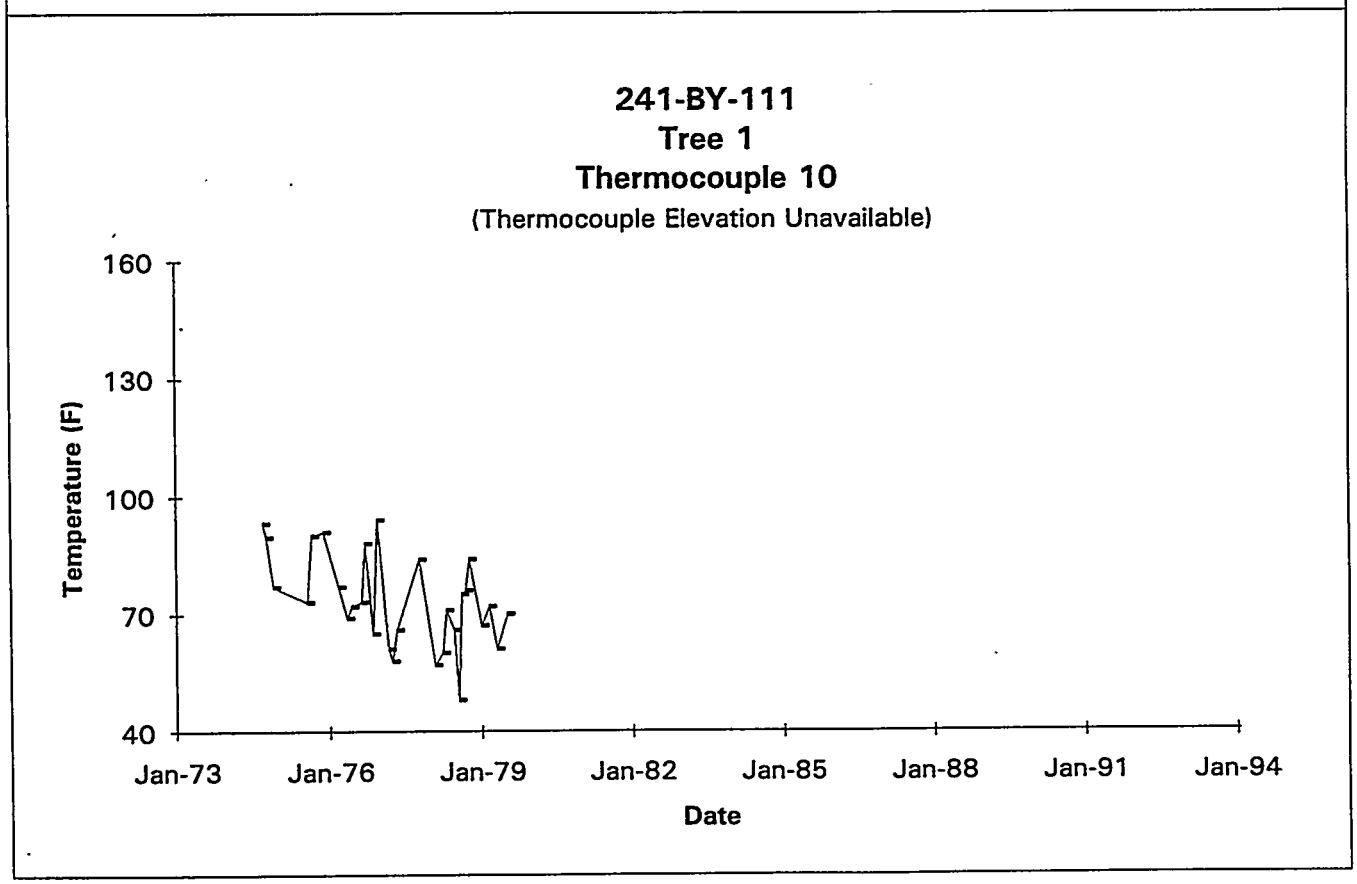
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.



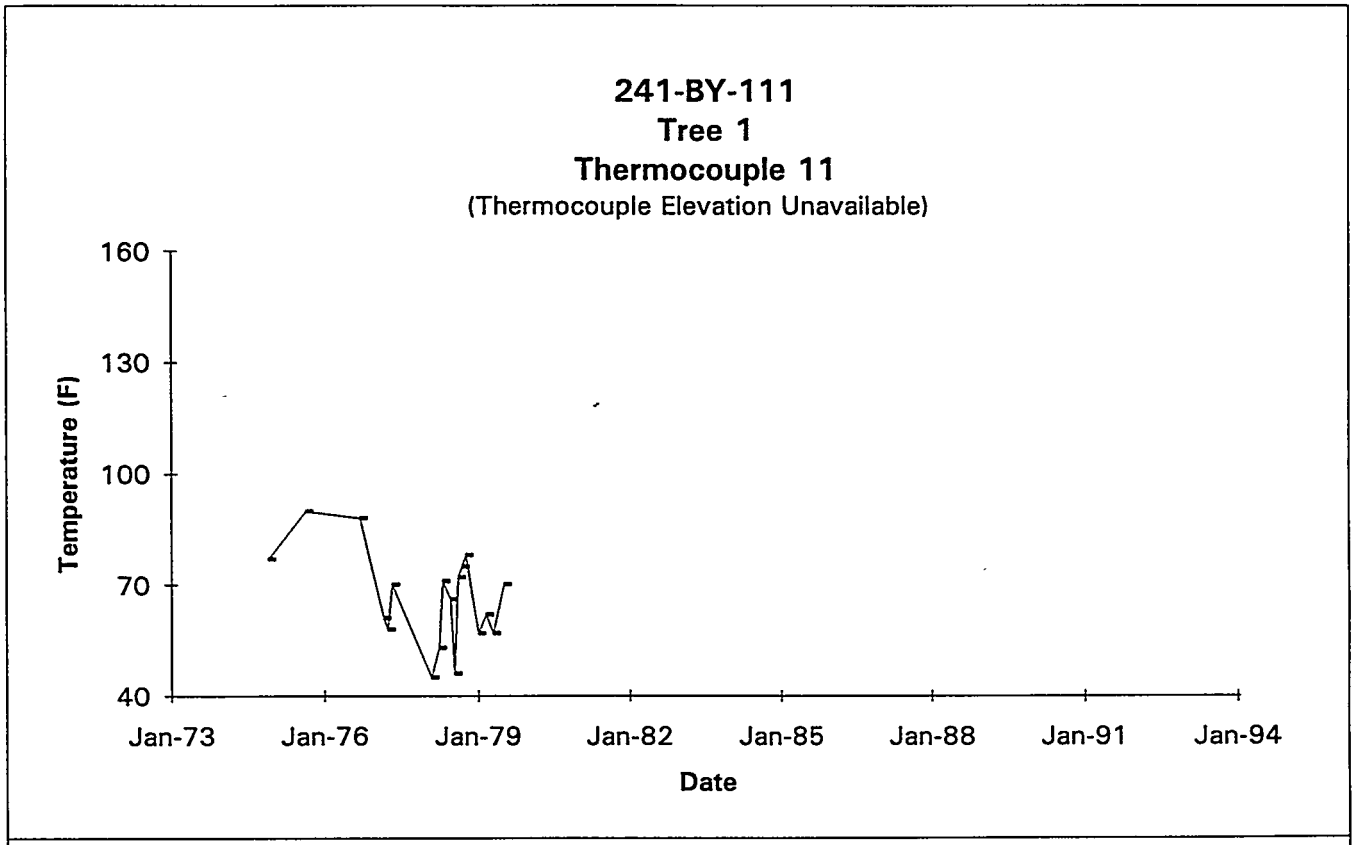


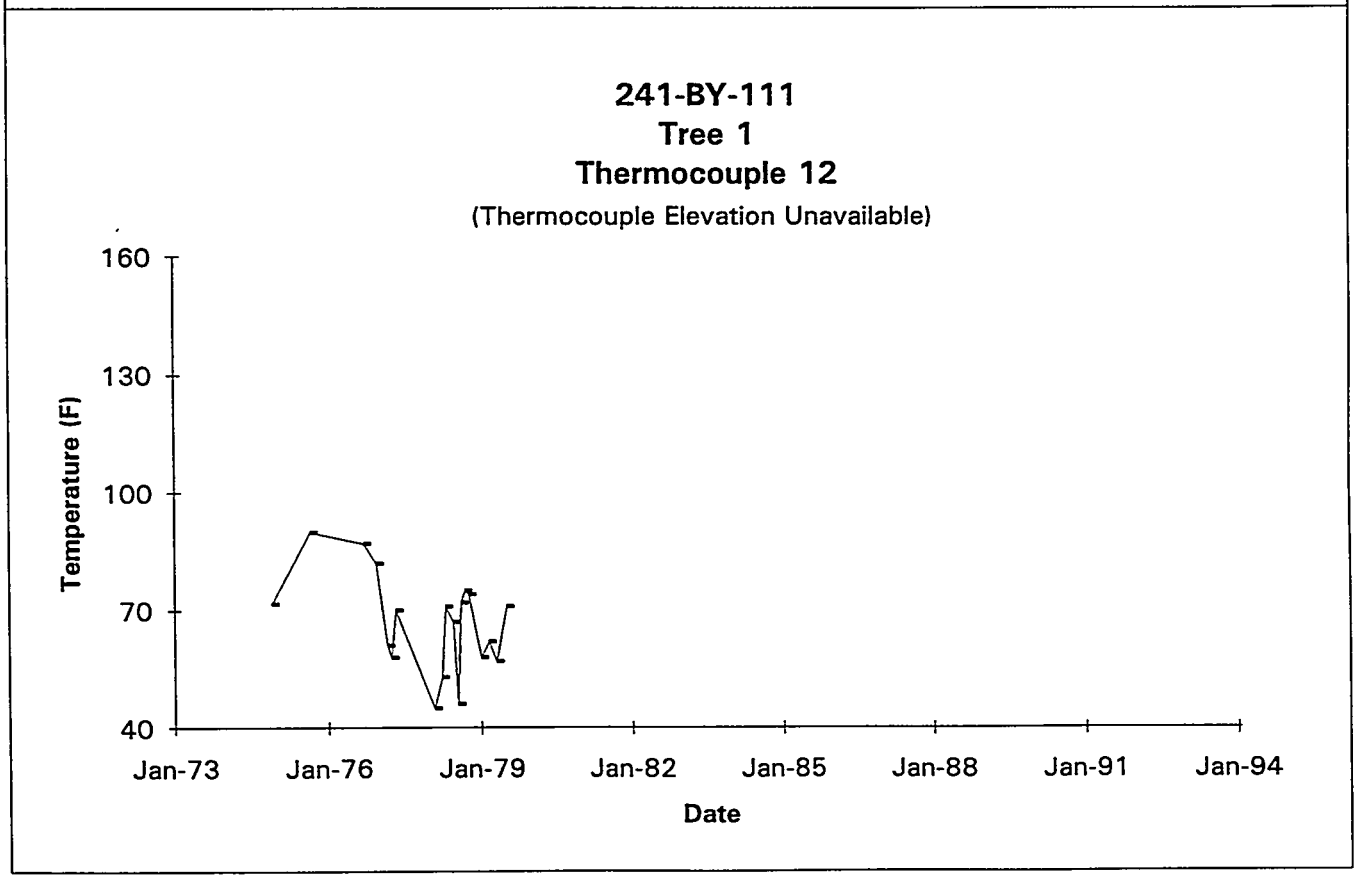
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.



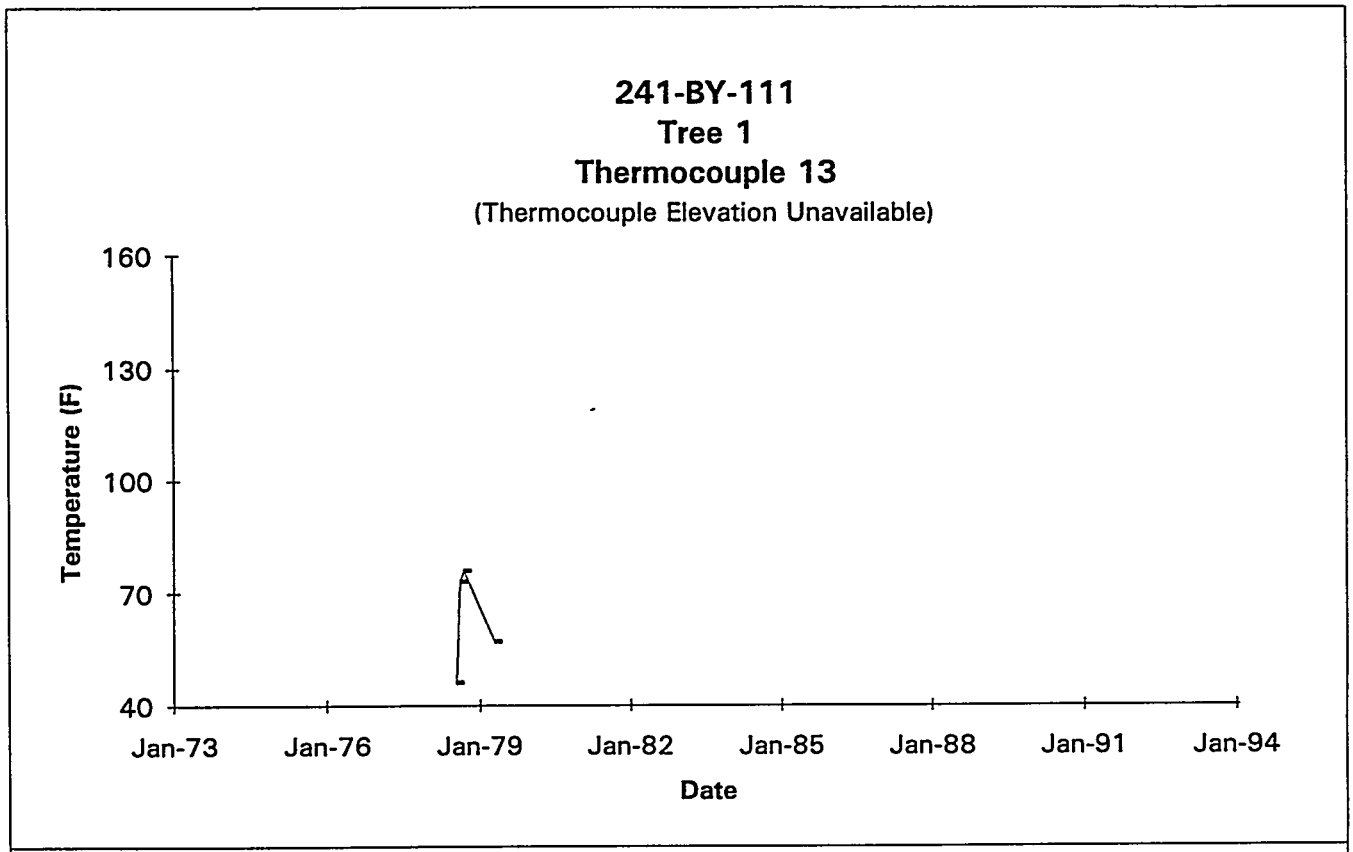


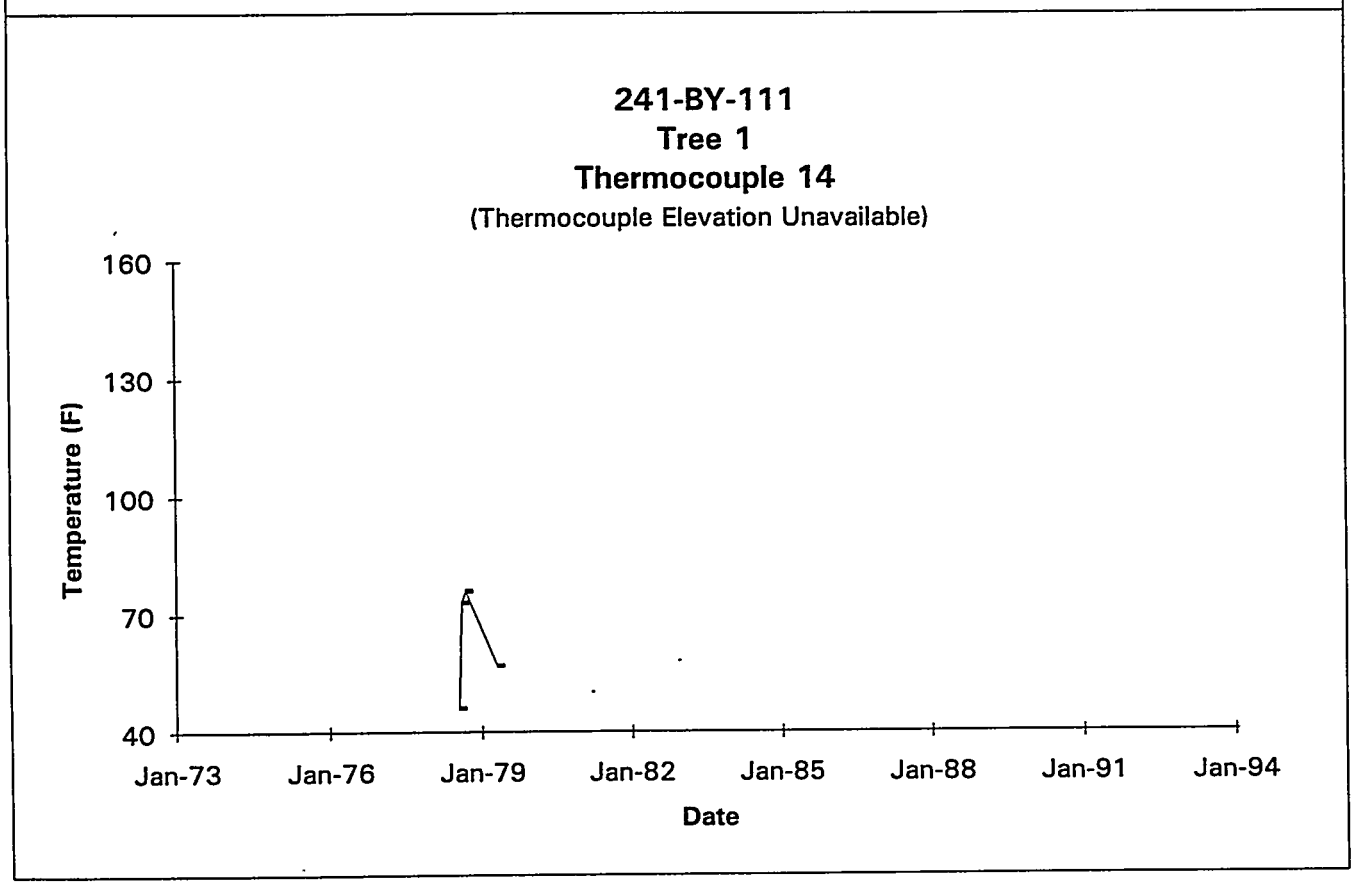
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.



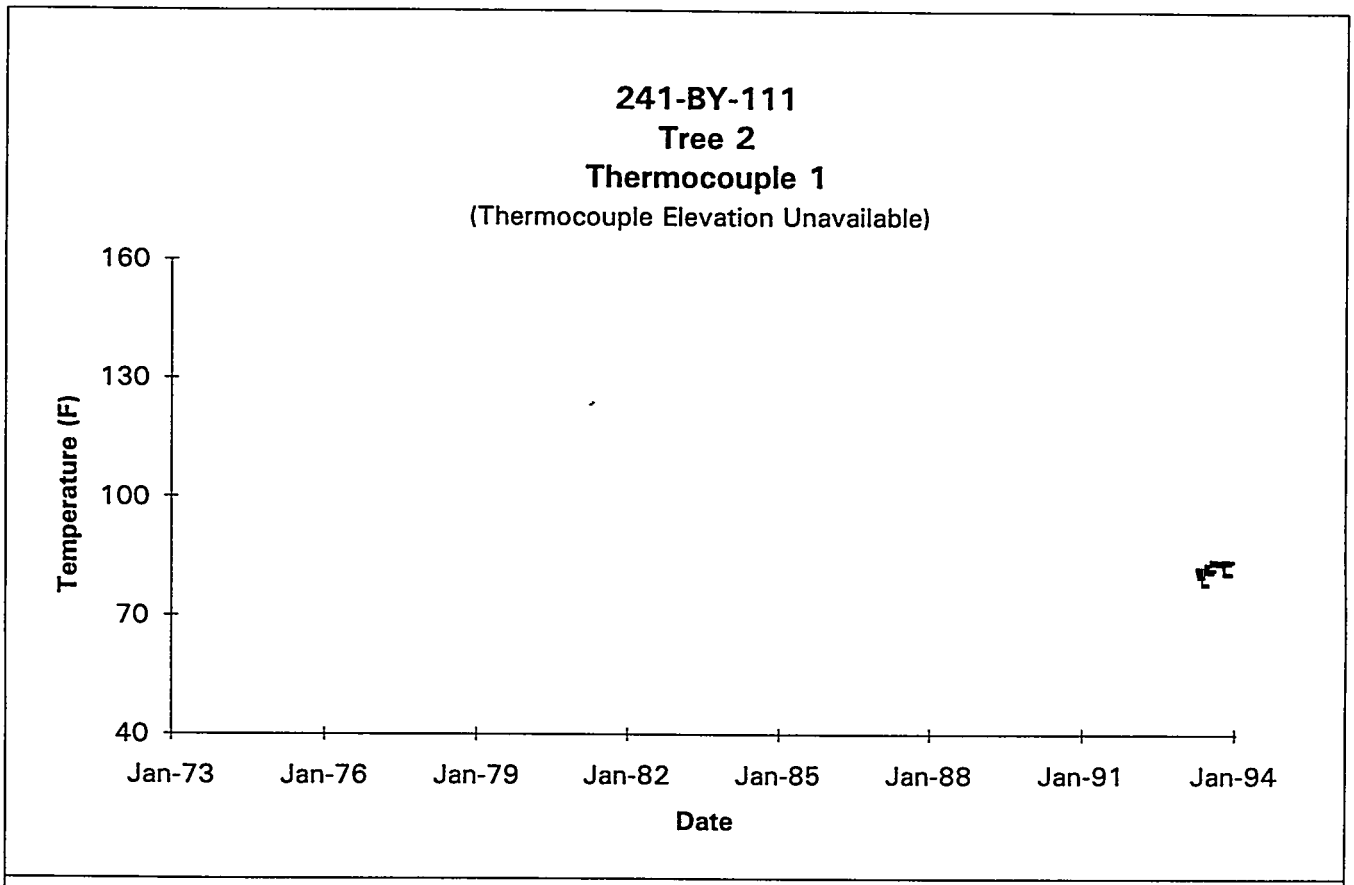


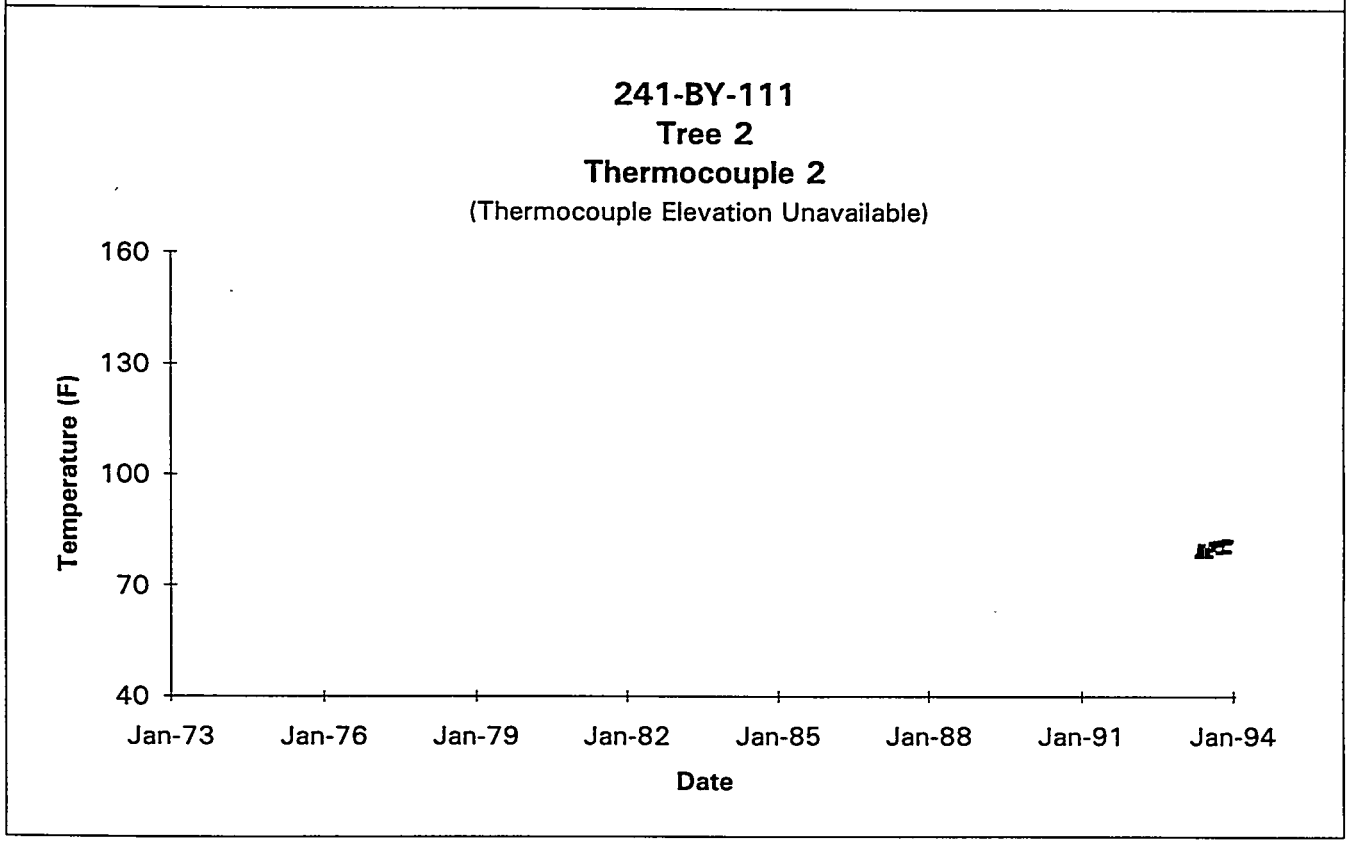
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.



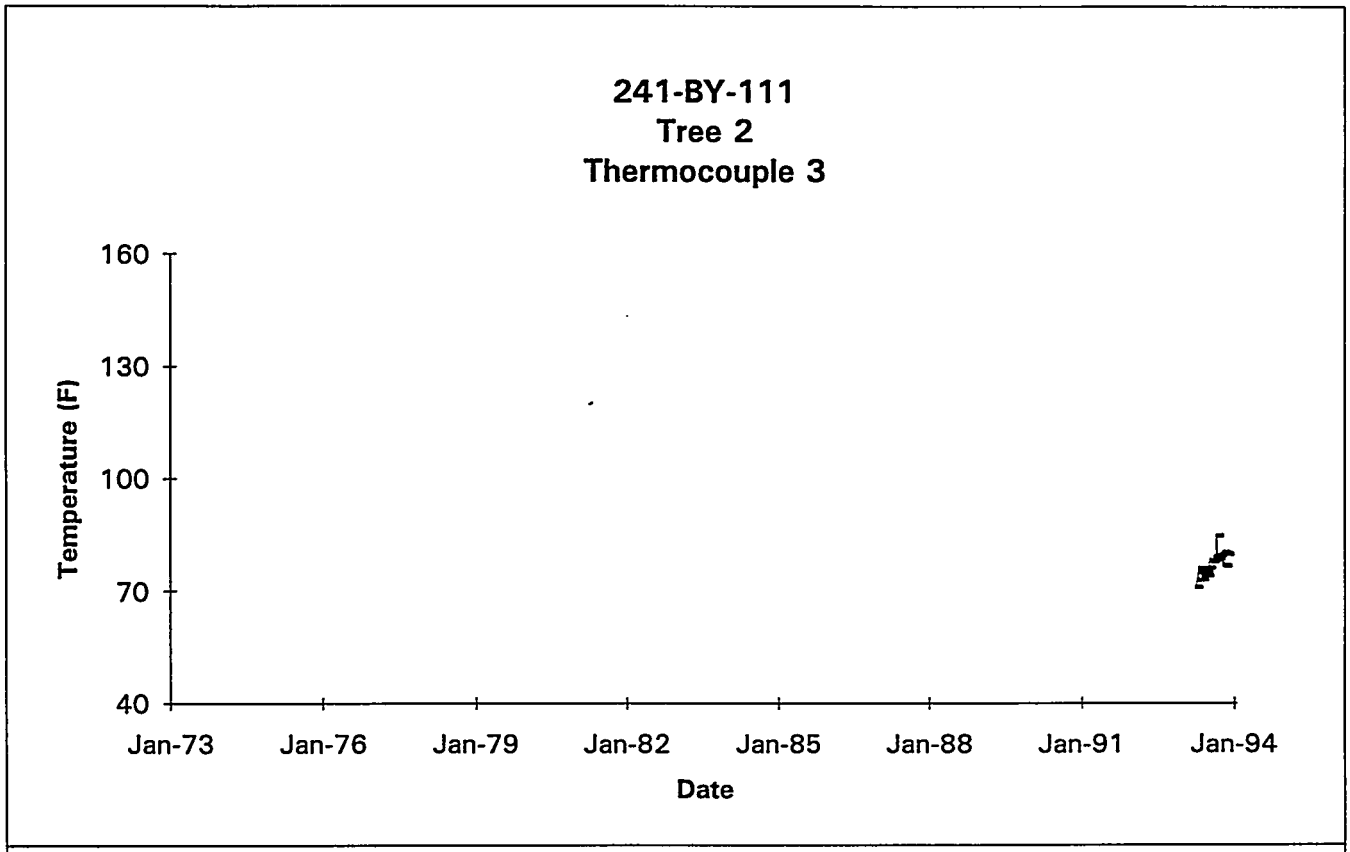


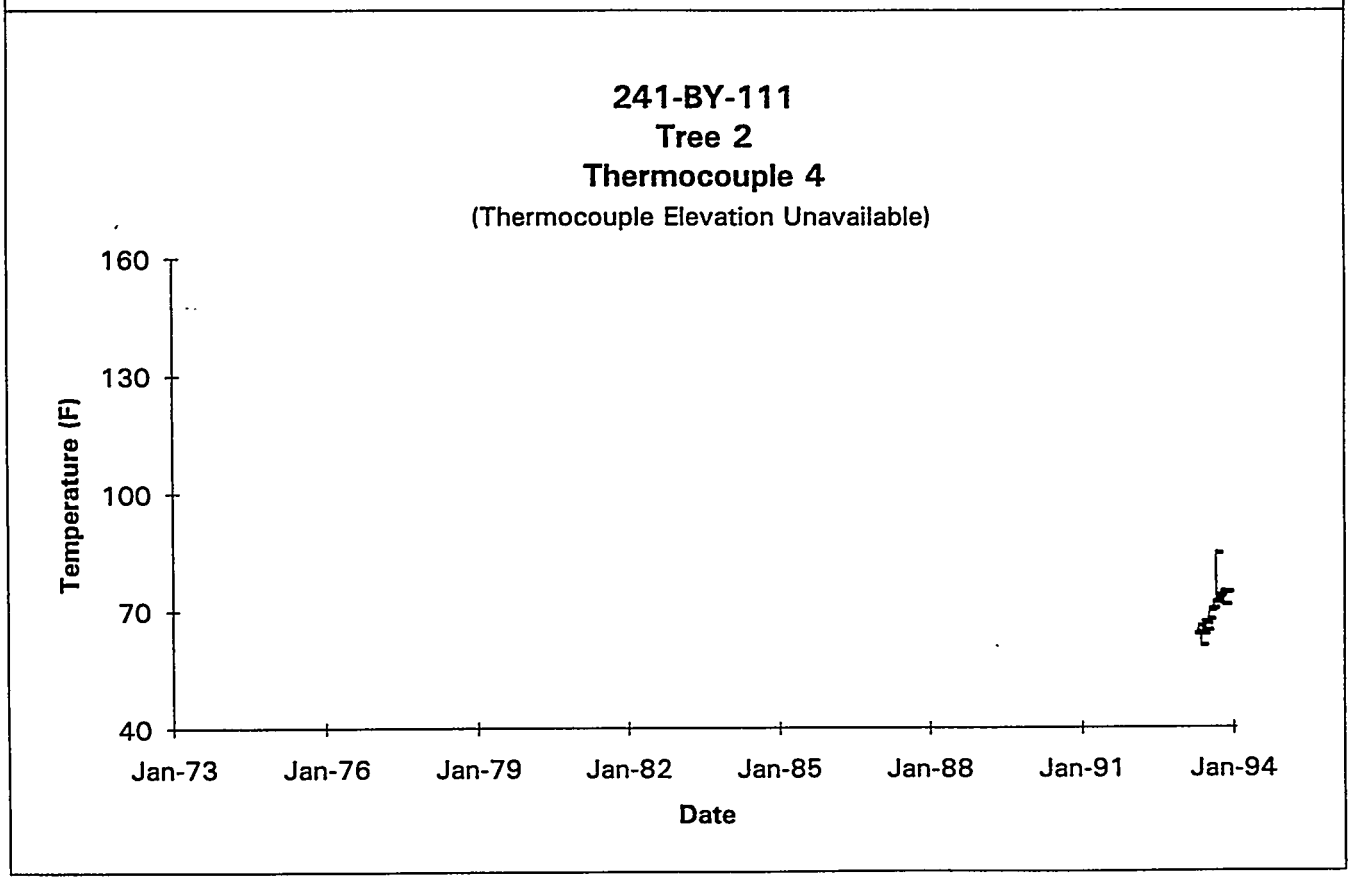
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.



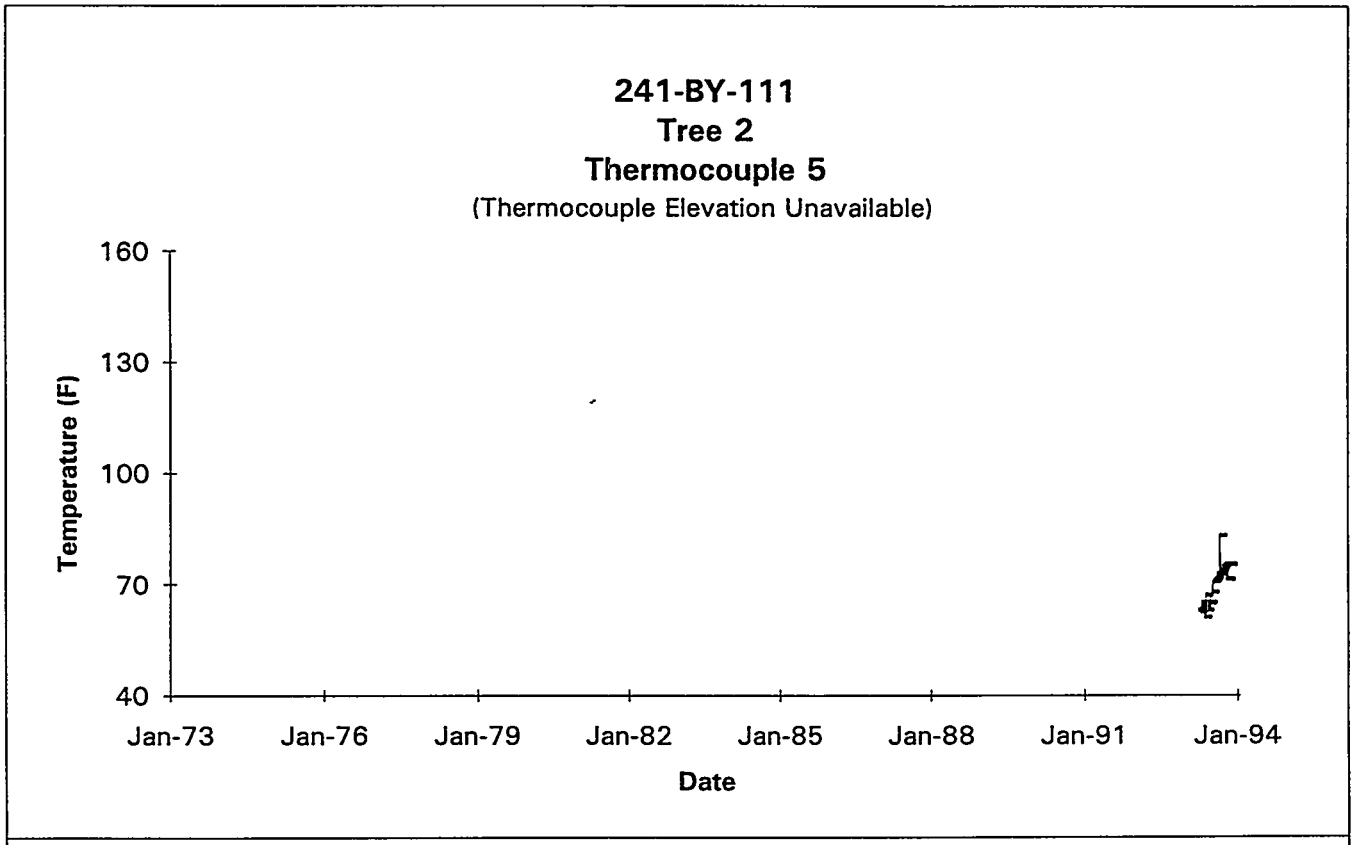


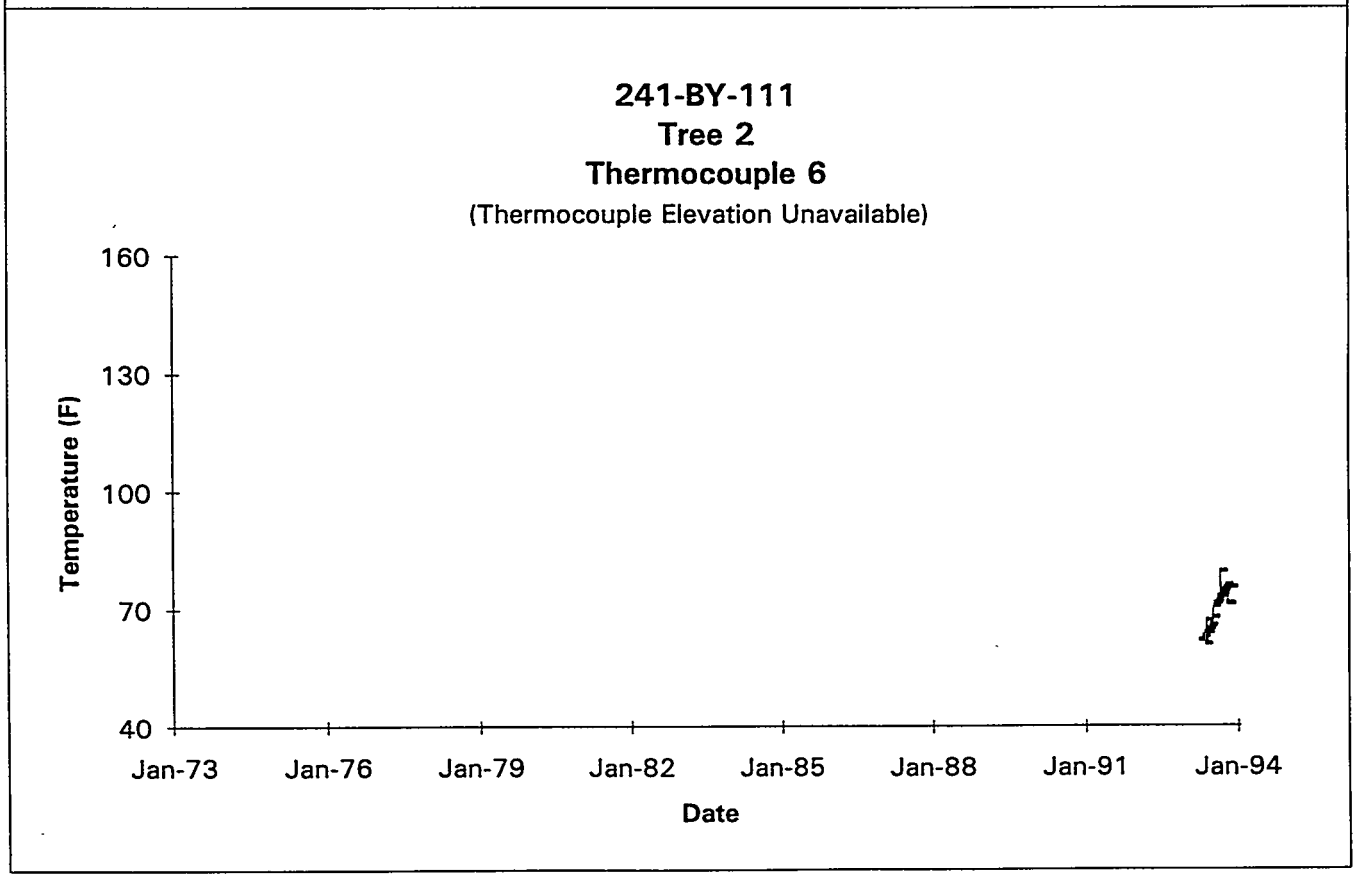
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.



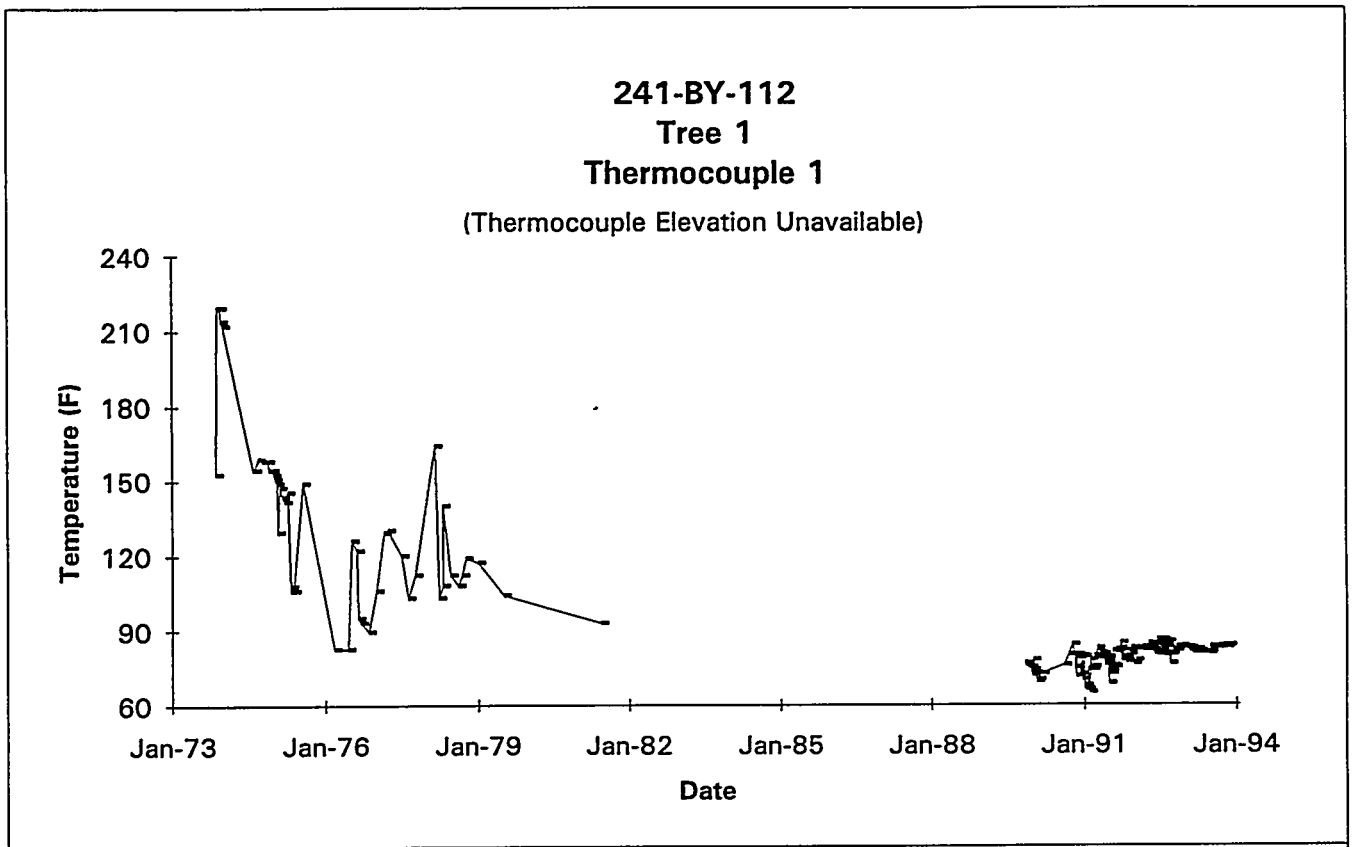


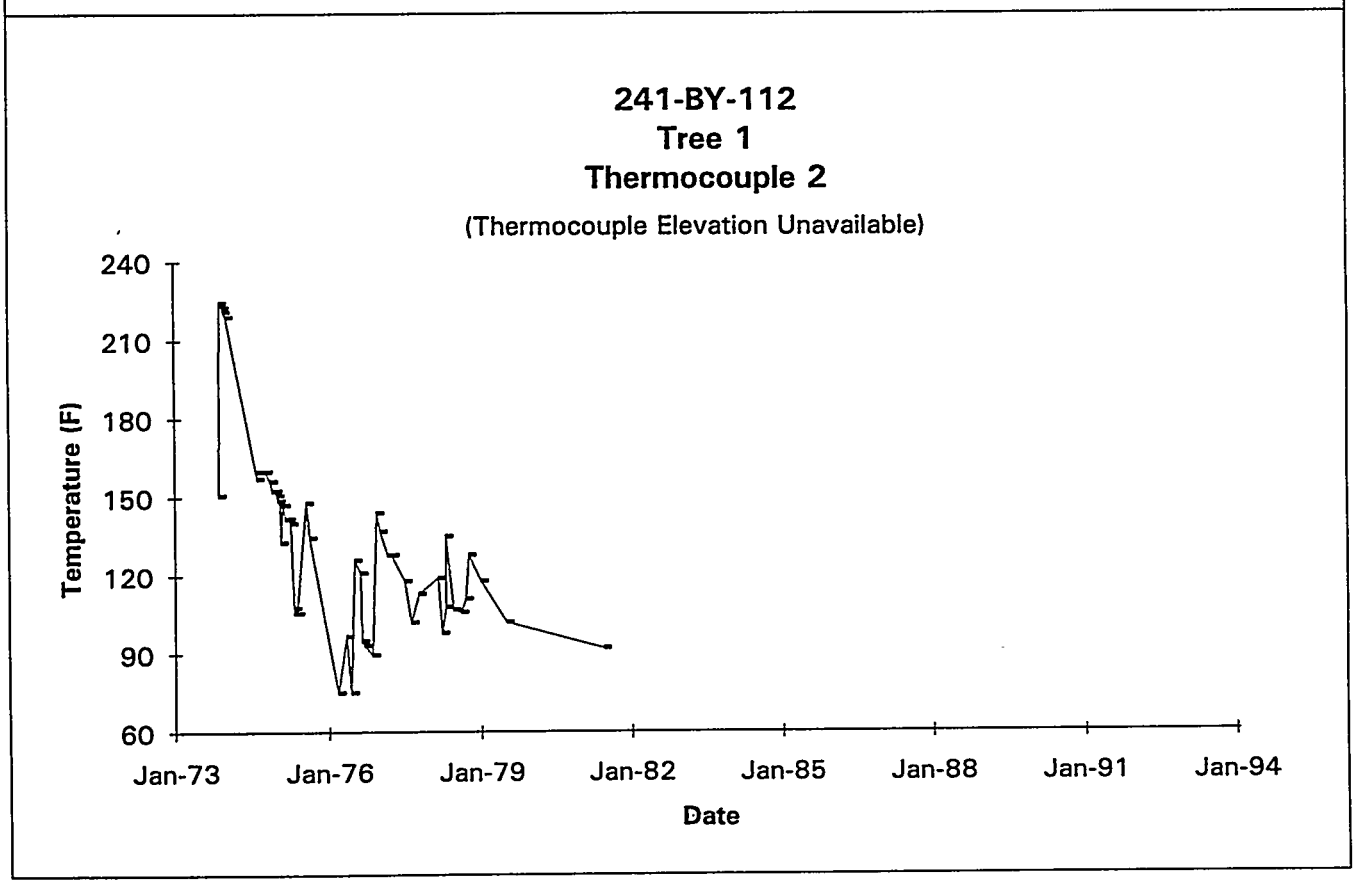
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.



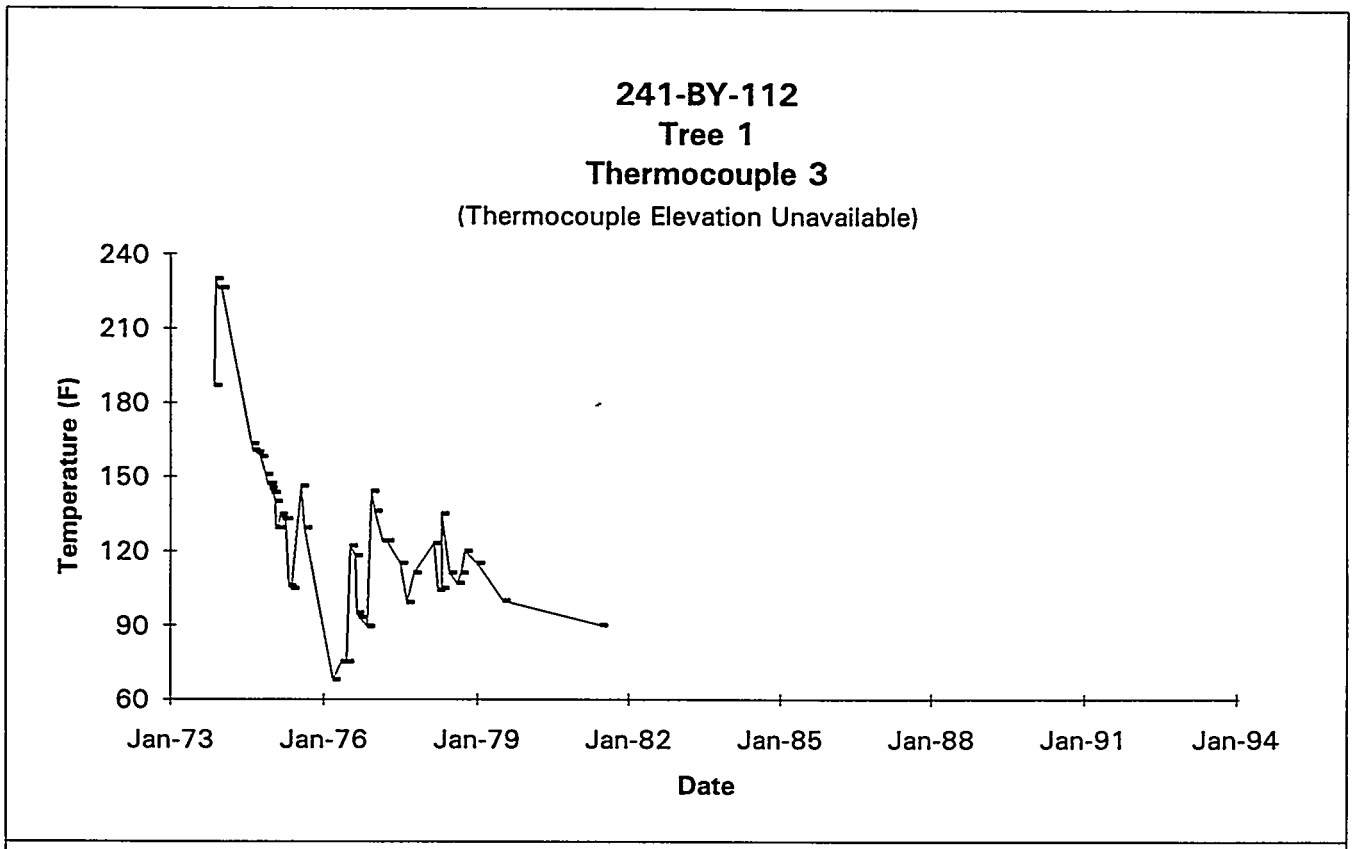


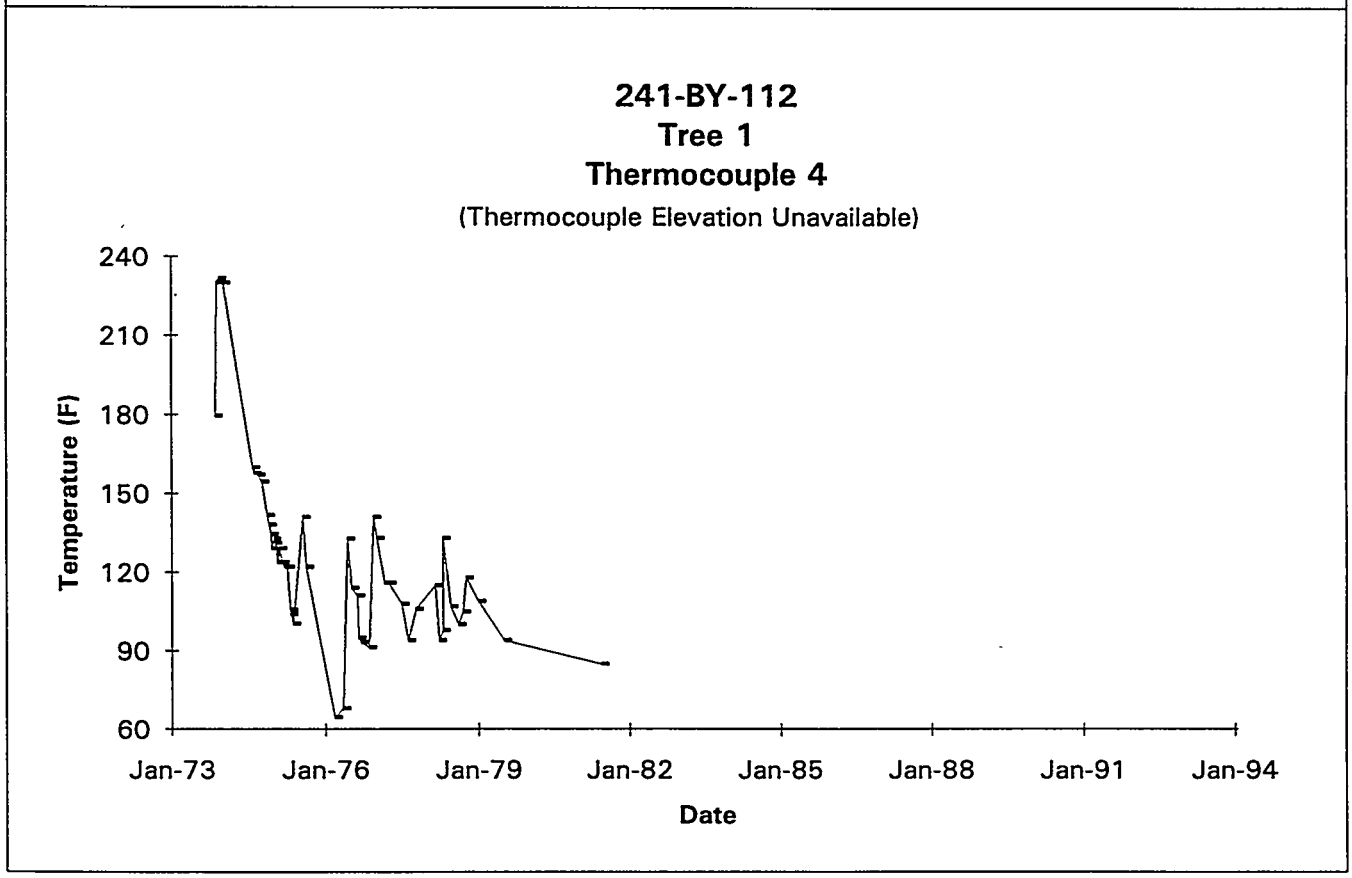
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.



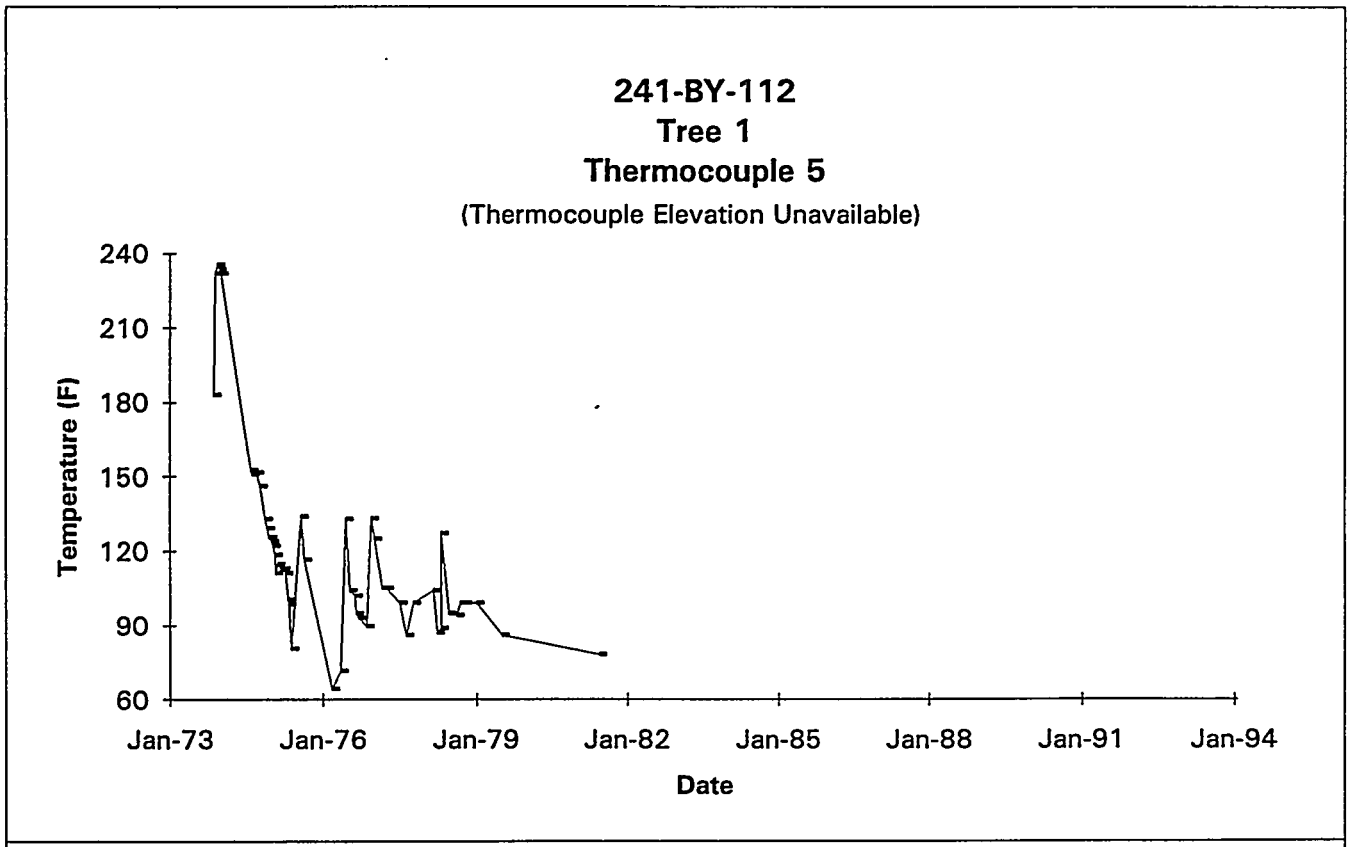


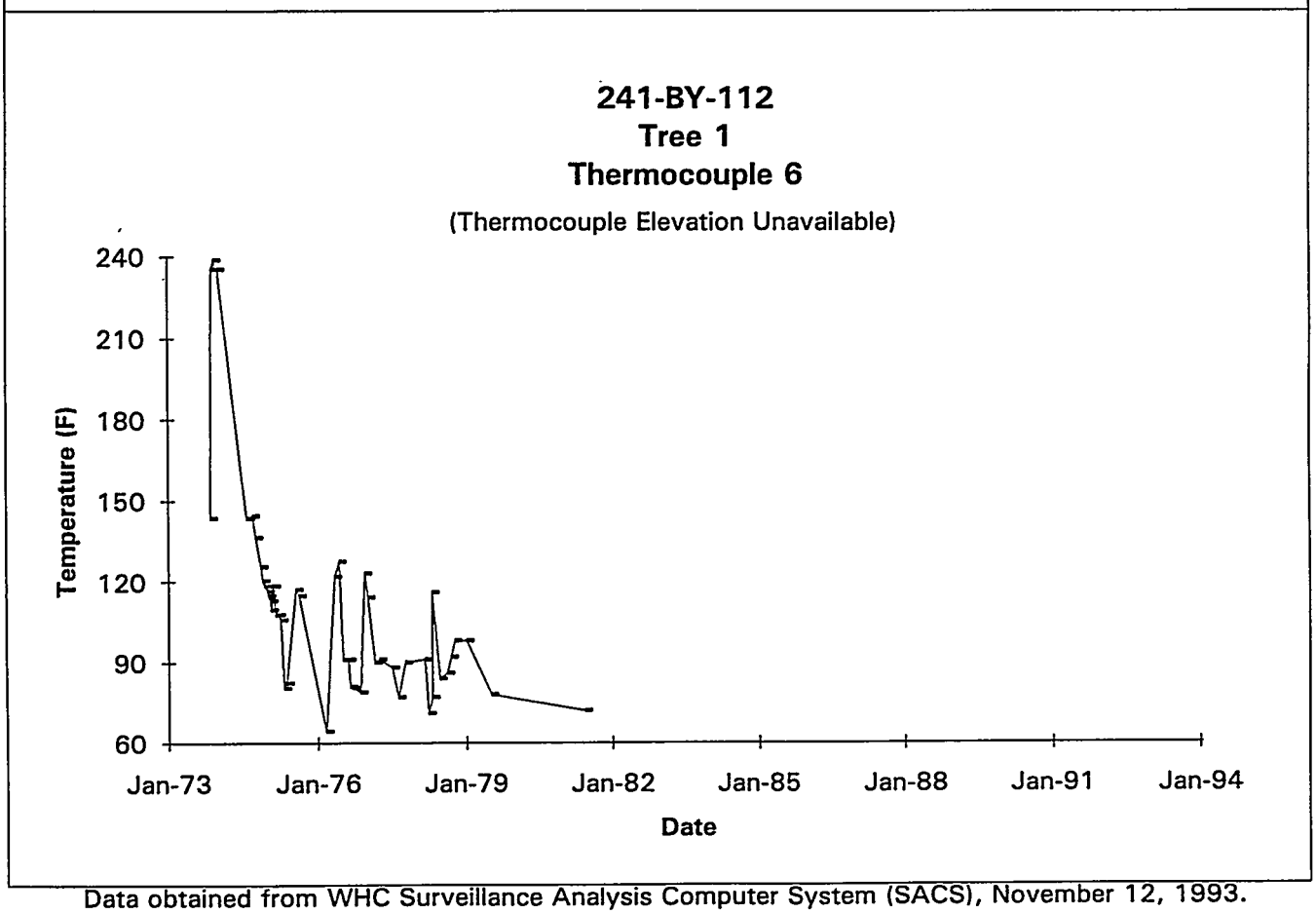
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.



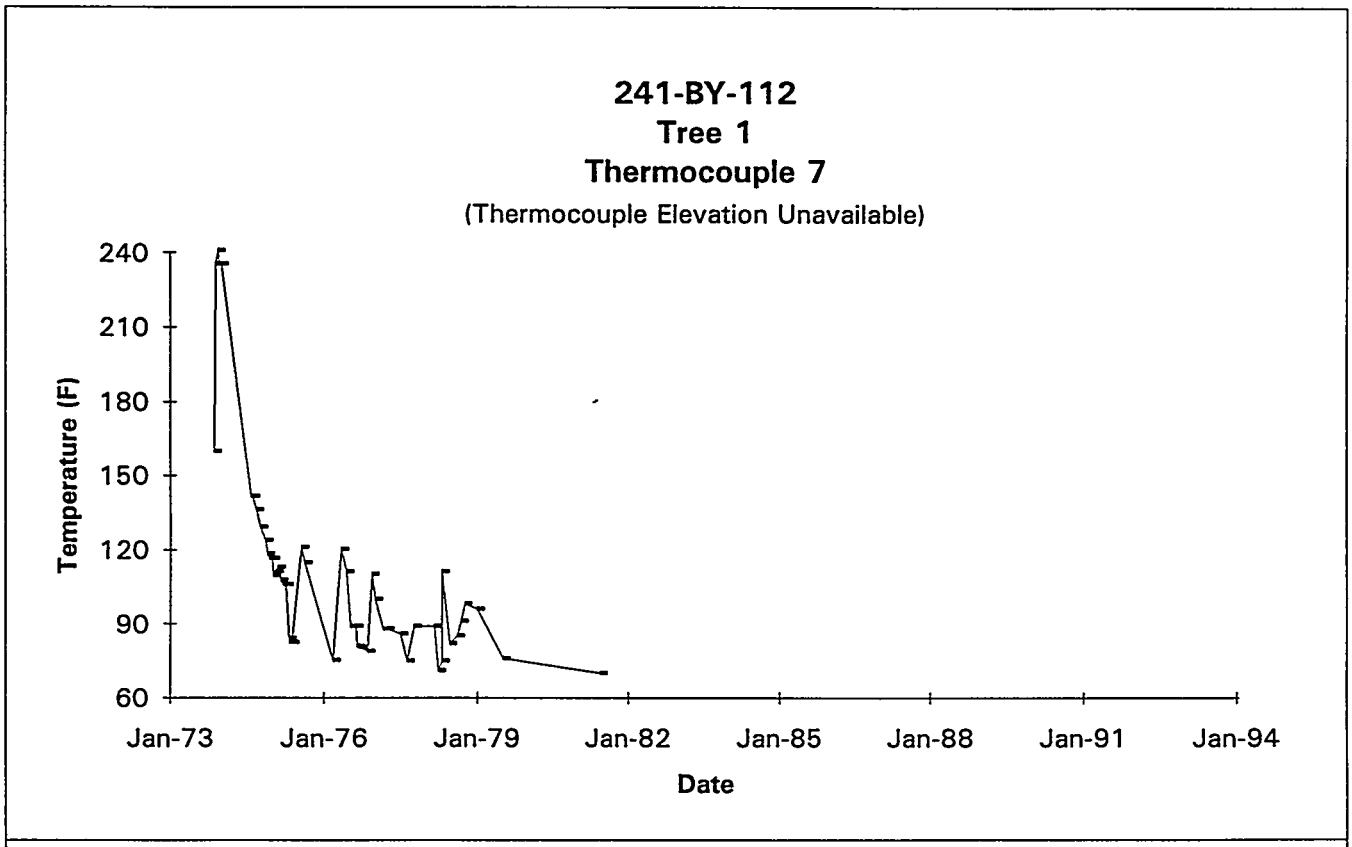


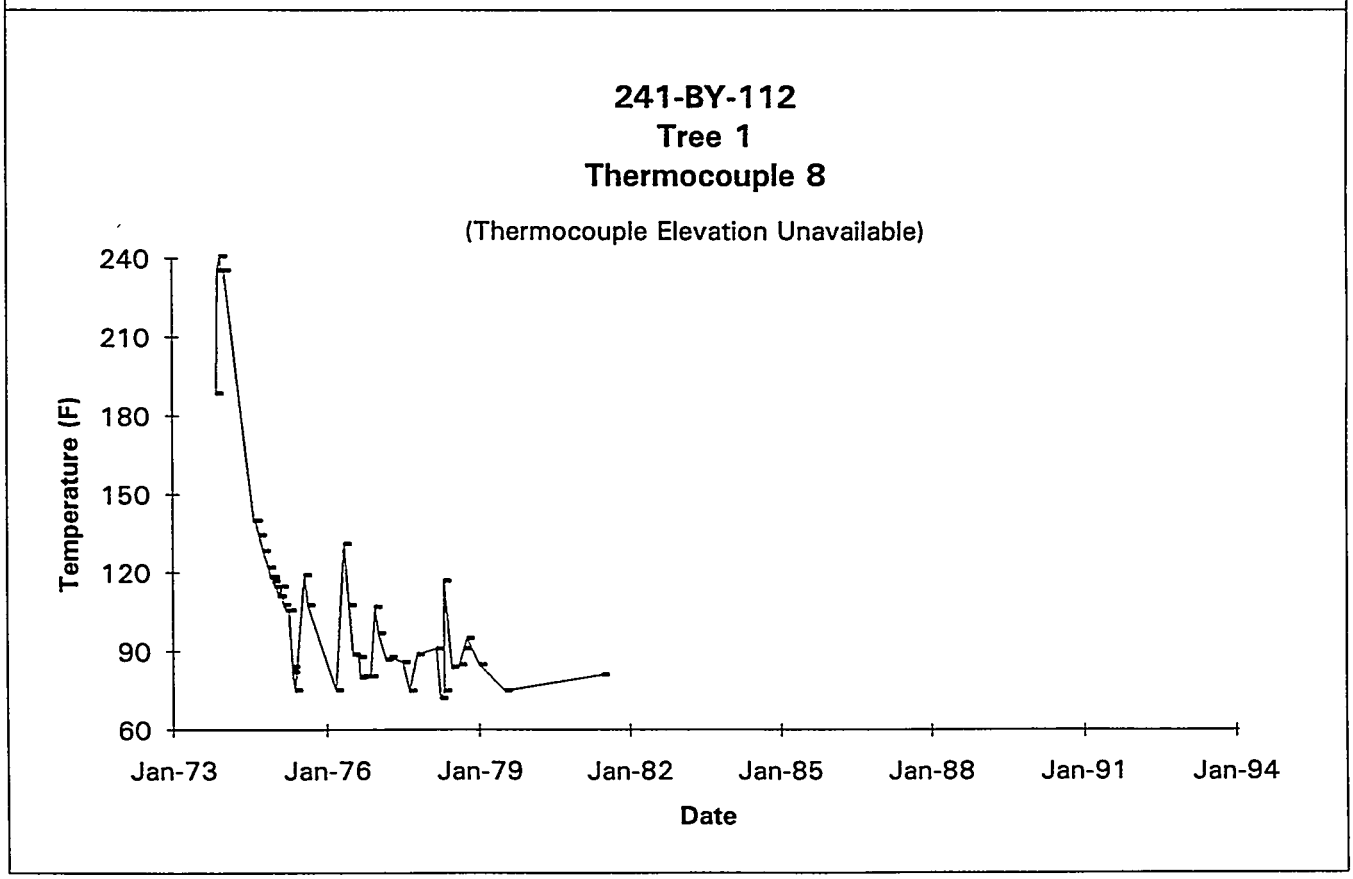
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.



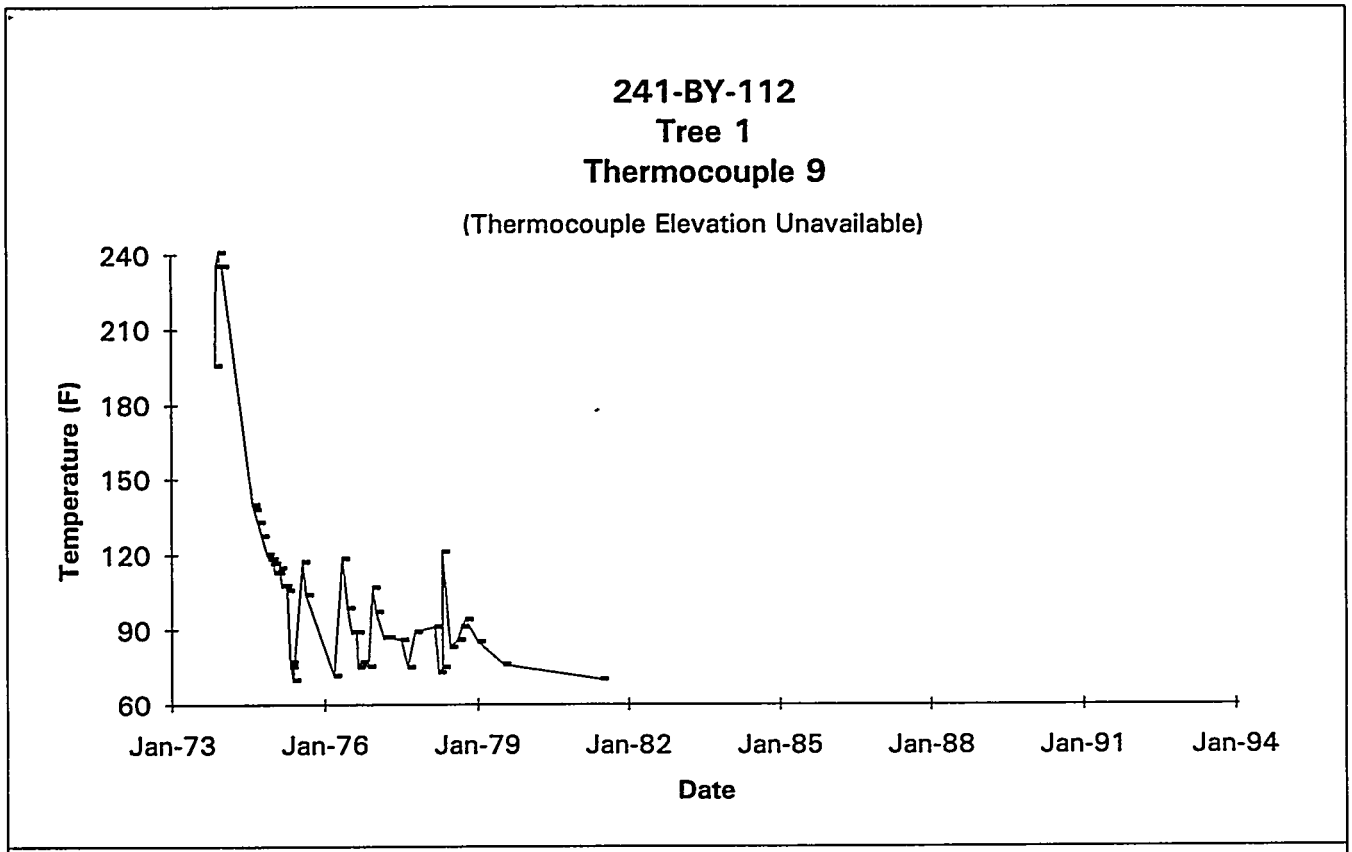


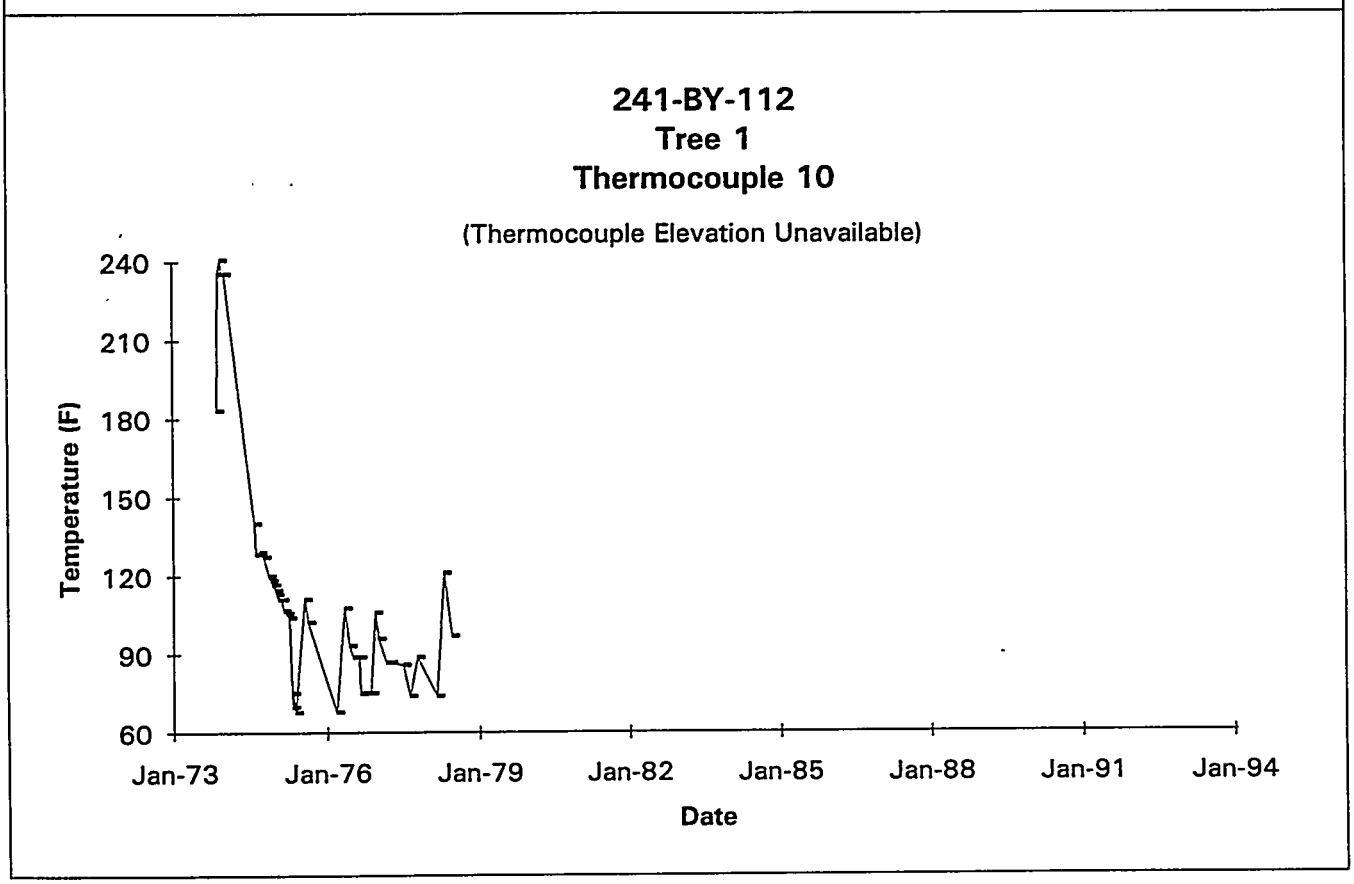
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.



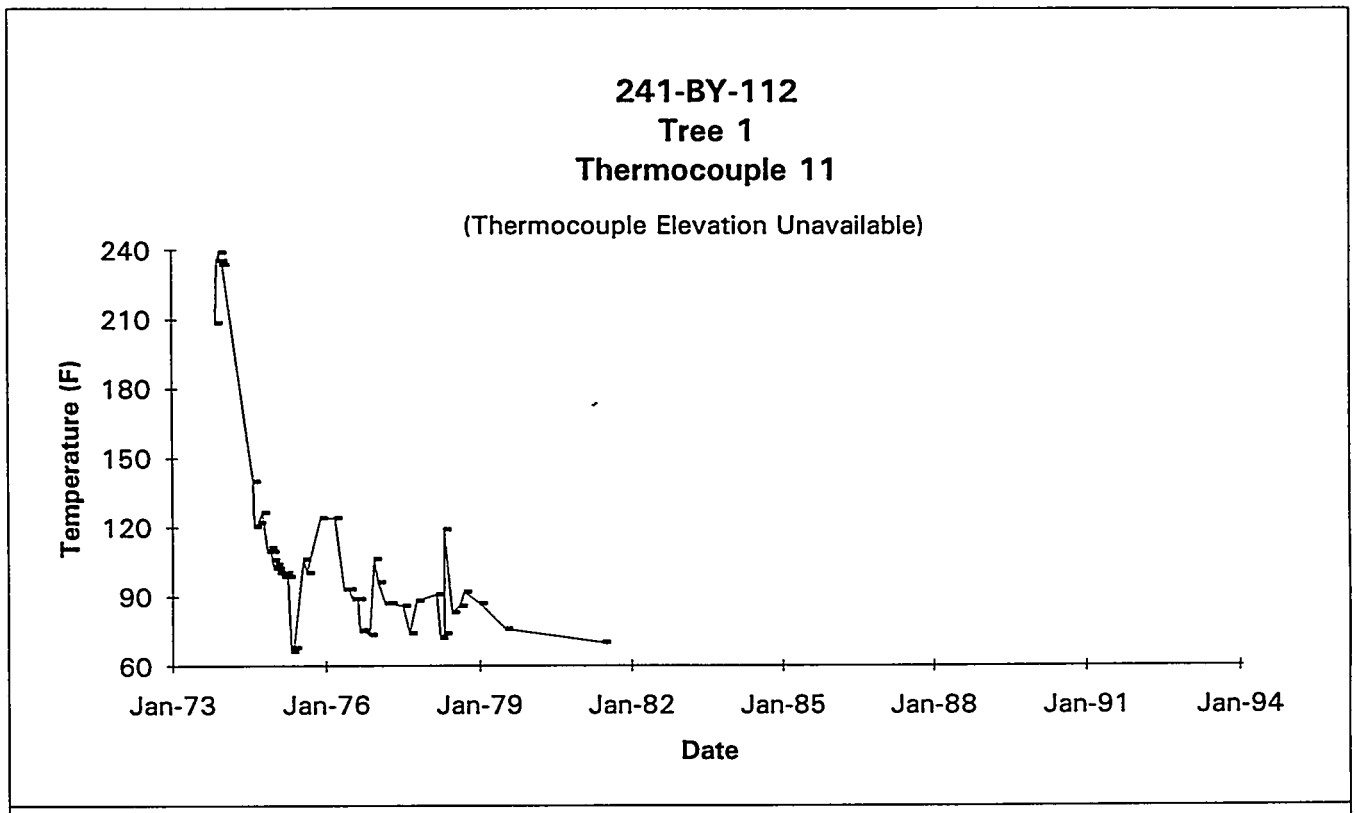


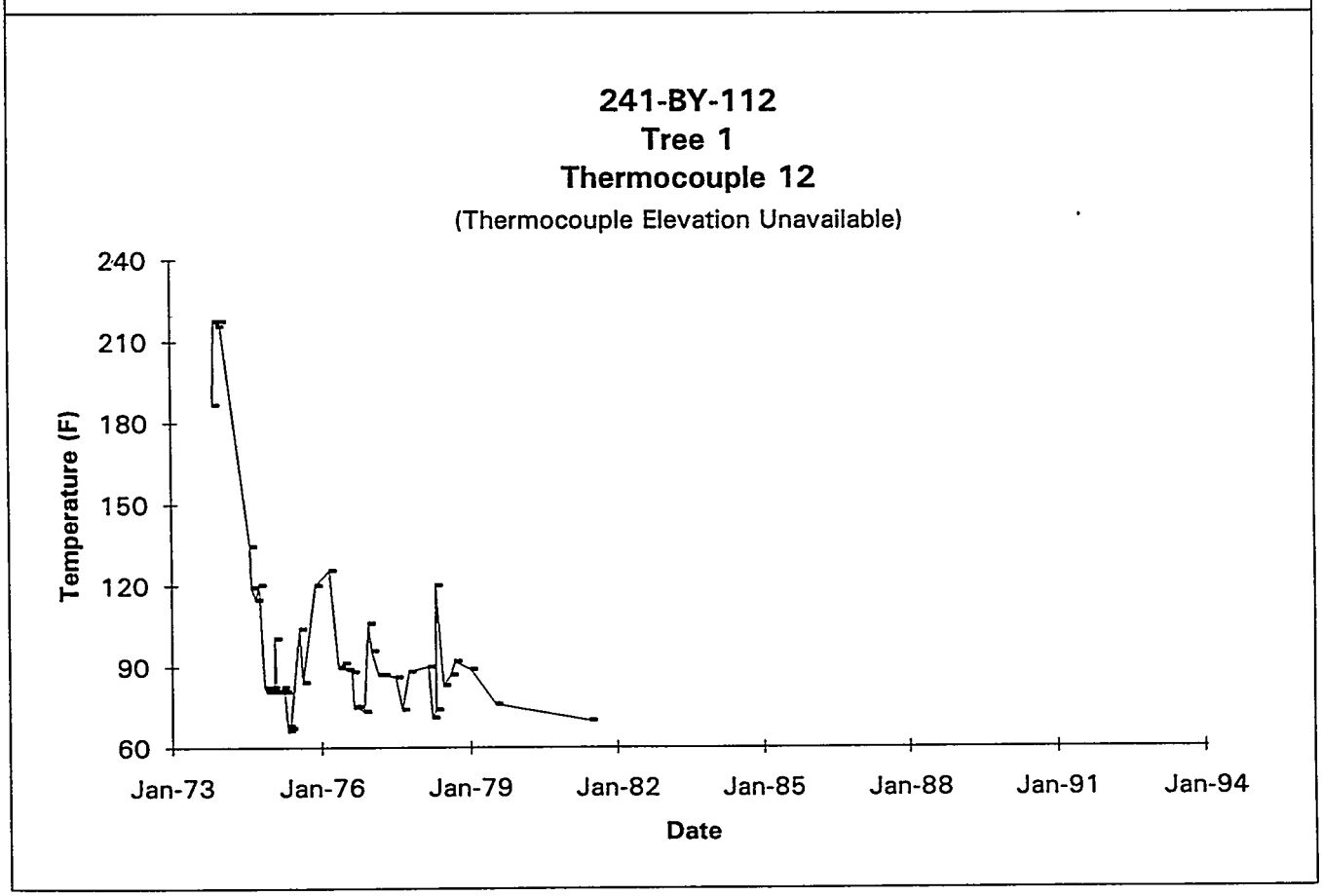
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.



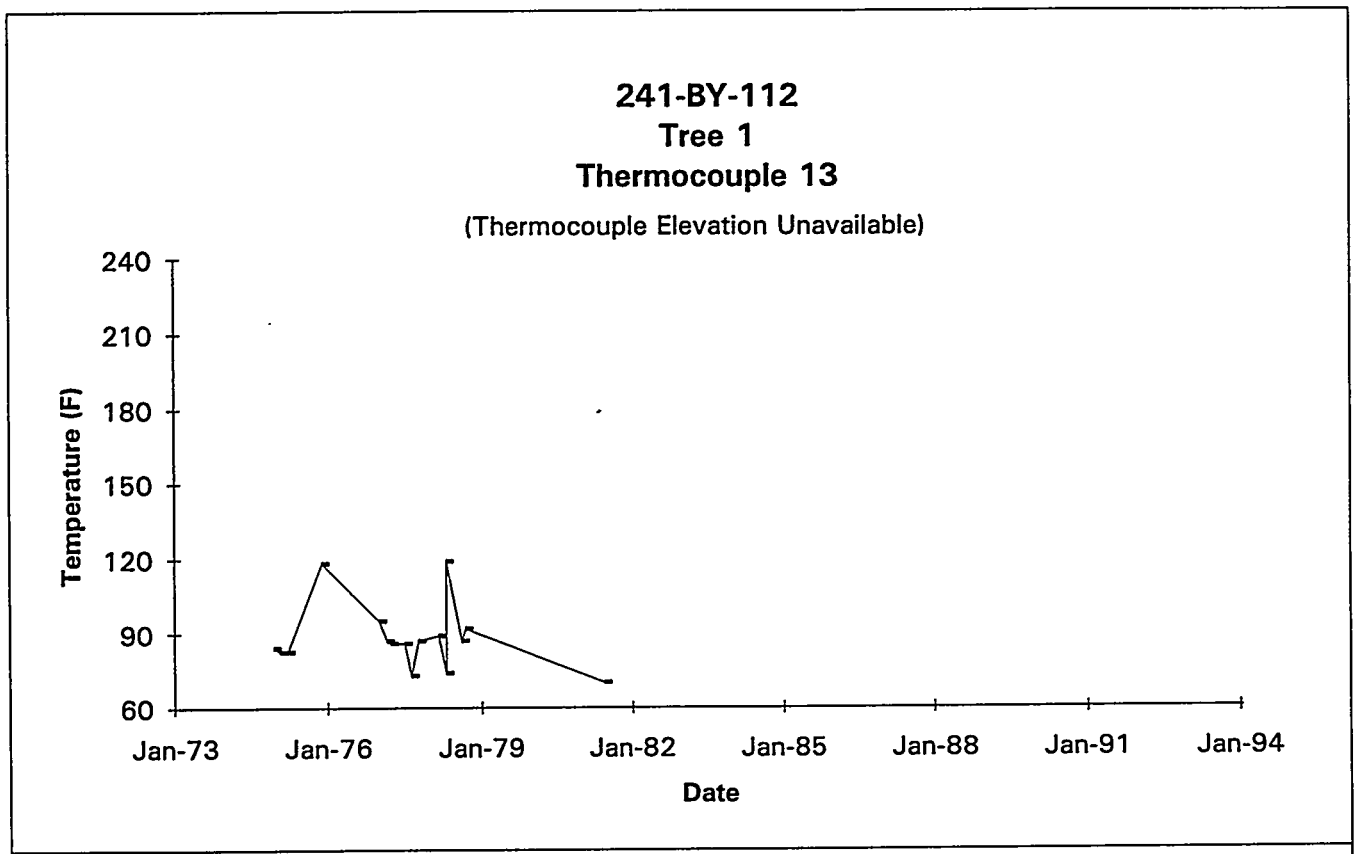


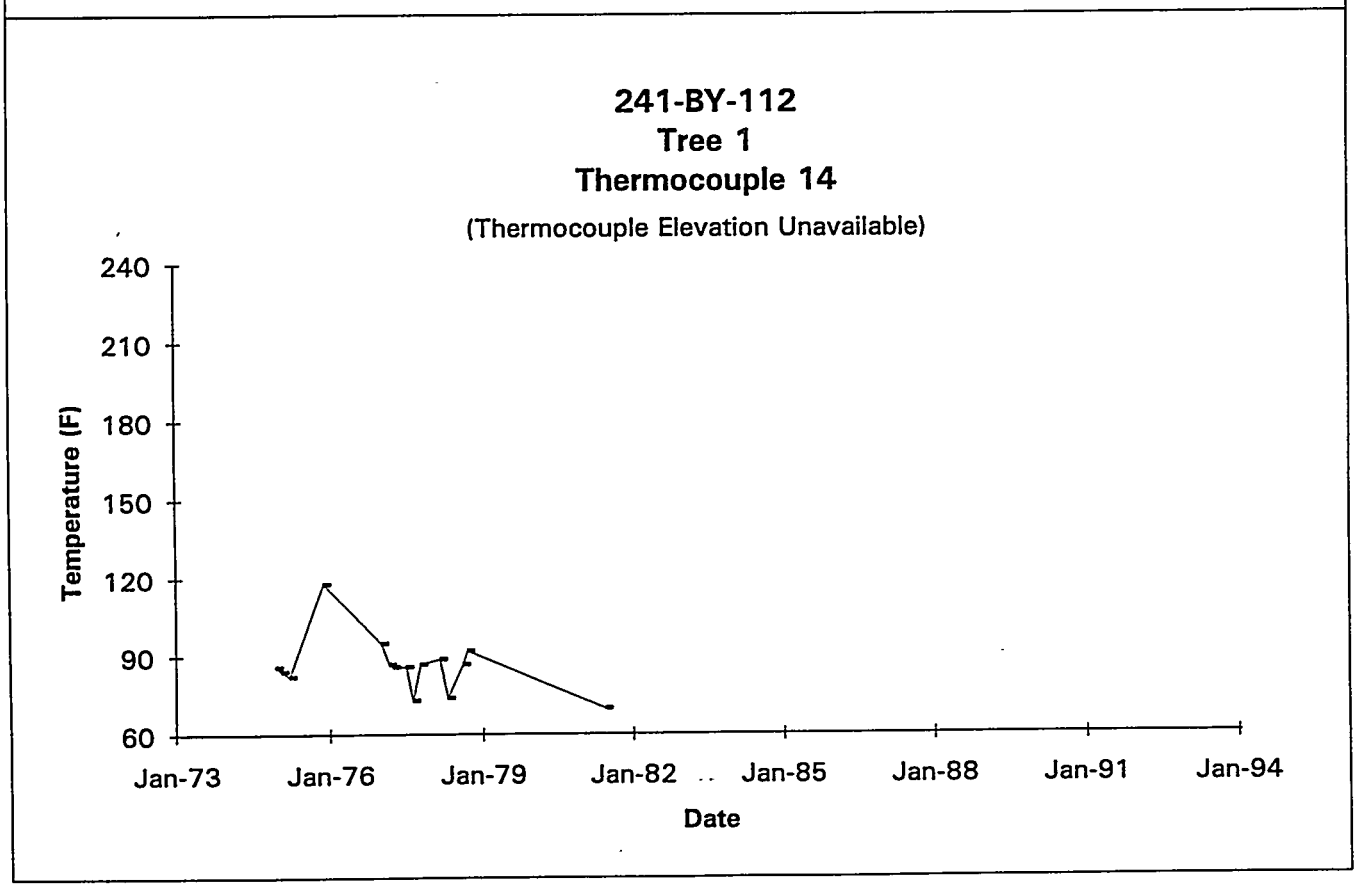
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.



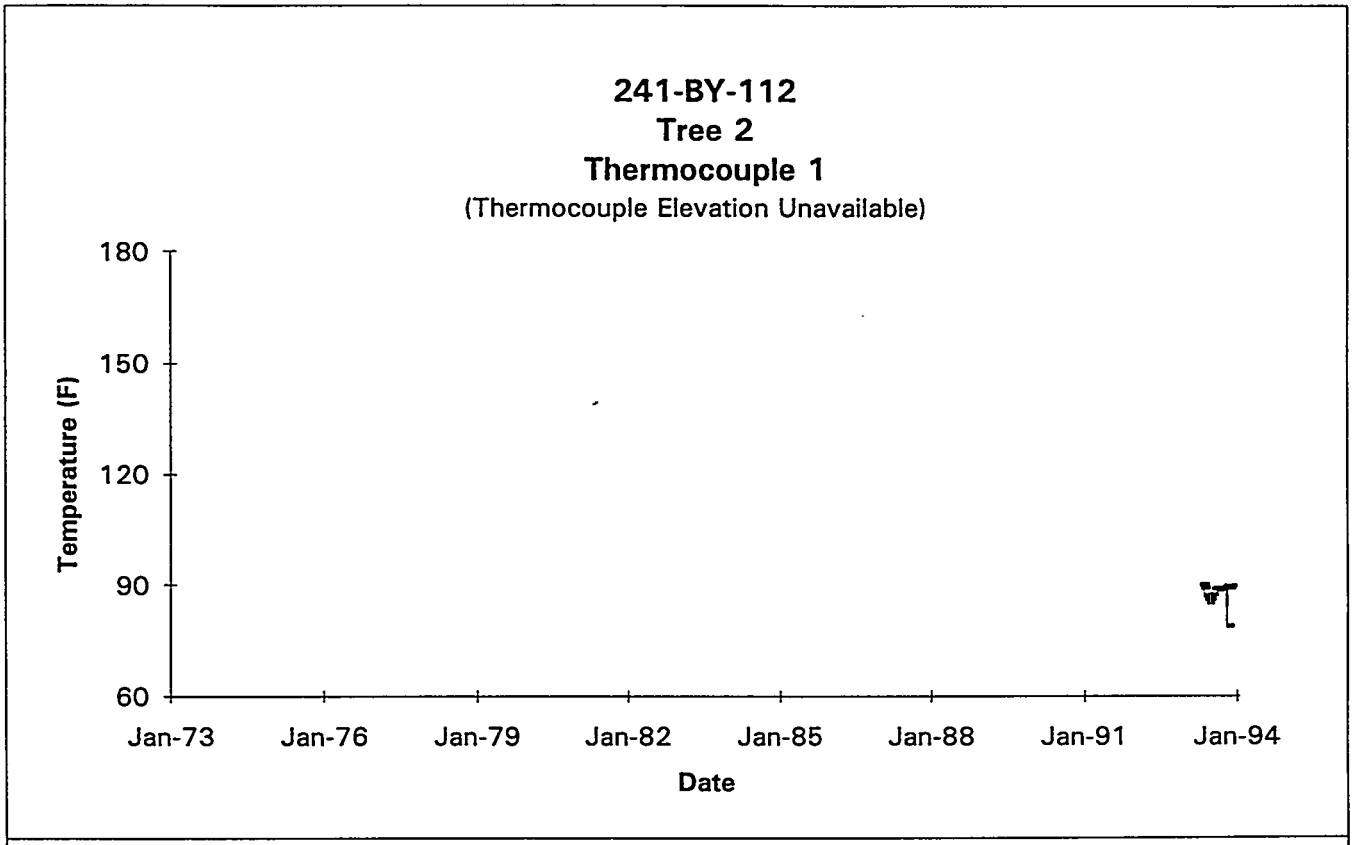


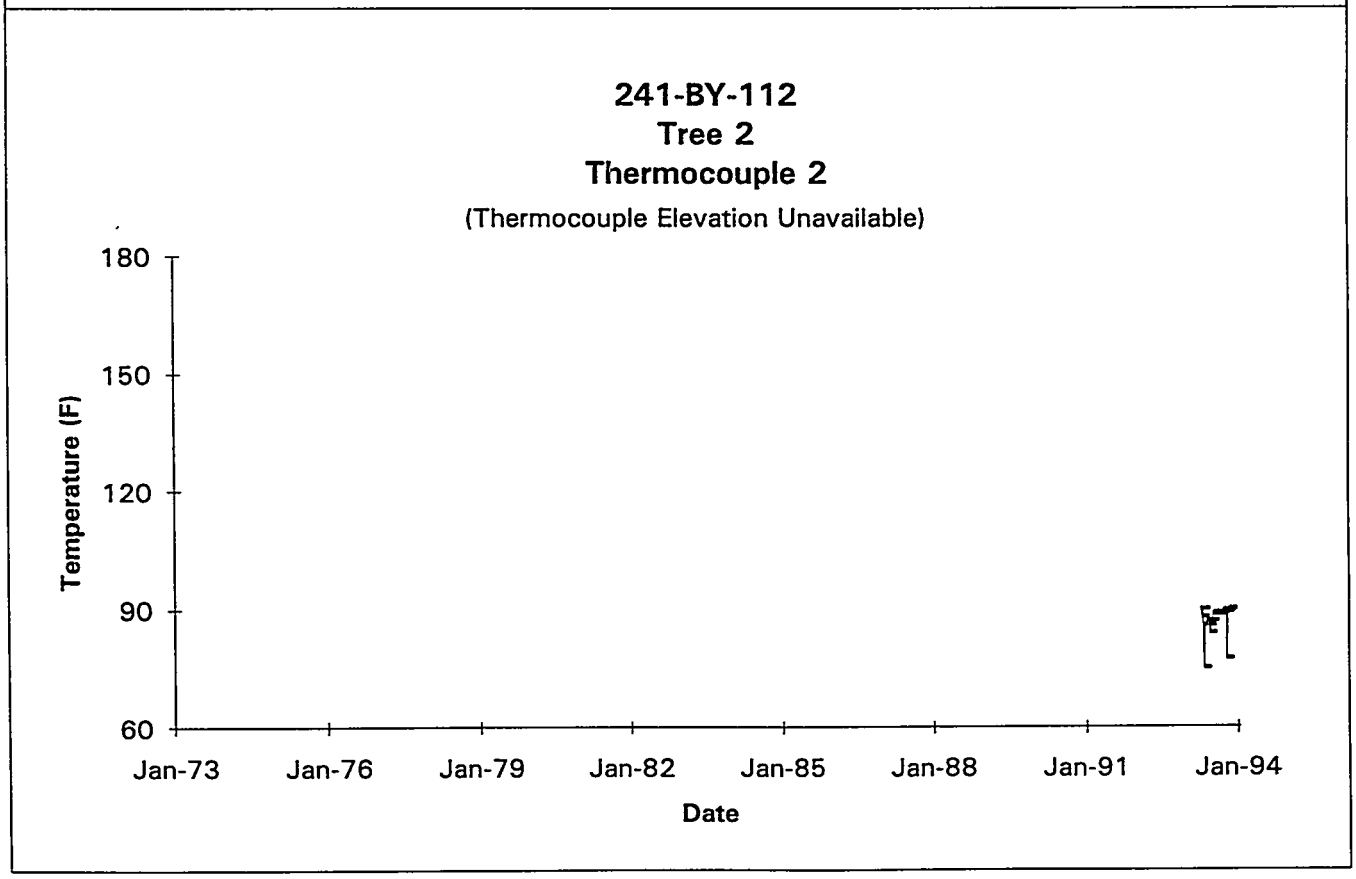
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.



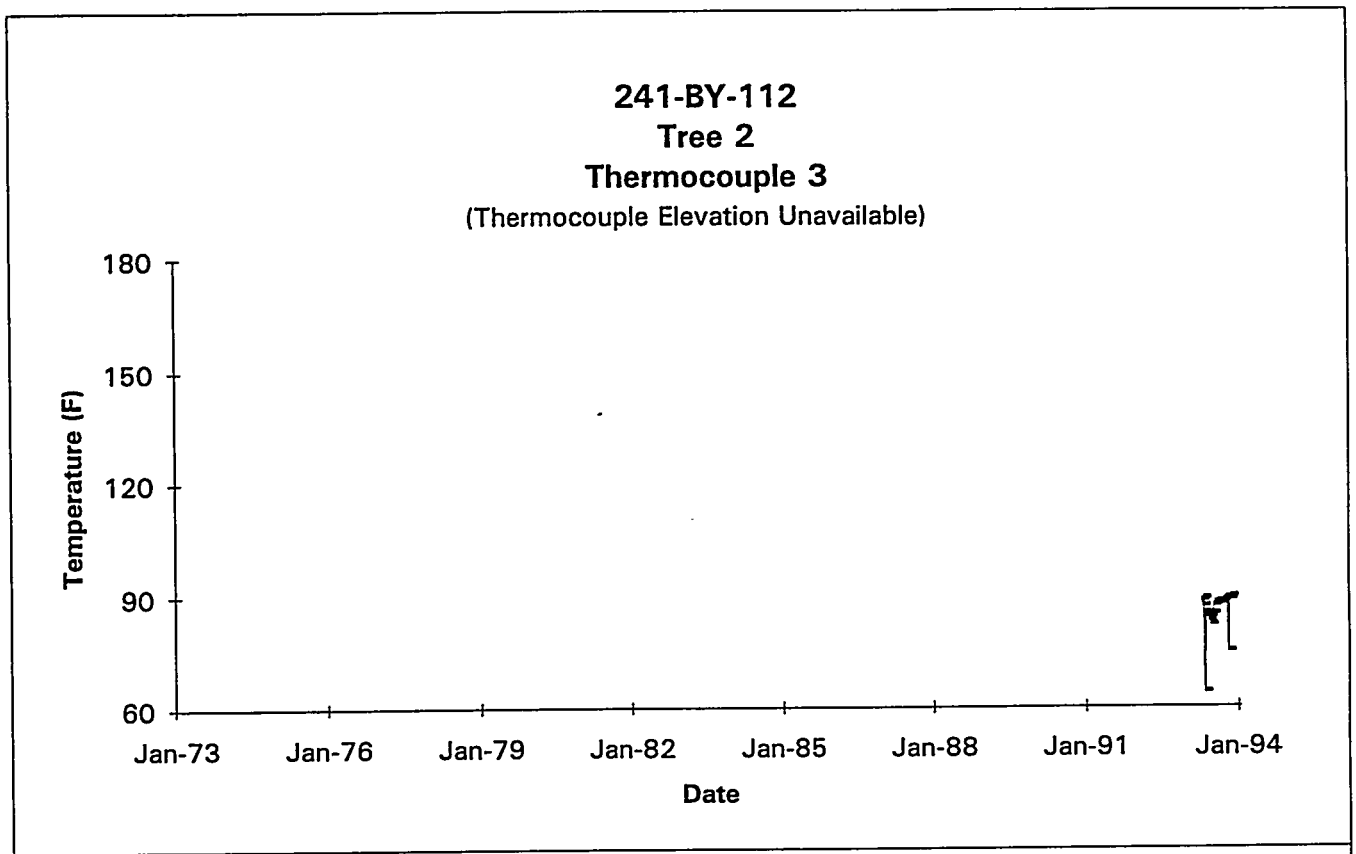


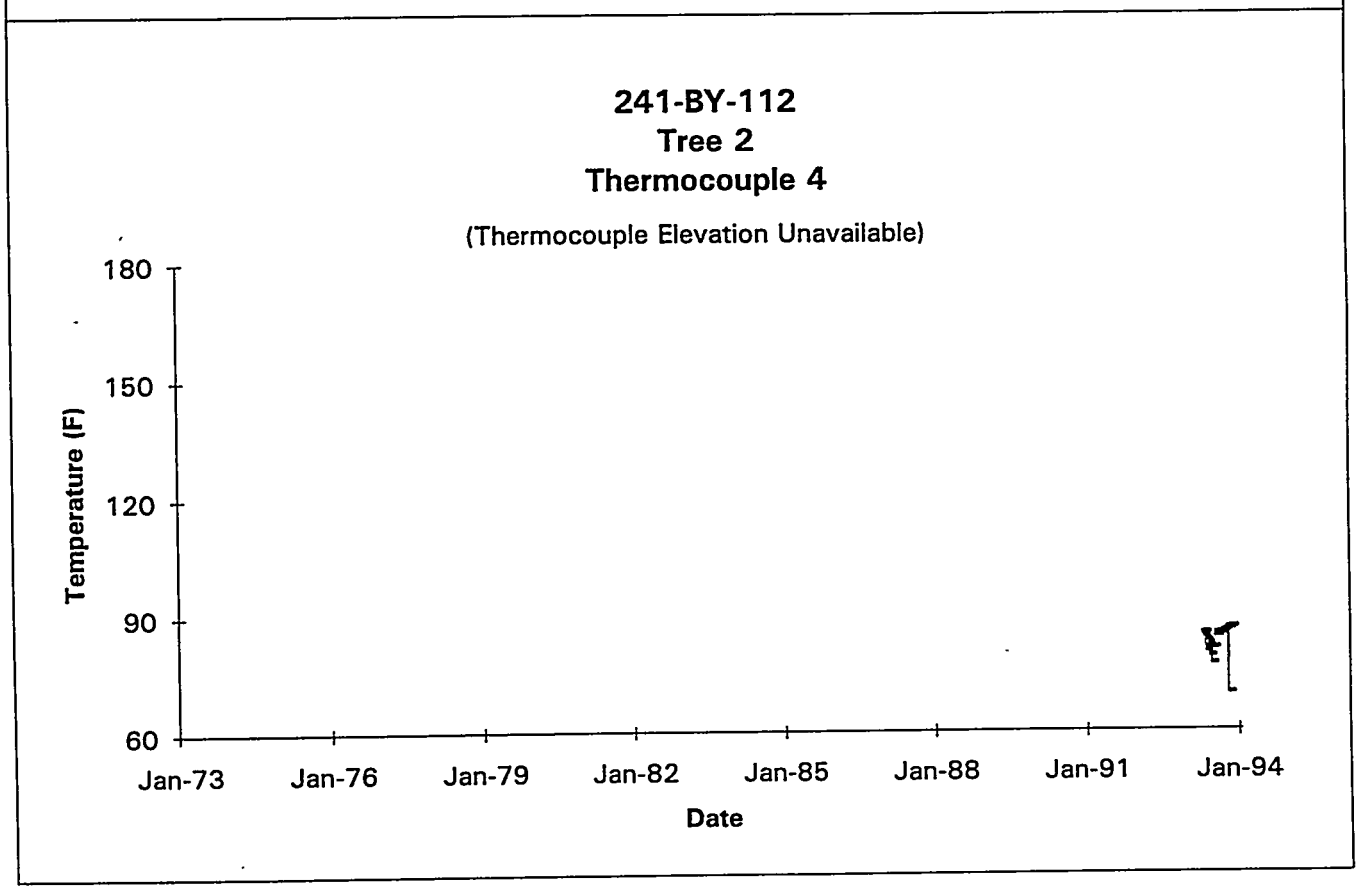
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.



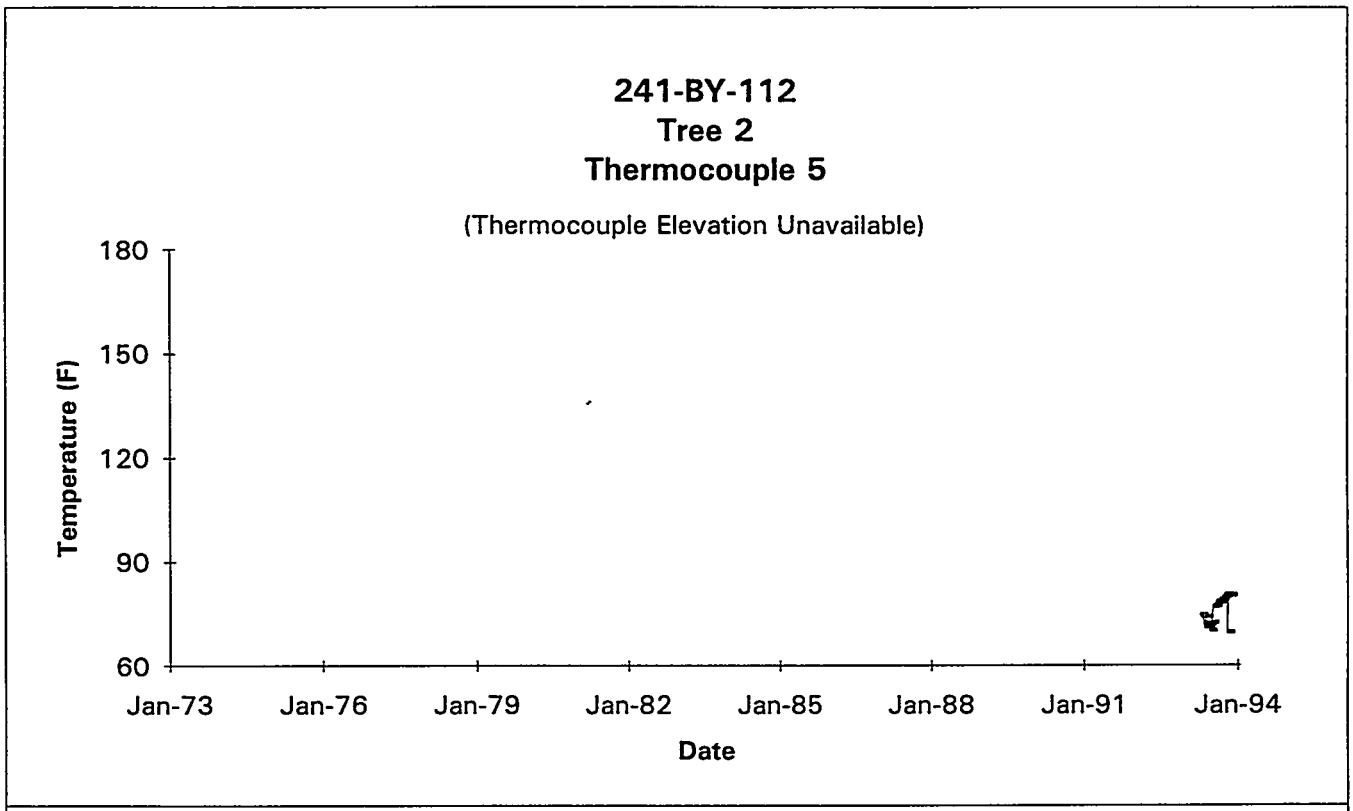


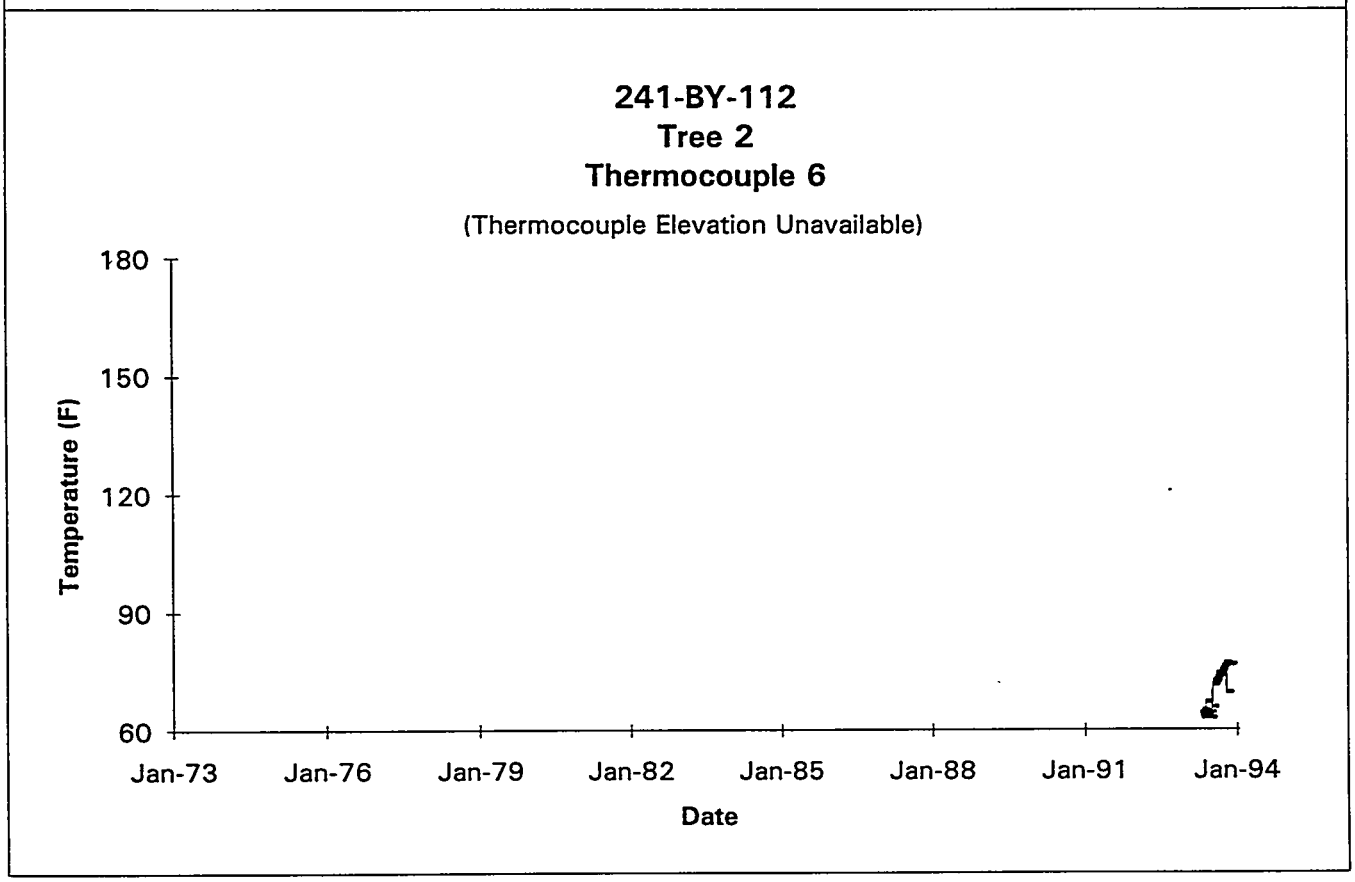
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.





Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.





Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	10/18/74	1	1	32	89.6	Y	degree C/TWINS confirm
1	10/18/74	2	1	31	87.8	N	degree C/TWINS confirm
1	10/18/74	3	1	32	89.6	Y	degree C/TWINS confirm
1	10/18/74	4	1	30	86	N	degree C/TWINS confirm
1	10/18/74	5	1	29	84.2	N	degree C/TWINS confirm
1	10/18/74	6	1	27	80.6	N	degree C/TWINS confirm
1	10/18/74	14	1	27	80.6	N	degree C/TWINS confirm
1	11/16/74	1	1	46.11	114.998	Y	degree C/TWINS confirm
1	11/16/74	2	1	46.11	114.998	Y	degree C/TWINS confirm
1	11/16/74	3	1	46.11	114.998	Y	degree C/TWINS confirm
1	11/16/74	5	1	43.33	109.994	N	degree C/TWINS confirm
1	11/16/74	6	1			N	12.78 - suspect data (low)
1	11/16/74	14	1	37.78	100.004	N	degree C/TWINS confirm
1	12/17/74	1	1	32.22	89.996	Y	degree C/TWINS confirm
1	12/17/74	2	1	31.67	89.006	N	degree C/TWINS confirm
1	12/17/74	3	1	30.56	87.008	N	degree C/TWINS confirm
1	12/17/74	5	1	28.89	84.002	N	degree C/TWINS confirm
1	12/17/74	6	1			N	14.44 - suspect data (low)
1	12/17/74	12	1	25.56	78.008	N	degree C/TWINS confirm
1	12/31/74	1	1	32.78	91.004	Y	degree C/TWINS confirm
1	12/31/74	2	1	32.22	89.996	N	degree C/TWINS confirm
1	12/31/74	3	1	31.67	89.006	N	degree C/TWINS confirm
1	12/31/74	5	1	30	86	N	degree C/TWINS confirm
1	12/31/74	6	1			N	10 - suspect data (low)
1	12/31/74	14	1	23.89	75.002	N	degree C/TWINS confirm
1	2/27/75	1	1		99	Y	
1	2/27/75	2	1		99	Y	
1	2/27/75	3	1		97	N	
1	2/27/75	5	1		93	N	
1	2/27/75	6	1			N	54 - suspect data (low)
1	2/27/75	14	1		79	N	
1	4/22/75	1	1	32	89.6	N	degree C/TWINS confirm
1	4/22/75	2	1	32	89.6	N	degree C/TWINS confirm
1	4/22/75	3	1	30	86	N	degree C/TWINS confirm
1	4/22/75	4	1	34	93.2	Y	degree C/TWINS confirm
1	4/22/75	5	1	28	82.4	N	degree C/TWINS confirm
1	4/22/75	6	1	31	87.8	N	degree C/TWINS confirm
1	4/22/75	12	1	18	64.4	N	degree C/TWINS confirm
1	5/20/75	1	1	32	89.6	Y	degree C/TWINS confirm
1	5/20/75	2	1	32	89.6	Y	degree C/TWINS confirm
1	5/20/75	3	1	31	87.8	N	degree C/TWINS confirm
1	5/20/75	4	1	31	87.8	N	degree C/TWINS confirm
1	5/20/75	5	1	30	86	N	degree C/TWINS confirm
1	5/20/75	6	1	28	82.4	N	degree C/TWINS confirm
1	5/20/75	14	1	21	69.8	N	degree C/TWINS confirm
1	7/28/75	1	1		91	Y	
1	7/28/75	2	1		90	N	
1	7/28/75	3	1		89	N	
1	7/28/75	5	1		86	N	
1	7/28/75	6	1		85	N	
1	7/28/75	7	1		83	N	
1	7/28/75	8	1		82	N	
1	7/28/75	9	1		81	N	
1	7/28/75	10	1		81	N	
1	7/28/75	11	1		79	N	
1	7/28/75	12	1		77	N	
1	7/28/75	13	1		77	N	
1	7/28/75	14	1		77	N	
1	8/21/75	1	1		90	Y	
1	8/21/75	2	1		89	N	
1	8/21/75	3	1		88	N	
1	8/21/75	5	1		86	N	
1	8/21/75	6	1		84	N	
1	8/21/75	14	1		76	N	
1	8/26/75	1	1		90	Y	
1	8/26/75	2	1		89	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101 THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/26/75	3	1		88	N	
1	8/26/75	5	1		86	N	
1	8/26/75	6	1		84	N	
1	8/26/75	7	1		82	N	
1	8/26/75	8	1		81	N	
1	8/26/75	9	1		80	N	
1	8/26/75	10	1		80	N	
1	8/26/75	11	1		78	N	
1	8/26/75	12	1		76	N	
1	8/26/75	13	1		76	N	
1	8/26/75	14	1		76	N	
1	11/21/75	1	1		93	Y	
1	11/21/75	2	1		93	Y	
1	11/21/75	3	1		92	N	
1	11/21/75	5	1		91	N	
1	11/21/75	6	1		91	N	
1	11/21/75	7	1		90	N	
1	11/21/75	8	1		88	N	
1	11/21/75	9	1		87	N	
1	11/21/75	10	1		87	N	
1	11/21/75	11	1		82	N	
1	11/21/75	12	1		78	N	
1	1/7/76	1	1		97	Y	
1	1/7/76	2	1		97	Y	
1	1/7/76	3	1		96	N	
1	1/7/76	5	1		94	N	
1	1/7/76	6	1		93	N	
1	1/7/76	7	1		91	N	
1	1/7/76	8	1		89	N	
1	1/7/76	9	1		88	N	
1	1/7/76	10	1		88	N	
1	1/7/76	11	1		83	N	
1	1/7/76	12	1		80	N	
1	1/7/76	13	1		79	N	
1	1/7/76	14	1		79	N	
1	3/4/76	1	1		95	Y	
1	3/4/76	2	1		94	N	
1	3/4/76	3	1		93	N	
1	3/4/76	5	1		90	N	
1	3/4/76	6	1		87	N	
1	3/4/76	7	1		83	N	
1	3/4/76	8	1		81	N	
1	3/4/76	9	1		81	N	
1	3/4/76	10	1		81	N	
1	3/4/76	11	1		78	N	
1	3/4/76	12	1		76	N	
1	3/4/76	13	1		75	N	
1	3/4/76	14	1		76	N	
1	5/7/76	1	1		85	Y	
1	5/7/76	2	1		84	N	
1	5/7/76	3	1		84	N	
1	5/7/76	5	1		79	N	
1	5/7/76	6	1		75	N	
1	5/7/76	7	1		72	N	
1	5/7/76	8	1		70	N	
1	5/7/76	9	1		69	N	
1	5/7/76	10	1		69	N	
1	5/7/76	11	1		67	N	
1	5/7/76	12	1		66	N	
1	5/7/76	13	1		66	N	
1	5/7/76	14	1		66	N	
1	6/7/76	1	1		87	Y	
1	6/7/76	2	1		86	N	
1	6/7/76	3	1		85	N	
1	6/7/76	5	1		81	N	
1	6/7/76	6	1		78	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	6/7/76	7	1		76	N	
1	6/7/76	8	1		74	N	
1	6/7/76	9	1		74	N	
1	6/7/76	10	1		73	N	
1	6/7/76	11	1		72	N	
1	6/7/76	12	1		72	N	
1	6/7/76	14	1		72	N	
1	6/9/76	2	1		93	Y	
1	6/9/76	3	1		92	N	
1	6/9/76	5	1		88	N	
1	6/9/76	6	1		85	N	
1	6/9/76	7	1		82	N	
1	6/9/76	8	1		80	N	
1	6/9/76	9	1		79	N	
1	6/9/76	10	1		79	N	
1	6/9/76	11	1		77	N	
1	6/9/76	12	1		76	N	
1	6/9/76	13	1		76	N	
1	6/9/76	14	1		76	N	
1	7/7/76	1	1		87	Y	
1	7/7/76	2	1		86	N	
1	7/7/76	3	1		85	N	
1	7/7/76	5	1		81	N	
1	7/7/76	6	1		78	N	
1	7/7/76	14	1		72	N	
1	8/14/76	1	1		88	Y	
1	8/14/76	2	1		85	N	
1	8/14/76	3	1		86	N	
1	8/14/76	5	1		81	N	
1	8/14/76	6	1		79	N	
1	8/14/76	7	1		77	N	
1	8/14/76	8	1		76	N	
1	8/14/76	9	1		76	N	
1	8/14/76	10	1		75	N	
1	8/14/76	11	1		75	N	
1	8/14/76	12	1		74	N	
1	9/13/76	1	1		88	Y	
1	9/13/76	2	1		87	N	
1	9/13/76	3	1		86	N	
1	9/13/76	5	1		84	N	
1	9/13/76	6	1		81	N	
1	9/13/76	7	1		80	N	
1	9/13/76	8	1		78	N	
1	9/13/76	9	1		78	N	
1	9/13/76	10	1		77	N	
1	9/13/76	11	1		77	N	
1	9/13/76	12	1		76	N	
1	11/7/76	1	1		89	Y	
1	11/7/76	2	1		89	N	
1	11/7/76	3	1		89	N	
1	11/7/76	5	1		87	N	
1	11/7/76	6	1		86	N	
1	11/7/76	7	1		85	N	
1	11/7/76	8	1		83	N	
1	11/7/76	9	1		81	N	
1	11/7/76	10	1		76	N	
1	11/7/76	11	1		76	N	
1	11/7/76	12	1		76	N	
1	12/9/76	1	1		103	Y	
1	12/9/76	2	1		102	N	
1	12/9/76	3	1		102	N	
1	12/9/76	5	1		100	N	
1	12/9/76	6	1		99	N	
1	12/9/76	7	1		98	N	
1	12/9/76	8	1		95	N	
1	12/9/76	9	1		92	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/9/76	10	1		87	N	
1	12/9/76	11	1		86	N	
1	12/9/76	12	1		86	N	
1	1/3/77	1	1		103	Y	
1	1/3/77	2	1		102	N	
1	1/3/77	3	1		102	N	
1	1/3/77	5	1		101	N	
1	1/3/77	6	1		99	N	
1	1/3/77	7	1		97	N	
1	1/3/77	8	1		94	N	
1	1/3/77	9	1		91	N	
1	1/3/77	10	1		85	N	
1	1/3/77	11	1		83	N	
1	1/3/77	12	1		84	N	
1	1/3/77	13	1		84	N	
1	1/3/77	14	1		84	N	
1	3/28/77	1	1		91	Y	
1	3/28/77	2	1		91	Y	
1	3/28/77	3	1		90	N	
1	3/28/77	5	1		87	N	
1	3/28/77	6	1		83	N	
1	3/28/77	7	1		78	N	
1	3/28/77	8	1		70	N	
1	3/28/77	9	1		67	N	
1	3/28/77	12	1		68	N	
1	3/28/77	14	1		69	N	
1	4/27/77	1	1		82	Y	
1	4/27/77	2	1		81	N	
1	4/27/77	3	1		81	N	
1	4/27/77	5	1		76	N	
1	4/27/77	6	1		73	N	
1	4/27/77	7	1		68	N	
1	4/27/77	8	1		63	N	
1	4/27/77	9	1		62	N	
1	4/27/77	10	1		62	N	
1	4/27/77	11	1		62	N	
1	4/27/77	12	1		63	N	
1	4/27/77	13	1		63	N	
1	4/27/77	14	1		63	N	
1	6/30/77	1	1		93	Y	
1	6/30/77	2	1		91	N	
1	6/30/77	4	1		86	N	
1	6/30/77	5	1		83	N	
1	6/30/77	6	1		80	N	
1	6/30/77	7	1		77	N	
1	6/30/77	8	1		76	N	
1	6/30/77	9	1		76	N	
1	6/30/77	10	1		76	N	
1	6/30/77	11	1		76	N	
1	6/30/77	12	1		76	N	
1	6/30/77	13	1		76	N	
1	6/30/77	14	1		76	N	
1	8/15/77	1	1		81	Y	
1	8/15/77	2	1		80	N	
1	8/15/77	3	1		78	N	
1	8/15/77	5	1		74	N	
1	8/15/77	6	1		71	N	
1	8/15/77	7	1		69	N	
1	8/15/77	8	1		68	N	
1	8/15/77	9	1		68	N	
1	8/15/77	10	1		66	N	
1	8/15/77	11	1		67	N	
1	8/15/77	12	1		67	N	
1	8/15/77	13	1		67	N	
1	8/15/77	14	1		67	N	
1	10/7/77	1	1		89	Y	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	10/7/77	2	1		88	N	
1	10/7/77	3	1		87	N	
1	10/7/77	5	1		84	N	
1	10/7/77	6	1		81	N	
1	10/7/77	7	1		78	N	
1	10/7/77	8	1		72	N	
1	10/7/77	9	1		72	N	
1	10/7/77	10	1		72	N	
1	10/7/77	11	1		72	N	
1	10/7/77	12	1		72	N	
1	10/7/77	13	1		72	N	
1	10/7/77	14	1		73	N	
1	12/7/77	1	1		88	Y	
1	12/7/77	2	1		87	N	
1	12/7/77	3	1		86	N	
1	12/7/77	5	1		81	N	
1	12/7/77	6	1		77	N	
1	12/7/77	7	1		71	N	
1	12/7/77	8	1		64	N	
1	12/7/77	9	1		64	N	
1	12/7/77	10	1		64	N	
1	12/7/77	11	1		64	N	
1	12/7/77	12	1		64	N	
1	12/7/77	14	1		64	N	
1	1/29/78	1	1		97	Y	
1	1/29/78	2	1		96	N	
1	1/29/78	3	1		95	N	
1	1/29/78	5	1		88	N	
1	1/29/78	6	1		83	N	
1	1/29/78	7	1		76	N	
1	1/29/78	8	1		68	N	
1	1/29/78	9	1		69	N	
1	1/29/78	10	1		69	N	
1	1/29/78	11	1		69	N	
1	1/29/78	12	1		69	N	
1	2/21/78	1	1		99	Y	
1	2/21/78	2	1		98	N	
1	2/21/78	3	1		96	N	
1	2/21/78	5	1		89	N	
1	2/21/78	6	1		81	N	
1	2/21/78	12	1		72	N	
1	2/26/78	1	1		99	Y	
1	2/26/78	2	1		98	N	
1	2/26/78	3	1		96	N	
1	2/26/78	5	1		89	N	
1	2/26/78	6	1		84	N	
1	2/26/78	7	1		78	N	
1	2/26/78	8	1		72	N	
1	2/26/78	9	1		71	N	
1	2/26/78	10	1		72	N	
1	2/26/78	11	1		72	N	
1	2/26/78	12	1		72	N	
1	3/21/78	1	1		82	Y	
1	3/21/78	2	1		80	N	
1	3/21/78	3	1		78	N	
1	3/21/78	5	1		71	N	
1	3/21/78	6	1		65	N	
1	3/21/78	12	1		54	N	
1	3/26/78	1	1		72	Y	
1	3/26/78	2	1		80	N	
1	3/26/78	3	1		78	N	
1	3/26/78	5	1		71	N	
1	3/26/78	6	1		65	N	
1	3/26/78	7	1		60	N	
1	3/26/78	8	1		55	N	
1	3/26/78	9	1		55	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/26/78	10	1		55	N	
1	3/26/78	11	1		54	N	
1	3/26/78	12	1		54	N	
1	4/23/78	1	1		90	Y	
1	4/23/78	2	1		88	N	
1	4/23/78	3	1		86	N	
1	4/23/78	5	1		79	N	
1	4/23/78	6	1		75	N	
1	4/23/78	7	1		70	N	
1	4/23/78	8	1		65	N	
1	4/23/78	9	1		65	N	
1	4/23/78	10	1		65	N	
1	4/23/78	11	1		65	N	
1	4/23/78	12	1		65	N	
1	6/12/78	1	1		79	Y	
1	6/12/78	2	1		78	N	
1	6/12/78	3	1		76	N	
1	6/12/78	5	1		69	N	
1	6/12/78	6	1		66	N	
1	6/12/78	7	1		64	N	
1	6/12/78	8	1		62	N	
1	6/12/78	9	1		62	N	
1	6/12/78	10	1		62	N	
1	6/12/78	11	1		62	N	
1	6/12/78	12	1		62	N	
1	6/17/78	1	1		79	Y	
1	6/17/78	2	1		78	N	
1	6/17/78	3	1		76	N	
1	6/17/78	5	1		69	N	
1	6/17/78	6	1		66	N	
1	6/17/78	14	1		62	N	
1	7/16/78	1	1			Y	57 - suspect data (low)
1	7/16/78	2	1			N	55 - suspect data (low)
1	7/16/78	3	1			N	53 - suspect data (low)
1	7/16/78	5	1			N	48 - suspect data (low)
1	7/16/78	6	1			N	46 - suspect data (low)
1	7/16/78	7	1			N	44 - suspect data (low)
1	7/16/78	8	1			N	44 - suspect data (low)
1	7/16/78	9	1			N	44 - suspect data (low)
1	7/16/78	10	1			N	44 - suspect data (low)
1	7/16/78	11	1			N	44 - suspect data (low)
1	7/16/78	12	1			N	43 - suspect data (low)
1	7/16/78	13	1			N	43 - suspect data (low)
1	7/16/78	14	1			N	43 - suspect data (low)
1	8/13/78	1	1		75	Y	
1	8/13/78	2	1		74	N	
1	8/13/78	3	1		72	N	
1	8/13/78	5	1		69	N	
1	8/13/78	6	1		68	N	
1	8/13/78	7	1		67	N	
1	8/13/78	8	1		66	N	
1	8/13/78	9	1		66	N	
1	8/13/78	10	1		67	N	
1	8/13/78	11	1		67	N	
1	8/13/78	12	1		67	N	
1	8/13/78	13	1		67	N	
1	8/13/78	14	1		68	N	
1	9/12/78	1	1		83	Y	
1	9/12/78	2	1		82	N	
1	9/12/78	3	1		81	N	
1	9/12/78	5	1		78	N	
1	9/12/78	6	1		77	N	
1	9/12/78	7	1		75	N	
1	9/12/78	8	1		73	N	
1	9/12/78	9	1		73	N	
1	9/12/78	10	1		73	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101 THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	9/12/78	11	1		73	N	
1	9/12/78	12	1		73	N	
1	9/12/78	13	1		73	N	
1	9/12/78	14	1		73	N	
1	10/7/78	1	1		88	Y	
1	10/7/78	2	1		88	N	
1	10/7/78	3	1		88	N	
1	10/7/78	5	1		87	N	
1	10/7/78	6	1		87	N	
1	10/7/78	7	1		85	N	
1	10/7/78	8	1		84	N	
1	10/7/78	9	1		84	N	
1	10/7/78	10	1		84	N	
1	10/7/78	11	1		84	N	
1	10/7/78	12	1		84	N	
1	1/3/79	1	1		84	Y	
1	1/3/79	2	1		83	N	
1	1/3/79	3	1		81	N	
1	1/3/79	5	1		77	N	
1	1/3/79	6	1		72	N	
1	1/3/79	7	1		63	N	
1	1/3/79	8	1		52	N	
1	1/3/79	9	1		52	N	
1	1/3/79	10	1		53	N	
1	1/3/79	11	1		54	N	
1	1/3/79	12	1		54	N	
1	4/22/79	1	1		82	Y	
1	4/22/79	2	1		81	N	
1	4/22/79	3	1		79	N	
1	4/22/79	5	1		73	N	
1	4/22/79	6	1		70	N	
1	4/22/79	7	1		65	N	
1	4/22/79	8	1		61	N	
1	4/22/79	9	1		61	N	
1	4/22/79	10	1		61	N	
1	4/22/79	11	1		61	N	
1	4/22/79	12	1		61	N	
1	4/22/79	13	1		61	N	
1	4/22/79	14	1		61	N	
1	6/12/81	1	1		75	Y	
1	6/12/81	2	1		74	N	
1	6/12/81	3	1		73	N	
1	6/12/81	4	1		70	N	
1	6/12/81	5	1		68	N	
1	6/12/81	6	1		66	N	
1	6/12/81	7	1		64	N	
1	6/12/81	8	1		63	N	
1	6/12/81	9	1		63	N	
1	6/12/81	10	1		63	N	
1	6/12/81	11	1		63	N	
1	6/12/81	12	1		63	N	
1	6/12/81	13	1		63	N	
1	6/12/81	14	1		63	N	
1	12/3/81	1	1		82	Y	
1	12/3/81	2	1		82	Y	
1	12/3/81	3	1		82	Y	
1	12/3/81	4	1		82	Y	
1	12/3/81	5	1	27	80.6	N	raw data - assumed degree C
1	12/3/81	6	1	26	78.8	N	raw data - assumed degree C
1	12/3/81	7	1	25	77	N	raw data - assumed degree C
1	12/3/81	8	1	23	73.4	N	raw data - assumed degree C
1	12/3/81	9	1	23	73.4	N	raw data - assumed degree C
1	12/3/81	10	1	23	73.4	N	raw data - assumed degree C
1	12/3/81	11	1	24	75.2	N	raw data - assumed degree C
1	12/3/81	12	1	24	75.2	N	raw data - assumed degree C
1	12/3/81	13	1	24	75.2	N	raw data - assumed degree C

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/3/81	14	1	24	75.2	N	raw data - assumed degree C
1	1/14/82	1	1		96	Y	
1	1/14/82	2	1		95	N	
1	1/14/82	3	1		94	N	
1	1/14/82	5	1		92	N	
1	1/14/82	6	1		88	N	
1	1/14/82	7	1		84	N	
1	1/14/82	8	1		80	N	
1	1/14/82	9	1		79	N	
1	1/14/82	10	1		79	N	
1	1/14/82	11	1		79	N	
1	1/14/82	12	1		79	N	
1	1/14/82	13	1		79	N	
1	1/14/82	14	1		79	N	
1	10/14/83	1	1		72	N	
1	10/14/83	2	1		71	N	
1	10/14/83	3	1		72	N	
1	10/14/83	5	1		73	Y	
1	2/7/84	1	1		84	Y	
1	2/7/84	2	1		83	N	
1	2/7/84	3	1		83	N	
1	2/7/84	5	1		79	N	
1	2/7/84	6	1		75	N	
1	2/7/84	7	1		71	N	
1	2/7/84	8	1		68	N	
1	2/7/84	9	1		68	N	
1	2/7/84	10	1		68	N	
1	2/7/84	11	1		67	N	
1	2/7/84	12	1		67	N	
1	2/7/84	13	1		67	N	
1	2/7/84	14	1		67	N	
1	10/13/89	1	1			N	Rotory switch loose & pushed back inside of housing.
1	10/23/89	1	1			N	Plug missing
1	11/2/89	1	1		76.7	Y	
1	11/2/89	2	1		76.5	N	
1	11/2/89	3	1		76.3	N	
1	11/2/89	5	1		75.4	N	
1	11/2/89	6	1		75	N	
1	11/2/89	7	1		74.6	N	
1	11/2/89	8	1		74.2	N	
1	11/2/89	9	1		74.1	N	
1	11/2/89	10	1		74.1	N	
1	11/2/89	11	1		74	N	
1	11/2/89	12	1		73.9	N	
1	11/2/89	13	1		73.9	N	
1	11/2/89	14	1		73.8	N	
1	11/4/89	1	1		70.7	Y	
1	11/4/89	2	1		70.4	N	
1	11/4/89	3	1		70.2	N	
1	11/4/89	5	1		69.7	N	
1	11/4/89	6	1		69.3	N	
1	11/4/89	7	1		68.8	N	
1	11/4/89	8	1		68.6	N	
1	11/4/89	9	1		68.5	N	
1	11/4/89	10	1		68.5	N	
1	11/4/89	11	1		68.5	N	
1	11/4/89	12	1		68.5	N	
1	11/4/89	13	1		68.5	N	
1	11/4/89	14	1		68.5	N	
1	11/10/89	1	1			N	TC wires not yet in place in LOW
1	11/17/89	1	1		70.9	Y	Moisture found in LOW
1	11/18/89	1	1		77.1	Y	
1	11/18/89	2	1		76.9	N	
1	11/18/89	3	1		76.7	N	
1	11/18/89	5	1		76	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/18/89	6	1		75.3	N	
1	11/18/89	7	1		74.4	N	
1	11/18/89	8	1		73.8	N	
1	11/18/89	9	1		73.8	N	
1	11/18/89	10	1		73.8	N	
1	11/18/89	11	1		73.7	N	
1	11/18/89	12	1		73.7	N	
1	11/18/89	13	1		73.7	N	
1	11/18/89	14	1		73.7	N	Test taken on 101-BY with J
1	11/25/89	1	1		78.1	Y	
1	11/25/89	1	2		70.8	Y	LOW K
1	11/25/89	2	1		77.8	N	
1	11/25/89	3	1		77.5	N	
1	11/25/89	5	1		76.6	N	
1	11/25/89	6	1		75.8	N	
1	11/25/89	7	1		74.7	N	
1	11/25/89	8	1		74	N	
1	11/25/89	9	1		73.9	N	
1	11/25/89	10	1		73.9	N	
1	11/25/89	11	1		73.8	N	
1	11/25/89	12	1		73.8	N	
1	11/25/89	13	1		73.7	N	
1	11/25/89	14	1		73.7	N	
1	12/1/89	1	1		79.6	Y	LOW
1	12/8/89	1	1			N	No Tree
1	12/10/89	1	1		79.7	Y	LOW
1	12/15/89	1	1		78.1	Y	
2	12/15/89	1	1		69.2	Y	LOW
1	12/15/89	2	1		71	N	
1	12/15/89	3	1		77.6	N	
1	12/15/89	5	1		76.5	N	
1	12/15/89	6	1		75.3	N	
1	12/15/89	7	1		73.6	N	
1	12/15/89	8	1		72.6	N	
1	12/15/89	9	1		72.5	N	
1	12/15/89	10	1		72.5	N	
1	12/15/89	11	1		72.4	N	
1	12/15/89	12	1		72.4	N	
1	12/15/89	13	1		72.4	N	
1	12/15/89	14	1		72.4	N	
1	12/23/89	1	1		78.3	Y	
1	12/23/89	2	1		78.1	N	
1	12/23/89	3	1		77.8	N	
1	12/23/89	5	1		76.6	N	
1	12/23/89	6	1		75.2	N	
1	12/23/89	7	1		73.3	N	
1	12/23/89	8	1		72.1	N	
1	12/23/89	9	1		72	N	
1	12/23/89	10	1		72	N	
1	12/23/89	11	1		71.9	N	
1	12/23/89	12	1		71.9	N	
1	12/23/89	13	1		71.9	N	
1	12/23/89	14	1		71.8	N	
1	12/29/89	1	2		74.7	Y	J-890523512-20
2	12/29/89	1	1		72.6	Y	LOW-K-890723679-20
1	12/29/89	2	2		74.6	N	
1	12/29/89	3	2		74.4	N	
1	12/29/89	5	2		73.2	N	
1	12/29/89	6	2		71.9	N	
1	12/29/89	7	2		70	N	
1	12/29/89	8	2		68.8	N	
1	12/29/89	9	2		68.7	N	
1	12/29/89	10	2		68.6	N	
1	12/29/89	11	2		68.5	N	
1	12/29/89	12	2		68.5	N	
1	1/6/90	1	1		77.2	Y	LOW

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/13/90	1	1		73.7	Y	
1	1/13/90	2	1		73.4	N	
1	1/13/90	3	1		73.5	N	
1	1/13/90	5	1		72	N	
1	1/13/90	6	1		70.2	N	
1	1/13/90	7	1		68	N	
1	1/13/90	8	1		66.6	N	
1	1/13/90	9	1		66.5	N	
1	1/13/90	10	1		66.5	N	
1	1/13/90	11	1		66.5	N	
1	1/13/90	12	1		66.5	N	
1	1/13/90	13	1		66.5	N	
1	1/13/90	14	1		66.5	N	J
1	1/19/90	1	1		77.1	Y	
1	1/19/90	2	1		76.7	N	
1	1/19/90	3	1		76.4	N	
1	1/19/90	5	1		74.8	N	
1	1/19/90	6	1		72.8	N	
1	1/19/90	7	1		70.3	N	
1	1/19/90	8	1		68.9	N	
1	1/19/90	9	1		68.8	N	
1	1/19/90	10	1		68.8	N	
1	1/19/90	11	1		68.7	N	
1	1/19/90	12	1		68.7	N	
1	1/19/90	13	1		68.6	N	
1	1/19/90	14	1		68.6	N	E
1	1/27/90	1	1		68.7	Y	LOW - K
1	2/3/90	1	1		70.9	Y	K-890723579-20
1	2/5/90	1	1		67.8	Y	LOW K-890723679-20
1	2/11/90	1	1		77.7	Y	J-2E-OP-021
1	2/11/90	2	1		77.5	N	
1	2/11/90	3	1		76.9	N	
1	2/11/90	5	1		74.2	N	
1	2/11/90	6	1		71.7	N	
1	2/11/90	7	1		68.2	N	
1	2/11/90	8	1		66.3	N	
1	2/11/90	9	1		66.3	N	
1	2/11/90	10	1		66.4	N	
1	2/11/90	11	1		66.3	N	
1	2/11/90	12	1		66.4	N	
1	2/11/90	13	1		66.3	N	
1	2/11/90	14	1		66.2	N	
1	3/2/90	1	1		72	Y	K-HH-99A-K
1	3/2/90	2	1			N	LOW
1	4/8/90	1	1		73	N	K-890723679020
1	4/8/90	2	1		75	Y	
1	4/8/90	3	1		74	N	
1	4/8/90	5	1		71	N	
1	4/8/90	6	1		68	N	
1	4/8/90	7	1		65	N	
1	4/8/90	8	1		63	N	
1	4/8/90	9	1		63	N	
1	4/8/90	10	1		64	N	
1	4/8/90	11	1		64	N	
1	4/8/90	12	1		64	N	
1	4/8/90	13	1		64	N	
1	4/8/90	14	1		63	N	
1	5/5/90	1	1			N	No Data. Discrepancy report written-#252
1	5/30/90	1	1		75.4	Y	J-2E-OP-020
1	5/30/90	2	1		74.5	N	
1	5/30/90	3	1		73.6	N	
1	5/30/90	5	1		70.8	N	
1	5/30/90	6	1		68.9	N	
1	5/30/90	7	1		67.1	N	
1	5/30/90	8	1		66.3	N	
1	5/30/90	9	1		66.5	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	5/30/90	10	1		66.7	N	
1	5/30/90	11	1		66.9	N	
1	5/30/90	12	1		67	N	
1	5/30/90	13	1		66.9	N	
1	5/30/90	14	1		66.8	N	
1	6/1/90	1	1		76.5	Y	
1	6/1/90	2	1		73.3	N	
1	6/1/90	3	1		72.2	N	
1	6/1/90	5	1		69.3	N	
1	6/1/90	6	1		67.1	N	
1	6/1/90	7	1		64.9	N	
1	6/1/90	8	1		64	N	
1	6/1/90	9	1		64.1	N	
1	6/1/90	10	1		64.3	N	
1	6/1/90	11	1		64.5	N	
1	6/1/90	12	1		64.6	N	
1	6/1/90	13	1		64.6	N	
1	6/1/90	14	1		64.5	N	
1	7/8/90	1	1		73.7	Y	K-HH-99A-K
1	7/8/90	2	1		72.9	N	
1	7/8/90	3	1		72.9	N	
1	7/8/90	5	1		69.6	N	
1	7/8/90	6	1		67.8	N	
1	7/8/90	7	1		66	N	
1	7/8/90	8	1		65.2	N	
1	7/8/90	9	1		65.2	N	
1	7/8/90	10	1		65.2	N	
1	7/8/90	11	1		65.2	N	
1	7/8/90	12	1		65.3	N	
1	7/8/90	13	1		65.4	N	
1	7/8/90	14	1		65.5	N	
1	8/5/90	1	1		73.4	Y	J 890523512-20
1	8/5/90	2	1		72.8	N	
1	8/5/90	3	1		72.2	N	
1	8/5/90	5	1		70.5	N	
1	8/5/90	6	1		69.5	N	
1	8/5/90	7	1		68.8	N	
1	8/5/90	8	1		68.5	N	
1	8/5/90	9	1		68.5	N	
1	8/5/90	10	1		68.5	N	
1	8/5/90	11	1		68.6	N	
1	8/5/90	12	1		68.6	N	
1	8/5/90	13	1		68.6	N	
1	8/5/90	14	1		68.6	N	
1	9/11/90	1	1		72	Y	J 890523512-20
1	9/11/90	2	1		71	N	
1	9/11/90	3	1		70	N	
1	9/11/90	5	1		70	N	
1	9/11/90	6	1		69	N	
1	9/11/90	7	1		70	N	
1	9/11/90	8	1		70	N	
1	9/11/90	9	1		70	N	
1	9/11/90	10	1		70	N	
1	9/11/90	11	1		71	N	
1	9/11/90	12	1		71	N	
1	9/11/90	13	1		71	N	
1	9/11/90	14	1		71	N	
1	10/9/90	1	1		75	Y	J
1	10/9/90	2	1		75	N	
1	10/9/90	3	1		74	N	
1	10/9/90	5	1		74	N	
1	10/9/90	6	1		73	N	
1	10/9/90	7	1		73	N	
1	10/9/90	8	1		73	N	
1	10/9/90	9	1		73	N	
1	10/9/90	10	1		73	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	10/9/90	11	1		74	N	
1	10/9/90	12	1		74	N	
1	10/9/90	13	1		73	N	
1	10/9/90	14	1		73	N	
1	10/22/90	1	1		75	Y	J 890523512-20
1	10/22/90	2	1		74	N	
1	10/22/90	3	1		74	N	
1	10/22/90	5	1		74	N	
1	10/22/90	6	1		73	N	
1	10/22/90	7	1		73	N	
1	10/22/90	8	1		73	N	
1	10/22/90	9	1		73	N	
1	10/22/90	10	1		73	N	
1	10/22/90	11	1		73	N	
1	10/22/90	12	1		73	N	
1	10/22/90	13	1		73	N	
1	10/22/90	14	1		73	N	
1	10/24/90	1	1		66	Y	J-890523512-20
1	10/26/90	1	1		71.1	N	J-890523512-20
1	10/26/90	2	1		74.2	N	
1	10/26/90	3	1		73.6	Y	
1	10/26/90	5	1		73	N	
1	10/26/90	6	1		72.8	N	
1	10/26/90	7	1		72.6	N	
1	10/26/90	8	1		72.5	N	
1	10/26/90	9	1		72.7	N	
1	10/26/90	10	1		72.9	N	
1	10/26/90	11	1		73	N	
1	10/26/90	12	1		73	N	
1	10/26/90	13	1		73	N	
1	10/26/90	14	1		73.1	N	
1	10/30/90	1	1		74.4	Y	J 890523512-20
1	10/30/90	1	2		66.4	Y	K 890723679-64 LOW
1	10/30/90	2	1		74.1	N	
1	10/30/90	3	1		73.9	N	
1	10/30/90	5	1		73.3	N	
1	10/30/90	6	1		73.1	N	
1	10/30/90	7	1		72.8	N	
1	10/30/90	8	1		72.6	N	
1	10/30/90	9	1		72.6	N	
1	10/30/90	10	1		72.6	N	
1	10/30/90	11	1		72.5	N	
1	10/30/90	12	1		72.5	N	
1	10/30/90	13	1		72.5	N	
1	10/30/90	14	1		72.5	N	
1	11/5/90	1	1		66.8	Y	J 890523512-20
1	11/12/90	1	1		75.3	N	2E-OP-021
1	11/12/90	1	2		69.6	Y	K 890723679 LOW
1	11/12/90	2	1		75.6	Y	
1	11/12/90	3	1		75.5	N	
1	11/12/90	4	1			N	TC #4, #15, #16 O/S
1	11/12/90	5	1		74.9	N	
1	11/12/90	6	1		74.5	N	
1	11/12/90	7	1		74	N	
1	11/12/90	8	1		73.6	N	
1	11/12/90	9	1		73.6	N	
1	11/12/90	10	1		73.5	N	
1	11/12/90	11	1		73.4	N	
1	11/12/90	12	1		73.4	N	
1	11/12/90	13	1		73.4	N	
1	11/12/90	14	1		73.4	N	
1	11/18/90	1	1		74.3	Y	J 890523512-20
1	11/18/90	1	2		69.2	Y	K 890723697-74 LOW
1	11/18/90	2	1		74.1	N	
1	11/18/90	3	1		73.9	N	
1	11/18/90	5	1		73.3	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/18/90	6	1		72.9	N	
1	11/18/90	7	1		72.2	N	
1	11/18/90	8	1		71.8	N	
1	11/18/90	9	1		71.8	N	
1	11/18/90	10	1		71.8	N	
1	11/18/90	11	1		71.1	N	
1	11/18/90	12	1		71.7	N	
1	11/18/90	13	1		71.8	N	
1	11/18/90	14	1		71.8	N	
1	11/25/90	1	1		73.5	N	J-2E-OP-003
1	11/25/90	2	1		73.6	N	
1	11/25/90	3	1		73.3	N	
1	11/25/90	5	1		72.6	N	
1	11/25/90	6	1		74.8	N	
1	11/25/90	7	1		71.7	N	
1	11/25/90	8	1		77	N	
1	11/25/90	9	1		75.8	N	
1	11/25/90	10	1		71.3	N	
1	11/25/90	11	1		74.6	N	
1	11/25/90	12	1		78.4	Y	
1	11/25/90	13	1		78.2	N	
1	11/25/90	14	1		78.1	N	
1	12/5/90	1	1		69.1	Y	K 890723679-64 LOW
1	12/10/90	1	1		69.7	Y	K 890723679-64
1	12/11/90	1	1		74.5	Y	J 890423320-11
1	12/11/90	1	2		69.7	Y	K 890723679-64
1	12/11/90	2	1		74.4	N	
1	12/11/90	3	1		74.1	N	
1	12/11/90	5	1		73.2	N	
1	12/11/90	6	1		72.3	N	
1	12/11/90	7	1		71	N	
1	12/11/90	8	1		70.1	N	
1	12/11/90	9	1		70	N	
1	12/11/90	10	1		70	N	
1	12/11/90	11	1		69.9	N	
1	12/11/90	12	1		70	N	
1	12/11/90	13	1		70	N	
1	12/11/90	14	1		69.9	N	
1	12/15/90	1	1		74.3	Y	HH-99-J
1	12/15/90	1	2		71.4	Y	K LOW
1	12/15/90	2	1		74.1	N	
1	12/15/90	3	1		73.8	N	
1	12/15/90	5	1		72.2	N	
1	12/15/90	6	1		71.4	N	
1	12/15/90	7	1		70.1	N	
1	12/15/90	8	1		69.4	N	
1	12/15/90	9	1		69.5	N	
1	12/15/90	10	1		69.8	N	
1	12/15/90	11	1		69.9	N	
1	12/15/90	12	1		69.9	N	
1	12/15/90	13	1		69.9	N	
1	12/15/90	14	1		69.8	N	
1	12/22/90	1	1		75	Y	J 890423320-11
1	12/22/90	1	2		69	Y	K 890723679-64 LOW
1	12/22/90	2	1		75	N	
1	12/22/90	3	1		75	N	
1	12/22/90	5	1		75	N	
1	12/22/90	6	1		74	N	
1	12/22/90	7	1		71	N	
1	12/22/90	8	1		70	N	
1	12/22/90	9	1		70	N	
1	12/22/90	10	1		70	N	
1	12/22/90	11	1		70	N	
1	12/22/90	12	1		70	N	
1	12/22/90	13	1		70	N	
1	12/22/90	14	1		70	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/30/90	1	1		76.1	Y	J 2E-OP-021
1	12/30/90	1	2		65	N	K 890723679-64 LOW(6 LOW?)
1	12/30/90	2	1		76	N	
1	12/30/90	2	2		65.3	Y	
1	12/30/90	3	1		75.9	N	
1	12/30/90	3	2		63.9	N	
1	12/30/90	4	2		63.6	N	
1	12/30/90	5	1		74.6	N	
1	12/30/90	5	2		63.4	N	
1	12/30/90	6	1		73.2	N	
1	12/30/90	6	2		63.4	N	
1	12/30/90	7	1		71.2	N	
1	12/30/90	8	1		69.9	N	
1	12/30/90	9	1		69.8	N	
1	12/30/90	10	1		69.8	N	
1	12/30/90	11	1		69.6	N	
1	12/30/90	12	1		69.7	N	
1	12/30/90	13	1		69.6	N	
1	12/30/90	14	1		69.6	N	
1	1/6/91	1	1		75	Y	J
1	1/6/91	1	2		65.8	Y	K LOW
1	1/6/91	2	1		75	N	
1	1/6/91	3	1		75	N	
1	1/6/91	5	1		74	N	
1	1/6/91	6	1		72	N	
1	1/6/91	7	1		70	N	
1	1/6/91	8	1		69	N	
1	1/6/91	9	1		68	N	
1	1/6/91	10	1		68	N	
1	1/6/91	11	1		68	N	
1	1/6/91	12	1		68	N	
1	1/6/91	13	1		68	N	
1	1/6/91	14	1		68	N	
1	1/9/91	1	1		76	Y	K 890723679-64 LOW
1	1/13/91	1	1		74.8	Y	J 890423320-11
1	1/13/91	1	2		70.2	Y	K 890723679-64
1	1/13/91	2	1		74.5	N	
1	1/13/91	4	1		72.2	N	
1	1/13/91	5	1		70.9	N	
1	1/13/91	6	1		68.4	N	
1	1/13/91	7	1		67	N	
1	1/13/91	8	1		67	N	
1	1/13/91	9	1		67	N	
1	1/13/91	10	1		67	N	
1	1/13/91	11	1		67	N	
1	1/13/91	12	1		67	N	
1	1/13/91	13	1		66.9	N	
1	1/13/91	14	1		67	N	
1	1/19/91	1	1		74.7	N	J HH99A-J
1	1/19/91	2	1		74.8	Y	
1	1/19/91	3	1		74.6	N	
1	1/19/91	5	1		72.5	N	
1	1/19/91	6	1		70.7	N	
1	1/19/91	7	1		68.2	N	
1	1/19/91	8	1		66.7	N	
1	1/19/91	9	1		66.6	N	
1	1/19/91	10	1		66.5	N	
1	1/19/91	11	1		66.2	N	
1	1/19/91	12	1		66.1	N	
1	1/19/91	13	1		66	N	
1	1/19/91	14	1		65.9	N	
1	1/29/91	1	1		74.7	Y	HH-99A-J
1	1/29/91	2	1		74.5	N	
1	1/29/91	3	1		74.2	N	
1	1/29/91	5	1		72.3	N	
1	1/29/91	6	1		70.2	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/29/91	7	1		67.4	N	
1	1/29/91	8	1		65.7	N	
1	1/29/91	9	1		65.7	N	
1	1/29/91	10	1		65.6	N	
1	1/29/91	11	1		65.6	N	
1	1/29/91	12	1		65.5	N	
1	1/29/91	13	1		65.5	N	
1	1/29/91	14	1		65.5	N	
1	2/3/91	1	1		72	Y	J Ser#890523512-47
1	2/3/91	2	1		72	N	
1	2/3/91	3	1		72	N	
1	2/3/91	5	1		70	N	
1	2/3/91	6	1		68	N	
1	2/3/91	7	1		65	N	
1	2/3/91	8	1		63	N	
1	2/3/91	9	1		63	N	
1	2/3/91	10	1		63	N	
1	2/3/91	11	1		63	N	
1	2/3/91	12	1		63	N	
1	2/3/91	13	1		63	N	
1	2/3/91	14	1		63	N	
1	2/9/91	1	1		74.6	Y	J Ser#890523512-47
1	2/9/91	2	1		74.1	N	
1	2/9/91	3	1		73.4	N	
1	2/9/91	5	1		70.6	N	
1	2/9/91	6	1		68.3	N	
1	2/9/91	7	1		65.5	N	
1	2/9/91	8	1		63.9	N	
1	2/9/91	9	1		63.9	N	
1	2/9/91	10	1		64.1	N	
1	2/9/91	11	1		64.2	N	
1	2/9/91	12	1		64.3	N	
1	2/9/91	13	1		64.3	N	
1	2/9/91	14	1		64.2	N	
1	2/16/91	1	1		72.9	Y	J-890523512-47 TC #3 O/S
1	2/16/91	2	1		72.5	N	
1	2/16/91	4	1		70	N	
1	2/16/91	5	1		67.6	N	
1	2/16/91	6	1		64.6	N	
1	2/16/91	7	1		62.7	N	
1	2/16/91	8	1		62.6	N	
1	2/16/91	9	1		62.4	N	
1	2/16/91	10	1		62.3	N	
1	2/16/91	11	1		62.3	N	
1	2/16/91	12	1		62.2	N	
1	2/16/91	13	1		62.2	N	
1	2/16/91	14	1		62.2	N	
1	2/23/91	1	1		72.2	Y	J 890523512-47 TC#4O/S
1	2/23/91	2	1		71.8	N	
1	2/23/91	3	1		71.2	N	
1	2/23/91	5	1		68.2	N	
1	2/23/91	6	1		68.2	N	
1	2/23/91	7	1		62.7	N	
1	2/23/91	8	1		61.1	N	
1	2/23/91	9	1		61.1	N	
1	2/23/91	10	1		61.2	N	
1	2/23/91	11	1		61.2	N	
1	2/23/91	12	1		61.2	N	
1	2/23/91	13	1		61.2	N	
1	2/23/91	14	1		61.2	N	
1	3/3/91	1	1		68.9	N	890523512-47
1	3/3/91	2	1		69.1	Y	
1	3/3/91	3	1		68.8	N	
1	3/3/91	5	1		66.7	N	
1	3/3/91	6	1		64.4	N	
1	3/3/91	7	1		61.4	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101 THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/3/91	8	1		59.8	N	
1	3/3/91	9	1		59.8	N	
1	3/3/91	10	1		59.8	N	
1	3/3/91	11	1		59.8	N	
1	3/3/91	12	1		60	N	
1	3/3/91	13	1		60.1	N	
1	3/3/91	14	1		60.1	N	
1	3/9/91	1	1		76.2	Y	J 890723679-20
1	3/9/91	2	1		76.1	N	
1	3/9/91	3	1		75.6	N	
1	3/9/91	5	1		72.7	N	
1	3/9/91	6	1		70	N	
1	3/9/91	7	1		67	N	
1	3/9/91	8	1		65.3	N	
1	3/9/91	9	1		65.2	N	
1	3/9/91	10	1		65.2	N	
1	3/9/91	11	1		65.2	N	
1	3/9/91	12	1		65.3	N	
1	3/9/91	13	1		65.3	N	
1	3/17/91	1	1		75.2	Y	J 2E-OP-021
1	3/17/91	2	1		75.1	N	
1	3/17/91	3	1		74.6	N	
1	3/17/91	5	1		71.3	N	
1	3/17/91	6	1		68.6	N	
1	3/17/91	7	1		65.5	N	
1	3/17/91	8	1		63.9	N	
1	3/17/91	9	1		63.8	N	
1	3/17/91	10	1		63.8	N	
1	3/17/91	11	1		63.7	N	
1	3/17/91	12	1		63.7	N	
1	3/17/91	13	1		63.8	N	
1	3/17/91	14	1		63.9	N	
1	3/23/91	1	1		75.3	Y	J 2E-OP-021
1	3/23/91	2	1		75.1	N	
1	3/23/91	3	1		74.5	N	
1	3/23/91	5	1		71	N	
1	3/23/91	6	1		68.2	N	
1	3/23/91	7	1		65.1	N	
1	3/23/91	8	1		63.4	N	
1	3/23/91	9	1		63.2	N	
1	3/23/91	10	1		63.1	N	
1	3/23/91	11	1		63	N	
1	3/23/91	12	1		63	N	
1	3/23/91	13	1		63	N	
1	3/23/91	14	1		62.9	N	
1	3/30/91	1	1		74.4	Y	J 890523512-20
1	3/30/91	2	1		73.9	N	
1	3/30/91	3	1		73	N	
1	3/30/91	5	1		69.9	N	
1	3/30/91	6	1		67.4	N	
1	3/30/91	7	1		64.6	N	
1	3/30/91	8	1		63.2	N	
1	3/30/91	9	1		63.2	N	
1	3/30/91	10	1		63.4	N	
1	3/30/91	11	1		63.6	N	
1	3/30/91	12	1		63.8	N	
1	3/30/91	13	1		63.9	N	
1	3/30/91	14	1		63.9	N	
1	4/7/91	1	1		76.1	Y	J 890423320-11
1	4/7/91	2	1		75.7	N	
1	4/7/91	3	1		75	N	
1	4/7/91	5	1		71.8	N	
1	4/7/91	6	1		69	N	
1	4/7/91	7	1		65.9	N	
1	4/7/91	8	1		64.2	N	
1	4/7/91	9	1		63.9	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101 THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	4/7/91	10	1		63.7	N	
1	4/7/91	11	1		63.5	N	
1	4/7/91	12	1		63.5	N	
1	4/7/91	13	1		63.6	N	
1	4/7/91	14	1		63.7	N	
1	4/14/91	1	1		75.5	Y	J 890523512-20 Omega
1	4/14/91	2	1		75.1	N	
1	4/14/91	3	1		74.5	N	
1	4/14/91	5	1		71.3	N	
1	4/14/91	6	1		68.5	N	
1	4/14/91	7	1		65.5	N	
1	4/14/91	8	1		63.8	N	
1	4/14/91	9	1		63.8	N	
1	4/14/91	10	1		63.3	N	
1	4/14/91	11	1		63	N	
1	4/14/91	12	1		63	N	
1	4/14/91	13	1		63.1	N	
1	4/14/91	14	1		63.1	N	
1	4/20/91	1	1		75.1	Y	J 890523512-20
1	4/20/91	2	1		74.8	N	
1	4/20/91	3	1		74.1	N	
1	4/20/91	5	1		70.7	N	
1	4/20/91	6	1		68	N	
1	4/20/91	7	1		65	N	
1	4/20/91	8	1		63.3	N	
1	4/20/91	9	1		62.9	N	
1	4/20/91	10	1		62.9	N	
1	4/20/91	11	1		62.5	N	
1	4/20/91	12	1		62.5	N	
1	4/20/91	13	1		62.6	N	
1	4/20/91	14	1		62.7	N	
1	4/28/91	1	1		74.7	Y	J Omega 890523512-20
1	4/28/91	2	1		74.2	N	
1	4/28/91	3	1		73.4	N	
1	4/28/91	5	1		70.2	N	
1	4/28/91	6	1		67.6	N	
1	4/28/91	7	1		64.8	N	
1	4/28/91	8	1		63.2	N	
1	4/28/91	9	1		63	N	
1	4/28/91	10	1		62.9	N	
1	4/28/91	11	1		62.8	N	
1	4/28/91	12	1		62.8	N	
1	4/28/91	13	1		62.9	N	
1	4/28/91	14	1		63	N	
1	5/5/91	1	1		74.7	Y	J 890523512-20
1	5/5/91	2	1		74.2	N	
1	5/5/91	3	1		73.5	N	
1	5/5/91	5	1		70.5	N	
1	5/5/91	6	1		68	N	
1	5/5/91	7	1		65.4	N	
1	5/5/91	8	1		64.2	N	
1	5/5/91	9	1		64.1	N	
1	5/5/91	10	1		64.1	N	
1	5/5/91	11	1		64.1	N	
1	5/5/91	12	1		64.2	N	
1	5/5/91	13	1		64.2	N	
1	5/5/91	14	1		64.3	N	
1	5/12/91	1	1		73.5	Y	J 890523512-20
1	5/12/91	2	1		72.9	N	
1	5/12/91	3	1		72.1	N	
1	5/12/91	5	1		69.2	N	
1	5/12/91	6	1		66.7	N	
1	5/12/91	7	1		64.2	N	
1	5/12/91	8	1		62.9	N	
1	5/12/91	9	1		62.8	N	
1	5/12/91	10	1		62.8	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	5/12/91	11	1		62.8	N	
1	5/12/91	12	1		62.9	N	
1	5/12/91	13	1		62.9	N	
1	5/12/91	14	1		62.9	N	
1	5/18/91	1	1		75.3	Y	J Keithley 872 2E-OP-020
1	5/18/91	2	1		74.9	N	
1	5/18/91	3	1		74.1	N	
1	5/18/91	5	1		71	N	
1	5/18/91	6	1		68.5	N	
1	5/18/91	7	1		66.1	N	
1	5/18/91	8	1		64.8	N	
1	5/18/91	9	1		64.7	N	
1	5/18/91	10	1		64.7	N	
1	5/18/91	11	1		64.8	N	
1	5/18/91	12	1		64.9	N	
1	5/18/91	13	1		65	N	
1	5/18/91	14	1		65	N	
1	5/25/91	1	1		74.7	Y	J 2E-OP-021
1	5/25/91	2	1		74.1	N	
1	5/25/91	3	1		73.3	N	
1	5/25/91	5	1		70.3	N	
1	5/25/91	6	1		68	N	
1	5/25/91	7	1		65.7	N	
1	5/25/91	8	1		64.5	N	
1	5/25/91	9	1		64.5	N	
1	5/25/91	10	1		64.6	N	
1	5/25/91	11	1		64.6	N	
1	5/25/91	12	1		64.7	N	
1	5/25/91	13	1		64.8	N	
1	5/25/91	14	1		64.9	N	
1	6/2/91	1	1		73.1	Y	J 890423320-42
1	6/2/91	2	1		72.5	N	
1	6/2/91	3	1		71.7	N	
1	6/2/91	5	1		68.7	N	
1	6/2/91	6	1		66.4	N	
1	6/2/91	7	1		64.1	N	
1	6/2/91	8	1		62.8	N	
1	6/2/91	9	1		62.6	N	
1	6/2/91	10	1		62.4	N	
1	6/2/91	11	1		62.3	N	
1	6/2/91	12	1		62.4	N	
1	6/2/91	13	1		62.5	N	
1	6/2/91	14	1		62.7	N	
1	6/9/91	1	1		72.9	Y	J 890523512-20
1	6/9/91	2	1		72.1	N	
1	6/9/91	3	1		71.3	N	
1	6/9/91	5	1		68.5	N	
1	6/9/91	6	1		66.5	N	
1	6/9/91	7	1		64.7	N	
1	6/9/91	8	1		63.7	N	
1	6/9/91	9	1		63.7	N	
1	6/9/91	10	1		63.8	N	
1	6/9/91	11	1		63.9	N	
1	6/9/91	12	1		64	N	
1	6/9/91	13	1		64.1	N	
1	6/9/91	14	1		64.2	N	
1	6/15/91	1	1		74	Y	J 2E-OP-021 TC#4o/s
1	6/15/91	2	1		73.5	N	
1	6/15/91	3	1		72.7	N	
1	6/15/91	5	1		70.1	N	
1	6/15/91	6	1		68.1	N	
1	6/15/91	7	1		66.2	N	
1	6/15/91	8	1		65.3	N	
1	6/15/91	9	1		65.3	N	
1	6/15/91	10	1		65.3	N	
1	6/15/91	11	1		65.3	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101 THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	6/15/91	12	1		65.4	N	
1	6/15/91	13	1		65.5	N	
1	6/15/91	14	1		65.6	N	
1	6/23/91	1	1		74	Y	J 2E-OP-021
1	6/23/91	2	1		74	N	
1	6/23/91	3	1		73	N	
1	6/23/91	5	1		70	N	
1	6/23/91	6	1		68	N	
1	6/23/91	7	1		66	N	
1	6/23/91	8	1		66	N	
1	6/23/91	9	1		66	N	
1	6/23/91	10	1		66	N	
1	6/23/91	11	1		66	N	
1	6/23/91	12	1		66	N	
1	6/23/91	13	1		66	N	
1	6/23/91	14	1		66	N	
1	6/29/91	1	1		73	Y	J 890423320-42 TC#4,15,16NG
1	6/29/91	2	1		72.4	N	
1	6/29/91	3	1		71.7	N	
1	6/29/91	5	1		69	N	
1	6/29/91	6	1		67.4	N	
1	6/29/91	7	1		65.7	N	
1	6/29/91	8	1		64.9	N	
1	6/29/91	9	1		64.9	N	
1	6/29/91	10	1		64.9	N	
1	6/29/91	11	1		64.9	N	
1	6/29/91	12	1		64.9	N	
1	6/29/91	13	1		64.9	N	
1	6/29/91	14	1		65	N	
1	7/6/91	1	1		73.4	Y	J 910126K143-42
1	7/6/91	2	1		72.7	N	
1	7/6/91	3	1		71.9	N	
1	7/6/91	5	1		69.1	N	
1	7/6/91	6	1		67.4	N	
1	7/6/91	7	1		65.9	N	
1	7/6/91	8	1		65.2	N	
1	7/6/91	9	1		65.3	N	
1	7/6/91	10	1		65.5	N	
1	7/6/91	11	1		65.6	N	
1	7/6/91	12	1		65.8	N	
1	7/6/91	13	1		65.9	N	
1	7/6/91	14	1		66.1	N	
1	7/13/91	1	1		73.5	Y	J 910126143-42 TC#4,15,16NG
1	7/13/91	2	1		72.7	N	
1	7/13/91	3	1		72	N	
1	7/13/91	5	1		69.3	N	
1	7/13/91	6	1		67.4	N	
1	7/13/91	7	1		65.8	N	
1	7/13/91	8	1		65.2	N	
1	7/13/91	9	1		65.3	N	
1	7/13/91	10	1		65.5	N	
1	7/13/91	11	1		65.6	N	
1	7/13/91	12	1		65.9	N	
1	7/13/91	13	1		66	N	
1	7/13/91	14	1		66.5	N	
1	7/20/91	1	1		71.8	Y	J 910126143-64
1	7/20/91	2	1		71.3	N	
1	7/20/91	3	1		70.5	N	
1	7/20/91	5	1		67.8	N	
1	7/20/91	6	1		66.2	N	
1	7/20/91	7	1		65.1	N	
1	7/20/91	8	1		64.7	N	
1	7/20/91	9	1		64.7	N	
1	7/20/91	10	1		64.9	N	
1	7/20/91	11	1		65	N	
1	7/20/91	12	1		65.1	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	7/20/91	13	1		65.3	N	
1	7/20/91	14	1		65.5	N	
1	7/27/91	1	1		72.6	Y	J 910126143-14
1	7/27/91	2	1		72.1	N	
1	7/27/91	3	1		71.5	N	
1	7/27/91	5	1		68.7	N	
1	7/27/91	6	1		67.6	N	
1	7/27/91	7	1		66.2	N	
1	7/27/91	8	1		65.5	N	
1	7/27/91	9	1		65.3	N	
1	7/27/91	10	1		65	N	
1	7/27/91	11	1		64.9	N	
1	7/27/91	12	1		65	N	
1	7/27/91	13	1		65.1	N	
1	7/27/91	14	1		65.3	N	
1	8/3/91	1	1		72.1	N	J 910126143-14 TC#4NG
1	8/3/91	2	1		72.8	Y	
1	8/3/91	3	1		71	N	
1	8/3/91	5	1		68.6	N	
1	8/3/91	6	1		67.2	N	
1	8/3/91	7	1		66.1	N	
1	8/3/91	8	1		65.5	N	
1	8/3/91	9	1		65.3	N	
1	8/3/91	10	1		65.2	N	
1	8/3/91	11	1		65.1	N	
1	8/3/91	12	1		65.1	N	
1	8/3/91	13	1		65.3	N	
1	8/3/91	14	1		65.6	N	
1	8/10/91	1	1		74	Y	J 890523512-20 TC#4,15,16NG
1	8/10/91	2	1		73	N	
1	8/10/91	3	1		73	N	
1	8/10/91	5	1		71	N	
1	8/10/91	6	1		69	N	
1	8/10/91	7	1		68	N	
1	8/10/91	8	1		68	N	
1	8/10/91	9	1		67	N	
1	8/10/91	10	1		67	N	
1	8/10/91	11	1		67	N	
1	8/10/91	12	1		67	N	
1	8/10/91	13	1		67	N	
1	8/10/91	14	1		68	N	
1	8/18/91	1	1		72	Y	J 890523512-20
1	8/18/91	2	1		71.6	N	
1	8/18/91	3	1		70.9	N	
1	8/18/91	5	1		68.9	N	
1	8/18/91	6	1		67.8	N	
1	8/18/91	7	1		67.1	N	
1	8/18/91	8	1		66.6	N	
1	8/18/91	9	1		66.4	N	
1	8/18/91	10	1		66.3	N	
1	8/18/91	11	1		66.2	N	
1	8/18/91	12	1		66.2	N	
1	8/18/91	13	1		66.3	N	
1	8/18/91	14	1		66.6	N	
1	8/24/91	1	1		74.3	Y	J 890523512-20
1	8/24/91	2	1		73.9	N	
1	8/24/91	3	1		73.2	N	
1	8/24/91	5	1		71.4	N	
1	8/24/91	6	1		70.2	N	
1	8/24/91	7	1		69.6	N	
1	8/24/91	8	1		69.3	N	
1	8/24/91	9	1		69.1	N	
1	8/24/91	10	1		68.8	N	
1	8/24/91	11	1		68.7	N	
1	8/24/91	12	1		68.7	N	
1	8/24/91	13	1		68.8	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/31/91	1	1		73.1	Y	J-890423320-42
1	8/31/91	2	1		72.8	N	
1	8/31/91	3	1		72.2	N	
1	8/31/91	5	1		70.3	N	
1	8/31/91	6	1		69.5	N	
1	8/31/91	7	1		69.1	N	
1	8/31/91	8	1		68.9	N	
1	8/31/91	9	1		68.7	N	
1	8/31/91	10	1		68.5	N	
1	8/31/91	11	1		68.5	N	
1	8/31/91	12	1		68.5	N	
1	8/31/91	13	1		68.6	N	
1	8/31/91	14	1		68.9	N	
1	9/8/91	1	1		73.2	Y	J-890423320-42
1	9/8/91	2	1		72.9	N	
1	9/8/91	3	1		72.2	N	
1	9/8/91	5	1		70.3	N	
1	9/8/91	6	1		69.5	N	
1	9/8/91	7	1		69.1	N	
1	9/8/91	8	1		68.9	N	
1	9/8/91	9	1		68.7	N	
1	9/8/91	10	1		68.5	N	
1	9/8/91	11	1		68.5	N	
1	9/8/91	12	1		68.6	N	
1	9/8/91	13	1		68.6	N	
1	9/8/91	14	1		68.9	N	
1	9/15/91	1	1		72.6	Y	J-910126143-75
1	9/15/91	2	1		72.5	N	
1	9/15/91	3	1		72	N	
1	9/15/91	5	1		70.1	N	
1	9/15/91	6	1		69.5	N	
1	9/15/91	7	1		69.4	N	
1	9/15/91	8	1		69.3	N	
1	9/15/91	9	1		69.1	N	
1	9/15/91	10	1		69.1	N	
1	9/15/91	11	1		68.9	N	
1	9/15/91	12	1		68.8	N	
1	9/15/91	13	1		68.9	N	
1	9/15/91	14	1		69.2	N	
1	9/22/91	1	1		72.7	Y	J-910126143-75
1	9/22/91	2	1		72.5	N	
1	9/22/91	3	1		71.9	N	
1	9/22/91	5	1		70.1	N	
1	9/22/91	6	1		69.6	N	
1	9/22/91	7	1		69.9	N	
1	9/22/91	8	1		70.2	N	
1	9/22/91	9	1		70.4	N	
1	9/22/91	10	1		70.6	N	
1	9/22/91	11	1		70.8	N	
1	9/22/91	12	1		70.9	N	
1	9/22/91	13	1		71.1	N	
1	9/22/91	14	1		71.3	N	
1	9/28/91	1	1		73.5	Y	J-KEITHLY 872 #T1-059
1	9/28/91	2	1		73.4	N	
1	9/28/91	3	1		73	N	
1	9/28/91	5	1		71.5	N	
1	9/28/91	6	1		71	N	
1	9/28/91	7	1		71.1	N	
1	9/28/91	8	1		71.1	N	
1	9/28/91	9	1		71.1	N	
1	9/28/91	10	1		71.1	N	
1	9/28/91	11	1		71.1	N	
1	9/28/91	12	1		71.1	N	
1	9/28/91	13	1		71.2	N	
1	9/28/91	14	1		71.4	N	
1	10/5/91	1	1		73.7	Y	J-910126143-42

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	10/5/91	2	1		73.2	N	
1	10/5/91	3	1		72.5	N	
1	10/5/91	5	1		70.6	N	
1	10/5/91	6	1		70.2	N	
1	10/5/91	7	1		70.5	N	
1	10/5/91	8	1		70.7	N	
1	10/5/91	9	1		70.9	N	
1	10/5/91	10	1		71.2	N	
1	10/5/91	11	1		71.4	N	
1	10/5/91	12	1		71.5	N	
1	10/5/91	13	1		71.6	N	
1	10/5/91	14	1		71.7	N	
1	10/12/91	1	1		72.7	Y	J-TI023
1	10/12/91	2	1		72.6	N	
1	10/12/91	3	1		72.4	N	
1	10/12/91	5	1		71.3	N	
1	10/12/91	6	1		71.1	N	
1	10/12/91	7	1		71	N	
1	10/12/91	8	1		70.9	N	
1	10/12/91	9	1		70.8	N	
1	10/12/91	10	1		70.7	N	
1	10/12/91	11	1		70.6	N	
1	10/12/91	12	1		70.6	N	
1	10/12/91	13	1		70.6	N	
1	10/12/91	14	1		70.7	N	
1	10/19/91	9	1		72.5	N	
1	10/19/91	10	1		78.6	N	
1	10/19/91	11	1		57	N	
1	10/19/91	12	1		72.8	N	
1	10/19/91	13	1		61.4	N	
1	10/19/91	14	1		50.8	N	
1	10/27/91	1	1		73.2	Y	J-910126143-75 TC #4 O/S
1	10/27/91	2	1		73	N	
1	10/27/91	3	1		72.7	N	
1	10/27/91	5	1		72.2	N	
1	10/27/91	6	1		71.9	N	
1	10/27/91	7	1		71.8	N	
1	10/27/91	8	1		71.6	N	
1	10/27/91	9	1		71.6	N	
1	10/27/91	10	1		71.6	N	
1	10/27/91	11	1		71.6	N	
1	10/27/91	12	1		71.6	N	
1	10/27/91	13	1		71.6	N	
1	10/27/91	14	1		71.7	N	
1	11/2/91	1	1		72	Y	J-890523512-47 TC#4,15,16 O/S
1	11/2/91	2	1		72	N	
1	11/2/91	3	1		72	N	
1	11/2/91	5	1		71	N	
1	11/2/91	6	1		70	N	
1	11/2/91	7	1		70	N	
1	11/2/91	8	1		70	N	
1	11/2/91	9	1		70	N	
1	11/2/91	10	1		71	N	
1	11/2/91	11	1		71	N	
1	11/2/91	12	1		71	N	
1	11/2/91	13	1		71	N	
1	11/2/91	14	1		71	N	
1	11/9/91	1	1		71	Y	J-2E-OP-02, TC #4,15,16 O/S
1	11/9/91	2	1		71	N	
1	11/9/91	3	1		71	N	
1	11/9/91	5	1		70	N	
1	11/9/91	6	1		70	N	
1	11/9/91	7	1		70	N	
1	11/9/91	8	1		70	N	
1	11/9/91	9	1		69	N	
1	11/9/91	10	1		70	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/9/91	11	1		69	N	
1	11/9/91	12	1		70	N	
1	11/9/91	13	1		70	N	
1	11/9/91	14	1		70	N	
1	11/17/91	1	1		73	Y	J-910126143-75, TC #4 O/S
1	11/17/91	2	1		72.8	N	
1	11/17/91	3	1		72.6	N	
1	11/17/91	5	1		71.4	N	
1	11/17/91	6	1		71.5	N	
1	11/17/91	7	1		70.7	N	
1	11/17/91	8	1		70.2	N	
1	11/17/91	9	1		70.1	N	
1	11/17/91	10	1		70.1	N	
1	11/17/91	11	1		70.1	N	
1	11/17/91	12	1		70.1	N	
1	11/17/91	13	1		70	N	
1	11/17/91	14	1		70	N	
1	11/24/91	1	1		74.6	Y	J-910126143-75,TC #4 15-16 O/S
1	11/24/91	2	1		74.5	N	
1	11/24/91	3	1		74.3	N	
1	11/24/91	5	1		73.6	N	
1	11/24/91	6	1		73	N	
1	11/24/91	7	1		72	N	
1	11/24/91	8	1		71.4	N	
1	11/24/91	9	1		71.4	N	
1	11/24/91	10	1		71.4	N	
1	11/24/91	11	1		71.3	N	
1	11/24/91	12	1		71.3	N	
1	11/24/91	13	1		71.3	N	
1	11/24/91	14	1		71.3	N	
1	12/1/91	1	1		73.7	Y	J-910126143-14, TC #4 O/S
1	12/1/91	2	1		73.6	N	
1	12/1/91	3	1		73.4	N	
1	12/1/91	5	1		72.6	N	
1	12/1/91	6	1		71.9	N	
1	12/1/91	7	1		70.7	N	
1	12/1/91	8	1		69.9	N	
1	12/1/91	9	1		69.8	N	
1	12/1/91	10	1		69.8	N	
1	12/1/91	11	1		69.8	N	
1	12/1/91	12	1		69.8	N	
1	12/1/91	13	1		69.6	N	
1	12/1/91	14	1		69.7	N	
1	12/6/91	1	1		74.6	Y	J-910126143-29, TC #3-6 O/S TC 7-14 NO READINGS
1	12/6/91	2	1		74.5	N	
1	12/8/91	1	1		74.1	Y	J-910126143-48 TC #4 NO READINGS
1	12/8/91	2	1		74	N	
1	12/8/91	3	1		73.8	N	
1	12/8/91	5	1		72.9	N	
1	12/8/91	6	1		72	N	
1	12/8/91	7	1		70.6	N	
1	12/8/91	8	1		69.7	N	
1	12/8/91	9	1		69.6	N	
1	12/8/91	10	1		69.5	N	
1	12/8/91	11	1		69.4	N	
1	12/8/91	12	1		69.4	N	
1	12/8/91	13	1		69.4	N	
1	12/8/91	14	1		69.3	N	
1	12/14/91	1	1		74.7	Y	J-910126143-29
1	12/14/91	2	1		74.6	N	
1	12/14/91	3	1		74.4	N	
1	12/14/91	5	1		73.1	N	
1	12/14/91	6	1		72.2	N	
1	12/14/91	7	1		70.8	N	
1	12/14/91	8	1		69.8	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/14/91	9	1		69.8	N	
1	12/14/91	10	1		69.7	N	
1	12/14/91	11	1		69.5	N	
1	12/14/91	12	1		69.5	N	
1	12/14/91	13	1		69.5	N	
1	12/14/91	14	1		69.5	N	
1	12/20/91	1	1			N	NO READINGS
1	12/22/91	1	1		75.5	Y	J-900925741 OMEGA TC #10 BAD DATA
1	12/22/91	2	1		75.4	N	
1	12/22/91	3	1		75.2	N	
1	12/22/91	4	1		74.9	N	
1	12/22/91	5	1		71	N	
1	12/22/91	6	1		73	N	
1	12/22/91	7	1		71.2	N	
1	12/22/91	8	1		70.1	N	
1	12/22/91	9	1		64.1	N	
1	12/22/91	11	1		70	N	
1	12/22/91	12	1		70	N	
1	12/22/91	13	1		70	N	
1	12/22/91	14	1		69.9	N	
1	12/29/91	1	1		74.6	Y	J-910126143-29 TC #10 BAD DATA
1	12/29/91	2	1		74.2	N	
1	12/29/91	3	1		73.8	N	
1	12/29/91	4	1		73.2	N	
1	12/29/91	5	1		68.8	N	
1	12/29/91	6	1		70.9	N	
1	12/29/91	7	1		68.9	N	
1	12/29/91	8	1		65.5	N	
1	12/29/91	9	1		64.3	N	
1	12/29/91	11	1		67.4	N	
1	12/29/91	12	1		67.5	N	
1	12/29/91	13	1		67.7	N	
1	12/29/91	14	1		67.8	N	
1	1/4/92	1	1			N	TCs not available
1	1/11/92	1	1		73.5	Y	J-910126143-14
1	1/11/92	2	1		73.1	N	
1	1/11/92	3	1		72.7	N	
1	1/11/92	4	1		72.1	N	
1	1/11/92	5	1		70.9	N	
1	1/11/92	6	1		69.3	N	
1	1/11/92	7	1		67.1	N	
1	1/11/92	8	1		66	N	
1	1/11/92	9	1		65.5	N	
1	1/11/92	10	1		65.4	N	
1	1/11/92	11	1		65.3	N	
1	1/11/92	12	1		65.5	N	
1	1/11/92	13	1		65.6	N	
1	1/11/92	14	1		65.7	N	
1	1/16/92	1	1		74.8	Y	J 910126143-32
1	1/16/92	2	1		74.3	N	
1	1/16/92	3	1		73.8	N	
1	1/16/92	4	1		73.1	N	
1	1/16/92	5	1		72	N	
1	1/16/92	6	1		70.7	N	
1	1/16/92	7	1		67.7	N	
1	1/16/92	8	1		66.3	N	
1	1/16/92	9	1		66	N	
1	1/16/92	10	1		66	N	
1	1/16/92	11	1		66	N	
1	1/16/92	12	1		66.2	N	
1	1/16/92	13	1		66.2	N	
1	1/16/92	14	1		66.4	N	
1	1/25/92	1	1		73.6	Y	J-910126143-14
1	1/25/92	2	1		73.3	N	
1	1/25/92	3	1		72.9	N	
1	1/25/92	4	1		72.2	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/25/92	5	1		70.9	N	
1	1/25/92	6	1		68.8	N	
1	1/25/92	7	1		66.2	N	
1	1/25/92	8	1		64.8	N	
1	1/25/92	9	1		64.6	N	
1	1/25/92	10	1		64.7	N	
1	1/25/92	11	1		64.8	N	
1	1/25/92	12	1		65	N	
1	1/25/92	13	1		65	N	
1	1/25/92	14	1		65.2	N	
1	1/28/92	1	1			N	ACCESS RESTRICTED 1/28 - 2/22 DUE TO BATTERY FUME INCIDENT
1	2/24/92	1	1		74.7	Y	J-900925741-79
1	2/24/92	2	1		74.3	N	
1	2/24/92	3	1		73.7	N	
1	2/24/92	4	1		72.8	N	
1	2/24/92	5	1		71.2	N	
1	2/24/92	6	1		68.8	N	
1	2/24/92	7	1		65.9	N	
1	2/24/92	8	1		64.4	N	
1	2/24/92	9	1		64.1	N	
1	2/24/92	10	1		64.1	N	
1	2/24/92	11	1		64.2	N	
1	2/24/92	12	1		64.3	N	
1	2/24/92	13	1		64.4	N	
1	2/24/92	14	1		64.5	N	
1	2/29/92	1	1		74.5	Y	J-91012614332
1	2/29/92	2	1		74	N	
1	2/29/92	3	1		73.3	N	
1	2/29/92	4	1		72.4	N	
1	2/29/92	5	1		70.6	N	
1	2/29/92	6	1		68.2	N	
1	2/29/92	7	1		65.3	N	
1	2/29/92	8	1		63.8	N	
1	2/29/92	9	1		63.5	N	
1	2/29/92	10	1		63.5	N	
1	2/29/92	11	1		63.5	N	
1	2/29/92	12	1		63.6	N	
1	2/29/92	13	1		63.8	N	
1	2/29/92	14	1		64	N	
1	3/8/92	1	1		73.2	Y	J 910126143-48
1	3/8/92	2	1		72.8	N	
1	3/8/92	3	1		72	N	
1	3/8/92	4	1		72	N	
1	3/8/92	5	1		70.4	N	
1	3/8/92	6	1		67.9	N	
1	3/8/92	7	1		65	N	
1	3/8/92	8	1		63.5	N	
1	3/8/92	9	1		63.4	N	
1	3/8/92	10	1		63.4	N	
1	3/8/92	11	1		63.3	N	
1	3/8/92	12	1		63.4	N	
1	3/8/92	13	1		63.4	N	
1	3/8/92	14	1		63.4	N	
1	3/15/92	1	1		73.9	Y	J-910126143-32
1	3/15/92	2	1		73.5	N	
1	3/15/92	3	1		72.9	N	
1	3/15/92	4	1		72.1	N	
1	3/15/92	5	1		70.3	N	
1	3/15/92	6	1		67.8	N	
1	3/15/92	7	1		64.8	N	
1	3/15/92	8	1		63.1	N	
1	3/15/92	9	1		62.9	N	
1	3/15/92	10	1		62.9	N	
1	3/15/92	11	1		62.9	N	
1	3/15/92	12	1		63	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101 THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/15/92	13	1		63	N	
1	3/15/92	14	1		63.1	N	
1	3/20/92	1	1		74	Y	J 91012614332
1	3/20/92	2	1		73.6	N	
1	3/20/92	3	1		73	N	
1	3/20/92	4	1		72.1	N	
1	3/20/92	5	1		70.3	N	
1	3/20/92	6	1		67.9	N	
1	3/20/92	7	1		64.9	N	
1	3/20/92	8	1		63.4	N	
1	3/20/92	9	1		63.2	N	
1	3/20/92	10	1		63.2	N	
1	3/20/92	11	1		63.1	N	
1	3/20/92	12	1		63.2	N	
1	3/20/92	14	1		63.2	N	
1	3/29/92	1	1		74.5	Y	J 910126143-66
1	3/29/92	2	1		73.9	N	
1	3/29/92	3	1		73.2	N	
1	3/29/92	4	1		72.3	N	
1	3/29/92	5	1		70.5	N	
1	3/29/92	6	1		68	N	
1	3/29/92	7	1		65.1	N	
1	3/29/92	8	1		63.6	N	
1	3/29/92	9	1		63.3	N	
1	3/29/92	10	1		63.3	N	
1	3/29/92	11	1		63.3	N	
1	3/29/92	12	1		63.4	N	
1	3/29/92	13	1		63.4	N	
1	3/29/92	14	1		63.6	N	
1	4/3/92	1	1		73.1	Y	J 910126143-14
1	4/3/92	2	1		72.8	N	
1	4/3/92	3	1		72.1	N	
1	4/3/92	4	1		71.3	N	
1	4/3/92	5	1		69.4	N	
1	4/3/92	6	1		67	N	
1	4/3/92	7	1		64.3	N	
1	4/3/92	8	1		62.8	N	
1	4/3/92	9	1		62.8	N	
1	4/3/92	10	1		62.8	N	
1	4/3/92	11	1		62.9	N	
1	4/3/92	12	1		62.8	N	
1	4/3/92	13	1		62.9	N	
1	4/3/92	14	1		63	N	
1	4/11/92	1	1		74.4	Y	J 910126143-64
1	4/11/92	2	1		73.9	N	
1	4/11/92	3	1		73.2	N	
1	4/11/92	4	1		72.1	N	
1	4/11/92	5	1		70.2	N	
1	4/11/92	6	1		67.7	N	
1	4/11/92	7	1		65	N	
1	4/11/92	8	1		63.6	N	
1	4/11/92	9	1		63.4	N	
1	4/11/92	10	1		63.5	N	
1	4/11/92	11	1		63.6	N	
1	4/11/92	12	1		63.8	N	
1	4/11/92	13	1		64	N	
1	4/11/92	14	1		64.3	N	
1	4/17/92	1	1		75.6	Y	J 890523512 20
1	4/17/92	2	1		74.9	N	
1	4/17/92	3	1		74.1	N	
1	4/17/92	4	1		73	N	
1	4/17/92	5	1		71.2	N	
1	4/17/92	6	1		68.7	N	
1	4/17/92	7	1		66	N	
1	4/17/92	8	1		64.8	N	
1	4/17/92	9	1		64.5	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	4/17/92	10	1		64.6	N	
1	4/17/92	11	1		64.6	N	
1	4/17/92	12	1		64.8	N	
1	4/17/92	13	1		64.9	N	
1	4/17/92	14	1		65.1	N	
1	4/25/92	1	1		76.5	N	J 89052351220
1	4/25/92	2	1		76.8	Y	
1	4/25/92	3	1		75.9	N	
1	4/25/92	4	1		74.4	N	
1	4/25/92	5	1		72.3	N	
1	4/25/92	6	1		69.8	N	
1	4/25/92	7	1		67	N	
1	4/25/92	8	1		65.4	N	
1	4/25/92	9	1		65.5	N	
1	4/25/92	10	1		65.7	N	
1	4/25/92	11	1		65.9	N	
1	4/25/92	12	1		66.2	N	
1	4/25/92	13	1		66.3	N	
1	4/25/92	14	1		66.4	N	
1	4/30/92	1	1		71.4	Y	J 890523512-47
1	4/30/92	2	1		70.6	N	
1	4/30/92	3	1		69.8	N	
1	4/30/92	4	1		68.7	N	
1	4/30/92	5	1		67.1	N	
1	4/30/92	6	1		64.7	N	
1	4/30/92	7	1		62.1	N	
1	4/30/92	8	1		60.9	N	
1	4/30/92	9	1		60.6	N	
1	4/30/92	10	1		60.7	N	
1	4/30/92	11	1		60.7	N	
1	4/30/92	12	1		60.9	N	
1	4/30/92	13	1		61.2	N	
1	4/30/92	14	1		61.5	N	
1	5/8/92	1	1		73.2	Y	J 910126143-48
1	5/8/92	2	1		72.5	N	
1	5/8/92	3	1		71.6	N	
1	5/8/92	4	1		70.5	N	
1	5/8/92	5	1		68.7	N	
1	5/8/92	6	1		66.4	N	
1	5/8/92	7	1		64.2	N	
1	5/8/92	8	1		63	N	
1	5/8/92	9	1		62.7	N	
1	5/8/92	10	1		62.7	N	
1	5/8/92	11	1		62.8	N	
1	5/8/92	12	1		63	N	
1	5/8/92	13	1		63.2	N	
1	5/8/92	14	1		63.4	N	
1	5/16/92	1	1		74.3	Y	J 910126143-32
1	5/16/92	2	1		74.3	N	
1	5/16/92	3	1		73.6	N	
1	5/16/92	4	1		72.5	N	
1	5/16/92	5	1		70.6	N	
1	5/16/92	6	1		68.3	N	
1	5/16/92	7	1		66	N	
1	5/16/92	8	1		64.8	N	
1	5/16/92	9	1		64.9	N	
1	5/16/92	10	1		65.7	N	
1	5/16/92	11	1		65.2	N	
1	5/16/92	12	1		65.5	N	
1	5/16/92	13	1		65.6	N	
1	5/16/92	14	1		65.7	N	
1	5/24/92	1	1		73.8	Y	J 890523512-47
1	5/24/92	2	1		73.7	N	
1	5/24/92	3	1		72.8	N	
1	5/24/92	4	1		71.5	N	
1	5/24/92	5	1		69.4	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	5/24/92	6	1		67.2	N	
1	5/24/92	7	1		65	N	
1	5/24/92	8	1		63.8	N	
1	5/24/92	9	1		64.1	N	
1	5/24/92	10	1		64.4	N	
1	5/24/92	11	1		64.7	N	
1	5/24/92	12	1		65.1	N	
1	5/24/92	13	1		65.3	N	
1	5/24/92	14	1		65.4	N	
1	5/28/92	1	1		72.2	Y	J 890523512-47
1	5/28/92	2	1		71.7	N	
1	5/28/92	3	1		70.7	N	
1	5/28/92	4	1		69.7	N	
1	5/28/92	5	1		68	N	
1	5/28/92	6	1		65.9	N	
1	5/28/92	7	1		63.9	N	
1	5/28/92	8	1		62.9	N	
1	5/28/92	9	1		62.8	N	
1	5/28/92	10	1		62.8	N	
1	5/28/92	11	1		63	N	
1	5/28/92	12	1		63.2	N	
1	5/28/92	13	1		63.4	N	
1	5/28/92	14	1		63.6	N	
1	6/5/92	1	1		72.3	Y	J 910126143-50
1	6/5/92	2	1		72.2	N	
1	6/5/92	3	1		71.6	N	
1	6/5/92	4	1		70.7	N	
1	6/5/92	5	1		69.2	N	
1	6/5/92	6	1		67.4	N	
1	6/5/92	7	1		65.5	N	
1	6/5/92	8	1		64.7	N	
1	6/5/92	9	1		64.8	N	
1	6/5/92	10	1		64.7	N	
1	6/5/92	11	1		64.9	N	
1	6/5/92	12	1		64.9	N	
1	6/5/92	13	1		64.9	N	
1	6/5/92	14	1		65	N	
1	6/13/92	1	1		69.7	Y	J 890523512-47
1	6/13/92	2	1		68.9	N	
1	6/13/92	3	1		68.1	N	
1	6/13/92	4	1		67.6	N	
1	6/13/92	5	1		67.2	N	
1	6/13/92	6	1		65.7	N	
1	6/13/92	7	1		63.8	N	
1	6/13/92	8	1		62.3	N	
1	6/13/92	9	1		61.7	N	
1	6/13/92	10	1		61.4	N	
1	6/13/92	11	1		61.4	N	
1	6/13/92	12	1		61.6	N	
1	6/13/92	13	1		61.7	N	
1	6/13/92	14	1		61.9	N	
1	6/20/92	1	1		74.4	N	J 910126143-48
1	6/20/92	2	1		74.6	Y	
1	6/20/92	3	1		73.7	N	
1	6/20/92	4	1		72.4	N	
1	6/20/92	5	1		70.6	N	
1	6/20/92	6	1		68.4	N	
1	6/20/92	7	1		67	N	
1	6/20/92	8	1		67.4	N	
1	6/20/92	9	1		66.6	N	
1	6/20/92	10	1		66.9	N	
1	6/20/92	11	1		67.2	N	
1	6/20/92	12	1		67.5	N	
1	6/20/92	13	1		67.8	N	
1	6/20/92	14	1		68	N	
1	6/28/92	1	1		73.3	Y	J TI-042 910126143-66

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	6/28/92	2	1		72.9	N	
1	6/28/92	3	1		72.7	N	
1	6/28/92	4	1		72	N	
1	6/28/92	5	1		70.6	N	
1	6/28/92	6	1		69.2	N	
1	6/28/92	7	1		68	N	
1	6/28/92	8	1		67.6	N	
1	6/28/92	9	1		67.7	N	
1	6/28/92	10	1		67.8	N	
1	6/28/92	11	1		67.9	N	
1	6/28/92	12	1		67.9	N	
1	6/28/92	13	1		68	N	
1	6/28/92	14	1		68	N	
1	7/3/92	1	1		72.2	Y	J TI-041
1	7/3/92	2	1		72	N	
1	7/3/92	3	1		71.4	N	
1	7/3/92	4	1		70.6	N	
1	7/3/92	5	1		69.4	N	
1	7/3/92	6	1		68	N	
1	7/3/92	7	1		66.8	N	
1	7/3/92	8	1		66.3	N	
1	7/3/92	9	1		66.4	N	
1	7/3/92	10	1		66.4	N	
1	7/3/92	11	1		66.5	N	
1	7/3/92	12	1		66.5	N	
1	7/3/92	13	1		66.6	N	
1	7/3/92	14	1		66.6	N	
1	7/10/92	1	1		72.4	Y	J 910126143-42
1	7/10/92	2	1		71.6	N	
1	7/10/92	3	1		70.8	N	
1	7/10/92	4	1		69.9	N	
1	7/10/92	5	1		68.7	N	
1	7/10/92	6	1		67.4	N	
1	7/10/92	7	1		66.4	N	
1	7/10/92	8	1		66	N	
1	7/10/92	9	1		65.7	N	
1	7/10/92	10	1		65.8	N	
1	7/10/92	11	1		66	N	
1	7/10/92	12	1		66.1	N	
1	7/10/92	13	1		66.3	N	
1	7/10/92	14	1		66.7	N	
1	7/18/92	1	1		72.6	Y	J 910126143-42
1	7/18/92	2	1		72.2	N	
1	7/18/92	3	1		71.6	N	
1	7/18/92	4	1		70.7	N	
1	7/18/92	5	1		69.6	N	
1	7/18/92	6	1		68.2	N	
1	7/18/92	7	1		67.3	N	
1	7/18/92	8	1		66.8	N	
1	7/18/92	9	1		66.9	N	
1	7/18/92	10	1		67.2	N	
1	7/18/92	11	1		67.5	N	
1	7/18/92	12	1		67.7	N	
1	7/18/92	13	1		69.8	N	
1	7/18/92	14	1		68.3	N	
1	7/24/92	1	1		72.7	Y	J HH-99A 910126143-29
1	7/24/92	2	1		72.1	N	
1	7/24/92	3	1		71.4	N	
1	7/24/92	4	1		70.7	N	
1	7/24/92	5	1		69.7	N	
1	7/24/92	6	1		68.6	N	
1	7/24/92	7	1		67.9	N	
1	7/24/92	8	1		67.8	N	
1	7/24/92	9	1		67.5	N	
1	7/24/92	10	1		67.5	N	
1	7/24/92	11	1		67.7	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101 THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	7/24/92	12	1		67.8	N	
1	7/24/92	13	1		67.9	N	
1	7/24/92	14	1		68.1	N	
1	8/1/92	1	1		80.1	N	J TI-041
1	8/1/92	2	1		80.5	Y	
1	8/1/92	3	1		79.9	N	
1	8/1/92	4	1		78.5	N	
1	8/1/92	5	1		76.8	N	
1	8/1/92	6	1		75	N	
1	8/1/92	7	1		73.1	N	
1	8/1/92	8	1		72	N	
1	8/1/92	9	1		72.1	N	
1	8/1/92	10	1		72.4	N	
1	8/1/92	11	1		72.5	N	
1	8/1/92	12	1		73	N	
1	8/1/92	13	1		73.4	N	
1	8/1/92	14	1		73.8	N	
1	8/7/92	1	1		71.6	Y	J 890423320-42
1	8/7/92	2	1		71.4	N	
1	8/7/92	3	1		70.9	N	
1	8/7/92	4	1		70.3	N	
1	8/7/92	5	1		69.6	N	
1	8/7/92	6	1		68.8	N	
1	8/7/92	7	1		68.4	N	
1	8/7/92	8	1		68.3	N	
1	8/7/92	9	1		68.4	N	
1	8/7/92	10	1		68.4	N	
1	8/7/92	11	1		68.6	N	
1	8/7/92	12	1		68.5	N	
1	8/7/92	13	1		68.6	N	
1	8/7/92	14	1		68.7	N	
1	8/15/92	1	1		72.9	N	J 890423320
1	8/15/92	2	1		73.1	Y	
1	8/15/92	3	1		72.9	N	
1	8/15/92	4	1		72.3	N	
1	8/15/92	5	1		71.5	N	
1	8/15/92	6	1		70.9	N	
1	8/15/92	7	1		70.6	N	
1	8/15/92	8	1		70.5	N	
1	8/15/92	9	1		70.9	N	
1	8/15/92	10	1		71.1	N	
1	8/15/92	11	1		71.3	N	
1	8/15/92	12	1		71.3	N	
1	8/15/92	13	1		71.5	N	
1	8/15/92	14	1		71.5	N	
1	8/21/92	1	1		72.2	Y	J 890423320-42
1	8/21/92	2	1		72.1	N	
1	8/21/92	3	1		71.8	N	
1	8/21/92	4	1		71.4	N	
1	8/21/92	5	1		70.7	N	
1	8/21/92	6	1		70.1	N	
1	8/21/92	7	1		69.9	N	
1	8/21/92	8	1		69.9	N	
1	8/21/92	9	1		70	N	
1	8/21/92	10	1		70.2	N	
1	8/21/92	11	1		70.3	N	
1	8/21/92	12	1		70.3	N	
1	8/21/92	13	1		70.4	N	
1	8/21/92	14	1		70.5	N	
1	8/30/92	1	1		73.2	N	J 890423320-42
1	8/30/92	2	1		73.4	Y	
1	8/30/92	3	1		73.2	N	
1	8/30/92	4	1		72.7	N	
1	8/30/92	5	1		72	N	
1	8/30/92	6	1		71.6	N	
1	8/30/92	7	1		71.5	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101 THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/30/92	8	1		71.5	N	
1	8/30/92	9	1		72	N	
1	8/30/92	10	1		72.3	N	
1	8/30/92	11	1		72.5	N	
1	8/30/92	12	1		72.7	N	
1	8/30/92	13	1		72.8	N	
1	8/30/92	14	1		72.9	N	
1	9/6/92	1	1		72.1	Y	J 890423320-42
1	9/6/92	2	1		72	N	
1	9/6/92	3	1		71.7	N	
1	9/6/92	4	1		71.4	N	
1	9/6/92	5	1		70.5	N	
1	9/6/92	6	1		70.5	N	
1	9/6/92	7	1		70.8	N	
1	9/6/92	8	1		70.8	N	
1	9/6/92	9	1		70.5	N	
1	9/6/92	10	1		75	N	
1	9/6/92	11	1		71.1	N	
1	9/6/92	12	1		71	N	
1	9/6/92	13	1		71.1	N	
1	9/6/92	14	1		71.2	N	
1	9/12/92	1	1		73.5	Y	J 890423320-42
1	9/12/92	2	1		73.3	N	
1	9/12/92	3	1		73.1	N	
1	9/12/92	4	1		72.8	N	
1	9/12/92	5	1		72.5	N	
1	9/12/92	6	1		72.3	N	
1	9/12/92	7	1		72.4	N	
1	9/12/92	8	1		72.5	N	
1	9/12/92	9	1		72.6	N	
1	9/12/92	10	1		72.6	N	
1	9/12/92	11	1		72.6	N	
1	9/12/92	12	1		72.6	N	
1	9/12/92	13	1		72.6	N	
1	9/12/92	14	1		72.7	N	
1	9/20/92	1	1		73.3	Y	J 910126143-64
1	9/20/92	2	1		73.1	N	
1	9/20/92	3	1		72.9	N	
1	9/20/92	4	1		72.6	N	
1	9/20/92	5	1		72.3	N	
1	9/20/92	6	1		72.2	N	
1	9/20/92	7	1		72.3	N	
1	9/20/92	8	1		72.4	N	
1	9/20/92	9	1		72.4	N	
1	9/20/92	10	1		72.5	N	
1	9/20/92	11	1		72.5	N	
1	9/20/92	12	1		72.5	Y	
1	9/20/92	13	1		72.5	N	
1	9/20/92	14	1		72.5	N	
1	9/26/92	1	1		71.5	Y	J 910126143-64
1	9/26/92	2	1		71.1	N	
1	9/26/92	3	1		70.7	N	
1	9/26/92	4	1		70.2	N	
1	9/26/92	5	1		69.9	N	
1	9/26/92	6	1		69.7	N	
1	9/26/92	7	1		69.7	N	
1	9/26/92	8	1		69.8	N	
1	9/26/92	9	1		69.6	N	
1	9/26/92	10	1		69.7	N	
1	9/26/92	11	1		69.8	N	
1	9/26/92	12	1		69.9	N	
1	9/26/92	13	1		70	N	
1	9/26/92	14	1		70.3	N	
1	10/1/92	1	1		72	Y	J 890423320-42
1	10/1/92	2	1		72	N	
1	10/1/92	3	1		71.6	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	10/1/92	4	1		70.6	N	
1	10/1/92	5	1		70.6	N	
1	10/1/92	6	1		70.5	N	
1	10/1/92	7	1		70.5	N	
1	10/1/92	8	1		70.5	N	
1	10/1/92	9	1		70.6	N	
1	10/1/92	10	1		70.6	N	
1	10/1/92	11	1		70.6	N	
1	10/1/92	12	1		70.6	N	
1	10/1/92	13	1		70.6	N	
1	10/1/92	14	1		70.6	N	
1	10/10/92	1	1		73.2	Y	J 910126143-48
1	10/10/92	2	1		73.2	N	
1	10/10/92	3	1		73	N	
1	10/10/92	4	1		72.8	N	
1	10/10/92	5	1		72.6	N	
1	10/10/92	6	1		72.5	N	
1	10/10/92	7	1		72.5	N	
1	10/10/92	8	1		72.4	N	
1	10/10/92	9	1		72.5	N	
1	10/10/92	10	1		72.5	N	
1	10/10/92	11	1		72.5	N	
1	10/10/92	12	1		72.6	N	
1	10/10/92	13	1		72.6	N	
1	10/10/92	14	1		72.6	N	
1	10/18/92	1	1		73.1	Y	J 910125143-40
1	10/18/92	2	1		72.6	N	
1	10/18/92	3	1		72.2	N	
1	10/18/92	4	1		71.9	N	
1	10/18/92	5	1		71.6	N	
1	10/18/92	6	1		71.4	N	
1	10/18/92	7	1		71.3	N	
1	10/18/92	8	1		71.2	N	
1	10/18/92	9	1		70.9	N	
1	10/18/92	10	1		70.9	N	
1	10/18/92	11	1		71	N	
1	10/18/92	12	1		71.1	N	
1	10/18/92	13	1		71.3	N	
1	10/18/92	14	1		71.5	N	
1	10/24/92	1	1		73.8	Y	J 910126143-66
1	10/24/92	2	1		73.4	N	
1	10/24/92	3	1		73	N	
1	10/24/92	4	1		72.7	N	
1	10/24/92	5	1		72.4	N	
1	10/24/92	6	1		72.1	N	
1	10/24/92	7	1		72	N	
1	10/24/92	8	1		71.7	N	
1	10/24/92	9	1		71.6	N	
1	10/24/92	10	1		71.5	N	
1	10/24/92	11	1		71.6	N	
1	10/24/92	12	1		71.6	N	
1	10/24/92	13	1		71.7	N	
1	10/24/92	14	1		71.8	N	
1	10/28/92	1	1		74.2	Y	J 91012614366
1	10/28/92	2	1		73.7	N	
1	10/28/92	3	1		73.2	N	
1	10/28/92	4	1		73	N	
1	10/28/92	5	1		72.7	N	
1	10/28/92	6	1		72.4	N	
1	10/28/92	7	1		72.1	N	
1	10/28/92	8	1		71.9	N	
1	10/28/92	9	1		71.6	N	
1	10/28/92	10	1		71.6	N	
1	10/28/92	11	1		71.7	N	
1	10/28/92	12	1		71.8	N	
1	10/28/92	13	1		72	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	10/28/92	14	1		72.2	N	
1	11/1/92	1	1		75.5	N	TMACS
1	11/1/92	2	1		75.7	N	
1	11/1/92	3	1		75.5	N	
1	11/1/92	4	1		75.9	N	
1	11/1/92	5	1		76.1	N	
1	11/1/92	6	1		76.2	N	
1	11/1/92	7	1		76.6	N	
1	11/1/92	8	1		77.3	Y	
1	11/1/92	9	1		73	N	
1	11/1/92	10	1		73	N	
1	11/1/92	11	1		73.4	N	
1	11/1/92	12	1		73.5	N	
1	11/1/92	13	1		74.3	N	
1	11/1/92	14	1		74.8	N	
1	11/8/92	1	1		75.5	N	TMACS
1	11/8/92	2	1		75.3	N	
1	11/8/92	3	1		75.5	N	
1	11/8/92	4	1		75.5	N	
1	11/8/92	5	1		75.9	N	
1	11/8/92	6	1		76.1	N	
1	11/8/92	7	1		76.1	N	
1	11/8/92	8	1		76.6	Y	
1	11/8/92	9	1		72.6	N	
1	11/8/92	10	1		72.5	N	
1	11/8/92	11	1		72.8	N	
1	11/8/92	12	1		73	N	
1	11/8/92	13	1		73.5	N	
1	11/8/92	14	1		74.4	N	
1	11/15/92	1	1		75.9	N	TMACS
1	11/15/92	2	1		75.7	N	
1	11/15/92	3	1		76.1	N	
1	11/15/92	4	1		75.9	N	
1	11/15/92	5	1		76.1	N	
1	11/15/92	6	1		76.2	N	
1	11/15/92	7	1		76.1	N	
1	11/15/92	8	1		76.8	Y	
1	11/15/92	9	1		72.5	N	
1	11/15/92	10	1		72.6	N	
1	11/15/92	11	1		72.8	N	
1	11/15/92	12	1		73	N	
1	11/15/92	13	1		73.4	N	
1	11/15/92	14	1		74.4	N	
1	11/20/92	1	1		72.7	N	J 910126143-48
1	11/20/92	2	1		72.4	N	
1	11/20/92	3	1		72.1	N	
1	11/20/92	4	1		71.8	N	
1	11/20/92	5	1		71.5	N	
1	11/20/92	6	1		71	N	
1	11/20/92	7	1		70.1	N	
1	11/20/92	8	1		69.7	N	
1	11/20/92	9	1		69.4	N	
1	11/20/92	10	1		69.4	N	
1	11/20/92	11	1		69.4	N	
1	11/20/92	12	1		69.4	N	
1	11/20/92	13	1		69.6	N	
1	11/20/92	14	1		69.7	N	
1	11/22/92	1	1		75.9	N	TMACS
1	11/22/92	2	1		75.9	N	
1	11/22/92	3	1		76.1	N	
1	11/22/92	4	1		76.2	N	
1	11/22/92	5	1		76.4	Y	
1	11/22/92	6	1		76.1	N	
1	11/22/92	7	1		75.9	N	
1	11/22/92	8	1		76.4	N	
1	11/22/92	9	1		72.1	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/22/92	10	1		72.1	N	
1	11/22/92	11	1		72.6	N	
1	11/22/92	12	1		72.6	N	
1	11/22/92	13	1		73.2	N	
1	11/22/92	14	1		74.1	N	
1	11/29/92	1	1		75.7	N	TMACS
1	11/29/92	2	1		75.5	N	
1	11/29/92	3	1		75.9	Y	
1	11/29/92	4	1		75.9	N	
1	11/29/92	5	1		75.7	N	
1	11/29/92	6	1		75.5	N	
1	11/29/92	7	1		75	N	
1	11/29/92	8	1		75.3	N	
1	11/29/92	9	1		71.4	N	
1	11/29/92	10	1		71.2	N	
1	11/29/92	11	1		71.6	N	
1	11/29/92	12	1		71.7	N	
1	11/29/92	13	1		72.1	N	
1	11/29/92	14	1		73	N	
1	12/6/92	1	1		76.1	N	TMACS
1	12/6/92	2	1		75.9	N	
1	12/6/92	3	1		76.1	N	
1	12/6/92	4	1		76.2	Y	
1	12/6/92	5	1		76.2	N	
1	12/6/92	6	1		75.9	N	
1	12/6/92	7	1		75	N	
1	12/6/92	8	1		75.2	N	
1	12/6/92	9	1		71	N	
1	12/6/92	10	1		71	N	
1	12/6/92	11	1		71.2	N	
1	12/6/92	12	1		71.4	N	
1	12/6/92	13	1		71.9	N	
1	12/6/92	14	1		72.8	N	
1	12/13/92	1	1		75.9	N	TMACS
1	12/13/92	2	1		75.9	N	
1	12/13/92	3	1		75.9	N	
1	12/13/92	4	1		75.9	N	
1	12/13/92	5	1		76.1	Y	
1	12/13/92	6	1		75.3	N	
1	12/13/92	7	1		74.4	N	
1	12/13/92	8	1		74.4	N	
1	12/13/92	9	1		70.1	N	
1	12/13/92	10	1		70.1	N	
1	12/13/92	11	1		70.7	N	
1	12/13/92	12	1		70.7	N	
1	12/13/92	13	1		71.4	N	
1	12/13/92	14	1		72.1	N	
1	12/20/92	1	1		75.5	N	TMACS
1	12/20/92	2	1		76.1	Y	
1	12/20/92	3	1		76.1	N	
1	12/20/92	4	1		76.1	N	
1	12/20/92	5	1		75.7	N	
1	12/20/92	6	1		75.2	N	
1	12/20/92	7	1		73.7	N	
1	12/20/92	8	1		73.5	N	
1	12/20/92	9	1		69.4	N	
1	12/20/92	10	1		69.4	N	
1	12/20/92	11	1		69.8	N	
1	12/20/92	12	1		69.9	N	
1	12/20/92	13	1		70.5	N	
1	12/20/92	14	1		71.2	N	
1	12/27/92	1	1		75.7	N	TMACS
1	12/27/92	2	1		75.9	Y	
1	12/27/92	3	1		75.9	N	
1	12/27/92	4	1		75.9	N	
1	12/27/92	5	1		75.3	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/27/92	6	1		74.6	N	
1	12/27/92	7	1		73	N	
1	12/27/92	8	1		72.8	N	
1	12/27/92	9	1		69	N	
1	12/27/92	10	1		68.7	N	
1	12/27/92	11	1		69.2	N	
1	12/27/92	12	1		69.2	N	
1	12/27/92	13	1		69.9	N	
1	12/27/92	14	1		70.7	N	
1	1/3/93	1	1		76.2	N	TMACS
1	1/3/93	2	1		76.6	N	
1	1/3/93	3	1		76.6	N	
1	1/3/93	4	1		76.8	Y	
1	1/3/93	5	1		76.4	N	
1	1/3/93	6	1		75	N	
1	1/3/93	7	1		73.4	N	
1	1/3/93	8	1		73.2	N	
1	1/3/93	9	1		68.3	N	
1	1/3/93	10	1		68.5	N	
1	1/3/93	11	1		68.7	N	
1	1/3/93	12	1		69	N	
1	1/3/93	13	1		69.8	N	
1	1/3/93	14	1		70.3	N	
1	1/10/93	1	1		76.4	Y	TMACS
1	1/10/93	2	1		76.4	N	
1	1/10/93	3	1		76.2	N	
1	1/10/93	4	1		76.4	N	
1	1/10/93	5	1		75.9	N	
1	1/10/93	6	1		74.4	N	
1	1/10/93	7	1		72.5	N	
1	1/10/93	8	1		72.1	N	
1	1/10/93	9	1		68	N	
1	1/10/93	10	1		68.1	N	
1	1/10/93	11	1		68.3	N	
1	1/10/93	12	1		68.5	N	
1	1/10/93	13	1		69.2	N	
1	1/10/93	14	1		69.8	N	
1	1/17/93	1	1		75.9	N	TMACS
1	1/17/93	2	1		76.1	N	
1	1/17/93	3	1		76.2	Y	
1	1/17/93	4	1		75.9	N	
1	1/17/93	5	1		75.2	N	
1	1/17/93	6	1		73.7	N	
1	1/17/93	7	1		71.9	N	
1	1/17/93	8	1		71.6	N	
1	1/17/93	9	1		67.1	N	
1	1/17/93	10	1		67.1	N	
1	1/17/93	11	1		67.4	N	
1	1/17/93	12	1		67.6	N	
1	1/17/93	13	1		68.1	N	
1	1/17/93	14	1		68.9	N	
1	1/24/93	1	1		75.9	Y	TMACS
1	1/24/93	2	1		75.9	N	
1	1/24/93	3	1		75.7	N	
1	1/24/93	4	1		75.5	N	
1	1/24/93	5	1		74.4	N	
1	1/24/93	6	1		73	N	
1	1/24/93	7	1		70.5	N	
1	1/24/93	8	1		69.9	N	
1	1/24/93	9	1		66	N	
1	1/24/93	10	1		66.2	N	
1	1/24/93	11	1		66.2	N	
1	1/24/93	12	1		66.3	N	
1	1/24/93	13	1		66.9	N	
1	1/24/93	14	1		67.6	N	
1	1/31/93	1	1		76.28	Y	TMACS

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101 THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/31/93	2	1		75.92	N	
1	1/31/93	3	1		75.92	N	
1	1/31/93	4	1		75.74	N	
1	1/31/93	5	1		74.66	N	
1	1/31/93	6	1		73.04	N	
1	1/31/93	7	1		70.7	N	
1	1/31/93	8	1		69.98	N	
1	1/31/93	9	1		65.84	N	
1	1/31/93	10	1		65.84	N	
1	1/31/93	11	1		66.2	N	
1	1/31/93	12	1		66.2	N	
1	1/31/93	13	1		66.56	N	
1	1/31/93	14	1		67.46	N	
1	2/8/93	1	1		75.7	N	TMACS
1	2/8/93	2	1		75.9	Y	
1	2/8/93	3	1		75.9	N	
1	2/8/93	4	1		75.4	N	
1	2/8/93	5	1		74.5	N	
1	2/8/93	6	1		72.14	N	
1	2/8/93	7	1		69.98	N	
1	2/8/93	8	1		69.08	N	
1	2/8/93	9	1		65.12	N	
1	2/8/93	10	1		64.94	N	
1	2/8/93	11	1		65.48	N	
1	2/8/93	12	1		65.66	N	
1	2/8/93	13	1		66.02	N	
1	2/8/93	14	1		66.92	N	
1	2/15/93	1	1		76.3	Y	TMACS
1	2/15/93	2	1		76.1	N	
1	2/15/93	3	1		75.9	N	
1	2/15/93	4	1		75.6	N	
1	2/15/93	5	1		74.5	N	
1	2/15/93	6	1		72.3	N	
1	2/15/93	7	1		70	N	
1	2/15/93	8	1		69.08	N	
1	2/15/93	9	1		64.8	N	
1	2/15/93	10	1		64.8	N	
1	2/15/93	11	1		65.1	N	
1	2/15/93	12	1		65.3	N	
1	2/15/93	13	1		66.2	N	
1	2/15/93	14	1		66.4	N	
1	2/21/93	1	1		75.9	Y	TMACS
1	2/21/93	2	1		75.9	N	
1	2/21/93	3	1		75.6	N	
1	2/21/93	4	1		75.2	N	
1	2/21/93	5	1		73.9	N	
1	2/21/93	6	1		71.96	N	
1	2/21/93	7	1		69.08	N	
1	2/21/93	8	1		68	N	
1	2/21/93	9	1		64.22	N	
1	2/21/93	10	1		64.4	N	
1	2/21/93	11	1		64.6	N	
1	2/21/93	12	1		64.76	N	
1	2/21/93	13	1		65.3	N	
1	2/21/93	14	1		66.2	N	
1	3/1/93	1	1		75.74	N	TMACS
1	3/1/93	2	1		75.92	Y	
1	3/1/93	3	1		75.56	N	
1	3/1/93	4	1		75.2	N	
1	3/1/93	5	1		73.94	N	
1	3/1/93	6	1		71.6	N	
1	3/1/93	7	1		68.72	N	
1	3/1/93	8	1		68	N	
1	3/1/93	9	1		64.04	N	
1	3/1/93	10	1		63.86	N	
1	3/1/93	11	1		64.04	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/1/93	12	1		64.4	N	
1	3/1/93	13	1		65.12	N	
1	3/1/93	14	1		65.66	N	
1	3/8/93	1	1		75.56	N	TMACS
1	3/8/93	2	1		75.74	Y	
1	3/8/93	3	1		75.56	N	
1	3/8/93	4	1		75.02	N	
1	3/8/93	5	1		73.4	N	
1	3/8/93	6	1		71.24	N	
1	3/8/93	7	1		68.36	N	
1	3/8/93	8	1		67.46	N	
1	3/8/93	9	1		63.32	N	
1	3/8/93	10	1		63.32	N	
1	3/8/93	11	1		63.68	N	
1	3/8/93	12	1		64.04	N	
1	3/8/93	13	1		64.76	N	
1	3/8/93	14	1		65.12	N	
1	3/15/93	1	1		75.92	Y	TMACS
1	3/15/93	2	1		75.92	N	
1	3/15/93	3	1		75.56	N	
1	3/15/93	4	1		75.2	N	
1	3/15/93	5	1		73.58	N	
1	3/15/93	6	1		71.42	N	
1	3/15/93	7	1		68.54	N	
1	3/15/93	8	1		67.82	N	
1	3/15/93	9	1		62.96	N	
1	3/15/93	10	1		62.96	N	
1	3/15/93	11	1		63.32	N	
1	3/15/93	12	1		63.5	N	
1	3/15/93	13	1		64.04	N	
1	3/15/93	14	1		64.76	N	
1	3/22/93	1	1		75.74	Y	TMACS
1	3/22/93	2	1		75.38	N	
1	3/22/93	3	1		75.02	N	
1	3/22/93	4	1		74.48	N	
1	3/22/93	5	1		72.86	N	
1	3/22/93	6	1		70.52	N	
1	3/22/93	7	1		67.64	N	
1	3/22/93	8	1		66.74	N	
1	3/22/93	9	1		62.96	N	
1	3/22/93	10	1		62.96	N	
1	3/22/93	11	1		63.32	N	
1	3/22/93	12	1		63.5	N	
1	3/22/93	13	1		63.86	N	
1	3/22/93	14	1		64.58	N	
1	3/29/93	1	1		75.74	Y	TMACS
1	3/29/93	2	1		75.56	N	
1	3/29/93	3	1		75.02	N	
1	3/29/93	4	1		74.48	N	
1	3/29/93	5	1		73.04	N	
1	3/29/93	6	1		70.7	N	
1	3/29/93	7	1		67.82	N	
1	3/29/93	8	1		67.1	N	
1	3/29/93	9	1		62.6	N	
1	3/29/93	10	1		62.78	N	
1	3/29/93	11	1		62.96	N	
1	3/29/93	12	1		63.32	N	
1	3/29/93	13	1		63.5	N	
1	3/29/93	14	1		64.58	N	
1	4/5/93	1	1		75.38	Y	TMACS
1	4/5/93	2	1		75.02	N	
1	4/5/93	3	1		74.66	N	
1	4/5/93	4	1		73.94	N	
1	4/5/93	5	1		72.32	N	
1	4/5/93	6	1		69.8	N	
1	4/5/93	7	1		67.28	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	4/5/93	8	1		66.38	N	
1	4/5/93	9	1		62.6	N	
1	4/5/93	10	1		62.6	N	
1	4/5/93	11	1		62.96	N	
1	4/5/93	12	1		62.96	N	
1	4/5/93	13	1		63.68	N	
1	4/5/93	14	1		64.4	N	
1	4/12/93	1	1		75.92	Y	TMAC
1	4/12/93	2	1		75.2	N	
1	4/12/93	3	1		75.02	N	
1	4/12/93	4	1		74.3	N	
1	4/12/93	5	1		72.68	N	
1	4/12/93	6	1		70.16	N	
1	4/12/93	7	1		67.1	N	
1	4/12/93	8	1		66.56	N	
1	4/12/93	9	1		62.6	N	
1	4/12/93	10	1		62.42	N	
1	4/12/93	11	1		62.78	N	
1	4/12/93	12	1		62.96	N	
1	4/12/93	13	1		63.5	N	
1	4/12/93	14	1		64.04	N	
1	4/19/93	1	1		75.56	Y	TMACS
1	4/19/93	2	1		75.2	N	
1	4/19/93	3	1		74.66	N	
1	4/19/93	4	1		73.94	N	
1	4/19/93	5	1		72.32	N	
1	4/19/93	6	1		69.98	N	
1	4/19/93	7	1		67.1	N	
1	4/19/93	8	1		66.74	N	
1	4/19/93	9	1		62.42	N	
1	4/19/93	10	1		62.6	N	
1	4/19/93	11	1		62.78	N	
1	4/19/93	12	1		62.96	N	
1	4/19/93	13	1		63.32	N	
1	4/19/93	14	1		64.04	N	
1	4/25/93	1	1		75.2	Y	TMACS
1	4/25/93	2	1		75.02	N	
1	4/25/93	3	1		74.3	N	
1	4/25/93	4	1		73.76	N	
1	4/25/93	5	1		71.96	N	
1	4/25/93	6	1		69.8	N	
1	4/25/93	7	1		67.1	N	
1	4/25/93	8	1		66.74	N	
1	4/25/93	9	1		62.96	N	
1	4/25/93	10	1		62.78	N	
1	4/25/93	11	1		62.96	N	
1	4/25/93	12	1		63.32	N	
1	4/25/93	13	1		63.86	N	
1	4/25/93	14	1		64.58	N	
1	5/3/93	1	1		75.56	Y	TMACS
1	5/3/93	2	1		75.2	N	
1	5/3/93	3	1		74.66	N	
1	5/3/93	4	1		73.58	N	
1	5/3/93	5	1		72.5	N	
1	5/3/93	6	1		69.98	N	
1	5/3/93	7	1		67.64	N	
1	5/3/93	8	1		67.1	N	
1	5/3/93	9	1		62.78	N	
1	5/3/93	10	1		62.78	N	
1	5/3/93	11	1		63.32	N	
1	5/3/93	12	1		63.32	N	
1	5/3/93	13	1		64.04	N	
1	5/3/93	14	1		64.76	N	
1	5/10/93	1	1		75.2	N	TMACS
1	5/10/93	2	1		74.66	Y	
1	5/10/93	3	1		74.3	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101 THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	5/10/93	4	1		73.58	N	
1	5/10/93	5	1		71.78	N	
1	5/10/93	6	1		69.8	N	
1	5/10/93	7	1		67.46	N	
1	5/10/93	8	1		67.1	N	
1	5/10/93	9	1		62.96	N	
1	5/10/93	10	1		62.96	N	
1	5/10/93	11	1		63.14	N	
1	5/10/93	12	1		63.5	N	
1	5/10/93	13	1		63.86	N	
1	5/10/93	14	1		64.76	N	
1	5/17/93	1	1		74.66	Y	TMACS
1	5/17/93	2	1		74.3	N	
1	5/17/93	3	1		73.58	N	
1	5/17/93	4	1		72.86	N	
1	5/17/93	5	1		71.24	N	
1	5/17/93	6	1		69.08	N	
1	5/17/93	7	1		67.1	N	
1	5/17/93	8	1		66.74	N	
1	5/17/93	9	1		62.96	N	
1	5/17/93	10	1		62.78	N	
1	5/17/93	11	1		63.14	N	
1	5/17/93	12	1		63.32	N	
1	5/17/93	13	1		63.86	N	
1	5/17/93	14	1		64.58	N	
1	5/24/93	1	1		75.02	Y	TMACS
1	5/24/93	2	1		74.66	N	
1	5/24/93	3	1		73.76	N	
1	5/24/93	4	1		73.04	N	
1	5/24/93	5	1		71.78	N	
1	5/24/93	6	1		69.8	N	
1	5/24/93	7	1		68	N	
1	5/24/93	8	1		67.64	N	
1	5/24/93	9	1		63.5	N	
1	5/24/93	10	1		63.32	N	
1	5/24/93	11	1		63.68	N	
1	5/24/93	12	1		63.68	N	
1	5/24/93	13	1		64.4	N	
1	5/24/93	14	1		65.12	N	
1	5/31/93	1	1		74.66	Y	TMACS
1	5/31/93	2	1		74.3	N	
1	5/31/93	3	1		73.4	N	
1	5/31/93	4	1		73.22	N	
1	5/31/93	5	1		71.42	N	
1	5/31/93	6	1		69.44	N	
1	5/31/93	7	1		67.82	N	
1	5/31/93	8	1		68	N	
1	5/31/93	9	1		63.68	N	
1	5/31/93	10	1		63.68	N	
1	5/31/93	11	1		63.86	N	
1	5/31/93	12	1		64.4	N	
1	5/31/93	13	1		64.76	N	
1	5/31/93	14	1		65.48	N	
1	6/7/93	1	1		74.66	Y	TMACS
1	6/7/93	2	1		74.66	N	
1	6/7/93	3	1		73.58	N	
1	6/7/93	4	1		72.86	N	
1	6/7/93	5	1		71.6	N	
1	6/7/93	6	1		69.8	N	
1	6/7/93	7	1		68.36	N	
1	6/7/93	8	1		68.36	N	
1	6/7/93	9	1		64.22	N	
1	6/7/93	10	1		64.04	N	
1	6/7/93	11	1		64.4	N	
1	6/7/93	12	1		64.76	N	
1	6/7/93	13	1		65.12	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101 THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	6/7/93	14	1		65.84	N	
1	6/14/93	1	1		74.3	Y	TMACS
1	6/14/93	2	1		73.94	N	
1	6/14/93	3	1		73.04	N	
1	6/14/93	4	1		72.5	N	
1	6/14/93	5	1		71.24	N	
1	6/14/93	6	1		69.62	N	
1	6/14/93	7	1		68.36	N	
1	6/14/93	8	1		68.18	N	
1	6/14/93	9	1		64.4	N	
1	6/14/93	10	1		64.22	N	
1	6/14/93	11	1		64.76	N	
1	6/14/93	12	1		64.76	N	
1	6/14/93	13	1		65.48	N	
1	6/14/93	14	1		66.2	N	
1	6/21/93	1	1		74.48	Y	TMACS
1	6/21/93	2	1		74.12	N	
1	6/21/93	3	1		73.22	N	
1	6/21/93	4	1		72.68	N	
1	6/21/93	5	1		71.6	N	
1	6/21/93	6	1		69.98	N	
1	6/21/93	7	1		69.08	N	
1	6/21/93	8	1		69.26	N	
1	6/21/93	9	1		65.12	N	
1	6/21/93	10	1		65.12	N	
1	6/21/93	11	1		65.48	N	
1	6/21/93	12	1		65.48	N	
1	6/21/93	13	1		66.02	N	
1	6/21/93	14	1		67.1	N	
1	6/28/93	1	1		74.84	Y	TMACS
1	6/28/93	2	1		74.66	N	
1	6/28/93	3	1		73.76	N	
1	6/28/93	4	1		73.22	N	
1	6/28/93	5	1		72.14	N	
1	6/28/93	6	1		70.52	N	
1	6/28/93	7	1		69.62	N	
1	6/28/93	8	1		70.16	N	
1	6/28/93	9	1		66.2	N	
1	6/28/93	10	1		66.02	N	
1	6/28/93	11	1		66.38	N	
1	6/28/93	12	1		66.56	N	
1	6/28/93	13	1		67.1	N	
1	6/28/93	14	1		67.82	N	
1	7/5/93	1	1		74.66	Y	TMACS
1	7/5/93	2	1		74.12	N	
1	7/5/93	3	1		73.58	N	
1	7/5/93	4	1		72.86	N	
1	7/5/93	5	1		71.96	N	
1	7/5/93	6	1		70.7	N	
1	7/5/93	7	1		69.98	N	
1	7/5/93	8	1		70.34	N	
1	7/5/93	9	1		66.2	N	
1	7/5/93	10	1		65.84	N	
1	7/5/93	11	1		66.38	N	
1	7/5/93	12	1		66.56	N	
1	7/5/93	13	1		67.1	N	
1	7/5/93	14	1		68.18	N	
1	7/12/93	1	1		74.48	Y	TMACS
1	7/12/93	2	1		74.3	N	
1	7/12/93	3	1		73.58	N	
1	7/12/93	4	1		72.68	N	
1	7/12/93	5	1		72.14	N	
1	7/12/93	6	1		71.24	N	
1	7/12/93	7	1		70.34	N	
1	7/12/93	8	1		70.7	N	
1	7/12/93	9	1		66.92	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	7/12/93	10	1		66.92	N	
1	7/12/93	11	1		67.46	N	
1	7/12/93	12	1		67.46	N	
1	7/12/93	13	1		68	N	
1	7/12/93	14	1		68.72	N	
1	7/18/93	1	1		74.3	Y	TMACS
1	7/18/93	2	1		73.76	N	
1	7/18/93	3	1		73.4	N	
1	7/18/93	4	1		72.5	N	
1	7/18/93	5	1		71.78	N	
1	7/18/93	6	1		70.88	N	
1	7/18/93	7	1		70.52	N	
1	7/18/93	8	1		70.88	N	
1	7/18/93	9	1		66.56	N	
1	7/18/93	10	1		66.38	N	
1	7/18/93	11	1		66.92	N	
1	7/18/93	12	1		67.28	N	
1	7/18/93	13	1		67.64	N	
1	7/18/93	14	1		68.54	N	
1	7/26/93	1	1		75.2	Y	TMACS
1	7/26/93	2	1		74.48	N	
1	7/26/93	3	1		73.76	N	
1	7/26/93	4	1		73.4	N	
1	7/26/93	5	1		72.68	N	
1	7/26/93	6	1		71.42	N	
1	7/26/93	7	1		70.88	N	
1	7/26/93	8	1		71.42	N	
1	7/26/93	9	1		67.64	N	
1	7/26/93	10	1		67.46	N	
1	7/26/93	11	1		67.46	N	
1	7/26/93	12	1		68.18	N	
1	7/26/93	13	1		68.72	N	
1	7/26/93	14	1		69.44	N	
1	8/1/93	1	1		73.76	Y	TMACS
1	8/1/93	2	1		73.76	N	
1	8/1/93	3	1		73.04	N	
1	8/1/93	4	1		72.86	N	
1	8/1/93	5	1		72.14	N	
1	8/1/93	6	1		71.24	N	
1	8/1/93	7	1		70.88	N	
1	8/1/93	8	1		71.42	N	
1	8/1/93	9	1		67.46	N	
1	8/1/93	10	1		67.28	N	
1	8/1/93	11	1		67.46	N	
1	8/1/93	12	1		68	N	
1	8/1/93	13	1		68.36	N	
1	8/1/93	14	1		69.08	N	
1	8/9/93	1	1		74.3	Y	TMACS
1	8/9/93	2	1		74.3	N	
1	8/9/93	3	1		73.76	N	
1	8/9/93	4	1		73.76	N	
1	8/9/93	5	1		73.04	N	
1	8/9/93	6	1		72.14	N	
1	8/9/93	7	1		72.14	N	
1	8/9/93	8	1		72.68	N	
1	8/9/93	9	1		68.36	N	
1	8/9/93	10	1		68.36	N	
1	8/9/93	11	1		68.72	N	
1	8/9/93	12	1		68.9	N	
1	8/9/93	13	1		69.8	N	
1	8/9/93	14	1		70.7	N	
1	8/15/93	1	1		74.3	Y	tmacs
1	8/15/93	2	1		73.94	N	
1	8/15/93	3	1		73.58	N	
1	8/15/93	4	1		73.22	N	
1	8/15/93	5	1		72.68	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/15/93	6	1		72.14	N	
1	8/15/93	7	1		71.78	N	
1	8/15/93	8	1		72.5	N	
1	8/15/93	9	1		68.54	N	
1	8/15/93	10	1		68.36	N	
1	8/15/93	11	1		68.72	N	
1	8/15/93	12	1		69.08	N	
1	8/15/93	13	1		69.62	N	
1	8/15/93	14	1		70.16	N	
1	8/23/93	1	1		73.58	Y	TMACS
1	8/23/93	2	1		73.58	N	
1	8/23/93	3	1		73.04	N	
1	8/23/93	4	1		72.86	N	
1	8/23/93	5	1		72.5	N	
1	8/23/93	6	1		71.6	N	
1	8/23/93	7	1		71.6	N	
1	8/23/93	8	1		72.32	N	
1	8/23/93	9	1		69.08	N	
1	8/23/93	10	1		69.08	N	
1	8/23/93	11	1		69.26	N	
1	8/23/93	12	1		69.44	N	
1	8/23/93	13	1		70.16	N	
1	8/23/93	14	1		70.7	N	
1	8/26/93	1	1		73.6	Y	J TYPE
1	8/26/93	2	1		73.6	N	
1	8/26/93	3	1		73	N	
1	8/26/93	4	1		72.9	N	
1	8/26/93	5	1		72.3	N	
1	8/26/93	6	1		71.4	N	
1	8/26/93	7	1		71.6	N	
1	8/26/93	8	1		72.1	N	
1	8/26/93	9	1		69.4	N	
1	8/26/93	10	1		69.1	N	
1	8/26/93	11	1		69.6	N	
1	8/26/93	12	1		69.6	N	
1	8/26/93	13	1		70.2	N	
1	8/26/93	14	1		71.1	N	
1	8/30/93	1	1		74.48	Y	TMACS
1	8/30/93	2	1		74.48	N	
1	8/30/93	3	1		73.94	N	
1	8/30/93	4	1		73.76	N	
1	8/30/93	5	1		73.22	N	
1	8/30/93	6	1		72.86	N	
1	8/30/93	7	1		72.86	N	
1	8/30/93	8	1		73.58	N	
1	8/30/93	9	1		69.8	N	
1	8/30/93	10	1		69.8	N	
1	8/30/93	11	1		70.16	N	
1	8/30/93	12	1		70.34	N	
1	8/30/93	13	1		70.52	N	
1	8/30/93	14	1		71.78	N	
1	9/6/93	1	1		73.76	Y	TMACS
1	9/6/93	2	1		73.58	N	
1	9/6/93	3	1		73.22	N	
1	9/6/93	4	1		72.86	N	
1	9/6/93	5	1		72.86	N	
1	9/6/93	6	1		72.32	N	
1	9/6/93	7	1		72.5	N	
1	9/6/93	8	1		73.4	N	
1	9/6/93	9	1		69.69	N	
1	9/6/93	10	1		69.62	N	
1	9/6/93	11	1		70.16	N	
1	9/6/93	12	1		70.52	N	
1	9/6/93	13	1		70.88	N	
1	9/6/93	14	1		71.6	N	
1	9/12/93	1	1		74.3	Y	TMACS

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	9/12/93	2	1		73.94	N	
1	9/12/93	3	1		73.76	N	
1	9/12/93	4	1		73.58	N	
1	9/12/93	5	1		73.4	N	
1	9/12/93	6	1		73.04	N	
1	9/12/93	7	1		73.4	N	
1	9/12/93	8	1		74.12	N	
1	9/12/93	9	1		70.16	N	
1	9/12/93	10	1		70.16	N	
1	9/12/93	11	1		70.52	N	
1	9/12/93	12	1		70.7	N	
1	9/12/93	13	1		71.24	N	
1	9/12/93	14	1		72.14	N	
1	9/17/93	1	1		73	Y	J 777-13-20-010
1	9/17/93	2	1		73	N	
1	9/17/93	3	1		72	N	
1	9/17/93	4	1		72	N	
1	9/17/93	5	1		71	N	
1	9/17/93	6	1		70	N	
1	9/17/93	7	1		70	N	
1	9/17/93	8	1		70	N	
1	9/17/93	9	1		70	N	
1	9/17/93	10	1		70	N	
1	9/17/93	11	1		70	N	
1	9/17/93	12	1		70	N	
1	9/17/93	13	1		70	N	
1	9/17/93	14	1		70	N	
1	9/19/93	1	1		74.48	Y	TMACS
1	9/19/93	2	1		74.3	N	
1	9/19/93	3	1		73.58	N	
1	9/19/93	4	1		73.4	N	
1	9/19/93	5	1		73.22	N	
1	9/19/93	6	1		73.04	N	
1	9/19/93	7	1		73.4	N	
1	9/19/93	8	1		74.3	N	
1	9/19/93	9	1		70.52	N	
1	9/19/93	10	1		70.52	N	
1	9/19/93	11	1		70.88	N	
1	9/19/93	12	1		71.24	N	
1	9/19/93	13	1		71.78	N	
1	9/19/93	14	1		72.5	N	
1	9/26/93	1	1		73.94	N	TMACS
1	9/26/93	2	1		74.12	N	
1	9/26/93	3	1		73.58	N	
1	9/26/93	4	1		73.76	N	
1	9/26/93	5	1		73.4	N	
1	9/26/93	6	1		73.22	N	
1	9/26/93	7	1		73.58	N	
1	9/26/93	8	1		74.66	Y	
1	9/26/93	9	1		70.7	N	
1	9/26/93	10	1		70.88	N	
1	9/26/93	11	1		70.88	N	
1	9/26/93	12	1		71.42	N	
1	9/26/93	13	1		71.78	N	
1	9/26/93	14	1		72.86	N	
1	10/3/93	1	1		74.3	N	TMACS
1	10/3/93	2	1		74.3	N	
1	10/3/93	3	1		73.76	N	
1	10/3/93	4	1		73.76	N	
1	10/3/93	5	1		73.58	N	
1	10/3/93	6	1		73.76	N	
1	10/3/93	7	1		73.94	N	
1	10/3/93	8	1		75.2	Y	
1	10/3/93	9	1		70.88	N	
1	10/3/93	10	1		70.88	N	
1	10/3/93	11	1		71.24	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	10/3/93	12	1		71.42	N	
1	10/3/93	13	1		71.96	N	
1	10/3/93	14	1		72.86	N	
1	10/10/93	1	1		74.48	N	TMACS
1	10/10/93	2	1		74.66	N	
1	10/10/93	3	1		74.3	N	
1	10/10/93	4	1		74.3	N	
1	10/10/93	5	1		74.3	N	
1	10/10/93	6	1		74.3	N	
1	10/10/93	7	1		74.48	N	
1	10/10/93	8	1		75.56	Y	
1	10/10/93	9	1		71.06	N	
1	10/10/93	10	1		71.24	N	
1	10/10/93	11	1		71.42	N	
1	10/10/93	12	1		71.42	N	
1	10/10/93	13	1		71.96	N	
1	10/10/93	14	1		73.04	N	
1	10/19/93	1	1		74.3	N	TMACS
1	10/19/93	2	1		74.3	N	
1	10/19/93	3	1		73.9	N	
1	10/19/93	4	1		73.8	N	
1	10/19/93	5	1		73.9	N	
1	10/19/93	6	1		73.9	N	
1	10/19/93	7	1		74.3	N	
1	10/19/93	8	1		75	Y	
1	10/19/93	9	1		71.2	N	
1	10/19/93	10	1		71.2	N	
1	10/19/93	11	1		71.6	N	
1	10/19/93	12	1		71.8	N	
1	10/19/93	13	1		72.1	N	
1	10/19/93	14	1		73	N	
1	10/25/93	1	1		74.84	Y	TMACS
1	10/25/93	2	1		74.48	N	
1	10/25/93	3	1		74.48	N	
1	10/25/93	4	1		74.48	N	
1	10/25/93	5	1		74.48	N	
1	10/25/93	6	1		74.66	N	
1	10/25/93	7	1		74.48	N	
1	10/25/93	8	1		75.56	N	
1	10/25/93	9	1		71.42	N	
1	10/25/93	10	1		71.42	N	
1	10/25/93	11	1		71.96	N	
1	10/25/93	12	1		72.14	N	
1	10/25/93	13	1		72.68	N	
1	10/25/93	14	1		73.58	N	
1	11/1/93	1	1		74.48	N	TMACS
1	11/1/93	2	1		74.3	N	
1	11/1/93	3	1		74.3	N	
1	11/1/93	4	1		74.3	N	
1	11/1/93	5	1		74.3	N	
1	11/1/93	6	1		74.3	N	
1	11/1/93	7	1		74.48	N	
1	11/1/93	8	1		75.02	Y	
1	11/1/93	9	1		71.24	N	
1	11/1/93	10	1		71.06	N	
1	11/1/93	11	1		71.42	N	
1	11/1/93	12	1		71.6	N	
1	11/1/93	13	1		71.96	N	
1	11/1/93	14	1		73.04	N	
1	11/2/93	1	1		80	Y	X CAL 777-13-20-010
1	11/2/93	2	1		80	N	
1	11/2/93	3	1		79	N	
1	11/2/93	4	1		78	N	
1	11/2/93	5	1		78	N	
1	11/2/93	6	1		76	N	
1	11/8/93	1	1		75.38	Y	TMACS

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-101							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/8/93	2	1		74.66	N	
1	11/8/93	3	1		74.48	N	
1	11/8/93	4	1		74.12	N	
1	11/8/93	5	1		74.12	N	
1	11/8/93	6	1		73.58	N	
1	11/8/93	7	1		73.58	N	
1	11/8/93	8	1		73.58	N	
1	11/8/93	9	1		71.96	N	
1	11/8/93	10	1		71.6	N	
1	11/8/93	11	1		71.6	N	
1	11/8/93	12	1		71.6	N	
1	11/8/93	13	1		71.24	N	
1	11/8/93	14	1		71.96	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-102							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP (C)	TEMP (F)	Y=MAX TEMP	COMMENTS
	10/13/73	1		64	147.2		raw data - assumed degreee C
	10/13/73	2		66	150.8		raw data - assumed degreee C
	10/13/73	3		69	156.2		raw data - assumed degreee C
	10/13/73	4		69	156.2		raw data - assumed degreee C
	10/13/73	5		68	154.4		raw data - assumed degreee C
	10/13/73	6		64	147.2		raw data - assumed degreee C
	10/13/73	7		57.7	135.86		raw data - assumed degreee C
	10/13/73	8		49.7	121.46		raw data - assumed degreee C
	10/13/73	9		44	111.2		raw data - assumed degreee C
	10/13/73	10		40.3	104.54		raw data - assumed degreee C
	10/13/73	11		59.2	138.56		raw data - assumed degreee C
	10/14/73	1		64	147.2		raw data - assumed degreee C
	10/14/73	2		66	150.8		raw data - assumed degreee C
	10/14/73	3		68.7	155.66		raw data - assumed degreee C
	10/14/73	4		69	156.2		raw data - assumed degreee C
	10/14/73	5		68	154.4		raw data - assumed degreee C
	10/14/73	6		64	147.2		raw data - assumed degreee C
	10/14/73	7		57.7	135.86		raw data - assumed degreee C
	10/14/73	8		50	122		raw data - assumed degreee C
	10/14/73	9		44	111.2		raw data - assumed degreee C
	10/14/73	10		36.3	97.34		raw data - assumed degreee C
	10/14/73	11		59.1	138.38		raw data - assumed degreee C
	10/15/73	1		64	147.2		raw data - assumed degreee C
	10/15/73	2		66	150.8		raw data - assumed degreee C
	10/15/73	3		68	154.4		raw data - assumed degreee C
	10/15/73	4		69	156.2		raw data - assumed degreee C
	10/15/73	5		67.3	153.14		raw data - assumed degreee C
	10/15/73	6		64	147.2		raw data - assumed degreee C
	10/15/73	7		57.7	135.86		raw data - assumed degreee C
	10/15/73	8		50	122		raw data - assumed degreee C
	10/15/73	9		44.7	112.46		raw data - assumed degreee C
	10/15/73	10		35.7	96.26		raw data - assumed degreee C
	10/15/73	11		58.6	137.48		raw data - assumed degreee C
	10/16/73	1		64	147.2		raw data - assumed degreee C
	10/16/73	2		66	150.8		raw data - assumed degreee C
	10/16/73	3		68	154.4		raw data - assumed degreee C
	10/16/73	4		69	156.2		raw data - assumed degreee C
	10/16/73	5		68	154.4		raw data - assumed degreee C
	10/16/73	6		64	147.2		raw data - assumed degreee C
	10/16/73	7		57.7	135.86		raw data - assumed degreee C
	10/16/73	8		50.7	123.26		raw data - assumed degreee C
	10/16/73	9		44.7	112.46		raw data - assumed degreee C
	10/16/73	10		35.7	96.26		raw data - assumed degreee C
	10/16/73	11		58.6	137.48		raw data - assumed degreee C
	10/17/73	1		64	147.2		raw data - assumed degreee C
	10/17/73	2		66.7	152.06		raw data - assumed degreee C
	10/17/73	3		68.3	154.94		raw data - assumed degreee C
	10/17/73	4		69	156.2		raw data - assumed degreee C
	10/17/73	5		68	154.4		raw data - assumed degreee C
	10/17/73	6		64	147.2		raw data - assumed degreee C
	10/17/73	7		58	136.4		raw data - assumed degreee C
	10/17/73	8		51	123.8		raw data - assumed degreee C
	10/17/73	9		44.7	112.46		raw data - assumed degreee C
	10/17/73	10		35.7	96.26		raw data - assumed degreee C
	10/17/73	11		58.9	138.02		raw data - assumed degreee C
	10/18/73	1		64	147.2		raw data - assumed degreee C
	10/18/73	2		66	150.8		raw data - assumed degreee C
	10/18/73	3		68	154.4		raw data - assumed degreee C
	10/18/73	4		69	156.2		raw data - assumed degreee C
	10/18/73	5		68	154.4		raw data - assumed degreee C
	10/18/73	6		64	147.2		raw data - assumed degreee C
	10/18/73	7		58	136.4		raw data - assumed degreee C
	10/18/73	8		51	123.8		raw data - assumed degreee C
	10/18/73	9		44.7	112.46		raw data - assumed degreee C
	10/18/73	10		34.7	94.46		raw data - assumed degreee C
	10/18/73	11		58.7	137.66		raw data - assumed degreee C

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 28, 1993.

TANK 241-BY-102							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP (C)	TEMP (F)	Y=MAX TEMP	COMMENTS
	10/19/73	1		64	147.2		raw data - assumed degreee C
	10/19/73	2		66	150.8		raw data - assumed degreee C
	10/19/73	3		68	154.4		raw data - assumed degreee C
	10/19/73	4		69	156.2		raw data - assumed degreee C
	10/19/73	5		67.7	153.86		raw data - assumed degreee C
	10/19/73	6		63.7	146.66		raw data - assumed degreee C
	10/19/73	7		58	136.4		raw data - assumed degreee C
	10/19/73	8		51	123.8		raw data - assumed degreee C
	10/19/73	9		45	113		raw data - assumed degreee C
	10/19/73	10		34.7	94.46		raw data - assumed degreee C
	10/19/73	11		58.7	137.66		raw data - assumed degreee C
	10/20/73	1		64	147.2		raw data - assumed degreee C
	10/20/73	2		66	150.8		raw data - assumed degreee C
	10/20/73	3		68	154.4		raw data - assumed degreee C
	10/20/73	4		69	156.2		raw data - assumed degreee C
	10/20/73	5		67.5	153.5		raw data - assumed degreee C
	10/20/73	6		64	147.2		raw data - assumed degreee C
	10/20/73	7		58	136.4		raw data - assumed degreee C
	10/20/73	8		51.5	124.7		raw data - assumed degreee C
	10/20/73	9		45	113		raw data - assumed degreee C
	10/20/73	10		34.5	94.1		raw data - assumed degreee C
	10/20/73	11		58.8	137.84		raw data - assumed degreee C
	11/12/73	1		60	140		raw data - assumed degreee C
	11/12/73	2		64	147.2		raw data - assumed degreee C
	11/12/73	3		66	150.8		raw data - assumed degreee C
	11/12/73	4		66	150.8		raw data - assumed degreee C
	11/12/73	5		66	150.8		raw data - assumed degreee C
	11/12/73	6		62	143.6		raw data - assumed degreee C
	11/12/73	7		56	132.8		raw data - assumed degreee C
	11/12/73	8		52	125.6		raw data - assumed degreee C
	11/12/73	9		43	109.4		raw data - assumed degreee C
	11/12/73	10		34	93.2		raw data - assumed degreee C
	11/12/73	11		34	93.2		raw data - assumed degreee C
	11/12/73	12		25	77		raw data - assumed degreee C
	11/21/73	1		59	138.2		raw data - assumed degreee C
	11/21/73	2		64	147.2		raw data - assumed degreee C
	11/21/73	3		65	149		raw data - assumed degreee C
	11/21/73	4		66	150.8		raw data - assumed degreee C
	11/21/73	5		63	145.4		raw data - assumed degreee C
	11/21/73	6		58	136.4		raw data - assumed degreee C
	11/21/73	7		52	125.6		raw data - assumed degreee C
	11/21/73	8		48	118.4		raw data - assumed degreee C
	11/21/73	9		42	107.6		raw data - assumed degreee C
	11/21/73	10		35	95		raw data - assumed degreee C
	12/10/73	1		60	140		raw data - assumed degreee C
	12/10/73	2		62	143.6		raw data - assumed degreee C
	12/10/73	3		65	149		raw data - assumed degreee C
	12/10/73	4		65	149		raw data - assumed degreee C
	12/10/73	5		62	143.6		raw data - assumed degreee C
	12/10/73	6		58	136.4		raw data - assumed degreee C
	12/10/73	7		53	127.4		raw data - assumed degreee C
	12/10/73	8		47	116.6		raw data - assumed degreee C
	12/10/73	9		32	89.6		raw data - assumed degreee C
	12/10/73	10		26	78.8		raw data - assumed degreee C
	12/10/73	11		24	75.2		raw data - assumed degreee C
	12/10/73	12		24	75.2		raw data - assumed degreee C
	12/17/73	1		60	140		raw data - assumed degreee C
	12/17/73	2		63	145.4		raw data - assumed degreee C
	12/17/73	3		64	147.2		raw data - assumed degreee C
	12/17/73	4		64	147.2		raw data - assumed degreee C
	12/17/73	5		62	143.6		raw data - assumed degreee C
	12/17/73	6		56	132.8		raw data - assumed degreee C
	12/17/73	7		52	125.6		raw data - assumed degreee C
	12/17/73	8		46	114.8		raw data - assumed degreee C
	12/17/73	9		30	86		raw data - assumed degreee C
	12/17/73	10		26	78.8		raw data - assumed degreee C

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 28, 1993.

TANK 241-BY-102							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP (C)	TEMP (F)	Y=MAX TEMP	COMMENTS
	1/4/74	1		62	143.6		raw data - assumed degreee C
	1/4/74	2		64	147.2		raw data - assumed degreee C
	1/4/74	3		66	150.8		raw data - assumed degreee C
	1/4/74	4		65	149		raw data - assumed degreee C
	1/4/74	5		63	145.4		raw data - assumed degreee C
	1/4/74	6		58	136.4		raw data - assumed degreee C
	1/4/74	7		50	122		raw data - assumed degreee C
	1/4/74	8		40	104		raw data - assumed degreee C
	1/4/74	9		31	87.8		raw data - assumed degreee C
	1/4/74	10		26	78.8		raw data - assumed degreee C
1	8/5/74	1	1	57	134.6	Y	raw data - assumed degreee C
1	8/5/74	2	1	57	134.6	N	raw data - assumed degreee C
1	8/5/74	3	1	56	132.8	N	raw data - assumed degreee C
1	8/5/74	4	1	52	125.6	N	raw data - assumed degreee C
1	8/5/74	5	1	50	122	N	raw data - assumed degreee C
1	8/5/74	6	1	49	120.2	N	raw data - assumed degreee C
1	8/5/74	7	1	44	111.2	N	raw data - assumed degreee C
1	8/5/74	8	1	39	102.2	N	raw data - assumed degreee C
1	8/5/74	9	1	34	93.2	N	raw data - assumed degreee C
1	8/5/74	10	1	30	86	N	raw data - assumed degreee C
1	8/15/74	1	1	56	132.8	Y	raw data - assumed degreee C
1	8/15/74	2	1	56	132.8	N	raw data - assumed degreee C
1	8/15/74	3	1	55	131	N	raw data - assumed degreee C
1	8/15/74	4	1	54	129.2	N	raw data - assumed degreee C
1	8/15/74	5	1	52	125.6	N	raw data - assumed degreee C
1	8/15/74	6	1	49	120.2	N	raw data - assumed degreee C
1	8/15/74	7	1	48	118.4	N	raw data - assumed degreee C
1	8/15/74	8	1	44	111.2	N	raw data - assumed degreee C
1	8/15/74	9	1	44	111.2	N	raw data - assumed degreee C
1	8/15/74	10	1	44	111.2	N	raw data - assumed degreee C
1	9/12/74	1	1	56	132.8	Y	raw data - assumed degreee C
1	9/12/74	2	1	56	132.8	N	raw data - assumed degreee C
1	9/12/74	3	1	55	131	N	raw data - assumed degreee C
1	9/12/74	4	1	54	129.2	N	raw data - assumed degreee C
1	9/12/74	5	1	53	127.4	N	raw data - assumed degreee C
1	9/12/74	6	1	50	122	N	raw data - assumed degreee C
1	9/12/74	7	1	48	118.4	N	raw data - assumed degreee C
1	9/12/74	8	1	44	111.2	N	raw data - assumed degreee C
1	9/12/74	9	1	44	111.2	N	raw data - assumed degreee C
1	9/12/74	10	1	44	111.2	N	raw data - assumed degreee C
1	11/16/74	1	1			Y	67.78 - suspect data (low)
1	11/16/74	2	1			N	67.78 - suspect data (low)
1	11/16/74	3	1			N	68.33 - suspect data (low)
1	11/16/74	4	1			N	67.78 - suspect data (low)
1	11/16/74	5	1			N	67.78 - suspect data (low)
1	11/16/74	6	1			N	65.56 - suspect data (low)
1	11/16/74	7	1			N	58.89 - suspect data (low)
1	11/16/74	8	1			N	54.44 - suspect data (low)
1	11/16/74	9	1			N	51.67 - suspect data (low)
1	11/16/74	10	1			N	51.67 - suspect data (low)
1	11/16/74	11	1			N	46.11 - suspect data (low)
1	11/16/74	12	1			N	46.11 - suspect data (low)
1	12/17/74	1	1	48.89	120.002	Y	raw data - assumed degreee C
1	12/17/74	2	1	47.78	118.004	N	raw data - assumed degreee C
1	12/17/74	3	1	48.89	120.002	N	raw data - assumed degreee C
1	12/17/74	4	1	48.89	120.002	N	raw data - assumed degreee C
1	12/17/74	5	1	47.78	118.004	N	raw data - assumed degreee C
1	12/17/74	6	1	45.56	114.008	N	raw data - assumed degreee C
1	12/17/74	7	1	42.78	109.004	N	raw data - assumed degreee C
1	12/17/74	8	1	37.22	98.996	N	raw data - assumed degreee C
1	12/17/74	9	1	36.67	98.006	N	raw data - assumed degreee C
1	12/17/74	10	1	41.11	105.998	N	raw data - assumed degreee C
1	12/17/74	11	1	31.11	87.998	N	raw data - assumed degreee C
1	12/17/74	12	1	31.11	87.998	N	raw data - assumed degreee C
1	12/31/74	1	1			N	O/S
1	1/8/75	1	1			N	O/S

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 28, 1993.

TANK 241-BY-102							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP (C)	TEMP (F)	Y=MAX TEMP	COMMENTS
1	5/20/76	1	1			N	5 - suspect data (low)
1	5/20/76	2	1			N	7 - suspect data (low)
1	5/20/76	3	1			N	6 - suspect data (low)
1	5/20/76	4	1			N	6 - suspect data (low)
1	5/20/76	5	1			N	6 - suspect data (low)
1	5/20/76	6	1			N	10 - suspect data (low)
1	5/20/76	7	1			N	13 - suspect data (low)
1	5/20/76	8	1			N	18 - suspect data (low)
1	5/20/76	9	1			N	20 - suspect data (low)
1	5/20/76	10	1			N	20 - suspect data (low)
1	5/20/76	11	1			N	20 - suspect data (low)
1	5/20/76	12	1			N	20 - suspect data (low)
1	5/20/76	13	1			N	20 - suspect data (low)
1	5/20/76	14	1			N	20 - suspect data (low)
1	8/14/76	1	1		78	N	raw data - assume reverse TC order
1	8/14/76	2	1		78	Y	raw data - assume reverse TC order
1	8/14/76	3	1		77	N	raw data - assume reverse TC order
1	8/14/76	4	1		77	N	raw data - assume reverse TC order
1	8/14/76	5	1		75	N	raw data - assume reverse TC order
1	8/14/76	6	1		69	N	raw data - assume reverse TC order
1	8/14/76	7	1		64	N	raw data - assume reverse TC order
1	8/14/76	8	1		60	N	raw data - assume reverse TC order
1	8/14/76	9	1		59	N	raw data - assume reverse TC order
1	8/14/76	10	1		58	N	raw data - assume reverse TC order
1	8/14/76	11	1		58	N	raw data - assume reverse TC order
1	8/14/76	12	1		56	N	raw data - assume reverse TC order
1	9/13/76	1	1			N	105 - suspect data (high), reverse TC order
1	9/13/76	2	1			N	105 - suspect data (high), reverse TC order
1	9/13/76	3	1			N	104 - suspect data (high), reverse TC order
1	9/13/76	4	1			Y	105 - suspect data (high), reverse TC order
1	9/13/76	5	1			N	103 - suspect data (high), reverse TC order
1	9/13/76	6	1		99	N	raw data - assume reverse TC order
1	9/13/76	7	1		95	N	raw data - assume reverse TC order
1	9/13/76	8	1		93	N	raw data - assume reverse TC order
1	9/13/76	9	1		92	N	raw data - assume reverse TC order
1	9/13/76	10	1		91	N	raw data - assume reverse TC order
1	9/13/76	11	1		93	N	raw data - assume reverse TC order
1	9/13/76	12	1		92	N	raw data - assume reverse TC order
1	11/7/76	1	1		61	N	raw data - assume reverse TC order
1	11/7/76	2	1		61	Y	raw data - assume reverse TC order
1	11/7/76	3	1		60	N	raw data - assume reverse TC order
1	11/7/76	4	1		60	N	raw data - assume reverse TC order
1	11/7/76	5	1		60	N	raw data - assume reverse TC order
1	11/7/76	6	1		60	N	raw data - assume reverse TC order
1	11/7/76	7	1		60	N	raw data - assume reverse TC order
1	11/7/76	8	1		60	N	raw data - assume reverse TC order
1	11/7/76	9	1		60	N	raw data - assume reverse TC order
1	11/7/76	10	1		59	N	raw data - assume reverse TC order
1	11/7/76	11	1		59	N	raw data - assume reverse TC order
1	11/7/76	12	1		58	N	raw data - assume reverse TC order
1	12/9/76	7	1	39	102.2	N	raw data - assume degree C & reverse TC order
1	12/9/76	8	1	39	102.2	Y	raw data - assume degree C & reverse TC order
1	12/9/76	9	1	36	96.8	N	raw data - assume degree C & reverse TC order
1	12/9/76	10	1	37	98.6	N	raw data - assume degree C & reverse TC order
1	12/9/76	11	1	33	91.4	N	raw data - assume degree C & reverse TC order
1	12/9/76	12	1	25	77	N	raw data - assume degree C & reverse TC order
1	1/3/77	1	1			N	O/S
1	3/28/77	1	1			N	54 - suspect data (low), reverse TC order
1	3/28/77	2	1			Y	54 - suspect data (low), reverse TC order
1	3/28/77	3	1			N	49 - suspect data (low), reverse TC order

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 28, 1993.

TANK 241-BY-102							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP (C)	TEMP (F)	Y=MAX TEMP	COMMENTS
1	3/28/77	4	1			N	51 - suspect data (low), reverse TC order
1	3/28/77	5	1			N	50 - suspect data (low), reverse TC order
1	3/28/77	6	1			N	42 - suspect data (low), reverse TC order
1	3/28/77	7	1	38	100.4	N	raw data - assume degree C & reverse TC order
1	3/28/77	8	1	32	89.6	N	raw data - assume degree C & reverse TC order
1	3/28/77	9	1	33	91.4	N	raw data - assume degree C & reverse TC order
1	3/28/77	10	1	30	86	N	raw data - assume degree C & reverse TC order
1	3/28/77	11	1	32	89.6	N	raw data - assume degree C & reverse TC order
1	3/28/77	12	1	32	89.6	N	raw data - assume degree C & reverse TC order
1	4/27/77	1	1		95	N	raw data - assume reverse TC order
1	4/27/77	2	1		95	N	raw data - assume reverse TC order
1	4/27/77	3	1		97	N	raw data - assume reverse TC order
1	4/27/77	4	1		96	N	raw data - assume reverse TC order
1	4/27/77	5	1		99	Y	raw data - assume reverse TC order
1	4/27/77	6	1		92	N	raw data - assume reverse TC order
1	4/27/77	7	1		92	N	raw data - assume reverse TC order
1	4/27/77	8	1		84	N	raw data - assume reverse TC order
1	4/27/77	9	1		83	N	raw data - assume reverse TC order
1	4/27/77	10	1		81	N	raw data - assume reverse TC order
1	4/27/77	11	1		79	N	raw data - assume reverse TC order
1	4/27/77	12	1		80	N	raw data - assume reverse TC order
1	4/27/77	13	1		81	N	raw data - assume reverse TC order
1	4/27/77	14	1		83	N	raw data - assume reverse TC order
1	6/30/77	1	1			N	52 - suspect data (low), reverse TC order
1	6/30/77	2	1			N	52 - suspect data (low), reverse TC order
1	6/30/77	3	1			N	52 - suspect data (low), reverse TC order
1	6/30/77	4	1			N	52 - suspect data (low), reverse TC order
1	6/30/77	5	1			N	52 - suspect data (low), reverse TC order
1	6/30/77	6	1			N	52 - suspect data (low), reverse TC order
1	6/30/77	7	1			N	51 - suspect data (low), reverse TC order
1	6/30/77	8	1	42	107.6	N	raw data - assume reverse TC order
1	6/30/77	9	1	31	87.8	N	raw data - assume reverse TC order
1	6/30/77	10	1	32	89.6	N	raw data - assume reverse TC order
1	6/30/77	11	1	29	84.2	N	raw data - assume reverse TC order
1	6/30/77	12	1	25	77	N	raw data - assume reverse TC order
1	6/30/77	13	1	25	77	N	raw data - assume reverse TC order
1	8/15/77	1	1		78	N	raw data - assume reverse TC order
1	8/15/77	2	1		78	N	raw data - assume reverse TC order
1	8/15/77	3	1		78	N	raw data - assume reverse TC order
1	8/15/77	4	1		78	N	raw data - assume reverse TC order
1	8/15/77	5	1		78	N	raw data - assume reverse TC order
1	8/15/77	6	1		78	N	raw data - assume reverse TC order
1	8/15/77	7	1		78	Y	raw data - assume reverse TC order
1	8/15/77	8	1		77	N	raw data - assume reverse TC order
1	8/15/77	9	1		77	N	raw data - assume reverse TC order
1	8/15/77	10	1		77	N	raw data - assume reverse TC order
1	8/15/77	11	1		77	N	raw data - assume reverse TC order
1	8/15/77	12	1		77	N	raw data - assume reverse TC order
1	8/15/77	13	1		77	N	raw data - assume reverse TC order
1	8/15/77	14	1		77	N	raw data - assume reverse TC order
1	9/12/77	1	1		90	N	raw data - assume reverse TC order
1	9/12/77	2	1		91	N	raw data - assume reverse TC order
1	9/12/77	3	1		93	N	raw data - assume reverse TC order
1	9/12/77	4	1		94	N	raw data - assume reverse TC order
1	9/12/77	5	1		94	Y	raw data - assume reverse TC order
1	9/12/77	6	1		87	N	raw data - assume reverse TC order
1	9/12/77	7	1		83	N	raw data - assume reverse TC order
1	9/12/77	8	1		81	N	raw data - assume reverse TC order
1	9/12/77	9	1		80	N	raw data - assume reverse TC order
1	9/12/77	10	1		82	N	raw data - assume reverse TC order

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 28, 1993.

TANK 241-BY-102							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP (C)	TEMP (F)	Y=MAX TEMP	COMMENTS
1	9/12/77	11	1		83	N	raw data - assume reverse TC order
1	9/12/77	12	1		84	N	raw data - assume reverse TC order
1	10/7/77	1	1		73	N	raw data - assume reverse TC order
1	10/7/77	2	1		72	N	raw data - assume reverse TC order
1	10/7/77	3	1		72	N	raw data - assume reverse TC order
1	10/7/77	4	1		72	N	raw data - assume reverse TC order
1	10/7/77	5	1		72	N	raw data - assume reverse TC order
1	10/7/77	6	1		72	N	raw data - assume reverse TC order
1	10/7/77	7	1		72	N	raw data - assume reverse TC order
1	10/7/77	8	1		72	N	raw data - assume reverse TC order
1	10/7/77	9	1		73	N	raw data - assume reverse TC order
1	10/7/77	10	1		73	N	raw data - assume reverse TC order
1	10/7/77	11	1		73	Y	raw data - assume reverse TC order
1	10/7/77	12	1		72	N	raw data - assume reverse TC order
1	10/7/77	13	1		72	N	raw data - assume reverse TC order
1	10/7/77	14	1		72	N	raw data - assume reverse TC order
1	12/7/77	1	1		70	N	
1	12/7/77	1	2		57	N	raw data - assume reverse TC order
1	12/7/77	2	1		70	N	
1	12/7/77	2	2		57	Y	raw data - assume reverse TC order
1	12/7/77	3	1		73	N	
1	12/7/77	3	2		55	N	raw data - assume reverse TC order
1	12/7/77	4	1		74	N	
1	12/7/77	4	2		55	N	raw data - assume reverse TC order
1	12/7/77	5	1		70	N	
1	12/7/77	5	2		55	N	raw data - assume reverse TC order
1	12/7/77	6	1		78	Y	
1	12/7/77	6	2		55	N	raw data - assume reverse TC order
1	12/7/77	7	1		78	N	
1	12/7/77	7	2		54	N	raw data - assume reverse TC order
1	12/7/77	8	1		70	N	
1	12/7/77	8	2		54	N	raw data - assume reverse TC order
1	12/7/77	9	1		70	N	
1	12/7/77	9	2		54	N	raw data - assume reverse TC order
1	12/7/77	10	1		70	N	
1	12/7/77	10	2		54	N	raw data - assume reverse TC order
1	12/7/77	11.	1		70	N	
1	12/7/77	11	2		53	N	raw data - assume reverse TC order
1	,12/7/77	12	1		71	N	
1	12/7/77	12	2		53	N	raw data - assume reverse TC order
1	12/7/77	13	2		51	N	raw data - assume reverse TC order
1	12/7/77	14	2		45	N	raw data - assume reverse TC order
1	2/12/78	13	1		74	N	raw data - assume reverse TC order
1	2/12/78	14	1		74	N	raw data - assume reverse TC order
1	2/26/78	1	1		77	N	
1	2/26/78	1	2		68	Y	
1	2/26/78	2	1		78	N	
1	2/26/78	2	2		68	N	
1	2/26/78	3	1		74	N	
1	2/26/78	3	2		68	N	
1	2/26/78	4	1		81	N	
1	2/26/78	4	2		68	N	
1	2/26/78	5	1		82	Y	
1	2/26/78	5	2		68	N	
1	2/26/78	6	1		74	N	
1	2/26/78	6	2		68	N	
1	2/26/78	7	1		74	N	
1	2/26/78	7	2		68	N	
1	2/26/78	8	1		74	N	
1	2/26/78	8	2		68	N	
1	2/26/78	9	1		75	N	
1	2/26/78	9	2		68	N	
1	2/26/78	10	1		75	N	
1	2/26/78	10	2		68	N	
1	2/26/78	12	2		68	N	
1	3/26/78	1	1		60	Y	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 28, 1993.

TANK 241-BY-102							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP (C)	TEMP (F)	Y=MAX TEMP	COMMENTS
1	3/26/78	1	2		80	Y	
1	3/26/78	2	1		60	N	
1	3/26/78	2	2		79	N	
1	3/26/78	3	1		60	N	
1	3/26/78	3	2		79	N	
1	3/26/78	4	1		60	N	
1	3/26/78	4	2		79	N	
1	3/26/78	5	1		59	N	
1	3/26/78	5	2		80	N	
1	3/26/78	6	1		59	N	
1	3/26/78	6	2		80	N	
1	3/26/78	7	1		59	N	
1	3/26/78	7	2		80	N	
1	3/26/78	8	1		59	N	
1	3/26/78	8	2		80	N	
1	3/26/78	9	2		80	N	
1	3/26/78	10	2		80	N	
1	3/26/78	11	2		80	N	
1	3/26/78	12	2		80	N	
1	4/23/78	1	1		89	Y	
1	4/23/78	1	2		78	N	
1	4/23/78	2	1		89	N	
1	4/23/78	2	2		80	N	
1	4/23/78	3	1		89	N	
1	4/23/78	3	2		82	N	
1	4/23/78	4	1		88	N	
1	4/23/78	4	2		82	N	
1	4/23/78	5	1		88	N	
1	4/23/78	5	2		79	N	
1	4/23/78	6	1		87	N	
1	4/23/78	6	2		85	Y	
1	4/23/78	7	1		87	N	
1	4/23/78	7	2		85	N	
1	4/23/78	8	1		87	N	
1	4/23/78	8	2		69	N	
1	4/23/78	9	1		87	N	
1	4/23/78	9	2		82	N	
1	4/23/78	10	1		86	N	
1	4/23/78	10	2		81	N	
1	4/23/78	11	1		86	N	
1	4/23/78	11	2		82	N	
1	4/23/78	12	1		86	N	
1	4/23/78	12	2		82	N	
1	6/17/78	1	1			N	115 - suspect data (high), reverse TC order
1	6/17/78	1	2		70	N	
1	6/17/78	2	1			N	114 - suspect data (high), reverse TC order
1	6/17/78	2	2		70	N	
1	6/17/78	3	1			N	117 - suspect data (high), reverse TC order
1	6/17/78	3	2		72	N	
1	6/17/78	4	1			N	117 - suspect data (high), reverse TC order
1	6/17/78	4	2		73	N	
1	6/17/78	5	1			Y	117 - suspect data (high), reverse TC order
1	6/17/78	5	2		69	N	
1	6/17/78	6	1			N	111 - suspect data (high), reverse TC order
1	6/17/78	7	1			N	104 - suspect data (high), reverse TC order
1	6/17/78	7	2		73	N	
1	6/17/78	8	1		100	N	raw data - assume reverse TC order
1	6/17/78	8	2		70	N	
1	6/17/78	9	1		98	N	raw data - assume reverse TC order
1	6/17/78	9	2		70	N	
1	6/17/78	10	1		96	N	raw data - assume reverse TC order
1	6/17/78	10	2		69	N	
1	6/17/78	11	1		99	N	raw data - assume reverse TC order
1	6/17/78	11	2		70	N	
1	6/17/78	12	1		97	N	raw data - assume reverse TC order
1	6/17/78	12	2		74	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 28, 1993.

TANK 241-BY-102							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP (C)	TEMP (F)	Y=MAX TEMP	COMMENTS
1	7/16/78	1	1		64	N	raw data - assume reverse TC order
1	7/16/78	1	2		55	N	
1	7/16/78	2	1		65	N	raw data - assume reverse TC order
1	7/16/78	2	2		55	N	
1	7/16/78	3	1		65	N	raw data - assume reverse TC order
1	7/16/78	3	2		57	N	
1	7/16/78	4	1		65	N	raw data - assume reverse TC order
1	7/16/78	4	2		57	N	
1	7/16/78	5	1		65	Y	raw data - assume reverse TC order
1	7/16/78	5	2		54	N	
1	7/16/78	6	1		57	N	raw data - assume reverse TC order
1	7/16/78	7	1		53	N	raw data - assume reverse TC order
1	7/16/78	7	2		57	N	
1	7/16/78	8	1		50	N	raw data - assume reverse TC order
1	7/16/78	8	2		54	N	
1	7/16/78	9	1		49	N	raw data - assume reverse TC order
1	7/16/78	9	2		54	N	
1	7/16/78	10	1		48	N	raw data - assume reverse TC order
1	7/16/78	10	2		53	N	
1	7/16/78	11	1		48	N	raw data - assume reverse TC order
1	7/16/78	11	2		53	N	
1	7/16/78	12	1		50	N	raw data - assume reverse TC order
1	7/16/78	12	2		56	N	
1	8/13/78	1	1		62	N	raw data - assume reverse TC order
1	8/13/78	1	2		76	N	
1	8/13/78	2	1		60	N	raw data - assume reverse TC order
1	8/13/78	2	2		77	N	
1	8/13/78	3	1		58	N	raw data - assume reverse TC order
1	8/13/78	3	2		79	N	
1	8/13/78	4	1		56	N	raw data - assume reverse TC order
1	8/13/78	4	2		79	N	
1	8/13/78	5	1		56	N	raw data - assume reverse TC order
1	8/13/78	5	2		76	N	
1	8/13/78	6	1		62	N	raw data - assume reverse TC order
1	8/13/78	7	2		79	N	
1	8/13/78	8	1		66	N	raw data - assume reverse TC order
1	8/13/78	8	2		77	N	
1	8/13/78	9	1		53	N	raw data - assume reverse TC order
1	.8/13/78	9	2		77	N	
1	8/13/78	10	1		51	N	raw data - assume reverse TC order
1	8/13/78	10	2		76	N	
1	8/13/78	11	1		55	N	raw data - assume reverse TC order
1	8/13/78	11	2		77	N	
1	8/13/78	12	1		45	N	raw data - assume reverse TC order
1	8/13/78	12	2		80	N	
1	8/13/78	13	2		77	N	
1	8/13/78	14	2		76	N	
1	9/10/78	1	1		72	N	raw data - assume reverse TC order
1	9/10/78	2	1		72	N	raw data - assume reverse TC order
1	9/10/78	3	1		73	N	raw data - assume reverse TC order
1	9/10/78	4	1		73	N	raw data - assume reverse TC order
1	9/10/78	5	1		73	Y	raw data - assume reverse TC order
1	9/10/78	7	1		69	N	raw data - assume reverse TC order
1	9/10/78	8	1		64	N	raw data - assume reverse TC order
1	9/10/78	9	1		63	N	raw data - assume reverse TC order
1	9/10/78	10	1		62	N	raw data - assume reverse TC order
1	9/10/78	11	1		67	N	raw data - assume reverse TC order
1	9/10/78	12	1		66	N	raw data - assume reverse TC order
1	9/12/78	1	1		76	N	
1	9/12/78	2	1		77	N	
1	9/12/78	3	1		80	N	
1	9/12/78	4	1		80	N	
1	9/12/78	5	1		77	N	
1	9/12/78	6	1		99	Y	
1	9/12/78	7	1		81	N	
1	9/12/78	8	1		78	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 28, 1993.

TANK 241-BY-102							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP (C)	TEMP (F)	Y=MAX TEMP	COMMENTS
1	9/12/78	9	1		77	N	
1	9/12/78	10	1		77	N	
1	9/12/78	11	1		78	N	
1	9/12/78	12	1		81	N	
1	9/12/78	13	1		77	N	
1	9/12/78	14	1		76	N	
1	10/7/78	1	1		92	N	raw data - assume reverse TC order
1	10/7/78	2	1		92	N	raw data - assume reverse TC order
1	10/7/78	3	1		92	N	raw data - assume reverse TC order
1	10/7/78	4	1		93	N	raw data - assume reverse TC order
1	10/7/78	5	1		93	Y	raw data - assume reverse TC order
1	10/7/78	6	1		92	N	raw data - assume reverse TC order
1	10/7/78	7	1		84	N	raw data - assume reverse TC order
1	10/7/78	8	1		81	N	raw data - assume reverse TC order
1	10/7/78	9	1		80	N	raw data - assume reverse TC order
1	10/7/78	10	1		77	N	raw data - assume reverse TC order
1	10/7/78	11	1		76	N	raw data - assume reverse TC order
1	10/7/78	12	1		75	N	raw data - assume reverse TC order
1	1/3/79	1	1		71	Y	
1	1/3/79	2	1		70	N	
1	1/3/79	3	1		70	N	
1	1/3/79	4	1		67	N	
1	1/3/79	5	1		65	N	
1	1/3/79	6	1		59	N	
1	1/3/79	7	1		46	N	
1	1/3/79	8	1		41	N	
1	1/3/79	9	1		41	N	
1	1/3/79	10	1		41	N	
1	1/3/79	11	1		41	N	
1	1/3/79	12	1		41	N	
1	4/22/79	1	1		72	Y	
1	4/22/79	2	1		72	N	
1	4/22/79	3	1		72	N	
1	4/22/79	4	1		72	N	
1	4/22/79	5	1		71	N	
1	4/22/79	6	1		71	N	
1	4/22/79	8	1		71	N	
1	4/22/79	9	1		71	N	
1	4/22/79	10	1		71	N	
1	4/22/79	11	1		71	N	
1	4/22/79	12	1		71	N	
1	4/22/79	13	1		71	N	
1	4/22/79	14	1		71	N	
1	11/2/91	1	1		88	Y	K-890523512-47
1	11/19/91	1	1			N	O/S NO TC TREE
1	7/2/92	1	1			N	O/S NO TC TREE
1	1/1/93	1	1			N	O/S NO TC TREE

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 28, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/12/73	1			68		
1	11/12/73	2			82		
1	11/12/73	3			141		
1	11/12/73	4			136		
1	11/12/73	5			136		
1	11/12/73	6			125		
1	11/12/73	7			53		
1	11/12/73	8			58		
1	11/12/73	9			68		
1	11/12/73	10			68		
1	11/12/73	11			77		
1	11/12/73	12			77		
1	11/21/73	1					10 - suspect data (low)
1	11/21/73	2					16 - suspect data (low)
1	11/21/73	3					48 - suspect data (low)
1	11/21/73	4					48 - suspect data (low)
1	11/21/73	5					45 - suspect data (low)
1	11/21/73	6					40 - suspect data (low)
1	11/21/73	7					0 - suspect data (low)
1	11/21/73	8					0 - suspect data (low)
1	11/21/73	9					4 - suspect data (low)
1	11/21/73	10					8 - suspect data (low)
1	11/21/73	11					11 - suspect data (low)
1	11/21/73	12					11 - suspect data (low)
1	12/10/73	1		20	68		raw data - assumed degree C
1	12/10/73	2		20	68		raw data - assumed degree C
1	12/10/73	3		50	122		raw data - assumed degree C
1	12/10/73	4		50	122		raw data - assumed degree C
1	12/10/73	5		50	122		raw data - assumed degree C
1	12/10/73	6		43	109.4		raw data - assumed degree C
1	12/10/73	7		8	46.4		raw data - assumed degree C
1	12/10/73	8		8	46.4		raw data - assumed degree C
1	12/10/73	9		9	48.2		raw data - assumed degree C
1	12/10/73	10		11	51.8		raw data - assumed degree C
1	12/10/73	11		14	57.2		raw data - assumed degree C
1	12/10/73	12		14	57.2		raw data - assumed degree C
1	12/17/73	1		23	73.4		raw data - assumed degree C
1	12/17/73	2		28	82.4		raw data - assumed degree C
1	12/17/73	3		61	141.8		raw data - assumed degree C
1	12/17/73	4		61	141.8		raw data - assumed degree C
1	12/17/73	5		58	136.4		raw data - assumed degree C
1	12/17/73	6		55	131		raw data - assumed degree C
1	12/17/73	7		15	59		raw data - assumed degree C
1	12/17/73	8		15	59		raw data - assumed degree C
1	12/17/73	9		18	64.4		raw data - assumed degree C
1	12/17/73	10		18	64.4		raw data - assumed degree C
1	12/17/73	11		22	71.6		raw data - assumed degree C
1	12/17/73	12		23	73.4		raw data - assumed degree C
1	12/20/73	1		24	75.2		raw data - assumed degree C
1	12/20/73	2		25	77		raw data - assumed degree C
1	12/20/73	3		60	140		raw data - assumed degree C
1	12/20/73	4		60	140		raw data - assumed degree C
1	12/20/73	5		57	134.6		raw data - assumed degree C
1	12/20/73	6		55	131		raw data - assumed degree C
1	12/20/73	7		18	64.4		raw data - assumed degree C
1	12/20/73	8		18	64.4		raw data - assumed degree C
1	12/20/73	9		18	64.4		raw data - assumed degree C
1	12/20/73	10		19	66.2		raw data - assumed degree C
1	12/20/73	11		22	71.6		raw data - assumed degree C
1	12/20/73	12		22	71.6		raw data - assumed degree C
1	12/20/73	15		38	100.4		raw data - assumed degree C
1	9/12/74	1	1	36	96.8	N	degree C/TWINS confirm
1	9/12/74	2	1	38	100.4	N	degree C/TWINS confirm
1	9/12/74	3	1	52	125.6	Y	degree C/TWINS confirm
1	9/12/74	4	1	52	125.6	N	degree C/TWINS confirm
1	9/12/74	6	1	48	118.4	N	degree C/TWINS confirm

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	9/12/74	7	1	38	100.4	N	degree C/TWINS confirm
1	9/12/74	8	1	38	100.4	N	degree C/TWINS confirm
1	9/12/74	9	1	35	95	N	degree C/TWINS confirm
1	9/12/74	10	1	35	95	N	degree C/TWINS confirm
1	9/12/74	11	1	35	95	N	degree C/TWINS confirm
1	9/12/74	12	1	34	93.2	N	degree C/TWINS confirm
1	10/8/74	1	1	22	71.6	N	degree C/TWINS confirm
1	10/8/74	2	1	22	71.6	N	degree C/TWINS confirm
1	10/8/74	3	1	44	111.2	Y	degree C/TWINS confirm
1	10/8/74	4	1	43	109.4	N	degree C/TWINS confirm
1	10/8/74	6	1	31	87.8	N	degree C/TWINS confirm
1	10/8/74	7	1	22	71.6	N	degree C/TWINS confirm
1	10/8/74	8	1	22	71.6	N	degree C/TWINS confirm
1	10/8/74	9	1	22	71.6	N	degree C/TWINS confirm
1	10/8/74	10	1	22	71.6	N	degree C/TWINS confirm
1	10/8/74	11	1	22	71.6	N	degree C/TWINS confirm
1	10/8/74	12	1	22	71.6	N	degree C/TWINS confirm
1	10/29/74	1	1	19	66.2	N	degree C/TWINS confirm
1	10/29/74	2	1	16	60.8	N	degree C/TWINS confirm
1	10/29/74	3	1	42	107.6	Y	degree C/TWINS confirm
1	10/29/74	4	1	42	107.6	N	degree C/TWINS confirm
1	10/29/74	5	1	20	68	N	degree C/TWINS confirm
1	10/29/74	6	1	20	68	N	degree C/TWINS confirm
1	10/29/74	7	1	16	60.8	N	degree C/TWINS confirm
1	10/29/74	8	1	16	60.8	N	degree C/TWINS confirm
1	10/29/74	9	1	16	60.8	N	degree C/TWINS confirm
1	10/29/74	10	1	16	60.8	N	degree C/TWINS confirm
1	10/29/74	11	1	19	66.2	N	degree C/TWINS confirm
1	10/29/74	12	1	19	66.2	N	degree C/TWINS confirm
1	11/12/74	1	1	15	59	N	degree C/TWINS confirm
1	11/12/74	2	1	10	50	N	degree C/TWINS confirm
1	11/12/74	3	1	31	87.8	Y	degree C/TWINS confirm
1	11/12/74	4	1	31	87.8	N	degree C/TWINS confirm
1	11/12/74	6	1	17	62.6	N	degree C/TWINS confirm
1	11/12/74	7	1	27	80.6	N	degree C/TWINS confirm
1	11/12/74	8	1	12	53.6	N	degree C/TWINS confirm
1	11/12/74	9	1	12	53.6	N	degree C/TWINS confirm
1	11/12/74	10	1	12	53.6	N	degree C/TWINS confirm
1	11/12/74	11	1	12	53.6	N	degree C/TWINS confirm
1	11/12/74	12	1	12	53.6	N	degree C/TWINS confirm
1	11/26/74	1	1	16	60.8	N	degree C/TWINS confirm
1	11/26/74	2	1	12	53.6	N	degree C/TWINS confirm
1	11/26/74	3	1	44	111.2	Y	degree C/TWINS confirm
1	11/26/74	4	1	44	111.2	N	degree C/TWINS confirm
1	11/26/74	5	1	24	75.2	N	degree C/TWINS confirm
1	11/26/74	6	1	36	96.8	N	degree C/TWINS confirm
1	11/26/74	7	1	12	53.6	N	degree C/TWINS confirm
1	11/26/74	8	1	12	53.6	N	degree C/TWINS confirm
1	11/26/74	9	1	14	57.2	N	degree C/TWINS confirm
1	11/26/74	10	1	14	57.2	N	degree C/TWINS confirm
1	11/26/74	11	1	16	60.8	N	degree C/TWINS confirm
1	11/26/74	12	1	16	60.8	N	degree C/TWINS confirm
1	12/11/74	1	1	40	104	Y	degree C/TWINS confirm
1	12/11/74	2	1	40	104	N	degree C/TWINS confirm
1	12/11/74	3	1	40	104	N	degree C/TWINS confirm
1	12/11/74	4	1	39.44	102.992	N	degree C/TWINS confirm
1	12/11/74	5	1	17.78	64.004	N	degree C/TWINS confirm
1	12/11/74	6	1	33.33	91.994	N	degree C/TWINS confirm
1	12/11/74	11	1	12.22	53.996	N	degree C/TWINS confirm
1	12/11/74	12	1	11.67	53.006	N	degree C/TWINS confirm
1	12/17/74	3	1	38.89	102.002	Y	degree C/TWINS confirm
1	12/17/74	4	1	38.89	102.002	N	degree C/TWINS confirm
1	12/17/74	5	1	24.44	75.992	N	degree C/TWINS confirm
1	12/17/74	6	1	33.33	91.994	N	degree C/TWINS confirm
1	12/17/74	11	1	12.22	53.996	N	degree C/TWINS confirm
1	12/17/74	12	1	12.22	53.996	N	degree C/TWINS confirm

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/31/74	1	1	10	50	N	degree C/TWINS confirm
1	12/31/74	2	1	10	50	N	degree C/TWINS confirm
1	12/31/74	3	1	41.11	105.998	Y	degree C/TWINS confirm
1	12/31/74	4	1	41.11	105.998	N	degree C/TWINS confirm
1	12/31/74	5	1	24.44	75.992	N	degree C/TWINS confirm
1	12/31/74	6	1	33.33	91.994	N	degree C/TWINS confirm
1	12/31/74	11	1	11.11	51.998	N	degree C/TWINS confirm
1	12/31/74	12	1	11.11	51.998	N	degree C/TWINS confirm
1	1/8/75	1	1	13.89	57.002	N	degree C/TWINS confirm
1	1/8/75	2	1	10	50	N	degree C/TWINS confirm
1	1/8/75	3	1	38.33	100.994	N	degree C/TWINS confirm
1	1/8/75	4	1	38.89	102.002	Y	degree C/TWINS confirm
1	1/8/75	5	1	22.78	73.004	N	degree C/TWINS confirm
1	1/8/75	6	1	32.22	89.996	N	degree C/TWINS confirm
1	1/8/75	7	1	10	50	N	degree C/TWINS confirm
1	1/8/75	8	1	10	50	N	degree C/TWINS confirm
1	1/8/75	9	1	10	50	N	degree C/TWINS confirm
1	1/8/75	10	1	10	50	N	degree C/TWINS confirm
1	1/8/75	11	1	11.67	53.006	N	degree C/TWINS confirm
1	1/8/75	12	1	11.67	53.006	N	degree C/TWINS confirm
1	1/21/75	1	1	11	51.8	N	degree C/TWINS confirm
1	1/21/75	2	1	7	44.6	N	degree C/TWINS confirm
1	1/21/75	3	1	48	118.4	Y	degree C/TWINS confirm
1	1/21/75	4	1	48	118.4	N	degree C/TWINS confirm
1	1/21/75	5	1	30	86	N	degree C/TWINS confirm
1	1/21/75	6	1	39	102.2	N	degree C/TWINS confirm
1	1/21/75	7	1	6	42.8	N	degree C/TWINS confirm
1	1/21/75	8	1	6	42.8	N	degree C/TWINS confirm
1	1/21/75	9	1	7	44.6	N	degree C/TWINS confirm
1	1/21/75	10	1	9	48.2	N	degree C/TWINS confirm
1	1/21/75	11	1	11	51.8	N	degree C/TWINS confirm
1	1/21/75	12	1	12	53.6	N	degree C/TWINS confirm
1	1/28/75	1	1	4	39.2	N	degree C/TWINS confirm
1	1/28/75	2	1	1	33.8	N	degree C/TWINS confirm
1	1/28/75	3	1	36	96.8	N	degree C/TWINS confirm
1	1/28/75	4	1	37	98.6	Y	degree C/TWINS confirm
1	1/28/75	5	1	30	86	N	degree C/TWINS confirm
1	1/28/75	6	1	29	84.2	N	degree C/TWINS confirm
1	1/28/75	7	1	2	35.6	N	degree C/TWINS confirm
1	4/22/75	1	1	20	68	N	degree C/TWINS confirm
1	4/22/75	2	1	18	64.4	N	degree C/TWINS confirm
1	4/22/75	3	1	37	98.6	Y	degree C/TWINS confirm
1	4/22/75	4	1	37	98.6	N	degree C/TWINS confirm
1	4/22/75	5	1	22	71.6	N	degree C/TWINS confirm
1	4/22/75	6	1	28	82.4	N	degree C/TWINS confirm
1	4/22/75	7	1	14	57.2	N	degree C/TWINS confirm
1	4/22/75	8	1	16	60.8	N	degree C/TWINS confirm
1	4/22/75	9	1	16	60.8	N	degree C/TWINS confirm
1	4/22/75	10	1	16	60.8	N	degree C/TWINS confirm
1	4/22/75	11	1	16	60.8	N	degree C/TWINS confirm
1	4/22/75	12	1	16	60.8	N	degree C/TWINS confirm
1	4/29/75	1	1	18	64.4	N	degree C/TWINS confirm
1	4/29/75	2	1	18	64.4	N	degree C/TWINS confirm
1	4/29/75	3	1	38	100.4	Y	degree C/TWINS confirm
1	4/29/75	4	1	38	100.4	N	degree C/TWINS confirm
1	4/29/75	5	1	21	69.8	N	degree C/TWINS confirm
1	4/29/75	6	1	26	78.8	N	degree C/TWINS confirm
1	4/29/75	7	1	13	55.4	N	degree C/TWINS confirm
1	4/29/75	8	1	14	57.2	N	degree C/TWINS confirm
1	4/29/75	9	1	14	57.2	N	degree C/TWINS confirm
1	4/29/75	10	1	10	50	N	degree C/TWINS confirm
1	4/29/75	11	1	10	50	N	degree C/TWINS confirm
1	4/29/75	12	1	10	50	N	degree C/TWINS confirm
1	5/20/75	1	1	18	64.4	N	degree C/TWINS confirm
1	5/20/75	2	1	18	64.4	N	degree C/TWINS confirm
1	5/20/75	3	1	32	89.6	Y	degree C/TWINS confirm

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	5/20/75	4	1	32	89.6	N	degree C/TWINS confirm
1	5/20/75	5	1	32	89.6	N	degree C/TWINS confirm
1	5/20/75	6	1	26	78.8	N	degree C/TWINS confirm
1	5/20/75	7	1	18	64.4	N	degree C/TWINS confirm
1	5/20/75	8	1	18	64.4	N	degree C/TWINS confirm
1	5/20/75	9	1	18	64.4	N	degree C/TWINS confirm
1	5/20/75	10	1	16	60.8	N	degree C/TWINS confirm
1	5/20/75	11	1	16	60.8	N	degree C/TWINS confirm
1	5/20/75	12	1	16	60.8	N	degree C/TWINS confirm
1	6/17/75	1	1		80	N	
1	6/17/75	2	1		80	N	
1	6/17/75	3	1		94	Y	
1	6/17/75	4	1		94	N	
1	6/17/75	5	1		93	N	
1	6/17/75	6	1		83	N	
1	6/17/75	7	1		79	N	
1	6/17/75	8	1		79	N	
1	6/17/75	9	1		76	N	
1	6/17/75	10	1		70	N	
1	6/17/75	11	1		68	N	
1	6/17/75	12	1		68	N	
1	7/28/75	1	1		100	Y	
1	7/28/75	2	1		97	N	
1	7/28/75	3	1		97	N	
1	7/28/75	4	1		97	N	
1	7/28/75	5	1		96	N	
1	7/28/75	6	1		89	N	
1	7/28/75	7	1		86	N	
1	7/28/75	8	1		96	N	
1	7/28/75	9	1		88	N	
1	7/28/75	10	1		85	N	
1	7/28/75	11	1		81	N	
1	7/28/75	12	1		80	N	
1	8/26/75	1	1		88	N	
1	8/26/75	2	1		87	N	
1	8/26/75	3	1		99	Y	
1	8/26/75	4	1		99	N	
1	8/26/75	5	1		98	N	
1	8/26/75	6	1		93	N	
1	8/26/75	7	1		86	N	
1	8/26/75	8	1		86	N	
1	8/26/75	9	1		83	N	
1	8/26/75	10	1		79	N	
1	8/26/75	11	1		78	N	
1	8/26/75	12	1		78	N	
1	11/21/75	1	1		79	N	
1	11/21/75	2	1		61	N	
1	11/21/75	3	1		97	Y	
1	11/21/75	4	1		97	N	
1	11/21/75	5	1		96	N	
1	11/21/75	6	1		90	N	
1	11/21/75	7	1		51	N	
1	11/21/75	8	1		51	N	
1	11/21/75	9	1		56	N	
1	11/21/75	10	1		53	N	
1	11/21/75	11	1		58	N	
1	11/21/75	12	1		59	N	
1	1/7/76	1	1		62	N	
1	1/7/76	2	1		57	N	
1	1/7/76	3	1		98	Y	
1	1/7/76	5	1		98	N	
1	1/7/76	6	1		89	N	
1	1/7/76	7	1		45	N	
1	1/7/76	8	1		46	N	
1	1/7/76	9	1		52	N	
1	1/7/76	10	1		47	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/7/76	11	1		54	N	
1	1/7/76	12	1		54	N	
1	2/27/76	1	1	12	53.6	N	
1	2/27/76	2	1	9	48.2	N	
1	2/27/76	3	1	40	104	Y	
1	2/27/76	4	1	40	104	N	
1	2/27/76	5	1	25	77	N	
1	2/27/76	6	1	32	89.6	N	
1	2/27/76	7	1	8	46.4	N	
1	2/27/76	8	1	8	46.4	N	
1	2/27/76	9	1	8	46.4	N	
1	2/27/76	10	1	10	50	N	
1	2/27/76	11	1	10	50	N	
1	2/27/76	12	1	10	50	N	
1	3/4/76	1	1		61	N	
1	3/4/76	2	1		58	N	
1	3/4/76	3	1		94	Y	
1	3/4/76	4	1		94	N	
1	3/4/76	5	1		49	N	
1	3/4/76	6	1		82	N	
1	3/4/76	7	1		46	N	
1	3/4/76	8	1		46	N	
1	3/4/76	9	1		51	N	
1	3/4/76	10	1		44	N	
1	3/4/76	11	1		50	N	
1	3/4/76	12	1		51	N	
1	3/18/76	1	1	12	53.6	N	raw data - assumed degree C
1	3/18/76	2	1	12	53.6	N	raw data - assumed degree C
1	3/18/76	3	1	40	104	Y	raw data - assumed degree C
1	3/18/76	4	1	23	73.4	N	raw data - assumed degree C
1	3/18/76	5	1	30	86	N	raw data - assumed degree C
1	3/18/76	6	1	12	53.6	N	raw data - assumed degree C
1	3/18/76	7	1	12	53.6	N	raw data - assumed degree C
1	3/18/76	8	1	12	53.6	N	raw data - assumed degree C
1	3/18/76	9	1	12	53.6	N	raw data - assumed degree C
1	3/18/76	10	1	12	53.6	N	raw data - assumed degree C
1	3/18/76	11	1	12	53.6	N	raw data - assumed degree C
1	3/18/76	12	1	12	53.6	N	raw data - assumed degree C
1	4/1/76	1	1	5.56	42.008	N	raw data - assumed degree C
1	4/1/76	2	1	6.67	44.006	N	raw data - assumed degree C
1	4/1/76	3	1	36.67	98.006	Y	raw data - assumed degree C
1	4/1/76	4	1	36.67	98.006	N	raw data - assumed degree C
1	4/1/76	5	1	22.78	73.004	N	raw data - assumed degree C
1	4/1/76	6	1	28.33	82.994	N	raw data - assumed degree C
1	4/1/76	7	1	8.33	46.994	N	raw data - assumed degree C
1	4/1/76	8	1	8.33	46.994	N	raw data - assumed degree C
1	4/1/76	9	1	11.11	51.998	N	raw data - assumed degree C
1	4/1/76	10	1	12.22	53.996	N	raw data - assumed degree C
1	4/1/76	11	1	13.89	57.002	N	raw data - assumed degree C
1	4/1/76	12	1	13.89	57.002	N	raw data - assumed degree C
1	5/7/76	1	1		69	N	
1	5/7/76	2	1		65	N	
1	5/7/76	3	1		82	Y	
1	5/7/76	4	1		82	N	
1	5/7/76	5	1		74	N	
1	5/7/76	6	1		71	N	
1	5/7/76	7	1		60	N	
1	5/7/76	8	1		61	N	
1	5/7/76	9	1		62	N	
1	5/7/76	10	1		66	N	
1	5/7/76	11	1		58	N	
1	5/7/76	12	1		58	N	
1	6/9/76	1	1		82	N	
1	6/9/76	2	1		81	N	
1	6/9/76	3	1		90	Y	
1	6/9/76	4	1		90	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	6/9/76	5	1		89	N	
1	6/9/76	6	1		82	N	
1	6/9/76	7	1		79	N	
1	6/9/76	8	1		79	N	
1	6/9/76	9	1		77	N	
1	6/9/76	10	1		70	N	
1	6/9/76	11	1		69	N	
1	6/9/76	12	1		69	N	
1	7/7/76	1	1		84	Y	
1	7/7/76	2	1		67	N	
1	7/7/76	3	1		82	N	
1	7/7/76	4	1		82	N	
1	7/7/76	5	1		80	N	
1	7/7/76	6	1		74	N	
1	7/7/76	7	1		79	N	
1	7/7/76	8	1		78	N	
1	7/7/76	9	1		67	N	
1	7/7/76	10	1		79	N	
1	7/7/76	11	1		67	N	
1	7/7/76	12	1		67	N	
1	8/14/76	1	1		84	Y	
1	8/14/76	2	1		80	N	
1	8/14/76	3	1		79	N	
1	8/14/76	4	1		78	N	
1	8/14/76	5	1		76	N	
1	8/14/76	6	1		73	N	
1	8/14/76	7	1		78	N	
1	8/14/76	8	1		76	N	
1	8/14/76	9	1		64	N	
1	8/14/76	10	1		78	N	
1	8/14/76	11	1		66	N	
1	8/14/76	12	1		66	N	
1	9/13/76	1	1		88	Y	
1	9/13/76	2	1		73	N	
1	9/13/76	3	1		85	N	
1	9/13/76	4	1		84	N	
1	9/13/76	5	1		82	N	
1	9/13/76	6	1		79	N	
1	9/13/76	7	1		76	N	
1	9/13/76	8	1		75	N	
1	9/13/76	9	1		66	N	
1	9/13/76	10	1		82	N	
1	9/13/76	11	1		71	N	
1	9/13/76	12	1		72	N	
1	11/7/76	1	1		81	N	
1	11/7/76	2	1		60	N	
1	11/7/76	3	1		86	N	
1	11/7/76	4	1		87	N	
1	11/7/76	5	1		85	N	
1	11/7/76	6	1		84	N	
1	11/7/76	7	1		58	N	
1	11/7/76	8	1		58	N	
1	11/7/76	9	1		56	N	
1	11/7/76	10	1		57	N	
1	11/7/76	11	1		64	N	
1	11/7/76	12	1		65	N	
1	12/9/76	1	1		107	N	
1	12/9/76	2	1		72	N	
1	12/9/76	3	1		110	Y	
1	12/9/76	4	1		109	N	
1	12/9/76	5	1		107	N	
1	12/9/76	6	1		105	N	
1	12/9/76	7	1		65	N	
1	12/9/76	8	1		65	N	
1	12/9/76	9	1		88	N	
1	12/9/76	10	1		88	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/9/76	11	1		82	N	
1	12/9/76	12	1		82	N	
1	1/3/77	1	1		95	N	
1	1/3/77	2	1		95	N	
1	1/3/77	3	1		96	Y	
1	1/3/77	4	1		96	N	
1	1/3/77	5	1		95	N	
1	1/3/77	6	1		92	N	
1	1/3/77	10	1		62	N	
1	1/3/77	11	1		65	N	
1	1/3/77	12	1		65	N	
1	1/26/77	1	1		84	N	
1	1/26/77	2	1		50	N	
1	1/26/77	3	1		85	Y	
1	1/26/77	4	1		84	N	
1	1/26/77	5	1		83	N	
1	1/26/77	6	1		76	N	
1	1/26/77	7	1		45	N	
1	1/26/77	8	1		45	N	
1	1/26/77	9	1		49	N	
1	1/26/77	10	1		54	N	
1	1/26/77	11	1		57	N	
1	1/26/77	12	1		57	N	
1	3/28/77	1	1		92	Y	
1	3/28/77	2	1		59	N	
1	3/28/77	3	1		88	N	
1	3/28/77	4	1		88	N	
1	3/28/77	5	1		87	N	
1	3/28/77	6	1		80	N	
1	3/28/77	7	1		55	N	
1	3/28/77	8	1		55	N	
1	3/28/77	9	1		57	N	
1	3/28/77	10	1		61	N	
1	3/28/77	11	1		63	N	
1	3/28/77	12	1		63	N	
1	4/27/77	1	1		75	N	
1	4/27/77	2	1		70	N	
1	4/27/77	3	1		84	Y	
1	4/27/77	4	1		84	N	
1	4/27/77	5	1		83	N	
1	4/27/77	6	1		76	N	
1	4/27/77	7	1		68	N	
1	4/27/77	8	1		69	N	
1	4/27/77	9	1		68	N	
1	4/27/77	10	1		64	N	
1	4/27/77	11	1		63	N	
1	4/27/77	12	1		63	N	
1	4/27/77	13	1			N	O/S
1	4/27/77	14	1			N	O/S
1	6/30/77	1	1		87	N	
1	6/30/77	2	1		86	N	
1	6/30/77	3	1		87	N	
1	6/30/77	4	1		86	N	
1	6/30/77	5	1		85	N	
1	6/30/77	6	1		83	N	
1	6/30/77	7	1		89	Y	
1	6/30/77	8	1		88	N	
1	6/30/77	9	1		82	N	
1	6/30/77	10	1		77	N	
1	6/30/77	11	1		72	N	
1	6/30/77	12	1		72	N	
1	8/15/77	1	1		76	N	
1	8/15/77	2	1		78	N	
1	8/15/77	3	1		77	N	
1	8/15/77	4	1		77	N	
1	8/15/77	5	1		76	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/15/77	6	1		76	N	
1	8/15/77	7	1		87	Y	
1	8/15/77	8	1		87	N	
1	8/15/77	9	1		79	N	
1	8/15/77	10	1		74	N	
1	8/15/77	11	1		69	N	
1	8/15/77	12	1		69	N	
1	9/12/77	1	1		78	N	
1	9/12/77	2	1		78	N	
1	9/12/77	3	1		79	Y	
1	9/12/77	4	1		79	N	
1	9/12/77	5	1		77	N	
1	9/12/77	6	1		77	N	
1	9/12/77	7	1		72	N	
1	9/12/77	8	1		72	N	
1	9/12/77	9	1		70	N	
1	9/12/77	10	1		69	N	
1	9/12/77	11	1		67	N	
1	9/12/77	12	1		67	N	
1	10/7/77	1	1		86	N	
1	10/7/77	2	1		75	N	
1	10/7/77	3	1		86	N	
1	10/7/77	4	1		88	Y	
1	10/7/77	5	1		85	N	
1	10/7/77	6	1		84	N	
1	10/7/77	7	1		65	N	
1	10/7/77	8	1		65	N	
1	10/7/77	9	1		68	N	
1	10/7/77	10	1		69	N	
1	10/7/77	11	1		71	N	
1	10/7/77	12	1		71	N	
1	12/7/77	1	1		84	Y	
1	12/7/77	2	1		68	N	
1	12/7/77	3	1		83	N	
1	12/7/77	4	1		83	N	
1	12/7/77	5	1		82	N	
1	12/7/77	6	1		77	N	
1	12/7/77	7	1		42	N	
1	12/7/77	8	1		42	N	
1	12/7/77	9	1		49	N	
1	12/7/77	10	1		53	N	
1	12/7/77	11	1		57	N	
1	12/7/77	12	1		58	N	
1	1/29/78	1	1		94	Y	
1	1/29/78	2	1		69	N	
1	1/29/78	3	1		92	N	
1	1/29/78	4	1		92	N	
1	1/29/78	5	1		56	N	
1	1/29/78	6	1		84	N	
1	1/29/78	7	1		45	N	
1	1/29/78	8	1		45	N	
1	1/29/78	9	1		57	N	
1	1/29/78	10	1		62	N	
1	1/29/78	11	1		62	N	
1	3/26/78	3	1		83	N	
1	3/26/78	4	1		83	N	
1	3/26/78	5	1		82	N	
1	3/26/78	6	1		75	N	
1	3/26/78	7	1		53	N	
1	3/26/78	9	1		55	N	
1	3/26/78	10	1		56	N	
1	3/26/78	11	1		58	N	
1	3/26/78	12	1		58	N	
1	4/23/78	1	1		89	Y	
1	4/23/78	2	1		76	N	
1	4/23/78	3	1		84	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	4/23/78	4	1		84	N	
1	4/23/78	5	1		83	N	
1	4/23/78	6	1		76	N	
1	4/23/78	7	1		57	N	
1	4/23/78	8	1		58	N	
1	4/23/78	9	1		60	N	
1	4/23/78	10	1		60	N	
1	4/23/78	11	1		52	N	
1	4/23/78	12	1		52	N	
1	6/17/78	1	1		78	N	
1	6/17/78	2	1		79	Y	
1	6/17/78	3	1		79	N	
1	6/17/78	4	1		78	N	
1	6/17/78	5	1		77	N	
1	6/17/78	6	1		76	N	
1	6/17/78	7	1		71	N	
1	6/17/78	8	1		72	N	
1	6/17/78	9	1		70	N	
1	6/17/78	10	1		66	N	
1	6/17/78	11	1		64	N	
1	6/17/78	12	1		64	N	
1	7/16/78	1	1		76	Y	
1	7/16/78	3	1		66	N	
1	7/16/78	4	1		65	N	
1	7/16/78	5	1		64	N	
1	7/16/78	6	1		64	N	
1	7/16/78	7	1		71	N	
1	7/16/78	8	1		71	N	
1	7/16/78	9	1		65	N	
1	7/16/78	10	1		57	N	
1	7/16/78	11	1		54	N	
1	7/16/78	12	1		53	N	
1	8/13/78	1	1		78	N	
1	8/13/78	2	1		80	N	
1	8/13/78	3	1		79	N	
1	8/13/78	4	1		79	N	
1	8/13/78	5	1		78	N	
1	8/13/78	6	1		79	N	
1	8/13/78	7	1		84	N	
1	8/13/78	8	1		85	Y	
1	8/13/78	9	1		81	N	
1	8/13/78	10	1		74	N	
1	8/13/78	11	1		70	N	
1	8/13/78	12	1		70	N	
1	9/12/78	1	1		86	N	
1	9/12/78	2	1		88	Y	
1	9/12/78	3	1		87	N	
1	9/12/78	4	1		87	N	
1	9/12/78	5	1		87	N	
1	9/12/78	6	1		88	N	
1	9/12/78	7	1		78	N	
1	9/12/78	8	1		79	N	
1	9/12/78	9	1		78	N	
1	9/12/78	10	1		78	N	
1	9/12/78	11	1		77	N	
1	9/12/78	12	1		77	N	
1	10/7/78	1	1		89	Y	
1	10/7/78	2	1		88	N	
1	10/7/78	3	1		88	N	
1	10/7/78	4	1		88	N	
1	10/7/78	5	1		86	N	
1	10/7/78	6	1		87	N	
1	10/7/78	7	1		75	N	
1	10/7/78	8	1		75	N	
1	10/7/78	9	1		75	N	
1	10/7/78	10	1		75	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	10/7/78	11	1		75	N	
1	10/7/78	12	1		75	N	
1	12/28/78	1	1		102	Y	
1	12/28/78	2	1		79	N	
1	12/28/78	3	1		97	N	
1	12/28/78	4	1		97	N	
1	12/28/78	5	1		64	N	
1	12/28/78	6	1		88	N	
1	12/28/78	7	1		55	N	
1	12/28/78	8	1		55	N	
1	12/28/78	9	1		59	N	
1	12/28/78	10	1		64	N	
1	12/28/78	11	1		68	N	
1	12/28/78	12	1		68	N	
1	1/3/79	1	1		86	Y	
1	1/3/79	2	1		85	N	
1	1/3/79	3	1		85	N	
1	1/3/79	4	1		85	N	
1	1/3/79	5	1		85	N	
1	1/3/79	6	1		79	N	
1	4/22/79	1	1		83	N	
1	4/22/79	2	1		86	Y	
1	4/22/79	3	1		85	N	
1	4/22/79	4	1		85	N	
1	4/22/79	5	1		84	N	
1	4/22/79	6	1		78	N	
1	4/22/79	7	1		58	N	
1	4/22/79	8	1		58	N	
1	4/22/79	9	1		60	N	
1	4/22/79	10	1		63	N	
1	4/22/79	11	1		65	N	
1	4/22/79	12	1		65	N	
1	7/7/79	1	1		79	N	
1	7/7/79	2	1		82	N	
1	7/7/79	3	1		80	N	
1	7/7/79	6	1		131	N	
1	7/7/79	7	1		137	Y	
1	7/7/79	8	1		129	N	
1	7/7/79	9	1		105	N	
1	12/1/80	1	1		117	Y	
1	12/1/80	2	1		106	N	
1	12/1/80	3	1		100	N	
1	12/1/80	4	1		100	N	
1	12/1/80	5	1		100	N	
1	12/1/80	6	1		100	N	
1	12/1/80	7	1		100	N	
1	12/1/80	8	1		100	N	
1	6/12/81	1	1		74	N	
1	6/12/81	2	1		77	Y	
1	6/12/81	3	1		77	N	
1	6/12/81	4	1		76	N	
1	6/12/81	5	1		75	N	
1	6/12/81	6	1		76	N	
1	6/12/81	7	1		67	N	
1	6/12/81	8	1		68	N	
1	6/12/81	9	1		68	N	
1	6/12/81	10	1		68	N	
1	6/12/81	11	1		66	N	
1	6/12/81	12	1		65	N	
1	6/12/81	13	1		66	N	
1	12/3/81	1	1	29	84.2	N	raw data - assumed degree C
1	12/3/81	2	1	27	80.6	N	raw data - assumed degree C
1	12/3/81	3	1	31	87.8	Y	raw data - assumed degree C
1	12/3/81	4	1	31	87.8	N	raw data - assumed degree C
1	12/3/81	5	1	30	86	N	raw data - assumed degree C

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/3/81	6	1	30	86	N	raw data - assumed degree C
1	12/3/81	10	1	20	68	N	raw data - assumed degree C
1	12/3/81	11	1	24	75.2	N	raw data - assumed degree C
1	12/3/81	12	1	24	75.2	N	raw data - assumed degree C
1	1/14/82	1	1		79	N	
1	1/14/82	2	1		83	Y	
1	1/14/82	3	1		83	N	
1	1/14/82	4	1		83	N	
1	1/14/82	5	1		82	N	
1	1/14/82	6	1		82	N	
1	1/14/82	10	1		60	N	
1	1/14/82	11	1		67	N	
1	1/14/82	12	1		67	N	
1	2/7/84	1	1		87	N	
1	2/7/84	2	1		89	N	
1	2/7/84	3	1		89	N	
1	2/7/84	4	1		90	Y	
1	2/7/84	5	1		89	N	
1	2/7/84	6	1		86	N	
1	2/7/84	10	1		61	N	
1	2/7/84	11	1		71	N	
1	2/7/84	12	1		71	N	
1	2/26/87	1	1		44	N	
1	2/26/87	2	1		44	N	
1	2/26/87	3	1		44	N	
1	2/26/87	4	1		43	N	
1	2/26/87	5	1		62	N	
1	2/26/87	6	1		43	N	
1	2/26/87	7	1		49	N	
1	2/26/87	8	1		76	Y	
1	2/26/87	9	1		57	N	
1	2/26/87	10	1		57	N	
1	2/26/87	11	1		57	N	
1	2/26/87	12	1		57	N	
1	11/2/89	1	1		83.4	N	
1	11/2/89	2	1		83	N	
1	11/2/89	3	1		84.9	N	
1	11/2/89	4	1		73.4	N	
1	11/2/89	5	1		85	Y	
1	11/2/89	6	1		84.6	N	
1	11/2/89	7	1		82.8	N	
1	11/2/89	8	1		81.3	N	
1	11/2/89	9	1		81	N	
1	11/2/89	10	1		79.8	N	
1	11/2/89	11	1		80.9	N	
1	11/2/89	12	1		78	N	
1	11/2/89	13	1		78.5	N	
1	11/2/89	14	1		78.4	N	
1	11/2/89	15	1		79.1	N	
1	11/2/89	16	1		79.2	N	
1	11/10/89	1	1			N	TC wires not yet in plce in LOW
1	11/17/89	1	1		75.6	Y	Moisture found in LOW
1	11/18/89	1	1		79.3	Y	In LOW test taken with K
1	11/25/89	1	1		79.7	Y	LOW
1	12/1/89	1	1		71	Y	LOW
1	12/10/89	1	1		71	Y	LOW
1	12/15/89	1	1		79.5	Y	LOW K
1	12/23/89	1	1		75.6	Y	
1	12/29/89	1	1		80.2	Y	LOW-K-890723679-20
1	1/6/90	1	1		80.2	Y	LOW
1	1/13/90	1	1		80.3	Y	K LOW
1	1/19/90	1	1		75.1	Y	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/19/90	2	1		70.6	N	(Taken twice on same day using J % E instruments.)
1	1/27/90	1	1		79.5	Y	LOW - K
1	2/5/90	1	1		78.3	Y	LOW K-890723679-20
1	2/11/90	1	1			N	K-890723679-20 Unable to locate thermocouple.
1	3/2/90	1	1		81.8	Y	K-HH-99A-K
1	3/2/90	2	1			N	LOW
1	4/8/90	1	1			N	No Data - SSTPE notified
1	5/5/90	1	1			N	Not taken per PM 90-049
1	6/1/90	1	1			N	O/S Not taken per PM 90-051
1	8/5/90	1	1			N	J1 written to re-install LOW
1	8/7/90	1	1		81.8	Y	LOW
1	9/11/90	1	1		78.3	Y	LOW
1	10/9/90	1	1		73	Y	LOW
1	10/24/90	1	1			Y	No Data - Requested shift office obtain readings 10/26
1	10/26/90	1	1		75.9	Y	J-890523512-20
1	10/30/90	1	2		75.4	Y	K 890723679-64 LOW
1	11/5/90	1	1		73.6	Y	J 890523512-20
1	11/14/90	1	1		71	Y	K 890723679-64 LOW
1	11/18/90	1	1		78.2	Y	K 890723697-74 LOW
1	11/25/90	1	1		78.4	Y	K-890723679-64
1	12/5/90	1	1		68	Y	K 890723679-64 LOW
1	12/10/90	1	1		75	Y	K 890723679-64
1	12/11/90	1	2		75	Y	K 890723679-64
1	12/15/90	1	2		74.9	Y	K LOW
1	12/22/90	1	1		71	Y	K 890723679-64 LOW
1	12/30/90	1	1		70.8	Y	K LOW 890723679-64 6 readings on LOW
1	12/30/90	2	1		70.4	N	
1	12/30/90	3	1		69.9	N	
1	12/30/90	4	1		69.3	N	
1	12/30/90	5	1		69.2	N	
1	12/30/90	6	1		68.9	N	
1	1/6/91	1	1			N	K LOW Probe not in well - called shift office.
1	1/13/91	1	1		74.7	Y	K 890723679-64
1	1/19/91	1	1		78.8	Y	K HH99A-K
1	1/29/91	1	1		80	Y	K HH-99A LOW
1	2/3/91	1	1		78	Y	K Ser#896723679-64
1	2/9/91	1	1		80.5	Y	K890723679-64
1	2/16/91	1	1		80.1	Y	K-890723679-64
1	2/23/91	1	1		80.6	Y	K 890723679-64 LOW
1	3/3/91	1	1		79.4	Y	LOW 890923679-64
1	3/9/91	1	1		79.8	Y	K 890723679-20
1	3/17/91	1	1		79.3	Y	LOW 890923679-64
1	3/23/91	1	1		80.2	Y	LOW 890923679-64
1	3/30/91	1	1		79.1	Y	LOW 890923679-64
1	4/7/91	1	1		81.9	Y	LOW 890623567-12
1	4/14/91	1	1		81.3	Y	K 890623567-12 LOW
1	4/20/91	1	1		81.6	Y	K 890723633-64 LOW
1	4/28/91	1	1		81.3	Y	LOW 890623567-12
1	5/5/91	1	1		80	Y	K 690723633-64 LOW
1	5/12/91	1	1		79.1	N	K 890723679-20 Low
1	5/18/91	1	1		80.4	Y	K 890723633-64 LOW
1	5/25/91	1	1		79.8	Y	K 890723633-64 LOW
1	6/2/91	1	1		80.3	Y	K 890623567-12 LOW
1	6/9/91	1	1		81.5	Y	K 890623567-12 LOW
1	6/15/91	1	1		78.6	Y	K 890723633-64 LOW
1	6/23/91	1	1		80.9	Y	LOW 890623567-12
1	6/29/91	1	1		81.2	Y	K 890623567-12 LOW
1	7/6/91	1	1		81.7	Y	K 890623567-12 LOW
1	7/13/91	1	1		82	Y	K 890623567-12 LOW
1	7/20/91	1	1		87.8	Y	K 890623567-12 LOW
1	7/27/91	1	1		80.7	Y	K 890725813 LOW
1	8/3/91	1	1		80.1	Y	K 890723679-20 LOW

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/10/91	1	1		82	Y	K 890723699-20 LOW
1	8/18/91	1	1		81.1	Y	K 890623567-12 LOW
1	8/24/91	1	1		80.5	Y	K 910226246-56 LOW
1	8/31/91	1	1		80.2	Y	K-910226246-45 LOW
1	9/8/91	1	1		80.2	Y	K-910226246-45 LOW
1	9/15/91	1	1		81.2	N	K-890623567-12
1	9/22/91	1	1		81.4	Y	K-890723679-64 LOW
1	9/28/91	1	1		81.3	Y	K-890723679-64 Omega LOW
1	10/5/91	1	1		78.2	Y	K-910226246-45 LOW
1	10/12/91	1	1		81.2	Y	K-8962356712
1	10/19/91	1	1		80.8	Y	K-890723633-71 LOW
1	10/27/91	1	1		77.8	Y	k-910226246-45
1	11/2/91	1	1		81	Y	K-890523512-47
1	11/9/91	1	1		80	Y	K-890723633-71 LOW
1	11/17/91	1	1		73.8	Y	K-890723679-64 LOW
1	11/24/91	1	1		72	Y	K-890723679-64
1	12/1/91	1	1		74.4	Y	K-890723679-64 LOW
1	12/6/91	1	1		68.6	Y	K-91022624634 LOW
1	12/14/91	1	1		71.5	Y	K-910226246-68 LOW
1	12/20/91	1	1		71.3	Y	K-910426539-39
1	12/29/91	1	1		80.4	Y	J-910126143-29
1	12/29/91	2	1		80.4	N	
1	12/29/91	3	1		80.2	N	
1	12/29/91	4	1		79.8	N	
1	12/29/91	5	1		78.7	N	
1	12/29/91	6	1		76.5	N	
1	12/29/91	7	1		72.5	N	
1	12/29/91	8	1		70.1	N	
1	12/29/91	9	1		69.6	N	
1	12/29/91	10	1		69.6	N	
1	12/29/91	11	1		69.7	N	
1	12/29/91	12	1		69.7	N	
1	12/29/91	13	1		69.9	N	
1	12/29/91	14	1		70	N	
1	1/4/92	1	1		69.3	Y	890623567-12 HH-99A-K LOW
1	1/9/92	1	1		79.5	Y	0126143-14
1	1/9/92	2	1		79.2	N	
1	1/9/92	3	1		79	N	
1	1/9/92	4	1		78.4	N	
1	1/9/92	5	1		77.2	N	
1	1/9/92	6	1		74.6	N	
1	1/9/92	7	1		69.9	N	
1	1/9/92	8	1		67.8	N	
1	1/9/92	9	1		67.4	N	
1	1/9/92	10	1		67.4	N	
1	1/9/92	11	1		67.5	N	
1	1/9/92	12	1		67.5	N	
1	1/9/92	13	1		67.7	N	
1	1/9/92	14	1		67.9	N	
1	1/11/92	1	1		79.3	Y	J-910126143-14
1	1/11/92	2	1		79.2	N	
1	1/11/92	3	1		79	N	
1	1/11/92	4	1		78.3	N	
1	1/11/92	5	1		77.1	N	
1	1/11/92	6	1		74.4	N	
1	1/11/92	7	1		69.6	N	
1	1/11/92	8	1		67.5	N	
1	1/11/92	9	1		67.2	N	
1	1/11/92	10	1		67.2	N	
1	1/11/92	11	1		67.2	N	
1	1/11/92	12	1		67.2	N	
1	1/11/92	13	1		67.1	N	
1	1/11/92	14	1		67.6	N	
1	1/16/92	1	1		80.5	Y	J 910126143-32
1	1/16/92	2	1		80.5	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/16/92	3	1		80.2	N	
1	1/16/92	4	1		79.6	N	
1	1/16/92	5	1		78.3	N	
1	1/16/92	6	1		75.6	N	
1	1/16/92	7	1		70.7	N	
1	1/16/92	8	1		68.4	N	
1	1/16/92	9	1		68.1	N	
1	1/16/92	10	1		68.1	N	
1	1/16/92	11	1		67.8	N	
1	1/16/92	12	1		67.6	N	
1	1/16/92	13	1		68.1	N	
1	1/16/92	14	1		68.2	N	
1	1/25/92	1	1		79.7	N	J-910126143-14
1	1/25/92	2	1		79.8	Y	
1	1/25/92	3	1		79.5	N	
1	1/25/92	4	1		78.7	N	
1	1/25/92	5	1		77.4	N	
1	1/25/92	6	1		74.5	N	
1	1/25/92	7	1		69.2	N	
1	1/25/92	8	1		66.9	N	
1	1/25/92	9	1		66.6	N	
1	1/25/92	10	1		66.8	N	
1	1/25/92	11	1		67	N	
1	1/25/92	12	1		67.2	N	
1	1/25/92	13	1		67.4	N	
1	1/25/92	14	1		67.5	N	
1	1/28/92	1	1			N	ACCESS RESTRICTED 1/28 - 2/22 DUE TO BATTERY FUME INCIDENT
1	2/24/92	1	1		72.8	N	J-900925741-79
1	2/24/92	2	1		75.2	N	
1	2/24/92	3	1		75.6	N	
1	2/24/92	4	1		77	Y	
1	2/24/92	5	1		72.4	N	
1	2/24/92	6	1		67.7	N	
1	2/24/92	7	1		64.9	N	
1	2/24/92	8	1		61	N	
1	2/24/92	9	1		62.2	N	
1	2/24/92	10	1		62.7	N	
1	2/24/92	11	1		61.9	N	
1	2/24/92	12	1		61.9	N	
1	2/24/92	13	1		64.6	N	
1	2/24/92	14	1		63.1	N	
1	2/29/92	1	1		79.4	N	K+I-030/9104265397
1	2/29/92	2	1		77	N	
1	2/29/92	3	1		79.9	Y	
1	2/29/92	4	1		78.3	N	
1	2/29/92	5	1		74.5	N	
1	2/29/92	6	1		71.4	N	
1	2/29/92	7	1		65.6	N	
1	2/29/92	8	1		62.8	N	
1	2/29/92	9	1		62.6	N	
1	2/29/92	10	1		64	N	
1	2/29/92	11	1		65.3	N	
1	2/29/92	12	1		66.6	N	
1	2/29/92	13	1		68.2	N	
1	2/29/92	14	1		67.2	N	
1	2/29/92	15	1		62.2	N	
1	3/15/92	1	1		80	Y	J-910126143-32
1	3/15/92	2	1		80	N	
1	3/15/92	3	1		79.5	N	
1	3/15/92	4	1		78.6	N	
1	3/15/92	5	1		76.8	N	
1	3/15/92	6	1		73.5	N	
1	3/15/92	7	1		68	N	
1	3/15/92	8	1		65.5	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/15/92	9	1		65.2	N	
1	3/15/92	10	1		65.2	N	
1	3/15/92	12	1		65.4	N	
1	3/15/92	13	1		65.5	N	
1	3/15/92	14	1		65.5	N	
1	3/20/92	1	1		79.8	Y	J 91012614332
1	3/20/92	2	1		79.7	N	
1	3/20/92	3	1		79.3	N	
1	3/20/92	4	1		78.1	N	
1	3/20/92	5	1		76.4	N	
1	3/20/92	6	1		73.1	N	
1	3/20/92	7	1		67.7	N	
1	3/20/92	8	1		65.3	N	
1	3/20/92	9	1		65	N	
1	3/20/92	10	1		65.1	N	
1	3/20/92	11	1		65.1	N	
1	3/20/92	12	1		65.2	N	
1	3/20/92	13	1		65.3	N	
1	3/20/92	14	1		65.5	N	
1	3/29/92	1	1		80.2	Y	J 910126143-66
1	3/29/92	2	1		80	N	
1	3/29/92	3	1		79.5	N	
1	3/29/92	4	1		78.5	N	
1	3/29/92	5	1		76.7	N	
1	3/29/92	6	1		73.5	N	
1	3/29/92	7	1		68.3	N	
1	3/29/92	8	1		66.1	N	
1	3/29/92	9	1		65.8	N	
1	3/29/92	10	1		65.8	N	
1	3/29/92	11	1		65.9	N	
1	3/29/92	12	1		65.9	N	
1	3/29/92	13	1		66.1	N	
1	3/29/92	14	1		66.2	N	
1	4/3/92	1	1		79.1	Y	J 910126143-14
1	4/3/92	2	1		78.9	N	
1	4/3/92	3	1		78.4	N	
1	4/3/92	4	1		77.3	N	
1	4/3/92	5	1		75.4	N	
1	4/3/92	6	1		72.2	N	
1	4/3/92	7	1		67.2	N	
1	4/3/92	8	1		65	N	
1	4/3/92	9	1		64.8	N	
1	4/3/92	10	1		64.8	N	
1	4/3/92	11	1		64.9	N	
1	4/3/92	12	1		65	N	
1	4/3/92	13	1		65.1	N	
1	4/3/92	14	1		65.3	N	
1	4/11/92	1	1		86.3	N	K 890723679-80 Will retake temperatures and double check e
1	4/11/92	2	1		86.5	Y	
1	4/11/92	3	1		86	N	
1	4/11/92	4	1		84.3	N	
1	4/11/92	5	1		81.9	N	
1	4/11/92	6	1		77.8	N	
1	4/11/92	7	1		71.4	N	
1	4/11/92	8	1		68.3	N	
1	4/11/92	9	1		68.3	N	
1	4/11/92	10	1		68.4	N	
1	4/11/92	11	1		68.2	N	
1	4/11/92	12	1		68.9	N	
1	4/11/92	13	1		69.1	N	
1	4/11/92	14	1		69.2	N	
1	4/13/92	1	1		77.4	Y	Rechecked
1	4/13/92	2	1		77.1	N	
1	4/13/92	3	1		76	N	
1	4/13/92	4	1		75	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	4/13/92	5	1		74.1	N	
1	4/13/92	6	1		68.6	N	
1	4/13/92	7	1		65.5	N	
1	4/13/92	8	1		61.9	N	
1	4/13/92	9	1		63.2	N	
1	4/13/92	10	1		64	N	
1	4/13/92	11	1		61.8	N	
1	4/13/92	12	1		62.1	N	
1	4/13/92	13	1		63.8	N	
1	4/17/92	1	1		81.3	Y	K 890723679 64 J 890523512 20
1	4/17/92	2	1		81.1	N	
1	4/17/92	3	1		80.4	N	
1	4/17/92	4	1		79.2	N	
1	4/17/92	5	1		77.5	N	
1	4/17/92	6	1		74.4	N	
1	4/17/92	7	1		69.5	N	
1	4/17/92	8	1		67.4	N	
1	4/17/92	9	1		67.1	N	
1	4/17/92	10	1		67.1	N	
1	4/17/92	11	1		67.2	N	
1	4/17/92	12	1		67.4	N	
1	4/17/92	13	1		67.5	N	
1	4/17/92	14	1		67.8	N	
1	4/25/92	1	1		82.3	Y	J 89052351220
1	4/25/92	2	1		83	N	
1	4/25/92	3	1		82.3	N	
1	4/25/92	4	1		80.6	N	
1	4/25/92	5	1		78.3	N	
1	4/25/92	6	1		74.8	N	
1	4/25/92	7	1		70.6	N	
1	4/25/92	8	1		68.6	N	
1	4/25/92	9	1		68.7	N	
1	4/25/92	10	1		68.8	N	
1	4/25/92	11	1		69.1	N	
1	4/25/92	12	1		69.4	N	
1	4/25/92	13	1		69.7	N	
1	4/25/92	14	1		70	N	
1	4/30/92	1	1		77.6	Y	J 890523512-47
1	4/30/92	2	1		77.4	N	
1	4/30/92	3	1		76.7	N	
1	4/30/92	4	1		75.5	N	
1	4/30/92	5	1		73.8	N	
1	4/30/92	6	1		70.8	N	
1	4/30/92	7	1		66.2	N	
1	4/30/92	8	1		64.3	N	
1	4/30/92	9	1		64.1	N	
1	4/30/92	10	1		64.1	N	
1	4/30/92	11	1		64.2	N	
1	4/30/92	12	1		64.3	N	
1	4/30/92	13	1		64.5	N	
1	4/30/92	14	1		64.8	N	
1	5/8/92	1	1		79.1	Y	J 910126143-48
1	5/8/92	2	1		78.9	N	
1	5/8/92	3	1		78.2	N	
1	5/8/92	4	1		76.9	N	
1	5/8/92	5	1		75.1	N	
1	5/8/92	6	1		72.2	N	
1	5/8/92	7	1		67.9	N	
1	5/8/92	8	1		66	N	
1	5/8/92	9	1		65.7	N	
1	5/8/92	10	1		65.7	N	
1	5/8/92	11	1		65.8	N	
1	5/8/92	12	1		65.9	N	
1	5/8/92	13	1		66.1	N	
1	5/8/92	14	1		66.3	N	
1	5/16/92	1	1		80.1	N	J 910126143-32

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	5/16/92	2	1		80.3	Y	
1	5/16/92	3	1		79.7	N	
1	5/16/92	4	1		78.5	N	
1	5/16/92	5	1		76.5	N	
1	5/16/92	6	1		73.5	N	
1	5/16/92	7	1		69	N	
1	5/16/92	8	1		67.4	N	
1	5/16/92	9	1		67.2	N	
1	5/16/92	10	1		67.6	N	
1	5/16/92	11	1		67.9	N	
1	5/16/92	12	1		68.2	N	
1	5/16/92	13	1		68.4	N	
1	5/16/92	14	1		68.8	N	
1	5/24/92	1	1		79.8	Y	J 890523512-47
1	5/24/92	2	1		79.7	N	
1	5/24/92	3	1		79	N	
1	5/24/92	4	1		77.3	N	
1	5/24/92	5	1		75.2	N	
1	5/24/92	6	1		72.2	N	
1	5/24/92	7	1		68.2	N	
1	5/24/92	8	1		66.6	N	
1	5/24/92	9	1		66.7	N	
1	5/24/92	10	1		67.1	N	
1	5/24/92	11	1		67.3	N	
1	5/24/92	12	1		67.7	N	
1	5/24/92	13	1		67.9	N	
1	5/24/92	14	1		68.2	N	
1	5/28/92	1	1		77.3	Y	J 890523512-47
1	5/28/92	2	1		77.1	N	
1	5/28/92	3	1		76.5	N	
1	5/28/92	4	1		75.3	N	
1	5/28/92	5	1		73.6	N	
1	5/28/92	6	1		70.8	N	
1	5/28/92	7	1		66.9	N	
1	5/28/92	8	1		65.2	N	
1	5/28/92	9	1		65	N	
1	5/28/92	10	1		65	N	
1	5/28/92	11	1		65.1	N	
1	5/28/92	12	1		65.3	N	
1	5/28/92	13	1		65.5	N	
1	5/28/92	14	1		65.7	N	
1	6/5/92	1	1		78	Y	J 910126143-50
1	6/5/92	2	1		77.8	N	
1	6/5/92	3	1		77.2	N	
1	6/5/92	4	1		75.9	N	
1	6/5/92	5	1		74.1	N	
1	6/5/92	6	1		71.5	N	
1	6/5/92	7	1		67.8	N	
1	6/5/92	8	1		66.1	N	
1	6/5/92	9	1		66	N	
1	6/5/92	10	1		66	N	
1	6/5/92	11	1		66.1	N	
1	6/5/92	12	1		66.3	N	
1	6/5/92	13	1		66.5	N	
1	6/5/92	14	1		66.8	N	
1	6/13/92	1	1		75.6	Y	J 890523512-47
1	6/13/92	2	1		75.3	N	
1	6/13/92	3	1		74.5	N	
1	6/13/92	4	1		73.9	N	
1	6/13/92	5	1		72	N	
1	6/13/92	6	1		69.1	N	
1	6/13/92	7	1		66.1	N	
1	6/13/92	8	1		64.7	N	
1	6/13/92	9	1		64.5	N	
1	6/13/92	10	1		64.6	N	
1	6/13/92	11	1		64.7	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	6/13/92	12	1		65	N	
1	6/13/92	13	1		65.2	N	
1	6/20/92	1	1		80.2	N	J 910126143-48
1	6/20/92	2	1		80.6	Y	
1	6/20/92	3	1		80	N	
1	6/20/92	4	1		78.5	N	
1	6/20/92	5	1		76.4	N	
1	6/20/92	6	1		73.9	N	
1	6/20/92	7	1		70.9	N	
1	6/20/92	8	1		69.5	N	
1	6/20/92	9	1		69.6	N	
1	6/20/92	10	1		69.8	N	
1	6/20/92	11	1		70	N	
1	6/20/92	12	1		70.3	N	
1	6/20/92	13	1		70.7	N	
1	6/20/92	14	1		71	N	
1	6/28/92	1	1		79.1	Y	J TI-042 910126143-66
1	6/28/92	2	1		79.1	N	
1	6/28/92	3	1		78.5	N	
1	6/28/92	4	1		77.4	N	
1	6/28/92	5	1		75.7	N	
1	6/28/92	6	1		73.4	N	
1	6/28/92	7	1		70.5	N	
1	6/28/92	8	1		69	N	
1	6/28/92	9	1		68.9	N	
1	6/28/92	10	1		69.2	N	
1	6/28/92	11	1		69.4	N	
1	6/28/92	12	1		69.7	N	
1	6/28/92	13	1		70.1	N	
1	6/28/92	14	1		70.4	N	
1	7/3/92	1	1		77.8	Y	J TI-041
1	7/3/92	2	1		77.5	N	
1	7/3/92	3	1		76.9	N	
1	7/3/92	4	1		75.8	N	
1	7/3/92	5	1		74.3	N	
1	7/3/92	6	1		72.2	N	
1	7/3/92	7	1		69.4	N	
1	7/3/92	8	1		68	N	
1	7/3/92	9	1		67.8	N	
1	7/3/92	10	1		67.9	N	
1	7/3/92	11	1		68	N	
1	7/3/92	12	1		68	N	
1	7/3/92	13	1		68.3	N	
1	7/3/92	14	1		68.6	N	
1	7/10/92	1	1		78.4	Y	J 910126143-42
1	7/10/92	2	1		78.1	N	
1	7/10/92	3	1		77.5	N	
1	7/10/92	4	1		76.3	N	
1	7/10/92	5	1		74.9	N	
1	7/10/92	6	1		72.9	N	
1	7/10/92	7	1		70.3	N	
1	7/10/92	8	1		69	N	
1	7/10/92	9	1		68.7	N	
1	7/10/92	10	1		68.8	N	
1	7/10/92	11	1		68.9	N	
1	7/10/92	12	1		69.2	N	
1	7/10/92	13	1		69.5	N	
1	7/10/92	14	1		69.8	N	
1	7/18/92	1	1		78.8	N	J 910126143-42
1	7/18/92	2	1		79	Y	
1	7/18/92	3	1		78.5	N	
1	7/18/92	4	1		77.4	N	
1	7/18/92	5	1		75.8	N	
1	7/18/92	6	1		73.6	N	
1	7/18/92	7	1		71.3	N	
1	7/18/92	8	1		70	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	7/18/92	9	1		70.1	N	
1	7/18/92	10	1		70.5	N	
1	7/18/92	11	1		70.8	N	
1	7/18/92	12	1		71.2	N	
1	7/18/92	13	1		71.6	N	
1	7/18/92	14	1		72	N	
1	7/24/92	1	1		78.4	Y	J HH-99A 910126143-29
1	7/24/92	2	1		78.2	N	
1	7/24/92	3	1		77.6	N	
1	7/24/92	4	1		75.3	N	
1	7/24/92	5	1		73.3	N	
1	7/24/92	6	1		71.6	N	
1	7/24/92	7	1		70.5	N	
1	7/24/92	8	1		70.3	N	
1	7/24/92	9	1		70.3	N	
1	7/24/92	10	1		70.4	N	
1	7/24/92	11	1		70.5	N	
1	7/24/92	12	1		70.6	N	
1	7/24/92	13	1		71	N	
1	8/1/92	1	1		74	N	J TI-041
1	8/1/92	2	1		74.1	Y	
1	8/1/92	3	1		73.4	N	
1	8/1/92	4	1		72.4	N	
1	8/1/92	5	1		71.2	N	
1	8/1/92	6	1		70.2	N	
1	8/1/92	7	1		69.5	N	
1	8/1/92	8	1		69.2	N	
1	8/1/92	9	1		69.6	N	
1	8/1/92	10	1		70	N	
1	8/1/92	11	1		70.3	N	
1	8/1/92	12	1		70.5	N	
1	8/1/92	13	1		70.8	N	
1	8/1/92	14	1		71	N	
1	8/7/92	1	1		77.1	Y	J 890423320-42
1	8/7/92	2	1		76.9	N	
1	8/7/92	3	1		76.5	N	
1	8/7/92	4	1		75.6	N	
1	8/7/92	5	1		74.5	N	
1	8/7/92	6	1		73	N	
1	8/7/92	7	1		71.3	N	
1	8/7/92	8	1		70.2	N	
1	8/7/92	9	1		70	N	
1	8/7/92	10	1		70.1	N	
1	8/7/92	11	1		70.2	N	
1	8/7/92	12	1		70.4	N	
1	8/7/92	13	1		70.6	N	
1	8/7/92	14	1		70.9	N	
1	8/15/92	1	1		78.9	N	J 890423320
1	8/15/92	2	1		79.3	Y	
1	8/15/92	3	1		78.8	N	
1	8/15/92	4	1		77.9	N	
1	8/15/92	5	1		76.5	N	
1	8/15/92	6	1		74.9	N	
1	8/15/92	7	1		73.4	N	
1	8/15/92	8	1		72.6	N	
1	8/15/92	9	1		72.7	N	
1	8/15/92	10	1		72.9	N	
1	8/15/92	11	1		73	N	
1	8/15/92	12	1		73.3	N	
1	8/15/92	13	1		73.5	N	
1	8/15/92	14	1		73.8	N	
1	8/21/92	1	1		77.4	Y	J 890423320-42
1	8/21/92	2	1		77.3	N	
1	8/21/92	3	1		76.9	N	
1	8/21/92	4	1		76.2	N	
1	8/21/92	5	1		75.2	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/21/92	6	1		73.8	N	
1	8/21/92	7	1		72.2	N	
1	8/21/92	8	1		71.3	N	
1	8/21/92	9	1		71.2	N	
1	8/21/92	10	1		71.5	N	
1	8/21/92	11	1		71.4	N	
1	8/21/92	12	1		71.5	N	
1	8/21/92	13	1		71.8	N	
1	8/21/92	14	1		72.1	N	
1	8/30/92	1	1		79.2	Y	J 890423320-42
1	8/30/92	2	1		79.1	N	
1	8/30/92	3	1		78.7	N	
1	8/30/92	4	1		77.8	N	
1	8/30/92	5	1		76.6	N	
1	8/30/92	6	1		75.2	N	
1	8/30/92	7	1		73.6	N	
1	8/30/92	8	1		72.6	N	
1	8/30/92	9	1		72.9	N	
1	8/30/92	10	1		73.3	N	
1	8/30/92	11	1		73.6	N	
1	8/30/92	12	1		74.1	N	
1	8/30/92	13	1		74.4	N	
1	8/30/92	14	1		74.8	N	
1	9/6/92	1	1		77.5	Y	J 890423320-42
1	9/6/92	2	1		77.5	N	
1	9/6/92	3	1		77.2	N	
1	9/6/92	4	1		76.5	N	
1	9/6/92	5	1		75.7	N	
1	9/6/92	6	1		74.6	N	
1	9/6/92	7	1		73.2	N	
1	9/6/92	8	1		72.3	N	
1	9/6/92	9	1		72.2	N	
1	9/6/92	10	1		72.2	N	
1	9/6/92	11	1		72.3	N	
1	9/6/92	12	1		72.5	N	
1	9/6/92	13	1		72.7	N	
1	9/6/92	14	1		72.9	N	
1	9/12/92	1	1		78.6	N	J 890423320-42
1	9/12/92	2	1		78.7	Y	
1	9/12/92	3	1		78.4	N	
1	9/12/92	4	1		77.9	N	
1	9/12/92	5	1		77.1	N	
1	9/12/92	6	1		76	N	
1	9/12/92	7	1		74.7	N	
1	9/12/92	8	1		73.8	N	
1	9/12/92	9	1		73.6	N	
1	9/12/92	10	1		73.7	N	
1	9/12/92	11	1		73.8	N	
1	9/12/92	12	1		73.9	N	
1	9/12/92	13	1		74.1	N	
1	9/12/92	14	1		74.5	N	
1	9/20/92	1	1		78.9	Y	J 910126143-64
1	9/20/92	2	1		78.7	N	
1	9/20/92	3	1		78.4	N	
1	9/20/92	4	1		77.9	N	
1	9/20/92	5	1		77.1	N	
1	9/20/92	6	1		76	N	
1	9/20/92	7	1		74.7	N	
1	9/20/92	8	1		73.8	N	
1	9/20/92	9	1		73.7	N	
1	9/20/92	10	1		73.7	N	
1	9/20/92	11	1		73.8	N	
1	9/20/92	12	1		74	N	
1	9/20/92	13	1		74.3	N	
1	9/20/92	14	1		74.5	N	
1	9/26/92	1	1		77.4	Y	J 910126143-64

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	10/24/92	12	1		74.3	N	
1	10/24/92	13	1		74.5	N	
1	10/24/92	14	1		74.6	N	
1	10/28/92	1	1		79.8	Y	J 91012614366
1	10/28/92	2	1		79.7	N	
1	10/28/92	3	1		79.6	N	
1	10/28/92	4	1		79.2	N	
1	10/28/92	5	1		78.6	N	
1	10/28/92	6	1		77.5	N	
1	10/28/92	7	1		75.4	N	
1	10/28/92	8	1		74.3	N	
1	10/28/92	9	1		74.1	N	
1	10/28/92	10	1		74.1	N	
1	10/28/92	11	1		74.2	N	
1	10/28/92	12	1		74.4	N	
1	10/28/92	13	1		74.7	N	
1	10/28/92	14	1		74.7	N	
1	11/1/92	1	1		81.8	N	TMACS
1	11/1/92	2	1		82.2	N	
1	11/1/92	3	1		82.5	Y	
1	11/1/92	4	1		82.2	N	
1	11/1/92	5	1		82.2	N	
1	11/1/92	6	1		81.8	N	
1	11/1/92	7	1		80.4	N	
1	11/1/92	8	1		80.2	N	
1	11/1/92	9	1		76.6	N	
1	11/1/92	10	1		76.6	N	
1	11/1/92	11	1		77.1	N	
1	11/1/92	12	1		77.3	N	
1	11/1/92	13	1		78.2	N	
1	11/1/92	14	1		78.9	N	
1	11/8/92	1	1		81.8	N	TMACS
1	11/8/92	2	1		82.2	N	
1	11/8/92	3	1		82.5	Y	
1	11/8/92	4	1		82.5	N	
1	11/8/92	5	1		82.4	N	
1	11/8/92	6	1		81.6	N	
1	11/8/92	7	1		80.2	N	
1	11/8/92	8	1		79.7	N	
1	11/8/92	9	1		75.9	N	
1	11/8/92	10	1		76.1	N	
1	11/8/92	11	1		76.6	N	
1	11/8/92	12	1		76.8	N	
1	11/8/92	13	1		77.7	N	
1	11/8/92	14	1		78.2	N	
1	11/15/92	1	1		81.3	N	TMACS
1	11/15/92	2	1		81.8	N	
1	11/15/92	3	1		82.2	Y	
1	11/15/92	4	1		82	N	
1	11/15/92	5	1		81.8	N	
1	11/15/92	6	1		81.1	N	
1	11/15/92	7	1		79.5	N	
1	11/15/92	8	1		79.1	N	
1	11/15/92	9	1		75.5	N	
1	11/15/92	10	1		75.7	N	
1	11/15/92	11	1		76.1	N	
1	11/15/92	12	1		76.4	N	
1	11/15/92	13	1		77	N	
1	11/15/92	14	1		77.9	N	
1	11/20/92	1	1		78.4	Y	J 910126143-48
1	11/20/92	2	1		78.4	N	
1	11/20/92	3	1		78.4	N	
1	11/20/92	4	1		78	N	
1	11/20/92	5	1		77.5	N	
1	11/20/92	6	1		76	N	
1	11/20/92	7	1		73.4	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	9/26/92	2	1		77.4	N	
1	9/26/92	3	1		77.1	N	
1	9/26/92	4	1		76.5	N	
1	9/26/92	5	1		75.8	N	
1	9/26/92	6	1		74.9	N	
1	9/26/92	7	1		73.4	N	
1	9/26/92	8	1		72.6	N	
1	9/26/92	9	1		72.3	N	
1	9/26/92	10	1		72.4	N	
1	9/26/92	11	1		72.5	N	
1	9/26/92	12	1		72.6	N	
1	9/26/92	13	1		72.8	N	
1	9/26/92	14	1		73	N	
1	10/1/92	1	1		76.7	N	J 890423320-42
1	10/1/92	2	1		76.8	Y	
1	10/1/92	3	1		76.7	N	
1	10/1/92	4	1		76.5	N	
1	10/1/92	5	1		75.9	N	
1	10/1/92	6	1		74.9	N	
1	10/1/92	7	1		73.4	N	
1	10/1/92	8	1		72.5	N	
1	10/1/92	9	1		72.2	N	
1	10/1/92	10	1		72.3	N	
1	10/1/92	11	1		72.3	N	
1	10/1/92	12	1		72.4	N	
1	10/1/92	13	1		72.6	N	
1	10/1/92	14	1		72.7	N	
1	10/10/92	1	1		78.6	Y	J 910126143-48
1	10/10/92	2	1		78.6	N	
1	10/10/92	3	1		78.4	N	
1	10/10/92	4	1		78	N	
1	10/10/92	5	1		77.4	N	
1	10/10/92	6	1		76.3	N	
1	10/10/92	7	1		74.7	N	
1	10/10/92	8	1		73.8	N	
1	10/10/92	9	1		73.5	N	
1	10/10/92	10	1		73.6	N	
1	10/10/92	11	1		73.7	N	
1	10/10/92	12	1		73.8	N	
1	10/10/92	13	1		74.1	N	
1	10/10/92	14	1		74.3	N	
1	10/18/92	1	1		79.1	Y	J 910125143-40
1	10/18/92	2	1		78.9	N	
1	10/18/92	3	1		78.7	N	
1	10/18/92	4	1		78.3	N	
1	10/18/92	5	1		77.7	N	
1	10/18/92	6	1		76.6	N	
1	10/18/92	7	1		74.8	N	
1	10/18/92	8	1		73.8	N	
1	10/18/92	9	1		73.6	N	
1	10/18/92	10	1		73.6	N	
1	10/18/92	11	1		73.7	N	
1	10/18/92	12	1		73.9	N	
1	10/18/92	13	1		74.1	N	
1	10/18/92	14	1		74.3	N	
1	10/24/92	1	1		79.6	Y	
1	10/24/92	2	1		79.5	N	
1	10/24/92	3	1		79.2	N	
1	10/24/92	4	1		78.8	N	
1	10/24/92	5	1		78.1	N	
1	10/24/92	6	1		77.1	N	
1	10/24/92	7	1		75.3	N	
1	10/24/92	8	1		74.2	N	
1	10/24/92	9	1		74.1	N	
1	10/24/92	10	1		74.1	N	
1	10/24/92	11	1		74.2	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/20/92	8	1		71.9	N	
1	11/20/92	9	1		71.8	N	
1	11/20/92	10	1		71.8	N	
1	11/20/92	11	1		71.8	N	
1	11/20/92	12	1		71.9	N	
1	11/20/92	13	1		72	N	
1	11/20/92	14	1		72.2	N	
1	11/22/92	1	1		81.6	N	TMACS
1	11/22/92	2	1		82	N	
1	11/22/92	3	1		82.5	Y	
1	11/22/92	4	1		82.4	N	
1	11/22/92	5	1		82.5	N	
1	11/22/92	6	1		81.3	N	
1	11/22/92	7	1		79.3	N	
1	11/22/92	8	1		78.6	N	
1	11/22/92	9	1		75	N	
1	11/22/92	10	1		75.2	N	
1	11/22/92	11	1		75.7	N	
1	11/22/92	12	1		76.1	N	
1	11/22/92	13	1		76.6	N	
1	11/22/92	14	1		77.5	N	
1	11/29/92	1	1		81.3	N	TMACS
1	11/29/92	2	1		81.8	N	
1	11/29/92	3	1		82.4	Y	
1	11/29/92	4	1		82.2	N	
1	11/29/92	5	1		81.8	N	
1	11/29/92	6	1		80.9	N	
1	11/29/92	7	1		78.6	N	
1	11/29/92	8	1		77.9	N	
1	11/29/92	9	1		74.3	N	
1	11/29/92	10	1		74.4	N	
1	11/29/92	11	1		75	N	
1	11/29/92	12	1		75	N	
1	11/29/92	13	1		75.9	N	
1	11/29/92	14	1		76.6	N	
1	12/6/92	1	1		81.6	N	TMACS
1	12/6/92	2	1		81.8	N	
1	12/6/92	3	1		82.4	Y	
1	12/6/92	4	1		82.4	N	
1	12/6/92	5	1		82.2	N	
1	12/6/92	6	1		80.7	N	
1	12/6/92	7	1		78	N	
1	12/6/92	8	1		77.5	N	
1	12/6/92	9	1		73.4	N	
1	12/6/92	10	1		73.7	N	
1	12/6/92	11	1		74.3	N	
1	12/6/92	12	1		74.6	N	
1	12/6/92	13	1		75.2	N	
1	12/6/92	14	1		75.9	N	
1	12/13/92	1	1		81.6	N	TMACS
1	12/13/92	2	1		82.2	N	
1	12/13/92	3	1		82.7	Y	
1	12/13/92	4	1		82.5	N	
1	12/13/92	5	1		82.2	N	
1	12/13/92	6	1		80.7	N	
1	12/13/92	7	1		77.5	N	
1	12/13/92	8	1		76.6	N	
1	12/13/92	9	1		72.8	N	
1	12/13/92	10	1		73	N	
1	12/13/92	11	1		73.7	N	
1	12/13/92	12	1		74.1	N	
1	12/13/92	13	1		74.6	N	
1	12/13/92	14	1		75.3	N	
1	12/20/92	1	1		81.6	N	TMACS
1	12/20/92	2	1		82.4	N	
1	12/20/92	3	1		82.7	Y	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/20/92	4	1		82.7	N	
1	12/20/92	5	1		82.2	N	
1	12/20/92	6	1		80.6	N	
1	12/20/92	7	1		77.1	N	
1	12/20/92	8	1		76.1	N	
1	12/20/92	9	1		72.5	N	
1	12/20/92	10	1		72.6	N	
1	12/20/92	11	1		73.2	N	
1	12/20/92	12	1		73.5	N	
1	12/20/92	13	1		74.3	N	
1	12/20/92	14	1		74.6	N	
1	12/27/92	1	1		82	N	TMACS
1	12/27/92	2	1		82.5	N	
1	12/27/92	3	1		83.1	Y	
1	12/27/92	4	1		82.7	N	
1	12/27/92	5	1		82.2	N	
1	12/27/92	6	1		80.4	N	
1	12/27/92	7	1		76.8	N	
1	12/27/92	8	1		75.7	N	
1	12/27/92	9	1		72.1	N	
1	12/27/92	10	1		72.1	N	
1	12/27/92	11	1		72.8	N	
1	12/27/92	12	1		72.8	N	
1	12/27/92	13	1		73.5	N	
1	12/27/92	14	1		74.3	N	
1	1/3/93	1	1		81.8	N	TMACS
1	1/3/93	2	1		82.5	N	
1	1/3/93	3	1		82.9	Y	
1	1/3/93	4	1		82.9	N	
1	1/3/93	5	1		82	N	
1	1/3/93	6	1		80.4	N	
1	1/3/93	7	1		76.8	N	
1	1/3/93	8	1		75.3	N	
1	1/3/93	9	1		71.4	N	
1	1/3/93	10	1		71.4	N	
1	1/3/93	11	1		72.3	N	
1	1/3/93	12	1		72.5	N	
1	1/3/93	13	1		73.2	N	
1	1/3/93	14	1		73.9	N	
1	1/10/93	1	1		81.8	N	TMACS
1	1/10/93	2	1		82.4	N	
1	1/10/93	3	1		82.5	Y	
1	1/10/93	4	1		82.2	N	
1	1/10/93	5	1		81.6	N	
1	1/10/93	6	1		79.7	N	
1	1/10/93	7	1		75.5	N	
1	1/10/93	8	1		74.3	N	
1	1/10/93	9	1		70.3	N	
1	1/10/93	10	1		70.5	N	
1	1/10/93	11	1		71	N	
1	1/10/93	12	1		71.6	N	
1	1/10/93	13	1		71.9	N	
1	1/10/93	14	1		72.8	N	
1	1/17/93	1	1		82	N	TMACS
1	1/17/93	2	1		82.4	N	
1	1/17/93	3	1		82.5	Y	
1	1/17/93	4	1		82.4	N	
1	1/17/93	5	1		81.5	N	
1	1/17/93	6	1		79.5	N	
1	1/17/93	7	1		75.2	N	
1	1/17/93	8	1		73.5	N	
1	1/17/93	9	1		69.8	N	
1	1/17/93	10	1		69.9	N	
1	1/17/93	11	1		70.5	N	
1	1/17/93	12	1		70.8	N	
1	1/17/93	13	1		71.6	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/17/93	14	1		72.1	N	
1	1/24/93	1	1		81.8	N	TMACS
1	1/24/93	2	1		82.2	N	
1	1/24/93	3	1		82.5	Y	
1	1/24/93	4	1		81.8	N	
1	1/24/93	5	1		80.9	N	
1	1/24/93	6	1		78.8	N	
1	1/24/93	7	1		74.3	N	
1	1/24/93	8	1		72.5	N	
1	1/24/93	9	1		69	N	
1	1/24/93	10	1		69.4	N	
1	1/24/93	11	1		69.6	N	
1	1/24/93	12	1		69.9	N	
1	1/24/93	13	1		70.5	N	
1	1/24/93	14	1		71	N	
1	1/31/93	1	1		81.5	N	TMACS
1	1/31/93	2	1		82.04	N	
1	1/31/93	3	1		82.22	Y	
1	1/31/93	4	1		81.86	N	
1	1/31/93	5	1		80.78	N	
1	1/31/93	6	1		78.62	N	
1	1/31/93	7	1		74.12	N	
1	1/31/93	8	1		72.32	N	
1	1/31/93	9	1		68.54	N	
1	1/31/93	10	1		68.54	N	
1	1/31/93	11	1		68.9	N	
1	1/31/93	12	1		69.26	N	
1	1/31/93	13	1		69.8	N	
1	1/31/93	14	1		70.7	N	
1	2/8/93	1	1		82.22	N	TMACS
1	2/8/93	2	1		82.58	N	
1	2/8/93	3	1		82.94	Y	
1	2/8/93	4	1		82.4	N	
1	2/8/93	5	1		81.14	N	
1	2/8/93	6	1		78.62	N	
1	2/8/93	7	1		74.3	N	
1	2/8/93	8	1		72.5	N	
1	2/8/93	9	1		67.82	N	
1	2/8/93	10	1		68	N	
1	2/8/93	11	1		68.54	N	
1	2/8/93	12	1		68.72	N	
1	2/8/93	13	1		69.62	N	
1	2/15/93	1	1		82.2	N	TMACS
1	2/15/93	2	1		82.6	N	
1	2/15/93	3	1		82.9	Y	
1	2/15/93	4	1		82.4	N	
1	2/15/93	5	1		81	N	
1	2/15/93	6	1		78.4	N	
1	2/15/93	7	1		73.6	N	
1	2/15/93	8	1		72.14	N	
1	2/15/93	9	1		67.8	N	
1	2/15/93	10	1		67.8	N	
1	2/15/93	11	1		68	N	
1	2/15/93	12	1		68.5	N	
1	2/15/93	13	1		69.3	N	
1	2/15/93	14	1		70	N	
1	2/21/93	1	1		81.5	N	TMACS
1	2/21/93	2	1		81.86	N	
1	2/21/93	3	1		82.22	Y	
1	2/21/93	4	1		81.5	N	
1	2/21/93	5	1		80.24	N	
1	2/21/93	6	1		77.7	N	
1	2/21/93	7	1		72.32	N	
1	2/21/93	8	1		70.52	N	
1	2/21/93	9	1		66.92	N	
1	2/21/93	10	1		67.1	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	2/21/93	11	1		67.82	N	
1	2/21/93	12	1		68	N	
1	2/21/93	13	1		68.72	N	
1	2/21/93	14	1		69.26	N	
1	3/1/93	1	1		81.86	N	TMACS
1	3/1/93	2	1		82.22	Y	
1	3/1/93	3	1		82.22	N	
1	3/1/93	4	1		81.68	N	
1	3/1/93	5	1		80.24	N	
1	3/1/93	6	1		77.54	N	
1	3/1/93	7	1		72.86	N	
1	3/1/93	8	1		70.52	N	
1	3/1/93	9	1		66.74	N	
1	3/1/93	10	1		66.74	N	
1	3/1/93	11	1		67.46	N	
1	3/1/93	12	1		67.82	N	
1	3/1/93	13	1		68.36	N	
1	3/1/93	14	1		69.08	N	
1	3/8/93	1	1		81.86	N	TMACS
1	3/8/93	2	1		82.22	Y	
1	3/8/93	3	1		82.04	N	
1	3/8/93	4	1		81.14	N	
1	3/8/93	5	1		80.06	N	
1	3/8/93	6	1		77.18	N	
1	3/8/93	7	1		72.14	N	
1	3/8/93	8	1		70.16	N	
1	3/8/93	9	1		66.38	N	
1	3/8/93	10	1		66.56	N	
1	3/8/93	11	1		67.1	N	
1	3/8/93	12	1		67.46	N	
1	3/8/93	13	1		68	N	
1	3/8/93	14	1		68.72	N	
1	3/15/93	1	1		81.68	N	TMACS
1	3/15/93	2	1		81.86	Y	
1	3/15/93	3	1		81.86	N	
1	3/15/93	4	1		81.14	N	
1	3/15/93	5	1		79.7	N	
1	3/15/93	6	1		77	N	
1	3/15/93	7	1		72.14	N	
1	3/15/93	8	1		69.98	N	
1	3/15/93	9	1		66.2	N	
1	3/15/93	10	1		66.2	N	
1	3/15/93	11	1		66.56	N	
1	3/15/93	12	1		66.56	N	
1	3/15/93	13	1		67.64	N	
1	3/15/93	14	1		68	N	
1	3/22/93	1	1		81.86	N	TMACS
1	3/22/93	2	1		82.04	N	
1	3/22/93	3	1		82.22	Y	
1	3/22/93	4	1		81.5	N	
1	3/22/93	5	1		79.7	N	
1	3/22/93	6	1		77.18	N	
1	3/22/93	7	1		71.96	N	
1	3/22/93	8	1		70.52	N	
1	3/22/93	9	1		66.2	N	
1	3/22/93	10	1		66.38	N	
1	3/22/93	11	1		66.92	N	
1	3/22/93	12	1		67.28	N	
1	3/22/93	13	1		67.82	N	
1	3/22/93	14	1		68.72	N	
1	3/29/93	1	1		81.68	N	TMACS
1	3/29/93	2	1		81.68	N	
1	3/29/93	3	1		81.86	Y	
1	3/29/93	4	1		80.78	N	
1	3/29/93	5	1		79.34	N	
1	3/29/93	6	1		76.46	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/29/93	7	1		71.6	N	
1	3/29/93	8	1		69.8	N	
1	3/29/93	9	1		65.66	N	
1	3/29/93	10	1		65.84	N	
1	3/29/93	11	1		66.38	N	
1	3/29/93	12	1		66.56	N	
1	3/29/93	13	1		67.46	N	
1	3/29/93	14	1		68.36	N	
1	4/5/93	1	1		81.86	N	TMACS
1	4/5/93	2	1		82.22	Y	
1	4/5/93	3	1		81.86	N	
1	4/5/93	4	1		80.78	N	
1	4/5/93	5	1		79.16	N	
1	4/5/93	6	1		76.46	N	
1	4/5/93	7	1		71.6	N	
1	4/5/93	8	1		69.8	N	
1	4/5/93	9	1		66.2	N	
1	4/5/93	10	1		66.2	N	
1	4/5/93	11	1		66.92	N	
1	4/5/93	12	1		67.1	N	
1	4/5/93	13	1		67.82	N	
1	4/5/93	14	1		68.36	N	
1	4/12/93	1	1		81.86	Y	TMAC
1	4/12/93	2	1		81.86	N	
1	4/12/93	3	1		81.68	N	
1	4/12/93	4	1		80.42	N	
1	4/12/93	5	1		78.98	N	
1	4/12/93	6	1		76.28	N	
1	4/12/93	7	1		71.6	N	
1	4/12/93	8	1		69.8	N	
1	4/12/93	9	1		66.2	N	
1	4/12/93	10	1		66.38	N	
1	4/12/93	11	1		66.74	N	
1	4/12/93	12	1		67.1	N	
1	4/12/93	13	1		67.82	N	
1	4/12/93	14	1		68.54	N	
1	4/19/93	1	1		81.86	N	TMACS
1	4/19/93	2	1		82.04	Y	
1	4/19/93	3	1		81.86	N	
1	4/19/93	4	1		80.96	N	
1	4/19/93	5	1		79.16	N	
1	4/19/93	6	1		76.64	N	
1	4/19/93	7	1		71.78	N	
1	4/19/93	8	1		70.16	N	
1	4/19/93	9	1		65.84	N	
1	4/19/93	10	1		65.84	N	
1	4/19/93	11	1		66.38	N	
1	4/19/93	12	1		66.56	N	
1	4/19/93	13	1		67.28	N	
1	4/19/93	14	1		68	N	
1	4/25/93	1	1		81.32	N	TMACS
1	4/25/93	2	1		81.5	Y	
1	4/25/93	3	1		81.32	N	
1	4/25/93	4	1		80.06	N	
1	4/25/93	5	1		78.44	N	
1	4/25/93	6	1		75.74	N	
1	4/25/93	7	1		71.24	N	
1	4/25/93	8	1		69.8	N	
1	4/25/93	9	1		66.2	N	
1	4/25/93	10	1		66.2	N	
1	4/25/93	11	1		66.74	N	
1	4/25/93	12	1		66.74	N	
1	4/25/93	13	1		67.28	N	
1	4/25/93	14	1		68.36	N	
1	5/3/93	1	1		81.86	Y	TMACS
1	5/3/93	2	1		81.86	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	5/3/93	3	1		81.68	N	
1	5/3/93	4	1		80.24	N	
1	5/3/93	5	1		78.8	N	
1	5/3/93	6	1		76.1	N	
1	5/3/93	7	1		71.96	N	
1	5/3/93	8	1		70.7	N	
1	5/3/93	9	1		66.2	N	
1	5/3/93	10	1		66.2	N	
1	5/3/93	11	1		66.56	N	
1	5/3/93	12	1		66.92	N	
1	5/3/93	13	1		67.82	N	
1	5/3/93	14	1		68.36	N	
1	5/10/93	1	1		81.5	Y	TMACS
1	5/10/93	2	1		81.5	N	
1	5/10/93	3	1		81.14	N	
1	5/10/93	4	1		80.06	N	
1	5/10/93	5	1		78.62	N	
1	5/10/93	6	1		75.92	N	
1	5/10/93	7	1		71.96	N	
1	5/10/93	8	1		70.34	N	
1	5/10/93	9	1		66.38	N	
1	5/10/93	10	1		66.38	N	
1	5/10/93	11	1		66.92	N	
1	5/10/93	12	1		67.1	N	
1	5/10/93	13	1		67.82	N	
1	5/10/93	14	1		68.36	N	
1	5/17/93	1	1		81.5	Y	TMACS
1	5/17/93	2	1		81.32	N	
1	5/17/93	3	1		81.14	N	
1	5/17/93	4	1		80.06	N	
1	5/17/93	5	1		78.26	N	
1	5/17/93	6	1		75.92	N	
1	5/17/93	7	1		72.14	N	
1	5/17/93	8	1		70.88	N	
1	5/17/93	9	1		66.38	N	
1	5/17/93	10	1		66.38	N	
1	5/17/93	11	1		66.92	N	
1	5/17/93	12	1		67.1	N	
1	5/17/93	13	1		67.82	N	
1	5/17/93	14	1		68.72	N	
1	5/24/93	1	1		81.14	N	TMACS
1	5/24/93	2	1		81.32	Y	
1	5/24/93	3	1		81.14	N	
1	5/24/93	4	1		79.88	N	
1	5/24/93	5	1		78.08	N	
1	5/24/93	6	1		75.74	N	
1	5/24/93	7	1		72.14	N	
1	5/24/93	8	1		71.24	N	
1	5/24/93	9	1		67.46	N	
1	5/24/93	10	1		67.28	N	
1	5/24/93	11	1		67.82	N	
1	5/24/93	12	1		68	N	
1	5/24/93	13	1		68.72	N	
1	5/24/93	14	1		69.62	N	
1	5/31/93	1	1		81.14	Y	TMACS
1	5/31/93	2	1		81.14	N	
1	5/31/93	3	1		80.96	N	
1	5/31/93	4	1		79.7	N	
1	5/31/93	5	1		78.08	N	
1	5/31/93	6	1		75.74	N	
1	5/31/93	7	1		72.68	N	
1	5/31/93	8	1		71.6	N	
1	5/31/93	9	1		67.82	N	
1	5/31/93	10	1		67.82	N	
1	5/31/93	11	1		68	N	
1	5/31/93	12	1		68.54	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	5/31/93	13	1		69.26	N	
1	5/31/93	14	1		69.98	N	
1	6/7/93	1	1		81.68	Y	TMACS
1	6/7/93	2	1		81.68	N	
1	6/7/93	3	1		81.14	N	
1	6/7/93	4	1		80.06	N	
1	6/7/93	5	1		78.44	N	
1	6/7/93	6	1		76.1	N	
1	6/7/93	7	1		73.22	N	
1	6/7/93	8	1		72.32	N	
1	6/7/93	9	1		68	N	
1	6/7/93	10	1		68	N	
1	6/7/93	11	1		68.54	N	
1	6/7/93	12	1		68.72	N	
1	6/7/93	13	1		69.44	N	
1	6/7/93	14	1		70.16	N	
1	6/14/93	1	1		81.14	Y	TMACS
1	6/14/93	2	1		81.14	N	
1	6/14/93	3	1		80.78	N	
1	6/14/93	4	1		79.52	N	
1	6/14/93	5	1		78.08	N	
1	6/14/93	6	1		75.92	N	
1	6/14/93	7	1		73.04	N	
1	6/14/93	8	1		72.32	N	
1	6/14/93	9	1		68.36	N	
1	6/14/93	10	1		68.36	N	
1	6/14/93	11	1		68.72	N	
1	6/14/93	12	1		68.72	N	
1	6/14/93	13	1		69.8	N	
1	6/14/93	14	1		70.52	N	
1	6/21/93	1	1		81.32	Y	TMACS
1	6/21/93	2	1		80.96	N	
1	6/21/93	3	1		80.6	N	
1	6/21/93	4	1		79.7	N	
1	6/21/93	5	1		78.26	N	
1	6/21/93	6	1		76.46	N	
1	6/21/93	7	1		73.76	N	
1	6/21/93	8	1		73.22	N	
1	6/21/93	9	1		68.72	N	
1	6/21/93	10	1		68.54	N	
1	6/21/93	11	1		68.9	N	
1	6/21/93	12	1		68.26	N	
1	6/21/93	13	1		70.16	N	
1	6/21/93	14	1		70.88	N	
1	6/28/93	1	1		80.96	N	TMACS
1	6/28/93	2	1		81.14	Y	
1	6/28/93	3	1		80.78	N	
1	6/28/93	4	1		79.52	N	
1	6/28/93	5	1		78.44	N	
1	6/28/93	6	1		76.64	N	
1	6/28/93	7	1		73.94	N	
1	6/28/93	8	1		73.22	N	
1	6/28/93	9	1		69.26	N	
1	6/28/93	10	1		69.26	N	
1	6/28/93	11	1		69.62	N	
1	6/28/93	12	1		69.8	N	
1	6/28/93	13	1		70.52	N	
1	6/28/93	14	1		71.6	N	
1	7/5/93	1	1		80.78	Y	TMACS
1	7/5/93	2	1		80.6	N	
1	7/5/93	3	1		80.06	N	
1	7/5/93	4	1		79.34	N	
1	7/5/93	5	1		77.9	N	
1	7/5/93	6	1		76.28	N	
1	7/5/93	7	1		73.94	N	
1	7/5/93	8	1		73.76	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	7/5/93	9	1		69.98	N	
1	7/5/93	10	1		69.98	N	
1	7/5/93	11	1		70.52	N	
1	7/5/93	12	1		70.52	N	
1	7/5/93	13	1		71.42	N	
1	7/5/93	14	1		72.32	N	
1	7/12/93	1	1		80.78	Y	TMACS
1	7/12/93	2	1		80.6	N	
1	7/12/93	3	1		80.6	N	
1	7/12/93	4	1		79.52	N	
1	7/12/93	5	1		78.26	N	
1	7/12/93	6	1		76.82	N	
1	7/12/93	7	1		74.66	N	
1	7/12/93	8	1		74.3	N	
1	7/12/93	9	1		70.7	N	
1	7/12/93	10	1		70.52	N	
1	7/12/93	11	1		71.24	N	
1	7/12/93	12	1		71.24	N	
1	7/12/93	13	1		72.32	N	
1	7/12/93	14	1		72.86	N	
1	7/18/93	1	1		80.96	Y	TMACS
1	7/18/93	2	1		80.96	N	
1	7/18/93	3	1		80.24	N	
1	7/18/93	4	1		79.34	N	
1	7/18/93	5	1		78.44	N	
1	7/18/93	6	1		76.1	N	
1	7/18/93	7	1		75.02	N	
1	7/18/93	8	1		75.02	N	
1	7/18/93	9	1		70.88	N	
1	7/18/93	10	1		70.7	N	
1	7/18/93	11	1		71.24	N	
1	7/18/93	12	1		71.6	N	
1	7/18/93	13	1		72.32	N	
1	7/18/93	14	1		73.04	N	
1	7/26/93	1	1		80.96	Y	TMACS
1	7/26/93	2	1		80.6	N	
1	7/26/93	3	1		80.24	N	
1	7/26/93	4	1		79.34	N	
1	7/26/93	5	1		78.26	N	
1	7/26/93	6	1		76.82	N	
1	7/26/93	7	1		75.02	N	
1	7/26/93	8	1		74.84	N	
1	7/26/93	9	1		71.42	N	
1	7/26/93	10	1		71.24	N	
1	7/26/93	11	1		71.78	N	
1	7/26/93	12	1		71.96	N	
1	7/26/93	13	1		72.86	N	
1	7/26/93	14	1		73.58	N	
1	8/1/93	1	1		80.6	Y	TAMCS
1	8/1/93	2	1		80.6	N	
1	8/1/93	3	1		80.24	N	
1	8/1/93	4	1		79.34	N	
1	8/1/93	5	1		78.26	N	
1	8/1/93	6	1		76.82	N	
1	8/1/93	7	1		75.56	N	
1	8/1/93	8	1		75.38	N	
1	8/1/93	9	1		71.24	N	
1	8/1/93	10	1		71.24	N	
1	8/1/93	11	1		71.6	N	
1	8/1/93	12	1		71.96	N	
1	8/1/93	13	1		72.68	N	
1	8/1/93	14	1		73.58	N	
1	8/9/93	1	1		80.6	Y	TMACS
1	8/9/93	2	1		80.42	N	
1	8/9/93	3	1		80.24	N	
1	8/9/93	4	1		79.52	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/9/93	5	1		78.8	N	
1	8/9/93	6	1		77.9	N	
1	8/9/93	7	1		76.1	N	
1	8/9/93	8	1		76.28	N	
1	8/9/93	9	1		72.5	N	
1	8/9/93	10	1		72.14	N	
1	8/9/93	11	1		72.86	N	
1	8/9/93	12	1		73.04	N	
1	8/9/93	13	1		74.3	N	
1	8/9/93	14	1		74.84	N	
1	8/15/93	1	1		80.6	Y	tmacs
1	8/15/93	2	1		80.42	N	
1	8/15/93	3	1		80.06	N	
1	8/15/93	4	1		79.34	N	
1	8/15/93	5	1		78.62	N	
1	8/15/93	6	1		77.54	N	
1	8/15/93	7	1		76.1	N	
1	8/15/93	8	1		76.28	N	
1	8/15/93	9	1		72.5	N	
1	8/15/93	10	1		72.86	N	
1	8/15/93	11	1		72.86	N	
1	8/15/93	12	1		73.22	N	
1	8/15/93	13	1		74.12	N	
1	8/15/93	14	1		74.84	N	
1	8/23/93	1	1		80.6	Y	TMACS
1	8/23/93	2	1		80.6	N	
1	8/23/93	3	1		80.06	N	
1	8/23/93	4	1		79.52	N	
1	8/23/93	5	1		78.8	N	
1	8/23/93	6	1		77.54	N	
1	8/23/93	7	1		76.46	N	
1	8/23/93	8	1		76.46	N	
1	8/23/93	9	1		73.22	N	
1	8/23/93	10	1		72.68	N	
1	8/23/93	11	1		73.22	N	
1	8/23/93	12	1		73.76	N	
1	8/23/93	13	1		74.48	N	
1	8/23/93	14	1		75.2	N	
1	8/26/93	1	1		80.2	Y	J TYPE
1	8/26/93	2	1		80.1	N	
1	8/26/93	3	1		79.9	N	
1	8/26/93	4	1		79.2	N	
1	8/26/93	5	1		78.3	N	
1	8/26/93	6	1		77.4	N	
1	8/26/93	7	1		76.1	N	
1	8/26/93	8	1		75.9	N	
1	8/26/93	9	1		72.9	N	
1	8/26/93	10	1		72.9	N	
1	8/26/93	11	1		73.2	N	
1	8/26/93	12	1		73.4	N	
1	8/26/93	13	1		74.3	N	
1	8/26/93	14	1		75	N	
1	8/30/93	1	1		80.96	Y	TMACS
1	8/30/93	2	1		80.78	N	
1	8/30/93	3	1		80.6	N	
1	8/30/93	4	1		80.06	N	
1	8/30/93	5	1		79.34	N	
1	8/30/93	6	1		78.26	N	
1	8/30/93	7	1		77.18	N	
1	8/30/93	8	1		77.18	N	
1	8/30/93	9	1		73.22	N	
1	8/30/93	10	1		73.22	N	
1	8/30/93	11	1		73.76	N	
1	8/30/93	12	1		73.94	N	
1	8/30/93	13	1		74.66	N	
1	8/30/93	14	1		75.56	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	9/6/93	1	1		80.78	N	TMACS
1	9/6/93	2	1		80.96	Y	
1	9/6/93	3	1		80.6	N	
1	9/6/93	4	1		79.88	N	
1	9/6/93	5	1		79.16	N	
1	9/6/93	6	1		78.44	N	
1	9/6/93	7	1		77.54	N	
1	9/6/93	8	1		77.72	N	
1	9/6/93	9	1		73.58	N	
1	9/6/93	10	1		73.4	N	
1	9/6/93	11	1		73.76	N	
1	9/6/93	12	1		74.3	N	
1	9/6/93	13	1		75.02	N	
1	9/6/93	14	1		75.92	N	
1	9/12/93	1	1		80.96	Y	TMACS
1	9/12/93	2	1		80.96	N	
1	9/12/93	3	1		80.96	N	
1	9/12/93	4	1		80.24	N	
1	9/12/93	5	1		79.52	N	
1	9/12/93	6	1		79.16	N	
1	9/12/93	7	1		78.08	N	
1	9/12/93	8	1		78.26	N	
1	9/12/93	9	1		73.76	N	
1	9/12/93	10	1		73.76	N	
1	9/12/93	11	1		74.48	N	
1	9/12/93	12	1		74.66	N	
1	9/12/93	13	1		75.38	N	
1	9/12/93	14	1		76.46	N	
1	9/19/93	1	1		80.78	N	TMACS
1	9/19/93	2	1		80.78	N	
1	9/19/93	3	1		80.96	Y	
1	9/19/93	4	1		80.24	N	
1	9/19/93	5	1		79.52	N	
1	9/19/93	6	1		78.98	N	
1	9/19/93	7	1		78.26	N	
1	9/19/93	8	1		78.26	N	
1	9/19/93	9	1		73.94	N	
1	9/19/93	10	1		74.12	N	
1	9/19/93	11	1		74.66	N	
1	9/19/93	12	1		74.84	N	
1	9/19/93	13	1		75.56	N	
1	9/19/93	14	1		76.64	N	
1	9/26/93	1	1		80.24	N	TMACS
1	9/26/93	2	1		80.6	Y	
1	9/26/93	3	1		80.6	N	
1	9/26/93	4	1		80.24	N	
1	9/26/93	5	1		79.7	N	
1	9/26/93	6	1		79.16	N	
1	9/26/93	7	1		78.26	N	
1	9/26/93	8	1		78.26	N	
1	9/26/93	9	1		74.48	N	
1	9/26/93	10	1		74.66	N	
1	9/26/93	11	1		75.02	N	
1	9/26/93	12	1		75.38	N	
1	9/26/93	13	1		76.1	N	
1	9/26/93	14	1		77	N	
1	10/3/93	1	1		80.6	N	TMACS
1	10/3/93	2	1		80.78	N	
1	10/3/93	3	1		80.96	Y	
1	10/3/93	4	1		80.6	N	
1	10/3/93	5	1		80.06	N	
1	10/3/93	6	1		79.52	N	
1	10/3/93	7	1		78.44	N	
1	10/3/93	8	1		78.8	N	
1	10/3/93	9	1		74.66	N	
1	10/3/93	10	1		74.66	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	10/3/93	11	1		75.02	N	
1	10/3/93	12	1		75.38	N	
1	10/3/93	13	1		76.28	N	
1	10/3/93	14	1		77.18	N	
1	10/10/93	1	1		80.6	N	TMACS
1	10/10/93	2	1		80.6	N	
1	10/10/93	3	1		80.78	Y	
1	10/10/93	4	1		80.6	N	
1	10/10/93	5	1		80.24	N	
1	10/10/93	6	1		79.34	N	
1	10/10/93	7	1		78.62	N	
1	10/10/93	8	1		78.98	N	
1	10/10/93	9	1		75.02	N	
1	10/10/93	10	1		75.02	N	
1	10/10/93	11	1		75.52	N	
1	10/10/93	12	1		75.92	N	
1	10/10/93	13	1		76.46	N	
1	10/10/93	14	1		77.54	N	
1	10/19/93	1	1		81	Y	TMACS
1	10/19/93	2	1		81	N	
1	10/19/93	3	1		81	N	
1	10/19/93	4	1		80.6	N	
1	10/19/93	5	1		80.2	N	
1	10/19/93	6	1		79.5	N	
1	10/19/93	7	1		78.6	N	
1	10/19/93	8	1		78.4	N	
1	10/19/93	9	1		74.8	N	
1	10/19/93	10	1		74.7	N	
1	10/19/93	11	1		75.2	N	
1	10/19/93	12	1		75.6	N	
1	10/19/93	13	1		76.3	N	
1	10/19/93	14	1		77	N	
1	10/25/93	1	1		80.78	N	TMACS
1	10/25/93	2	1		80.96	N	
1	10/25/93	3	1		81.14	Y	
1	10/25/93	4	1		80.6	N	
1	10/25/93	5	1		80.42	N	
1	10/25/93	6	1		79.88	N	
1	10/25/93	7	1		78.62	N	
1	10/25/93	8	1		78.8	N	
1	10/25/93	9	1		74.48	N	
1	10/25/93	10	1		74.66	N	
1	10/25/93	11	1		75.2	N	
1	10/25/93	12	1		75.56	N	
1	10/25/93	13	1		76.28	N	
1	10/25/93	14	1		77.36	N	
1	11/1/93	1	1		80.6	N	TMACS
1	11/1/93	2	1		80.78	N	
1	11/1/93	3	1		80.96	Y	
1	11/1/93	4	1		80.6	N	
1	11/1/93	5	1		80.24	N	
1	11/1/93	6	1		79.7	N	
1	11/1/93	7	1		78.26	N	
1	11/1/93	8	1		74.84	N	
1	11/1/93	9	1		74.84	N	
1	11/1/93	10	1		74.66	N	
1	11/1/93	11	1		75.38	N	
1	11/1/93	12	1		75.74	N	
1	11/1/93	13	1		76.28	N	
1	11/1/93	14	1		77.36	N	
1	11/8/93	1	1		80.78	N	TMACS
1	11/8/93	2	1		81.14	N	
1	11/8/93	3	1		81.5	Y	
1	11/8/93	4	1		80.96	N	
1	11/8/93	5	1		80.78	N	
1	11/8/93	6	1		80.06	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-103							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/8/93	7	1		78.62	N	
1	11/8/93	8	1		78.44	N	
1	11/8/93	9	1		74.48	N	
1	11/8/93	10	1		74.66	N	
1	11/8/93	11	1		75.2	N	
1	11/8/93	12	1		75.56	N	
1	11/8/93	13	1		76.28	N	
1	11/8/93	14	1		77	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	11/12/73	1			218		
1	11/12/73	2			225		
1	11/12/73	3			218		
1	11/12/73	4			218		
1	11/12/73	5			207		
1	11/12/73	6			193		
1	11/12/73	7			160		
1	11/12/73	8			158		
1	11/12/73	9			158		
1	11/12/73	10			156		
1	11/12/73	11			133		
1	11/12/73	12			76		
1	11/21/73	1		92	197.6		raw data - assumed degree C
1	11/21/73	2		94	201.2		raw data - assumed degree C
1	11/21/73	3		94	201.2		raw data - assumed degree C
1	11/21/73	4		92	197.6		raw data - assumed degree C
1	11/21/73	5		88	190.4		raw data - assumed degree C
1	11/21/73	6		78	172.4		raw data - assumed degree C
1	11/21/73	7		72	161.6		raw data - assumed degree C
1	11/21/73	8		60	140		raw data - assumed degree C
1	11/21/73	9		60	140		raw data - assumed degree C
1	11/21/73	10		60	140		raw data - assumed degree C
1	11/21/73	11		45	113		raw data - assumed degree C
1	11/21/73	12		16	60.8		raw data - assumed degree C
1	12/10/73	1		94	201.2		raw data - assumed degree C
1	12/10/73	2		95	203		raw data - assumed degree C
1	12/10/73	3		97	206.6		raw data - assumed degree C
1	12/10/73	4		96	204.8		raw data - assumed degree C
1	12/10/73	5		88	190.4		raw data - assumed degree C
1	12/10/73	6		81	177.8		raw data - assumed degree C
1	12/10/73	7		73	163.4		raw data - assumed degree C
1	12/10/73	8		64	147.2		raw data - assumed degree C
1	12/10/73	9		64	147.2		raw data - assumed degree C
1	12/10/73	10		64	147.2		raw data - assumed degree C
1	12/10/73	11		49	120.2		raw data - assumed degree C
1	12/10/73	12		20	68		raw data - assumed degree C
1	12/17/73	1		105	221		raw data - assumed degree C
1	12/17/73	2		108	226.4		raw data - assumed degree C
1	12/17/73	3		108	226.4		raw data - assumed degree C
1	12/17/73	4		104	219.2		raw data - assumed degree C
1	12/17/73	5		98	208.4		raw data - assumed degree C
1	12/17/73	6		92	197.6		raw data - assumed degree C
1	12/17/73	7		80	176		raw data - assumed degree C
1	12/17/73	8		73	163.4		raw data - assumed degree C
1	12/17/73	9		73	163.4		raw data - assumed degree C
1	12/17/73	10		73	163.4		raw data - assumed degree C
1	12/17/73	11		60	140		raw data - assumed degree C
1	12/17/73	12		31	87.8		raw data - assumed degree C
1	12/20/73	1		103	217.4		raw data - assumed degree C
1	12/20/73	2		105	221		raw data - assumed degree C
1	12/20/73	3		105	221		raw data - assumed degree C
1	12/20/73	4		104	219.2		raw data - assumed degree C
1	12/20/73	5		96	204.8		raw data - assumed degree C
1	12/20/73	6		90	194		raw data - assumed degree C
1	12/20/73	7		80	176		raw data - assumed degree C
1	12/20/73	8		72	161.6		raw data - assumed degree C
1	12/20/73	9		72	161.6		raw data - assumed degree C
1	12/20/73	10		72	161.6		raw data - assumed degree C
1	12/20/73	11		57	134.6		raw data - assumed degree C
1	12/20/73	12		29	84.2		raw data - assumed degree C
1	12/20/73	15		90	194		raw data - assumed degree C
1	8/5/74	1	1	93	199.4	Y	degree C/TWINS confirm
1	8/5/74	2	1	88	190.4	N	degree C/TWINS confirm
1	8/5/74	3	1	88	190.4	N	degree C/TWINS confirm
1	8/5/74	4	1	79	174.2	N	degree C/TWINS confirm

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	8/5/74	5	1	74	165.2	N	degree C/TWINS confirm
1	8/5/74	6	1	72	161.6	N	degree C/TWINS confirm
1	8/5/74	7	1	70	158	N	degree C/TWINS confirm
1	8/5/74	8	1	64	147.2	N	degree C/TWINS confirm
1	8/5/74	9	1	54	129.2	N	degree C/TWINS confirm
1	8/5/74	10	1	52	125.6	N	degree C/TWINS confirm
1	8/5/74	11	1	50	122	N	degree C/TWINS confirm
1	8/5/74	12	1	46	114.8	N	degree C/TWINS confirm
1	9/12/74	1	1	106	222.8	N	degree C/TWINS confirm
1	9/12/74	2	1	109	228.2	Y	degree C/TWINS confirm
1	9/12/74	3	1	104	219.2	N	degree C/TWINS confirm
1	9/12/74	4	1	100	212	N	degree C/TWINS confirm
1	9/12/74	5	1	92	197.6	N	degree C/TWINS confirm
1	9/12/74	6	1	84	183.2	N	degree C/TWINS confirm
1	9/12/74	7	1	75	167	N	degree C/TWINS confirm
1	9/12/74	8	1	71	159.8	N	degree C/TWINS confirm
1	9/12/74	9	1	71	159.8	N	degree C/TWINS confirm
1	9/12/74	10	1	68	154.4	N	degree C/TWINS confirm
1	9/12/74	11	1	58	136.4	N	degree C/TWINS confirm
1	9/12/74	12	1	47	116.6	N	degree C/TWINS confirm
1	10/8/74	1	1	96	204.8	N	degree C/TWINS confirm
1	10/8/74	2	1	98	208.4	Y	degree C/TWINS confirm
1	10/8/74	3	1	94	201.2	N	degree C/TWINS confirm
1	10/8/74	4	1	90	194	N	degree C/TWINS confirm
1	10/8/74	5	1	83	181.4	N	degree C/TWINS confirm
1	10/8/74	6	1	75	167	N	degree C/TWINS confirm
1	10/8/74	7	1	66	150.8	N	degree C/TWINS confirm
1	10/8/74	8	1	64	147.2	N	degree C/TWINS confirm
1	10/8/74	9	1	64	147.2	N	degree C/TWINS confirm
1	10/8/74	10	1	60	140	N	degree C/TWINS confirm
1	10/8/74	11	1	51	123.8	N	degree C/TWINS confirm
1	10/8/74	12	1	39	102.2	N	degree C/TWINS confirm
1	10/29/74	1	1	92	197.6	N	degree C/TWINS confirm
1	10/29/74	2	1	95	203	Y	degree C/TWINS confirm
1	10/29/74	3	1	91	195.8	N	degree C/TWINS confirm
1	10/29/74	4	1	86	186.8	N	degree C/TWINS confirm
1	10/29/74	5	1	79	174.2	N	degree C/TWINS confirm
1	10/29/74	6	1	72	161.6	N	degree C/TWINS confirm
1	10/29/74	7	1	63	145.4	N	degree C/TWINS confirm
1	10/29/74	8	1	60	140	N	degree C/TWINS confirm
1	10/29/74	9	1	60	140	N	degree C/TWINS confirm
1	10/29/74	10	1	56	132.8	N	degree C/TWINS confirm
1	10/29/74	11	1	47	116.6	N	degree C/TWINS confirm
1	10/29/74	12	1	36	96.8	N	degree C/TWINS confirm
1	11/12/74	4	1	93.33	199.994	Y	degree C/TWINS confirm
1	11/12/74	5	1	69.44	156.992	N	degree C/TWINS confirm
1	11/12/74	6	1	75	167	N	degree C/TWINS confirm
1	11/26/74	1	1	95	203	N	degree C/TWINS confirm
1	11/26/74	2	1	96	204.8	Y	degree C/TWINS confirm
1	11/26/74	3	1	92	197.6	N	degree C/TWINS confirm
1	11/26/74	4	1	86	186.8	N	degree C/TWINS confirm
1	11/26/74	5	1	82	179.6	N	degree C/TWINS confirm
1	11/26/74	6	1	72	161.6	N	degree C/TWINS confirm
1	11/26/74	7	1	64	147.2	N	degree C/TWINS confirm
1	11/26/74	8	1	62	143.6	N	degree C/TWINS confirm
1	11/26/74	9	1	62	143.6	N	degree C/TWINS confirm
1	11/26/74	10	1	58	136.4	N	degree C/TWINS confirm
1	11/26/74	11	1	46	114.8	N	degree C/TWINS confirm
1	11/26/74	12	1	26	78.8	N	degree C/TWINS confirm
1	12/11/74	1	1	90.56	195.008	N	degree C/TWINS confirm
1	12/11/74	2	1	92.22	197.996	Y	degree C/TWINS confirm
1	12/11/74	3	1	88.89	192.002	N	degree C/TWINS confirm
1	12/11/74	4	1	84.44	183.992	N	degree C/TWINS confirm
1	12/11/74	5	1	76.67	170.006	N	degree C/TWINS confirm
1	12/11/74	6	1	68.89	156.002	N	degree C/TWINS confirm

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	12/11/74	7	1	60	140	N	degree C/TWINS confirm
1	12/11/74	8	1	57.22	134.996	N	degree C/TWINS confirm
1	12/11/74	9	1	57.22	134.996	N	degree C/TWINS confirm
1	12/11/74	10	1	52.22	125.996	N	degree C/TWINS confirm
1	12/11/74	11	1	39.44	102.992	N	degree C/TWINS confirm
1	12/11/74	12	1	21.67	71.006	N	degree C/TWINS confirm
1	12/17/74	1	1	82.22	179.996	N	degree C/TWINS confirm
1	12/17/74	2	1	94.44	201.992	Y	degree C/TWINS confirm
1	12/17/74	3	1	91.56	196.808	N	degree C/TWINS confirm
1	12/17/74	4	1	87.22	188.996	N	degree C/TWINS confirm
1	12/17/74	5	1	79.44	174.992	N	degree C/TWINS confirm
1	12/17/74	6	1	71.11	159.998	N	degree C/TWINS confirm
1	12/17/74	7	1	63.33	145.994	N	degree C/TWINS confirm
1	12/17/74	8	1	61.11	141.998	N	degree C/TWINS confirm
1	12/17/74	9	1	60	140	N	degree C/TWINS confirm
1	12/17/74	10	1	55.56	132.008	N	degree C/TWINS confirm
1	12/17/74	11	1	42.22	107.996	N	degree C/TWINS confirm
1	12/17/74	12	1	24.44	75.992	N	degree C/TWINS confirm
1	12/31/74	1	1	93.33	199.994	N	degree C/TWINS confirm
1	12/31/74	2	1	94.56	202.208	Y	degree C/TWINS confirm
1	12/31/74	3	1	91.11	195.998	N	degree C/TWINS confirm
1	12/31/74	4	1	86.67	188.006	N	degree C/TWINS confirm
1	12/31/74	5	1	79.44	174.992	N	degree C/TWINS confirm
1	12/31/74	6	1	71.11	159.998	N	degree C/TWINS confirm
1	12/31/74	7	1	62.78	145.004	N	degree C/TWINS confirm
1	12/31/74	8	1	60	140	N	degree C/TWINS confirm
1	12/31/74	9	1	59.44	138.992	N	degree C/TWINS confirm
1	12/31/74	10	1	54.44	129.992	N	degree C/TWINS confirm
1	12/31/74	11	1	37.78	100.004	N	degree C/TWINS confirm
1	12/31/74	12	1	22.78	73.004	N	degree C/TWINS confirm
1	1/8/75	1	1	83.33	181.994	N	degree C/TWINS confirm
1	1/8/75	2	1	85.56	186.008	N	degree C/TWINS confirm
1	1/8/75	3	1	87.78	190.004	Y	degree C/TWINS confirm
1	1/8/75	4	1	83.89	183.002	N	degree C/TWINS confirm
1	1/8/75	5	1	76.67	170.006	N	degree C/TWINS confirm
1	1/8/75	6	1	69.44	156.992	N	degree C/TWINS confirm
1	1/8/75	7	1	61.11	141.998	N	degree C/TWINS confirm
1	1/8/75	8	1	58.89	138.002	N	degree C/TWINS confirm
1	1/8/75	9	1	57.78	136.004	N	degree C/TWINS confirm
1	1/8/75	10	1	52.78	127.004	N	degree C/TWINS confirm
1	1/8/75	11	1	40	104	N	degree C/TWINS confirm
1	1/8/75	12	1	22.78	73.004	N	degree C/TWINS confirm
1	1/21/75	1	1	113	235.4	N	degree C/TWINS confirm
1	1/21/75	2	1	114	237.2	Y	degree C/TWINS confirm
1	1/21/75	3	1	110	230	N	degree C/TWINS confirm
1	1/21/75	4	1	106	222.8	N	degree C/TWINS confirm
1	1/21/75	5	1	98	208.4	N	degree C/TWINS confirm
1	1/21/75	6	1	99	210.2	N	degree C/TWINS confirm
1	1/21/75	7	1	78	172.4	N	degree C/TWINS confirm
1	1/21/75	8	1	75	167	N	degree C/TWINS confirm
1	1/21/75	9	1	74	165.2	N	degree C/TWINS confirm
1	1/21/75	10	1	67	152.6	N	degree C/TWINS confirm
1	1/21/75	11	1	51	123.8	N	degree C/TWINS confirm
1	1/21/75	12	1	29	84.2	N	degree C/TWINS confirm
1	1/28/75	1	1	91	195.8	N	degree C/TWINS confirm
1	1/28/75	2	1	92	197.6	Y	degree C/TWINS confirm
1	1/28/75	3	1	90	194	N	degree C/TWINS confirm
1	1/28/75	4	1	86	186.8	N	degree C/TWINS confirm
1	1/28/75	5	1	78	172.4	N	degree C/TWINS confirm
1	1/28/75	6	1	71	159.8	N	degree C/TWINS confirm
1	1/28/75	7	1	62	143.6	N	degree C/TWINS confirm
1	1/28/75	8	1	59	138.2	N	degree C/TWINS confirm
1	1/28/75	9	1	58	136.4	N	degree C/TWINS confirm
1	1/28/75	10	1	53	127.4	N	degree C/TWINS confirm
1	1/28/75	11	1	40	104	N	degree C/TWINS confirm

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	1/28/75	12	1	20	68	N	degree C/TWINS confirm
1	2/27/75	1	1	94	201.2	N	degree C/TWINS confirm
1	2/27/75	2	1	94	201.2	Y	degree C/TWINS confirm
1	2/27/75	3	1	92	197.6	N	degree C/TWINS confirm
1	2/27/75	4	1	88	190.4	N	degree C/TWINS confirm
1	2/27/75	5	1	81	177.8	N	degree C/TWINS confirm
1	2/27/75	6	1	74	165.2	N	degree C/TWINS confirm
1	2/27/75	7	1	64	147.2	N	degree C/TWINS confirm
1	2/27/75	8	1	61	141.8	N	degree C/TWINS confirm
1	2/27/75	9	1	60	140	N	degree C/TWINS confirm
1	2/27/75	10	1	54	129.2	N	degree C/TWINS confirm
1	2/27/75	11	1	40	104	N	degree C/TWINS confirm
1	2/27/75	12	1	24	75.2	N	degree C/TWINS confirm
1	3/18/75	1	1	92	197.6	N	degree C/TWINS confirm
1	3/18/75	2	1	94	201.2	Y	degree C/TWINS confirm
1	3/18/75	3	1	90	194	N	degree C/TWINS confirm
1	3/18/75	4	1	86	186.8	N	degree C/TWINS confirm
1	3/18/75	5	1	78	172.4	N	degree C/TWINS confirm
1	3/18/75	6	1	70	158	N	degree C/TWINS confirm
1	3/18/75	7	1	62	143.6	N	degree C/TWINS confirm
1	3/18/75	8	1	60	140	N	degree C/TWINS confirm
1	3/18/75	9	1	58	136.4	N	degree C/TWINS confirm
1	3/18/75	10	1	52	125.6	N	degree C/TWINS confirm
1	3/18/75	11	1	40	104	N	degree C/TWINS confirm
1	3/18/75	12	1	22	71.6	N	degree C/TWINS confirm
1	4/1/75	4	1	83.33	181.994	N	degree C/TWINS confirm
1	4/1/75	5	1	77.78	172.004	N	degree C/TWINS confirm
1	4/1/75	6	1	68.89	156.002	N	degree C/TWINS confirm
1	4/1/75	7	1	61.11	141.998	N	degree C/TWINS confirm
1	4/1/75	8	1	57.22	134.996	N	degree C/TWINS confirm
1	4/1/75	9	1	56.11	132.998	N	degree C/TWINS confirm
1	4/1/75	10	1	50	122	N	degree C/TWINS confirm
1	4/1/75	11	1	36.11	96.998	N	degree C/TWINS confirm
1	4/1/75	12	1	21.11	69.998	N	degree C/TWINS confirm
1	4/8/75	1	1	107	224.6	N	degree C/TWINS confirm
1	4/8/75	2	1	108	226.4	Y	degree C/TWINS confirm
1	4/8/75	3	1	106	222.8	N	degree C/TWINS confirm
1	4/8/75	4	1	100	212	N	degree C/TWINS confirm
1	4/8/75	5	1	92	197.6	N	degree C/TWINS confirm
1	4/8/75	6	1	81	177.8	N	degree C/TWINS confirm
1	4/8/75	7	1	72	161.6	N	degree C/TWINS confirm
1	4/8/75	8	1	68	154.4	N	degree C/TWINS confirm
1	4/8/75	9	1	66	150.8	N	degree C/TWINS confirm
1	4/8/75	10	1	60	140	N	degree C/TWINS confirm
1	4/8/75	11	1	44	111.2	N	degree C/TWINS confirm
1	4/8/75	12	1	23	73.4	N	degree C/TWINS confirm
1	4/22/75	1	1	90	194	N	degree C/TWINS confirm
1	4/22/75	2	1	90	194	Y	degree C/TWINS confirm
1	4/22/75	3	1	88	190.4	N	degree C/TWINS confirm
1	4/22/75	4	1	82	179.6	N	degree C/TWINS confirm
1	4/22/75	5	1	76	168.8	N	degree C/TWINS confirm
1	4/22/75	6	1	68	154.4	N	degree C/TWINS confirm
1	4/22/75	7	1	60	140	N	degree C/TWINS confirm
1	4/22/75	8	1	55	131	N	degree C/TWINS confirm
1	4/22/75	9	1	55	131	N	degree C/TWINS confirm
1	4/22/75	10	1	50	122	N	degree C/TWINS confirm
1	4/22/75	11	1	36	96.8	N	degree C/TWINS confirm
1	4/22/75	12	1	22	71.6	N	degree C/TWINS confirm
1	4/29/75	1	1	87	188.6	N	degree C/TWINS confirm
1	4/29/75	2	1	88	190.4	Y	degree C/TWINS confirm
1	4/29/75	3	1	86	186.8	N	degree C/TWINS confirm
1	4/29/75	4	1	82	179.6	N	degree C/TWINS confirm
1	4/29/75	5	1	72	161.6	N	degree C/TWINS confirm
1	4/29/75	6	1	66	150.8	N	degree C/TWINS confirm
1	4/29/75	7	1	58	136.4	N	degree C/TWINS confirm

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	4/29/75	8	1	54	129.2	N	degree C/TWINS confirm
1	4/29/75	9	1	52	125.6	N	degree C/TWINS confirm
1	4/29/75	10	1	48	118.4	N	degree C/TWINS confirm
1	4/29/75	11	1	36	96.8	N	degree C/TWINS confirm
1	4/29/75	12	1	21	69.8	N	degree C/TWINS confirm
1	5/20/75	1	1	90	194	N	degree C/TWINS confirm
1	5/20/75	2	1	92	197.6	Y	degree C/TWINS confirm
1	5/20/75	3	1	88	190.4	N	degree C/TWINS confirm
1	5/20/75	4	1	84	183.2	N	degree C/TWINS confirm
1	5/20/75	5	1	76	168.8	N	degree C/TWINS confirm
1	5/20/75	6	1	68	154.4	N	degree C/TWINS confirm
1	5/20/75	7	1	60	140	N	degree C/TWINS confirm
1	5/20/75	8	1	58	136.4	N	degree C/TWINS confirm
1	5/20/75	9	1	56	132.8	N	degree C/TWINS confirm
1	5/20/75	10	1	52	125.6	N	degree C/TWINS confirm
1	5/20/75	11	1	42	107.6	N	degree C/TWINS confirm
1	5/20/75	12	1	28	82.4	N	degree C/TWINS confirm
1	6/17/75	1	1		192	N	
1	6/17/75	2	1		194	Y	
1	6/17/75	3	1		188	N	
1	6/17/75	4	1		180	N	
1	6/17/75	5	1		167	N	
1	6/17/75	6	1		153	N	
1	6/17/75	7	1		138	N	
1	6/17/75	8	1		132	N	
1	6/17/75	9	1		130	N	
1	6/17/75	10	1		122	N	
1	6/17/75	11	1		106	N	
1	6/17/75	12	1		86	N	
1	7/28/75	1	1		193	N	
1	7/28/75	2	1		195	Y	
1	7/28/75	3	1		189	N	
1	7/28/75	4	1		181	N	
1	7/28/75	5	1		167	N	
1	7/28/75	6	1		154	N	
1	7/28/75	7	1		140	N	
1	7/28/75	8	1		134	N	
1	7/28/75	9	1		133	N	
1	7/28/75	10	1		126	N	
1	7/28/75	11	1		112	N	
1	7/28/75	12	1		97	N	
1	8/26/75	1	1		197	N	
1	8/26/75	2	1		199	Y	
1	8/26/75	3	1		193	N	
1	8/26/75	4	1		184	N	
1	8/26/75	5	1		171	N	
1	8/26/75	6	1		157	N	
1	8/26/75	7	1		143	N	
1	8/26/75	8	1		138	N	
1	8/26/75	9	1		136	N	
1	8/26/75	10	1		91	N	
1	8/26/75	11	1		108	N	
1	8/26/75	12	1		85	N	
1	11/21/75	1	1		194	N	
1	11/21/75	2	1		196	Y	
1	11/21/75	3	1		189	N	
1	11/21/75	4	1		181	N	
1	11/21/75	5	1		169	N	
1	11/21/75	6	1		156	N	
1	11/21/75	7	1		143	N	
1	11/21/75	8	1		138	N	
1	11/21/75	9	1		135	N	
1	11/21/75	10	1		128	N	
1	11/21/75	11	1		110	N	
1	11/21/75	12	1		82	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	12/22/75	1	1		193	N	
1	12/22/75	2	1		196	Y	
1	12/22/75	3	1		189	N	
1	12/22/75	4	1		182	N	
1	12/22/75	5	1		169	N	
1	12/22/75	6	1		156	N	
1	12/22/75	7	1		143	N	
1	12/22/75	8	1		137	N	
1	12/22/75	9	1		135	N	
1	12/22/75	10	1		126	N	
1	12/22/75	11	1		106	N	
1	3/4/76	1	1		189	N	
1	3/4/76	2	1		190	Y	
1	3/4/76	3	1		184	N	
1	3/4/76	4	1		176	N	
1	3/4/76	5	1		162	N	
1	3/4/76	6	1		150	N	
1	3/4/76	7	1		136	N	
1	3/4/76	8	1		130	N	
1	3/4/76	9	1		126	N	
1	3/4/76	10	1		116	N	
1	3/4/76	11	1		97	N	
1	3/4/76	12	1		90	N	
1	5/7/76	1	1		182	N	
1	5/7/76	2	1		183	Y	
1	5/7/76	3	1		176	N	
1	5/7/76	4	1		167	N	
1	5/7/76	5	1		153	N	
1	5/7/76	6	1		140	N	
1	5/7/76	7	1		126	N	
1	5/7/76	8	1		120	N	
1	5/7/76	9	1		117	N	
1	5/7/76	10	1		109	N	
1	5/7/76	11	1		94	N	
1	5/7/76	12	1		75	N	
1	6/9/76	1	1		191	N	
1	6/9/76	2	1		192	Y	
1	6/9/76	3	1		185	N	
1	6/9/76	4	1		176	N	
1	6/9/76	5	1		163	N	
1	6/9/76	6	1		150	N	
1	6/9/76	7	1		136	N	
1	6/9/76	8	1		130	N	
1	6/9/76	9	1		126	N	
1	6/9/76	10	1		120	N	
1	6/9/76	11	1		106	N	
1	6/9/76	12	1		88	N	
1	7/7/76	1	1		180	N	
1	7/7/76	2	1		181	Y	
1	7/7/76	3	1		173	N	
1	7/7/76	4	1		164	N	
1	7/7/76	5	1		151	N	
1	7/7/76	6	1		138	N	
1	7/7/76	7	1		125	N	
1	7/7/76	8	1		118	N	
1	7/7/76	9	1		116	N	
1	7/7/76	10	1		110	N	
1	7/7/76	11	1		98	N	
1	7/7/76	12	1		84	N	
1	8/14/76	1	1		174	N	
1	8/14/76	2	1		174	Y	
1	8/14/76	3	1		167	N	
1	8/14/76	4	1		158	N	
1	8/14/76	5	1		145	N	
1	8/14/76	6	1		133	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	8/14/76	7	1		120	N	
1	8/14/76	8	1		114	N	
1	8/14/76	9	1		112	N	
1	8/14/76	10	1		106	N	
1	8/14/76	11	1		96	N	
1	8/14/76	12	1		82	N	
1	8/28/76	1	1		179	N	
1	8/28/76	2	1		180	Y	
1	8/28/76	3	1		172	N	
1	8/28/76	4	1		163	N	
1	8/28/76	5	1		150	N	
1	8/28/76	6	1		138	N	
1	8/28/76	7	1		125	N	
1	8/28/76	8	1		119	N	
1	8/28/76	9	1		118	N	
1	8/28/76	10	1		112	N	
1	8/28/76	11	1		102	N	
1	8/28/76	12	1		87	N	
1	9/13/76	1	1		180	N	
1	9/13/76	2	1		181	Y	
1	9/13/76	3	1		173	N	
1	9/13/76	4	1		164	N	
1	9/13/76	5	1		150	N	
1	9/13/76	6	1		138	N	
1	9/13/76	7	1		126	N	
1	9/13/76	8	1		120	N	
1	9/13/76	9	1		118	N	
1	9/13/76	10	1		112	N	
1	9/13/76	11	1		102	N	
1	9/13/76	12	1		86	N	
1	11/7/76	1	1		179	N	
1	11/7/76	2	1		180	Y	
1	11/7/76	3	1		172	N	
1	11/7/76	4	1		164	N	
1	11/7/76	5	1		152	N	
1	11/7/76	6	1		140	N	
1	11/7/76	7	1		107	N	
1	11/7/76	8	1		121	N	
1	11/7/76	9	1		121	N	
1	11/7/76	10	1		116	N	
1	11/7/76	11	1		103	N	
1	11/7/76	12	1		79	N	
1	12/9/76	1	1		200	N	
1	12/9/76	2	1		200	Y	
1	12/9/76	3	1		193	N	
1	12/9/76	4	1		185	N	
1	12/9/76	5	1		172	N	
1	12/9/76	6	1		160	N	
1	12/9/76	7	1		148	N	
1	12/9/76	8	1		142	N	
1	12/9/76	9	1		140	N	
1	12/9/76	10	1		127	N	
1	12/9/76	11	1		103	N	
1	12/9/76	12	1		95	N	
1	1/3/77	1	1		191	Y	
1	1/3/77	2	1		185	N	
1	1/3/77	3	1		176	N	
1	1/3/77	4	1		164	N	
1	1/3/77	5	1		151	N	
1	1/3/77	6	1		139	N	
1	1/3/77	7	1		133	N	
1	1/3/77	8	1		131	N	
1	1/3/77	9	1		118	N	
1	1/3/77	10	1		94	N	
1	1/3/77	11	1		84	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104 THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	1/3/77	12	1			N	
1	2/26/77	1	1		176	Y	
1	2/26/77	2	1		176	N	
1	2/26/77	3	1		169	N	
1	2/26/77	4	1		160	N	
1	2/26/77	5	1		148	N	
1	2/26/77	6	1		137	N	
1	2/26/77	7	1		125	N	
1	2/26/77	8	1		119	N	
1	2/26/77	9	1		114	N	
1	2/26/77	10	1		94	N	
1	2/26/77	11	1		75	N	
1	2/26/77	12	1		74	N	
1	3/28/77	1	1		178	N	
1	3/28/77	2	1		179	Y	
1	3/28/77	3	1		172	N	
1	3/28/77	4	1		163	N	
1	3/28/77	5	1		152	N	
1	3/28/77	6	1		140	N	
1	3/28/77	7	1		127	N	
1	3/28/77	8	1		124	N	
1	3/28/77	9	1		117	N	
1	3/28/77	10	1		99	N	
1	3/28/77	11	1		81	N	
1	3/28/77	12	1		80	N	
1	4/27/77	1	1		176	N	
1	4/27/77	2	1		177	Y	
1	4/27/77	3	1		170	N	
1	4/27/77	4	1		161	N	
1	4/27/77	5	1		149	N	
1	4/27/77	6	1		137	N	
1	4/27/77	7	1		126	N	
1	4/27/77	8	1		120	N	
1	4/27/77	9	1		115	N	
1	4/27/77	10	1		98	N	
1	4/27/77	11	1		83	N	
1	4/27/77	12	1		82	N	
1	6/30/77	1	1		176	N	
1	6/30/77	2	1		176	Y	
1	6/30/77	3	1		169	N	
1	6/30/77	4	1		161	N	
1	6/30/77	5	1		150	N	
1	6/30/77	6	1		139	N	
1	6/30/77	7	1		128	N	
1	6/30/77	8	1		163	N	
1	6/30/77	9	1		118	N	
1	6/30/77	10	1		102	N	
1	6/30/77	11	1		85	N	
1	6/30/77	12	1		84	N	
1	8/15/77	1	1		167	Y	
1	8/15/77	2	1		167	N	
1	8/15/77	3	1		160	N	
1	8/15/77	4	1		152	N	
1	8/15/77	5	1		141	N	
1	8/15/77	6	1		130	N	
1	8/15/77	7	1		120	N	
1	8/15/77	8	1		114	N	
1	8/15/77	9	1		109	N	
1	8/15/77	10	1		96	N	
1	8/15/77	11	1		83	N	
1	8/15/77	12	1		82	N	
1	9/12/77	1	1		163	N	
1	9/12/77	2	1		164	Y	
1	9/12/77	3	1		154	N	
1	9/12/77	4	1		149	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	9/12/77	5	1		138	N	
1	9/12/77	6	1		127	N	
1	9/12/77	7	1		117	N	
1	9/12/77	8	1		113	N	
1	9/12/77	9	1		108	N	
1	9/12/77	10	1		91	N	
1	9/12/77	11	1		75	N	
1	9/12/77	12	1		75	N	
1	10/7/77	1	1		171	N	
1	10/7/77	2	1		173	Y	
1	10/7/77	3	1		166	N	
1	10/7/77	4	1		158	N	
1	10/7/77	5	1		147	N	
1	10/7/77	6	1		136	N	
1	10/7/77	7	1		126	N	
1	10/7/77	8	1		121	N	
1	10/7/77	9	1		118	N	
1	10/7/77	10	1		98	N	
1	10/7/77	11	1		77	N	
1	10/7/77	12	1		76	N	
1	12/7/77	1	1		172	Y	
1	12/7/77	2	1		170	N	
1	12/7/77	3	1		172	N	
1	12/7/77	4	1		165	N	
1	12/7/77	5	1		156	N	
1	12/7/77	6	1		146	N	
1	12/7/77	7	1		135	N	
1	12/7/77	8	1		124	N	
1	12/7/77	9	1		119	N	
1	12/7/77	10	1		113	N	
1	12/7/77	11	1		89	N	
1	12/7/77	12	1		64	N	
1	2/26/78	1	1		183	N	
1	2/26/78	2	1		184	Y	
1	2/26/78	3	1		176	N	
1	2/26/78	4	1		168	N	
1	2/26/78	5	1		157	N	
1	2/26/78	6	1		145	N	
1	2/26/78	7	1		134	N	
1	2/26/78	8	1		128	N	
1	2/26/78	9	1		118	N	
1	2/26/78	10	1		95	N	
1	2/26/78	11	1		71	N	
1	2/26/78	12	1		70	N	
1	3/24/78	1	1		169	N	
1	3/24/78	2	1		170	Y	
1	3/24/78	3	1		163	N	
1	3/24/78	4	1		154	N	
1	3/24/78	5	1		143	N	
1	3/24/78	6	1		132	N	
1	3/24/78	7	1		121	N	
1	3/24/78	8	1		114	N	
1	3/24/78	9	1		104	N	
1	3/24/78	10	1		83	N	
1	3/24/78	11	1		63	N	
1	3/24/78	12	1		62	N	
1	4/23/78	1	1		175	Y	
1	4/23/78	2	1		174	N	
1	4/23/78	3	1		166	N	
1	4/23/78	4	1		157	N	
1	4/23/78	5	1		145	N	
1	4/23/78	6	1		134	N	
1	4/23/78	7	1		123	N	
1	4/23/78	8	1		116	N	
1	4/23/78	9	1		108	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	4/23/78	10	1		89	N	
1	4/23/78	11	1		69	N	
1	4/23/78	12	1		69	N	
1	6/17/78	1	1		165	Y	
1	6/17/78	2	1		165	N	
1	6/17/78	3	1		157	N	
1	6/17/78	4	1		148	N	
1	6/17/78	5	1		137	N	
1	6/17/78	6	1		125	N	
1	6/17/78	7	1		115	N	
1	6/17/78	8	1		109	N	
1	6/17/78	9	1		101	N	
1	6/17/78	10	1		86	N	
1	6/17/78	11	1		73	N	
1	6/17/78	12	1		72	N	
1	7/16/78	1	1		152	N	
1	7/16/78	2	1		153	Y	
1	7/16/78	3	1		146	N	
1	7/16/78	4	1		137	N	
1	7/16/78	5	1		125	N	
1	7/16/78	6	1		116	N	
1	7/16/78	7	1		104	N	
1	7/16/78	8	1		96	N	
1	7/16/78	9	1		88	N	
1	7/16/78	10	1		75	N	
1	7/16/78	11	1		62	N	
1	7/16/78	12	1		61	N	
1	8/13/78	1	1		161	N	
1	8/13/78	2	1		162	Y	
1	8/13/78	3	1		154	N	
1	8/13/78	4	1		146	N	
1	8/13/78	5	1		135	N	
1	8/13/78	6	1		124	N	
1	8/13/78	7	1		114	N	
1	8/13/78	8	1		109	N	
1	8/13/78	9	1		103	N	
1	8/13/78	10	1		91	N	
1	8/13/78	11	1		79	N	
1	8/13/78	12	1		79	N	
1	9/10/78	1	1		173	Y	
1	9/10/78	2	1		173	N	
1	9/10/78	3	1		166	N	
1	9/10/78	4	1		158	N	
1	9/10/78	5	1		147	N	
1	9/10/78	6	1		137	N	
1	9/10/78	7	1		127	N	
1	9/10/78	8	1		122	N	
1	9/10/78	9	1		117	N	
1	9/10/78	10	1		102	N	
1	9/10/78	11	1		86	N	
1	9/10/78	12	1		84	N	
1	10/7/78	1	1		169	N	
1	10/7/78	2	1		170	Y	
1	10/7/78	3	1		162	N	
1	10/7/78	4	1		154	N	
1	10/7/78	5	1		143	N	
1	10/7/78	6	1		132	N	
1	10/7/78	7	1		122	N	
1	10/7/78	8	1		118	N	
1	10/7/78	9	1		114	N	
1	10/7/78	10	1		95	N	
1	10/7/78	11	1		80	N	
1	10/7/78	12	1		77	N	
1	1/3/79	1	1		170	Y	
1	1/3/79	2	1		170	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	1/3/79	3	1		163	N	
1	1/3/79	4	1		134	N	
1	1/3/79	5	1		144	N	
1	1/3/79	6	1		133	N	
1	1/3/79	7	1		122	N	
1	1/3/79	8	1		115	N	
1	1/3/79	9	1		110	N	
1	1/3/79	10	1		84	N	
1	1/3/79	11	1		53	N	
1	1/3/79	12	1		51	N	
1	4/22/79	1	1		167	Y	
1	4/22/79	2	1		160	N	
1	4/22/79	3	1		161	N	
1	4/22/79	4	1		152	N	
1	4/22/79	5	1		141	N	
1	4/22/79	6	1		130	N	
1	4/22/79	7	1		120	N	
1	4/22/79	8	1		113	N	
1	4/22/79	9	1		105	N	
1	4/22/79	10	1		85	N	
1	4/22/79	11	1		68	N	
1	4/22/79	12	1		67	N	
1	7/7/79	1	1		151	N	
1	7/7/79	2	1		158	Y	
1	7/7/79	3	1		151	N	
1	7/7/79	4	1		142	N	
1	7/7/79	5	1		132	N	
1	7/7/79	6	1		121	N	
1	7/7/79	7	1		111	N	
1	7/7/79	8	1		105	N	
1	7/7/79	9	1		100	N	
1	7/7/79	10	1		81	N	
1	7/7/79	11	1		76	N	
1	7/7/79	12	1		76	N	
1	8/1/79	1	1		163	N	
1	8/1/79	2	1		164	Y	
1	8/1/79	3	1		157	N	
1	8/1/79	4	1		148	N	
1	8/1/79	5	1		138	N	
1	8/1/79	6	1		127	N	
1	8/1/79	7	1		117	N	
1	8/1/79	8	1		112	N	
1	8/1/79	9	1		107	N	
1	8/1/79	10	1		95	N	
1	8/1/79	11	1		84	N	
1	8/1/79	12	1		83	N	
1	9/4/79	1	1		155	N	
1	9/4/79	2	1		157	Y	
1	9/4/79	3	1		150	N	
1	9/4/79	4	1		141	N	
1	9/4/79	5	1		130	N	
1	9/4/79	6	1		120	N	
1	9/4/79	7	1		111	N	
1	9/4/79	8	1		106	N	
1	9/4/79	9	1		102	N	
1	9/4/79	10	1		90	N	
1	9/4/79	11	1		76	N	
1	9/4/79	12	1		75	N	
1	11/15/79	1	1		165	Y	
1	11/15/79	2	1		165	N	
1	11/15/79	3	1		159	N	
1	11/15/79	4	1		150	N	
1	11/15/79	5	1		141	N	
1	11/15/79	6	1		132	N	
1	11/15/79	7	1		122	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	11/15/79	8	1		117	N	
1	11/15/79	9	1		114	N	
1	11/15/79	10	1		94	N	
1	11/15/79	11	1		69	N	
1	11/15/79	12	1		69	N	
1	2/6/80	1	1		163	N	
1	2/6/80	2	1		164	Y	
1	2/6/80	3	1		158	N	
1	2/6/80	4	1		149	N	
1	2/6/80	5	1		139	N	
1	2/6/80	6	1		129	N	
1	2/6/80	7	1		119	N	
1	2/6/80	8	1		114	N	
1	2/6/80	9	1		107	N	
1	2/6/80	10	1		81	N	
1	2/6/80	11	1		56	N	
1	2/6/80	12	1		55	N	
1	5/12/80	1	1		158	N	
1	5/12/80	2	1		159	Y	
1	5/12/80	3	1		152	N	
1	5/12/80	4	1		143	N	
1	5/12/80	5	1		133	N	
1	5/12/80	6	1		123	N	
1	5/12/80	7	1		113	N	
1	5/12/80	8	1		99	N	
1	5/12/80	9	1		95	N	
1	5/12/80	10	1		80	N	
1	5/12/80	11	1		100	N	
1	5/12/80	12	1		65	N	
1	11/12/80	1	1		166	N	
1	11/12/80	2	1		167	Y	
1	11/12/80	3	1		161	N	
1	11/12/80	4	1		153	N	
1	11/12/80	5	1		144	N	
1	11/12/80	6	1		135	N	
1	11/12/80	7	1		127	N	
1	11/12/80	8	1		121	N	
1	11/12/80	9	1		115	N	
1	11/12/80	10	1		98	N	
1	11/12/80	11	1		73	N	
1	11/12/80	12	1		72	N	
1	12/1/80	1	1		169	N	
1	12/1/80	2	1		170	Y	
1	12/1/80	3	1		164	N	
1	12/1/80	4	1		155	N	
1	12/1/80	5	1		145	N	
1	12/1/80	6	1		136	N	
1	12/1/80	7	1		127	N	
1	12/1/80	8	1		121	N	
1	12/1/80	9	1		115	N	
1	12/1/80	10	1		92	N	
1	12/1/80	11	1		62	N	
1	12/1/80	12	1		60	N	
1	6/12/81	1	1		144	N	
1	6/12/81	2	1		145	Y	
1	6/12/81	3	1		139	N	
1	6/12/81	4	1		132	N	
1	6/12/81	5	1		123	N	
1	6/12/81	6	1		115	N	
1	6/12/81	7	1		107	N	
1	6/12/81	8	1		103	N	
1	6/12/81	9	1		100	N	
1	6/12/81	10	1		87	N	
1	6/12/81	11	1		73	N	
1	6/12/81	12	1		73	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	11/11/81	1	1		129	N	
1	11/11/81	2	1		130	Y	
1	11/11/81	3	1		124	N	
1	11/11/81	4	1		118	N	
1	11/11/81	5	1		108	N	
1	11/11/81	6	1		102	N	
1	11/11/81	7	1		89	N	
1	11/11/81	8	1		84	N	
1	11/11/81	9	1		81	N	
1	11/11/81	10	1		71	N	
1	11/11/81	11	1		55	N	
1	11/11/81	12	1		54	N	
1	1/14/82	1	1		158	N	
1	1/14/82	2	1		159	Y	
1	1/14/82	3	1		155	N	
1	1/14/82	4	1		147	N	
1	1/14/82	5	1		137	N	
1	1/14/82	6	1		130	N	
1	1/14/82	7	1		122	N	
1	1/14/82	8	1		118	N	
1	1/14/82	9	1		115	N	
1	1/14/82	10	1		96	N	
1	1/14/82	11	1		78	N	
1	1/14/82	12	1		78	N	
1	2/4/82	1	1		164	Y	
1	2/4/82	2	1		164	N	
1	2/4/82	3	1		159	N	
1	2/4/82	4	1		151	N	
1	2/4/82	5	1		142	N	
1	2/4/82	6	1		134	N	
1	2/4/82	7	1		127	N	
1	2/4/82	8	1		123	N	
1	2/4/82	9	1		120	N	
1	2/4/82	10	1		105	N	
1	2/4/82	11	1		88	N	
1	2/4/82	12	1		87	N	
1	3/10/82	1	1		155	N	
1	3/10/82	2	1		156	Y	
1	3/10/82	3	1		151	N	
1	3/10/82	4	1		144	N	
1	3/10/82	5	1		134	N	
1	3/10/82	6	1		129	N	
1	3/10/82	7	1		120	N	
1	3/10/82	8	1		115	N	
1	3/10/82	9	1		112	N	
1	3/10/82	10	1		96	N	
1	3/10/82	11	1		81	N	
1	3/10/82	12	1		80	N	
1	10/14/83	1	1		134	N	
1	10/14/83	2	1		135	Y	
1	10/14/83	3	1		130	N	
1	10/14/83	4	1		120	N	
1	10/14/83	5	1		112	N	
1	10/14/83	6	1		75	N	
1	11/8/83	1	1		144	N	
1	11/8/83	2	1		144	Y	
1	11/8/83	3	1		139	N	
1	11/8/83	4	1		129	N	
1	11/8/83	5	1		121	N	
1	11/8/83	6	1		82	N	
1	12/6/83	1	1		144	N	
1	12/6/83	2	1		145	N	
1	12/6/83	3	1		139	N	
1	12/6/83	4	1		149	Y	
1	12/6/83	5	1		121	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	12/6/83	6	1		77	N	
1	1/3/84	1	1		143	N	
1	1/3/84	2	1		143	Y	
1	1/3/84	3	1		139	N	
1	1/3/84	4	1		129	N	
1	1/3/84	5	1		120	N	
1	1/3/84	6	1		72	N	
1	2/7/84	1	1		143	N	
1	2/7/84	2	1		143	Y	
1	2/7/84	3	1		138	N	
1	2/7/84	4	1		127	N	
1	2/7/84	5	1		118	N	
1	2/7/84	6	1		70	N	
1	2/14/84	1	1		132	N	
1	2/14/84	2	1		132	Y	
1	2/14/84	3	1		126	N	
1	2/14/84	4	1		115	N	
1	2/14/84	5	1		107	N	
1	2/14/84	6	1		62	N	
1	3/26/84	1	1		138	N	
1	3/26/84	2	1		138	Y	
1	3/26/84	3	1		132	N	
1	3/26/84	4	1		121	N	
1	3/26/84	5	1		111	N	
1	3/26/84	6	1		68	N	
1	4/7/84	1	1		126	N	
1	4/7/84	2	1		126	Y	
1	4/7/84	3	1		121	N	
1	4/7/84	4	1		112	N	
1	4/7/84	5	1		104	N	
1	4/7/84	6	1		65	N	
1	6/19/84	1	1		138	N	
1	6/19/84	2	1		140	Y	
1	6/19/84	3	1		135	N	
1	6/19/84	4	1		124	N	
1	6/19/84	5	1		115	N	
1	6/19/84	6	1		76	N	
1	9/3/84	1	1		132	N	
1	9/3/84	2	1		132	Y	
1	9/3/84	3	1		128	N	
1	9/3/84	4	1		119	N	
1	9/3/84	5	1		113	N	
1	9/3/84	6	1		84	N	
1	3/3/85	1	1		155	N	
1	3/3/85	2	1		158	Y	
1	3/3/85	3	1		150	N	
1	3/3/85	4	1		149	N	
1	3/3/85	5	1		149	N	
1	3/3/85	6	1		147	N	
1	3/3/85	7	1		146	N	
1	3/3/85	8	1		145	N	
1	3/3/85	9	1		145	N	
1	3/3/85	10	1		144	N	
1	3/3/85	11	1		143	N	
1	3/3/85	12	1		142	N	
1	3/5/85	1	1		135	Y	
1	3/5/85	2	1		127	N	
1	3/5/85	3	1		128	N	
1	3/5/85	4	1		128	N	
1	3/5/85	5	1		114	N	
1	3/5/85	6	1		75	N	
1	4/1/85	1	1		140	N	
1	4/1/85	2	1		141	Y	
1	4/1/85	3	1		137	N	
1	4/1/85	4	1		127	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	4/1/85	5	1		116	N	
1	4/1/85	6	1		77	N	
1	6/4/85	1	1		138	N	
1	6/4/85	2	1		139	Y	
1	6/4/85	3	1		135	N	
1	6/4/85	4	1		125	N	
1	6/4/85	5	1		117	N	
1	6/4/85	6	1		79	N	
1	6/10/85	1	1		126	Y	
1	6/10/85	2	1		125	N	
1	6/10/85	3	1		121	N	
1	6/10/85	4	1		112	N	
1	6/10/85	5	1		106	N	
1	6/10/85	6	1		74	N	
1	7/2/85	1	1		139	N	
1	7/2/85	2	1		140	Y	
1	7/2/85	3	1		134	N	
1	7/2/85	4	1		124	N	
1	7/2/85	5	1		117	N	
1	7/2/85	6	1		81	N	
1	8/5/85	1	1		138	N	
1	8/5/85	2	1		139	Y	
1	8/5/85	3	1		134	N	
1	8/5/85	4	1		126	N	
1	8/5/85	5	1		119	N	
1	8/5/85	6	1		85	N	
1	9/1/85	1	1		139	N	
1	9/1/85	2	1		139	Y	
1	9/1/85	3	1		134	N	
1	9/1/85	4	1		126	N	
1	9/1/85	5	1		119	N	
1	9/1/85	6	1		86	N	
1	1/6/86	1	1		138.5	N	
1	1/6/86	2	1		138.5	Y	
1	1/6/86	3	1		133.5	N	
1	1/6/86	4	1		124	N	
1	1/6/86	5	1		116.3	N	
1	1/6/86	6	1		77.8	N	
1	3/4/86	1	1		139.4	N	
1	3/4/86	2	1		139.7	Y	
1	3/4/86	3	1		134.6	N	
1	3/4/86	4	1		124.6	N	
1	3/4/86	5	1		116.2	N	
1	3/4/86	6	1		76.2	N	
1	4/7/86	1	1		139	N	
1	4/7/86	2	1		140	Y	
1	4/7/86	3	1		134	N	
1	4/7/86	4	1		124	N	
1	4/7/86	5	1		116	N	
1	4/7/86	6	1		77	N	
1	5/11/86	1	1		138.3	N	
1	5/11/86	2	1		138.9	Y	
1	5/11/86	3	1		133.3	N	
1	5/11/86	4	1		124.6	N	
1	5/11/86	5	1		116.1	N	
1	5/11/86	6	1		77.5	N	
1	6/3/86	1	1		138	N	
1	6/3/86	2	1		138	Y	
1	6/3/86	3	1		133	N	
1	6/3/86	4	1		124	N	
1	6/3/86	5	1		115	N	
1	6/3/86	6	1		78	N	
1	8/4/86	1	1		136	N	
1	8/4/86	2	1		136	Y	
1	8/4/86	3	1		131	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	8/4/86	4	1		123	N	
1	8/4/86	5	1		116	N	
1	8/4/86	6	1		83	N	
1	9/1/86	1	1		145	N	
1	9/1/86	2	1		145	Y	
1	9/1/86	3	1		140	N	
1	9/1/86	4	1		132	N	
1	9/1/86	5	1		125	N	
1	9/1/86	6	1		95	N	
1	11/2/86	1	1		123.1	N	
1	11/2/86	2	1		124.7	Y	
1	11/2/86	3	1		120.7	N	
1	11/2/86	4	1		113.8	N	
1	11/2/86	5	1		107.7	N	
1	11/2/86	6	1		80.27	N	
1	12/3/86	1	1		120	N	
1	12/3/86	2	1		122	Y	
1	12/3/86	3	1		117	N	
1	12/3/86	4	1		111	N	
1	12/3/86	5	1		104	N	
1	12/3/86	6	1		75	N	
1	2/3/87	1	1		136	N	
1	2/3/87	2	1		138	Y	
1	2/3/87	3	1		133	N	
1	2/3/87	4	1		124	N	
1	2/3/87	5	1		116	N	
1	2/3/87	6	1		77	N	
1	3/2/87	1	1		134	N	
1	3/2/87	2	1		135	Y	
1	3/2/87	3	1		131	N	
1	3/2/87	4	1		122	N	
1	3/2/87	5	1		114	N	
1	3/2/87	6	1		76	N	
1	4/13/87	1	1		134	N	
1	4/13/87	2	1		136	Y	
1	4/13/87	3	1		131	N	
1	4/13/87	4	1		122	N	
1	4/13/87	5	1		115	N	
1	4/13/87	6	1		76	N	
1	6/1/87	1	1		135	N	
1	6/1/87	2	1		136	Y	
1	6/1/87	3	1		131	N	
1	6/1/87	4	1		122	N	
1	6/1/87	5	1		113	N	
1	6/1/87	6	1		79	N	
1	7/6/87	1	1		134.3	N	
1	7/6/87	2	1		136.7	Y	
1	7/6/87	3	1		132.2	N	
1	7/6/87	4	1		123.8	N	
1	7/6/87	5	1		116	N	
1	7/6/87	6	1		82	N	
1	8/4/87	1	1		132	N	
1	8/4/87	2	1		134	Y	
1	8/4/87	3	1		130	N	
1	8/4/87	4	1		123	N	
1	8/4/87	5	1		115	N	
1	8/4/87	6	1		82	N	
1	9/7/87	1	1		134.4	N	
1	9/7/87	2	1		135.9	Y	
1	9/7/87	3	1		130.7	N	
1	9/7/87	4	1		122.2	N	
1	9/7/87	5	1		113.8	N	
1	9/7/87	6	1		82.5	N	
1	10/5/87	1	1		135	N	
1	10/5/87	2	1		136	Y	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	10/5/87	3	1		131	N	
1	10/5/87	4	1		124	N	
1	10/5/87	5	1		116	N	
1	10/5/87	6	1		85	N	
1	11/3/87	1	1		148	N	
1	11/3/87	2	1		149	Y	
1	11/3/87	3	1		145	N	
1	11/3/87	4	1		138	N	
1	11/3/87	5	1		131	N	
1	11/3/87	6	1		101	N	
1	1/25/88	1	1		132	N	
1	1/25/88	2	1		134	Y	
1	1/25/88	3	1		131	N	
1	1/25/88	4	1		124	N	
1	1/25/88	5	1		116	N	
1	1/25/88	6	1		80	N	
1	2/1/88	1	1		135	N	
1	2/1/88	2	1		136	Y	
1	2/1/88	3	1		136	N	
1	2/1/88	4	1		124	N	
1	2/1/88	5	1		118	N	
1	2/1/88	6	1		83	N	
1	3/7/88	1	1		135	N	
1	3/7/88	2	1		136	Y	
1	3/7/88	3	1		131	N	
1	3/7/88	4	1		123	N	
1	3/7/88	5	1		114	N	
1	3/7/88	6	1		77	N	
1	4/6/88	1	1		121	N	
1	4/6/88	2	1		122	Y	
1	4/6/88	3	1		118	N	
1	4/6/88	4	1		111	N	
1	4/6/88	5	1		104	N	
1	4/6/88	6	1		73	N	
1	5/2/88	1	1		130	N	
1	5/2/88	2	1		132	Y	
1	5/2/88	3	1		127	N	
1	5/2/88	4	1		119	N	
1	5/2/88	5	1		112	N	
1	5/2/88	6	1		76	N	
1	5/3/88	1	1		130	N	
1	5/3/88	2	1		132	Y	
1	5/3/88	3	1		127	N	
1	5/3/88	4	1		119	N	
1	5/3/88	5	1		112	N	
1	5/3/88	6	1		76	N	
1	6/7/88	1	1		133	N	
1	6/7/88	2	1		135	Y	
1	6/7/88	3	1		130	N	
1	6/7/88	4	1		122	N	
1	6/7/88	5	1		114	N	
1	6/7/88	6	1		81	N	
1	7/4/88	1	1		132	N	
1	7/4/88	2	1		133	Y	
1	7/4/88	3	1		129	N	
1	7/4/88	4	1		121	N	
1	7/4/88	5	1		114	N	
1	7/4/88	6	1		81	N	
1	7/7/88	1	1			N	81 - suspect data (low)
1	8/1/88	1	1		117	N	
1	8/1/88	2	1		118	Y	
1	8/1/88	3	1		114	N	
1	8/1/88	4	1		107	N	
1	8/1/88	5	1		99	N	
1	8/1/88	6	1		69	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	9/5/88	1	1		132	N	
1	9/5/88	2	1		133	Y	
1	9/5/88	3	1		129	N	
1	9/5/88	4	1		120	N	
1	9/5/88	5	1		112	N	
1	9/5/88	6	1		81	N	
1	10/3/88	1	1		133	N	
1	10/3/88	2	1		134	Y	
1	10/3/88	3	1		130	N	
1	10/3/88	4	1		123	N	
1	10/3/88	5	1		116	N	
1	10/3/88	6	1		87	N	
1	2/7/89	1	1		144	N	
1	2/7/89	2	1		148	Y	
1	2/7/89	3	1		142	N	
1	2/7/89	4	1		134	N	
1	2/7/89	5	1		126	N	
1	2/7/89	6	1		88	N	
1	3/6/89	1	1		133	N	
1	3/6/89	2	1		134	Y	
1	3/6/89	3	1		129	N	
1	3/6/89	4	1		121	N	
1	3/6/89	5	1		113	N	
1	3/6/89	6	1		76	N	
1	4/5/89	1	1		135	N	
1	4/5/89	2	1		136	Y	
1	4/5/89	3	1		132	N	
1	4/5/89	4	1		123	N	
1	4/5/89	5	1		115	N	
1	4/5/89	6	1		78	N	
1	6/6/89	1	1		132	N	
1	6/6/89	2	1		133	Y	
1	6/6/89	3	1		128	N	
1	6/6/89	4	1		119	N	
1	6/6/89	5	1		111	N	
1	6/6/89	6	1		77	N	
1	8/2/89	1	1		131	N	
1	8/2/89	2	1		133	Y	
1	8/2/89	3	1		128	N	
1	8/2/89	4	1		120	N	
1	8/2/89	5	1		112	N	
1	8/2/89	6	1		81	N	
1	8/7/89	1	1		125	N	
1	8/7/89	2	1		126	Y	
1	8/7/89	3	1		122	N	
1	8/7/89	4	1		116	N	
1	8/7/89	5	1		109	N	
1	8/7/89	6	1		84	N	
1	9/4/89	1	1		132	N	
1	9/4/89	2	1		133	Y	
1	9/4/89	3	1		129	N	
1	9/4/89	4	1		121	N	
1	9/4/89	5	1		113	N	
1	9/4/89	6	1		83	N	
1	10/12/89	1	1		133.5	N	
1	10/12/89	2	1		134.7	Y	
1	10/12/89	3	1		130.6	N	
1	10/12/89	4	1		123.5	N	
1	10/12/89	5	1		116.4	N	
1	10/12/89	6	1		86.2	N	
1	10/23/89	1	1		133.5	N	
1	10/23/89	2	1		134.7	Y	
1	10/23/89	3	1		130.6	N	
1	10/23/89	4	1		123.5	N	
1	10/23/89	5	1		116.4	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	10/23/89	6	1		86.2	N	
1	11/10/89	1	1		130.2	N	
1	11/10/89	2	1		131.3	Y	
1	11/10/89	3	1		127.2	N	
1	11/10/89	4	1		120.1	N	
1	11/10/89	5	1		113.2	N	
1	11/10/89	6	1		83.6	N	
1	11/18/89	1	1		133.5	Y	
1	11/18/89	2	1		134.4	N	
1	11/18/89	3	1		130.3	N	
1	11/18/89	4	1		123.2	N	
1	11/18/89	5	1		116	N	
1	11/18/89	6	1		85.4	N	Testson104-BYtakenwithJ
1	11/25/89	1	1		134.2	N	
1	11/25/89	2	1		135.1	Y	
1	11/25/89	3	1		130.9	N	
1	11/25/89	4	1		123.8	N	
1	11/25/89	5	1		116.5	N	
1	11/25/89	6	1		85.5	N	
1	12/1/89	1	1		134.2	N	
1	12/1/89	2	1		135	Y	
1	12/1/89	3	1		130.8	N	
1	12/1/89	4	1		123.7	N	
1	12/1/89	5	1		116.5	N	
1	12/1/89	6	1		85.2	N	
1	12/10/89	1	1		134	N	
1	12/10/89	2	1		135	Y	
1	12/10/89	3	1		130.6	N	
1	12/10/89	4	1		123.8	N	
1	12/10/89	5	1		116.5	N	
1	12/10/89	6	1		85.4	N	
1	12/15/89	1	1		134.1	N	J
1	12/15/89	2	1		135.1	Y	
1	12/15/89	3	1		131.1	N	
1	12/15/89	4	1		123.8	N	
1	12/15/89	5	1		116.5	N	
1	12/15/89	6	1		84.9	N	
1	12/23/89	1	1		135	Y	
1	12/23/89	2	1		135	N	
1	12/23/89	3	1		131	N	
1	12/23/89	4	1		124	N	
1	12/23/89	5	1		117	N	
1	12/23/89	6	1		84	N	
1	12/29/89	1	1		134	N	J-2E-OP-020
1	12/29/89	2	1		136	Y	
1	12/29/89	3	1		132	N	
1	12/29/89	4	1		124	N	
1	12/29/89	5	1		117	N	
1	12/29/89	6	1		84	N	
1	1/6/90	2	1		130.2	N	J-2E-OP-002
1	1/6/90	3	1		131.2	Y	
1	1/6/90	4	1		127.3	N	
1	1/6/90	5	1		120	N	
1	1/6/90	6	1		112.6	N	
1	1/13/90	1	1		128.5	N	
1	1/13/90	2	1		129.6	Y	
1	1/13/90	3	1		125.5	N	
1	1/13/90	4	1		118.2	N	
1	1/13/90	5	1		111	N	
1	1/13/90	6	1		78.3	N	J-#890523512-20
1	1/19/90	1	1		131.1	N	
1	1/19/90	2	1		132.1	Y	
1	1/19/90	3	1		128	N	
1	1/19/90	4	1		120.5	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	1/19/90	5	1		113	N	
1	1/19/90	6	1		80.1	N	
1	1/27/90	1	1		131.2	N	J-2E-OP-020
1	1/27/90	2	1		132.3	Y	
1	1/27/90	3	1		128	N	
1	1/27/90	4	1		120.4	N	
1	1/27/90	5	1		112.6	N	
1	1/27/90	6	1		78.9	N	
1	2/3/90	1	1		133.8	N	
1	2/3/90	2	1		134.8	Y	
1	2/3/90	3	1		130.5	N	
1	2/3/90	4	1		122.8	N	
1	2/3/90	5	1		115	N	
1	2/3/90	6	1		80.7	N	J-2E-OP-020
1	2/5/90	1	1		131.2	N	J-2E-OP-021
1	2/5/90	2	1		132.4	Y	
1	2/5/90	3	1		128.1	N	
1	2/5/90	4	1		120.4	N	
1	2/5/90	5	1		112.5	N	
1	2/5/90	6	1		78.4	N	
1	2/11/90	1	1		131.8	N	J-2E-OP-021
1	2/11/90	2	1		133	Y	
1	2/11/90	3	1		128.6	N	
1	2/11/90	4	1		120.7	N	
1	2/11/90	5	1		112.4	N	
1	2/11/90	6	1		78.1	N	
1	3/2/90	1	1		133.7	N	
1	3/2/90	2	1		135.3	Y	
1	3/2/90	3	1		131	N	
1	3/2/90	4	1		122.8	N	
1	3/2/90	5	1		114.7	N	
1	3/2/90	6	1		79.1	N	
1	3/5/90	1	1		133.5	N	TypeJ-2E-OP-020
1	3/5/90	2	1		134.6	Y	
1	3/5/90	3	1		130.3	N	
1	3/5/90	4	1		122.3	N	
1	3/5/90	5	1		114.3	N	
1	3/5/90	6	1		79.5	N	
1	4/3/90	1	1		132.5	N	Typel2E-OP-020
1	4/3/90	2	1		133.7	Y	
1	4/3/90	3	1		129.2	N	
1	4/3/90	4	1		120.5	N	
1	4/3/90	5	1		111.7	N	
1	4/8/90	1	1		132	N	
1	4/8/90	2	1		134	Y	
1	4/8/90	3	1		129	N	
1	4/8/90	4	1		121	N	
1	4/8/90	5	1		113	N	
1	4/8/90	6	1		78	N	
1	5/5/90	1	1		130	N	
1	5/5/90	2	1		131	Y	
1	5/5/90	3	1		127	N	
1	5/5/90	4	1		119	N	
1	5/5/90	5	1		110	N	
1	5/5/90	6	1		76	N	
1	6/1/90	3	1		128.7	Y	
1	6/1/90	4	1		120.4	N	
1	6/1/90	5	1		112.1	N	
1	6/1/90	6	1		79	N	TC#12inconsistentwithnorm.Discrep.rpt#263issued
1	7/8/90	1	1		131	N	J-2E-OP-020
1	7/8/90	2	1		132.7	Y	
1	7/8/90	3	1		128.4	N	
1	7/8/90	4	1		120.7	N	
1	7/8/90	5	1		113.3	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104 THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	7/8/90	6	1		81.2	N	
1	8/5/90	1	1		128.3	N	J
1	8/5/90	2	1		129.2	Y	
1	8/5/90	3	1		125	N	
1	8/5/90	4	1		117.9	N	
1	8/5/90	5	1		110.8	N	
1	8/5/90	6	1		80.7	N	
1	9/11/90	1	1		128	Y	J
1	9/11/90	2	1		128	N	
1	9/11/90	3	1		124	N	
1	9/11/90	4	1		117	N	
1	9/11/90	5	1		109	N	
1	9/11/90	6	1		80	N	
1	10/9/90	1	1		128	N	J
1	10/9/90	2	1		129	Y	
1	10/9/90	3	1		125	N	
1	10/9/90	4	1		118	N	
1	10/9/90	5	1		112	N	
1	10/9/90	6	1		83	N	
1	10/22/90	1	1		129	N	J890523512-20
1	10/22/90	2	1		130	Y	
1	10/22/90	3	1		126	N	
1	10/22/90	4	1		119	N	
1	10/22/90	5	1		113	N	
1	10/22/90	6	1		84	N	
1	10/26/90	1	1		125.8	N	J-890523512-20
1	10/26/90	2	1		127.4	Y	
1	10/26/90	3	1		123.7	N	
1	10/26/90	4	1		116.9	N	
1	10/26/90	5	1		110.1	N	
1	10/26/90	6	1		80.3	N	
1	10/30/90	1	1		129.5	N	J890523512-20
1	10/30/90	2	1		130	Y	
1	10/30/90	3	1		126.3	N	
1	10/30/90	4	1		116.8	N	
1	10/30/90	5	1		113	N	
1	10/30/90	6	1		84.3	N	
1	11/5/90	1	1		129.3	N	J890523512-20
1	11/5/90	2	1		130.1	Y	
1	11/5/90	3	1		126.4	N	
1	11/5/90	4	1		119.9	N	
1	11/5/90	5	1		112.9	N	
1	11/5/90	6	1		84	N	
1	11/12/90	1	1		131	N	2E-OP-021
1	11/12/90	2	1		131.7	Y	
1	11/12/90	3	1		128	N	
1	11/12/90	4	1		121.5	N	
1	11/12/90	5	1		114.3	N	
1	11/12/90	6	1		83.9	N	
1	11/18/90	1	1		132	Y	J890523512-20
1	11/18/90	2	1		128.5	N	
1	11/18/90	3	1		126.3	N	
1	11/18/90	4	1		123	N	
1	11/18/90	5	1		118.3	N	
1	11/18/90	6	1		85.7	N	
1	11/25/90	1	1		129.3	N	J-2E-OP-021
1	11/25/90	2	1		129.8	Y	
1	11/25/90	3	1		126.1	N	
1	11/25/90	4	1		119.8	N	
1	11/25/90	5	1		112.8	N	
1	11/25/90	6	1		82.5	N	
1	12/5/90	1	1		128.4	N	J890523512-20
1	12/5/90	2	1		129.5	Y	
1	12/5/90	3	1		125.8	N	
1	12/5/90	4	1		119.2	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	12/5/90	5	1		112.2	N	
1	12/5/90	6	1		81.5	N	
1	12/11/90	1	1		128.1	N	J890423320-11
1	12/11/90	2	1		129.2	Y	
1	12/11/90	3	1		125.6	N	
1	12/11/90	4	1		119	N	
1	12/11/90	5	1		112	N	
1	12/11/90	6	1		81.1	N	
1	12/15/90	1	1		130.3	N	HH-99A-J
1	12/15/90	2	1		131.9	Y	
1	12/15/90	3	1		128.4	N	
1	12/15/90	4	1		127	N	
1	12/15/90	5	1		114.2	N	
1	12/15/90	6	1		82.6	N	
1	12/22/90	1	1		129	Y	J890423320-11
1	12/22/90	2	1		127	N	
1	12/22/90	3	1		121	N	
1	12/22/90	4	1		116	N	
1	12/22/90	5	1		109	N	
1	12/22/90	6	1		78	N	
1	12/30/90	1	1		129.8	N	J-2E-OP-021
1	12/30/90	2	1		130.8	Y	
1	12/30/90	3	1		127.2	N	
1	12/30/90	4	1		120.4	N	
1	12/30/90	5	1		113.4	N	
1	12/30/90	6	1		81.2	N	
1	1/6/91	1	1		130	Y	J
1	1/6/91	2	1		130	N	
1	1/6/91	3	1		127	N	
1	1/6/91	4	1		120	N	
1	1/6/91	5	1		113	N	
1	1/6/91	6	1		80	N	
1	1/13/91	1	1		128.2	N	J890423320-11
1	1/13/91	2	1		129.4	Y	
1	1/13/91	3	1		118.7	N	
1	1/13/91	4	1		111.8	N	
1	1/13/91	5	1		111.7	N	
1	1/13/91	6	1		78.4	N	
1	1/19/91	1	1		128.9	N	JHH99A-J
1	1/19/91	2	1		130.7	Y	
1	1/19/91	3	1		127.9	N	
1	1/19/91	4	1		121.5	N	
1	1/19/91	5	1		113.4	N	
1	1/19/91	6	1		80	N	
1	1/29/91	1	1		129.2	N	JHH-99A
1	1/29/91	2	1		130.1	Y	
1	1/29/91	3	1		127.2	N	
1	1/29/91	4	1		120.9	N	
1	1/29/91	5	1		112	N	
1	1/29/91	6	1		78	N	
1	2/3/91	1	1		126	N	JSer#890523512-47
1	2/3/91	2	1		127	Y	
1	2/3/91	3	1		124	N	
1	2/3/91	4	1		117	N	
1	2/3/91	5	1		109	N	
1	2/3/91	6	1		75	N	
1	2/9/91	1	1		128.6	Y	J890523512-47
1	2/9/91	2	1		128.4	N	
1	2/9/91	3	1		126.2	N	
1	2/9/91	4	1		119.5	N	
1	2/9/91	5	1		111.3	N	
1	2/9/91	6	1		76.8	N	
1	2/16/91	1	1		126.6	N	J890513512-47
1	2/16/91	2	1		128	Y	
1	2/16/91	3	1		124.8	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	2/16/91	4	1		118	N	
1	2/16/91	5	1		109.8	N	
1	2/16/91	6	1		75	N	
1	2/23/91	1	1		126.6	N	J890523512-47
1	2/23/91	2	1		128.5	Y	
1	2/23/91	3	1		125.2	N	
1	2/23/91	4	1		118.2	N	
1	2/23/91	5	1		109.8	N	
1	2/23/91	6	1		75.1	N	
1	3/3/91	1	1		124.9	Y	890723678-75
1	3/3/91	2	1		126.1	N	
1	3/3/91	3	1		122.5	N	
1	3/3/91	4	1		115.5	N	
1	3/3/91	5	1		107.7	N	
1	3/3/91	6	1		72.4	N	
1	3/9/91	1	1		131.4	N	2E-OP-020
1	3/9/91	2	1		132.7	Y	
1	3/9/91	3	1		129.6	N	
1	3/9/91	4	1		122.4	N	
1	3/9/91	5	1		114.2	N	
1	3/9/91	6	1		78.1	N	
1	3/17/91	1	1		131.8	N	J2E-OP-021
1	3/17/91	2	1		133	Y	
1	3/17/91	3	1		129.3	N	
1	3/17/91	4	1		121.9	N	
1	3/17/91	5	1		113.5	N	
1	3/17/91	6	1		75.9	N	
1	3/23/91	1	1			N	O/SRetestrequested3/27
1	3/27/91	1	1		131.6	N	J890523512-20Rechecked
1	3/27/91	2	1		133.1	Y	
1	3/27/91	3	1		129.4	N	
1	3/27/91	4	1		121.9	N	
1	3/27/91	5	1		113.3	N	
1	3/27/91	6	1		76.7	N	
1	3/27/91	7	1		76.7	N	
1	3/30/91	1	1		131.8	N	J890523512-20
1	3/30/91	2	1		133.2	Y	
1	3/30/91	3	1		129.1	N	
1	3/30/91	4	1		121.5	N	
1	3/30/91	5	1		112.2	N	
1	3/30/91	6	1		75.4	N	
1	4/7/91	1	1		129.2	N	J890423320-11
1	4/7/91	2	1		130.6	Y	
1	4/7/91	3	1		127.9	N	
1	4/7/91	4	1		127.3	N	
1	4/7/91	5	1		113.5	N	
1	4/7/91	6	1		77.2	N	
1	4/14/91	1	1		129.6	N	J890523512-20Omega
1	4/14/91	2	1		131.1	Y	
1	4/14/91	3	1		127.6	N	
1	4/14/91	4	1		120.5	N	
1	4/14/91	5	1		112.2	N	
1	4/14/91	6	1		76.5	N	
1	4/20/91	1	1		128	N	J890523512-20
1	4/20/91	2	1		129.4	Y	
1	4/20/91	3	1		126.6	N	
1	4/20/91	4	1		120.1	N	
1	4/20/91	5	1		112	N	
1	4/20/91	6	1		75.6	N	
1	4/28/91	1	1		128.2	N	JOmega890523512-20
1	4/28/91	2	1		130	Y	
1	4/28/91	3	1		126.7	N	
1	4/28/91	4	1		119.6	N	
1	4/28/91	5	1		111.5	N	
1	4/28/91	6	1		76.2	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	5/5/91	1	1		128	N	J890523512-20
1	5/5/91	2	1		129.4	Y	J890523512-20
1	5/5/91	3	1		125.7	N	
1	5/5/91	4	1		118.5	N	
1	5/5/91	5	1		110.4	N	
1	5/5/91	6	1		75.5	N	
1	5/12/91	1	1		128	N	J890523512-20
1	5/12/91	2	1		129.3	Y	
1	5/12/91	3	1		125.5	N	
1	5/12/91	4	1		118.2	N	
1	5/12/91	5	1		110.2	N	
1	5/12/91	6	1		75.8	N	
1	5/18/91	1	1		130	N	JKeithley8722E-OP-020
1	5/18/91	2	1		131.7	Y	
1	5/18/91	3	1		128.1	N	
1	5/18/91	4	1		130.8	N	
1	5/18/91	5	1		112.6	N	
1	5/18/91	6	1		72	N	
1	5/25/91	1	1		130.2	N	J2E-OP-021
1	5/25/91	2	1		131.9	Y	
1	5/25/91	3	1		128	N	
1	5/25/91	4	1		120.6	N	
1	5/25/91	5	1		112.5	N	
1	5/25/91	6	1		72.4	N	
1	6/2/91	1	1		126	N	J890423320-42
1	6/2/91	2	1		128.1	Y	
1	6/2/91	3	1		125.1	N	
1	6/2/91	4	1		118.3	N	
1	6/2/91	5	1		110.5	N	
1	6/2/91	6	1		76	N	
1	6/9/91	1	1		128.2	N	J890523512-20
1	6/9/91	2	1		129.5	Y	
1	6/9/91	3	1		125.8	N	
1	6/9/91	4	1		118.3	N	
1	6/9/91	5	1		110.3	N	
1	6/9/91	6	1		76.5	N	
1	6/15/91	1	1		130	N	J2E-OP-021
1	6/15/91	2	1		131.4	Y	
1	6/15/91	3	1		127.6	N	
1	6/15/91	4	1		120.2	N	
1	6/15/91	5	1		112.2	N	
1	6/15/91	6	1		77.8	N	
1	6/23/91	1	1		129	N	J2E-OP-021
1	6/23/91	2	1		131	Y	
1	6/23/91	3	1		127	N	
1	6/23/91	4	1		120	N	
1	6/23/91	5	1		112	N	
1	6/23/91	6	1		78	N	
1	6/29/91	1	1		127	N	J890423320-42
1	6/29/91	2	1		128	Y	
1	6/29/91	3	1		124.3	N	
1	6/29/91	4	1		117.3	N	
1	6/29/91	5	1		109.9	N	
1	6/29/91	6	1		76.9	N	
1	7/6/91	1	1		127.9	N	J910126143-42
1	7/6/91	2	1		129.5	Y	
1	7/6/91	3	1		125.7	N	
1	7/6/91	4	1		118.7	N	
1	7/6/91	5	1		111.3	N	
1	7/6/91	6	1		78.3	N	
1	7/13/91	1	1		128	N	J910126143-42
1	7/13/91	2	1		129.5	Y	
1	7/13/91	3	1		125.8	N	
1	7/13/91	4	1		119	N	
1	7/13/91	5	1		112	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	7/13/91	6	1		78.4	N	
1	7/20/91	1	1		126.4	N	J910126143-64
1	7/20/91	2	1		128.1	Y	
1	7/20/91	3	1		124.2	N	
1	7/20/91	4	1		117.4	N	
1	7/20/91	5	1		110	N	
1	7/20/91	6	1		77.7	N	
1	7/27/91	1	1		125.1	N	J910126143-14
1	7/27/91	2	1		125.8	Y	
1	7/27/91	3	1		123.9	N	
1	7/27/91	4	1		125.1	N	
1	7/27/91	5	1		110.9	N	
1	8/3/91	1	1		124.9	N	J910126143-14
1	8/3/91	2	1		126.3	Y	
1	8/3/91	3	1		123.6	N	
1	8/3/91	4	1		117.9	N	
1	8/3/91	5	1		110.1	N	
1	8/3/91	6	1		78.4	N	
1	8/10/91	1	1		127	N	J890523512-20
1	8/10/91	2	1		129	Y	
1	8/10/91	3	1		126	N	
1	8/10/91	4	1		119	N	
1	8/10/91	5	1		112	N	
1	8/10/91	6	1		80	N	
1	8/18/91	1	1		124.8	N	J890523512-20
1	8/18/91	2	1		126.5	Y	
1	8/18/91	3	1		123.7	N	
1	8/18/91	4	1		117.8	N	
1	8/18/91	5	1		110.8	N	
1	8/18/91	6	1		79.2	N	
1	8/24/91	1	1		125.8	N	J890523512-20
1	8/24/91	2	1		127.4	Y	
1	8/24/91	3	1		124.8	N	
1	8/24/91	4	1		119.2	N	
1	8/24/91	5	1		112.7	N	
1	8/24/91	6	1		81.2	N	
1	8/31/91	1	1		124.8	N	J-890423320-42
1	8/31/91	2	1		126.3	Y	
1	8/31/91	3	1		124.1	N	
1	8/31/91	4	1		118.4	N	
1	8/31/91	5	1		111.7	N	
1	8/31/91	6	1		80.4	N	
1	9/8/91	1	1		124.8	N	J-890423320-42
1	9/8/91	2	1		126.2	Y	
1	9/8/91	3	1		124.1	N	
1	9/8/91	4	1		118.2	N	
1	9/8/91	5	1		111.7	N	
1	9/8/91	6	1		80.4	N	
1	9/15/91	1	1		125.3	N	J-910126143-75
1	9/15/91	2	1		127.1	Y	
1	9/15/91	3	1		124.3	N	
1	9/15/91	4	1		118.9	N	
1	9/15/91	5	1		112.4	N	
1	9/15/91	6	1		82	N	
1	9/22/91	2	1		129.5	Y	J-910126143-75TC#1O/S
1	9/22/91	3	1		126	N	
1	9/22/91	4	1		120	N	
1	9/22/91	5	1		113.1	N	
1	9/22/91	6	1		83.4	N	
1	9/28/91	1	1			N	SuppliedAirAccessOnly
1	10/1/91	1	1		127.9	N	J-910126143-75
1	10/1/91	2	1		128.6	Y	
1	10/1/91	3	1		124.4	N	
1	10/1/91	4	1		117.9	N	
1	10/1/91	5	1		111.6	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104 THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	10/1/91	6	1		82.3	N	
1	10/5/91	1	1		129.7	N	J-910126143-42
1	10/5/91	2	1		130.2	Y	
1	10/5/91	3	1		127.2	N	
1	10/5/91	4	1		121.2	N	
1	10/5/91	5	1		114.7	N	
1	10/5/91	6	1		85.1	N	
1	10/12/91	1	1		126.9	N	J-TI023
1	10/12/91	2	1		127.9	Y	
1	10/12/91	3	1		124.6	N	
1	10/12/91	4	1		118.9	N	
1	10/12/91	5	1		112.7	N	
1	10/12/91	6	1		83.2	N	
1	10/19/91	1	1		126.3	N	J-890523512-47
1	10/19/91	2	1		127.9	Y	
1	10/19/91	3	1		125.1	N	
1	10/19/91	4	1		119.4	N	
1	10/19/91	5	1		113.1	N	
1	10/19/91	6	1		83.3	N	
1	10/27/91	1	1		129	N	J-91026143-42
1	10/27/91	2	1		129.5	Y	
1	10/27/91	3	1		125.7	N	
1	10/27/91	4	1		119.5	N	
1	10/27/91	5	1		113.1	N	
1	10/27/91	6	1		83.4	N	
1	11/2/91	1	1		127	Y	J-890523512-47
1	11/2/91	2	1		127	N	
1	11/2/91	3	1		123	N	
1	11/2/91	4	1		118	N	
1	11/2/91	5	1		111	N	
1	11/2/91	6	1		81	N	
1	11/9/91	1	1		127	Y	J-2E-OP-02
1	11/9/91	2	1		127	N	
1	11/9/91	3	1		124	N	
1	11/9/91	4	1		118	N	
1	11/9/91	5	1		113	N	
1	11/9/91	6	1		78	N	
1	11/17/91	1	1		121.5	N	J-910126143-75
1	11/17/91	2	1		121.6	N	
1	11/17/91	3	1		123.8	Y	
1	11/17/91	4	1		117.5	N	
1	11/17/91	5	1		110.8	N	
1	11/17/91	6	1		80.5	N	
1	11/24/91	1	1		128.9	N	J-910126143-75
1	11/24/91	2	1		129.4	Y	
1	11/24/91	3	1		125.8	N	
1	11/24/91	4	1		119.7	N	
1	11/24/91	5	1		112.9	N	
1	11/24/91	6	1		82.4	N	
1	12/1/91	1	1		127.8	N	J-910126143-14
1	12/1/91	2	1		128.2	Y	
1	12/1/91	3	1		124.7	N	
1	12/1/91	4	1		118.6	N	
1	12/1/91	5	1		112	N	
1	12/1/91	6	1		81	N	
1	12/6/91	1	1		128.8	N	J-910126143-29
1	12/6/91	2	1		129.3	Y	
1	12/6/91	3	1		125.6	N	
1	12/6/91	4	1		119.5	N	
1	12/6/91	5	1		112.7	N	
1	12/6/91	6	1		81.6	N	
1	12/14/91	1	1		129.3	N	J-910126143-29
1	12/14/91	2	1		129.7	Y	
1	12/14/91	3	1		126.5	N	
1	12/14/91	4	1		120.7	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	12/14/91	5	1		113.8	N	
1	12/14/91	6	1		81.3	N	
1	12/20/91	1	1		129.1	N	J-910126143-29
1	12/20/91	2	1		129.4	Y	
1	12/20/91	3	1		125.8	N	
1	12/20/91	4	1		119.6	N	
1	12/20/91	5	1		112.7	N	
1	12/20/91	6	1		80.8	N	
1	12/29/91	1	1		128.8	N	J-910126143-29
1	12/29/91	2	1		129	Y	
1	12/29/91	3	1		125.2	N	
1	12/29/91	4	1		118.7	N	
1	12/29/91	5	1		111.7	N	
1	12/29/91	6	1		79.4	N	
1	1/4/92	1	1		126.4	N	910126143-50HH-99A-J
1	1/4/92	2	1		127.2	Y	
1	1/4/92	3	1		123.8	N	
1	1/4/92	4	1		117.5	N	
1	1/4/92	5	1		110.2	N	
1	1/4/92	6	1		76	N	
1	1/11/92	1	1		126.9	N	J-910126143-14
1	1/11/92	2	1		127.5	Y	
1	1/11/92	3	1		123.6	N	
1	1/11/92	4	1		116.9	N	
1	1/11/92	5	1		109.6	N	
1	1/11/92	6	1		76.8	N	
1	1/16/92	1	1		127.3	N	J910126143-32
1	1/16/92	2	1		127.7	Y	
1	1/16/92	3	1		124.5	N	
1	1/16/92	4	1		117.5	N	
1	1/16/92	5	1		110.5	N	
1	1/16/92	6	1		77.5	N	
1	1/25/92	1	1		127.2	N	J-910126143-14
1	1/25/92	2	1		127.5	N	
1	1/25/92	3	1		123.8	Y	
1	1/25/92	4	1		117.7	N	
1	1/25/92	5	1		110.2	N	
1	1/25/92	6	1		77	N	
1	1/28/92	1	1			N	ACCESSRESTRICTED1/28-2/22DUETOBATTERYFUMEINCIDENT
1	2/24/92	1	1		128.8	N	J-900925741-79
1	2/24/92	2	1		129.1	Y	
1	2/24/92	3	1		125.2	N	
1	2/24/92	4	1		118.8	N	
1	2/24/92	5	1		110.7	N	
1	2/24/92	6	1		76.5	N	
1	2/29/92	1	1		128.3	Y	J+I-038/91012614332
1	2/29/92	2	1		128.3	N	
1	2/29/92	3	1		124.5	N	
1	2/29/92	4	1		117.6	N	
1	2/29/92	5	1		109.6	N	
1	2/29/92	6	1		75.4	N	
1	3/8/92	1	1		126.7	N	J910126143-48
1	3/8/92	2	1		129.1	Y	
1	3/8/92	3	1		125.8	N	
1	3/8/92	4	1		119.5	N	
1	3/8/92	5	1		111.6	N	
1	3/8/92	6	1		76.7	N	
1	3/15/92	1	1		129.1	N	J-910126143-32
1	3/15/92	2	1		129.2	Y	
1	3/15/92	3	1		125.9	N	
1	3/15/92	4	1		119.5	N	
1	3/15/92	5	1		110.8	N	
1	3/15/92	6	1		75.6	N	
1	3/20/92	1	1		128.7	N	J91012614332

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	3/20/92	2	1		129.1	Y	
1	3/20/92	3	1		124.9	N	
1	3/20/92	4	1		118.3	N	
1	3/20/92	5	1		109.9	N	
1	3/20/92	6	1		74.9	N	
1	3/29/92	1	1		128.1	N	J910126143
1	3/29/92	2	1		128.2	Y	
1	3/29/92	3	1		124.4	N	
1	3/29/92	4	1		118	N	
1	3/29/92	5	1		109.7	N	
1	3/29/92	6	1		75.6	N	
1	4/3/92	1	1		126.6	N	J910126143-14
1	4/3/92	2	1		126.9	Y	
1	4/3/92	3	1		122.9	N	
1	4/3/92	4	1		116.2	N	
1	4/3/92	5	1		108.2	N	
1	4/3/92	6	1		74.1	N	
1	4/11/92	1	1		128.3	Y	J910126143-64
1	4/11/92	2	1		128.5	N	
1	4/11/92	3	1		124.6	N	
1	4/11/92	4	1		117.6	N	
1	4/11/92	5	1		109.7	N	
1	4/11/92	6	1		75.3	N	
1	4/17/92	1	1		129.1	N	J890523512-20
1	4/17/92	2	1		129.5	N	
1	4/17/92	3	1		125.4	N	
1	4/17/92	4	1		118.2	N	
1	4/17/92	5	1		110.6	N	
1	4/17/92	6	1		76.3	N	
1	4/25/92	1	1		130.5	N	J89052351220
1	4/25/92	2	1		130.9	Y	
1	4/25/92	3	1		126.8	N	
1	4/25/92	4	1		119.7	N	
1	4/25/92	5	1		111.8	N	
1	4/25/92	6	1		77.8	N	
1	4/30/92	1	1		125.6	Y	J890523512-47
1	4/30/92	2	1		125.3	N	
1	4/30/92	3	1		121.5	N	
1	4/30/92	4	1		114.7	N	
1	4/30/92	5	1		107	N	
1	4/30/92	6	1		73.1	N	
1	5/8/92	1	1		126.9	N	J910126143-48
1	5/8/92	2	1		127.3	Y	
1	5/8/92	3	1		123.2	N	
1	5/8/92	4	1		116.3	N	
1	5/8/92	5	1		108.6	N	
1	5/8/92	6	1		74.9	N	
1	5/16/92	1	1		129.4	N	J910126143-32
1	5/16/92	2	1		130.1	Y	
1	5/16/92	3	1		125.9	N	
1	5/16/92	4	1		118.9	N	
1	5/16/92	5	1		111	N	
1	5/16/92	6	1		77.5	N	
1	5/24/92	1	1		127.1	N	J890523512-47
1	5/24/92	2	1		127.9	Y	
1	5/24/92	3	1		123.7	N	
1	5/24/92	4	1		116.6	N	
1	5/24/92	5	1		109.2	N	
1	5/24/92	6	1		76	N	
1	5/28/92	1	1		125.9	N	J890523512-47
1	5/28/92	2	1		126.5	Y	
1	5/28/92	3	1		122.4	N	
1	5/28/92	4	1		115.6	N	
1	5/28/92	5	1		108	N	
1	5/28/92	6	1		75.1	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	6/5/92	1	1		126	N	J910126143-50
1	6/5/92	2	1		127.2	Y	
1	6/5/92	3	1		123.1	N	
1	6/5/92	4	1		116.2	N	
1	6/5/92	5	1		108.5	N	
1	6/5/92	6	1		75.3	N	
1	6/13/92	1	1		123.5	Y	J890523512-47
1	6/13/92	2	1		124	N	
1	6/13/92	3	1		120	N	
1	6/13/92	4	1		113.2	N	
1	6/13/92	5	1		105.8	N	
1	6/13/92	6	1		73.2	N	
1	6/20/92	1	1		127.7	N	J910126143-48
1	6/20/92	2	1		128.6	Y	
1	6/20/92	3	1		124.9	N	
1	6/20/92	4	1		118	N	
1	6/20/92	5	1		110.6	N	
1	6/20/92	6	1		78.6	N	
1	6/28/92	1	1		126.9	N	JTI-042910126143-66
1	6/28/92	2	1		127.7	Y	
1	6/28/92	3	1		123.6	N	
1	6/28/92	4	1		116.9	N	
1	6/28/92	5	1		109.9	N	
1	6/28/92	6	1		78.2	N	
1	7/3/92	1	1		125.6	N	JTI-041
1	7/3/92	2	1		127	Y	
1	7/3/92	3	1		123.3	N	
1	7/3/92	4	1		116	N	
1	7/3/92	5	1		109.2	N	
1	7/3/92	6	1		76.9	N	
1	7/10/92	1	1		126.4	N	J910126143-42
1	7/10/92	2	1		127.5	Y	
1	7/10/92	3	1		123.4	N	
1	7/10/92	4	1		116.7	N	
1	7/10/92	5	1		109.6	N	
1	7/10/92	6	1		78	N	
1	7/18/92	1	1		127.4	N	J910126143-42
1	7/18/92	2	1		128.4	Y	
1	7/18/92	3	1		124.3	N	
1	7/18/92	4	1		117.6	N	
1	7/18/92	5	1		110.7	N	
1	7/18/92	6	1		79.2	N	
1	7/24/92	1	1		127.1	N	JHH-99A910126143-29
1	7/24/92	2	1		128	Y	
1	7/24/92	3	1		124.4	N	
1	7/24/92	4	1		117.9	N	
1	7/24/92	5	1		110.9	N	
1	7/24/92	6	1		79.9	N	
1	8/1/92	1	1		127.6	N	JTI-041
1	8/1/92	2	1		129	Y	
1	8/1/92	3	1		125.3	N	
1	8/1/92	4	1		118.7	N	
1	8/1/92	5	1		111.9	N	
1	8/1/92	6	1		81.2	N	
1	8/7/92	1	1		124.7	N	J890423320-42
1	8/7/92	2	1		125.7	Y	
1	8/7/92	3	1		122	N	
1	8/7/92	4	1		115.7	N	
1	8/7/92	5	1		109	N	
1	8/7/92	6	1		79	N	
1	8/15/92	1	1		125.7	N	J890423320
1	8/15/92	2	1		127.2	Y	
1	8/15/92	3	1		123.5	N	
1	8/15/92	4	1		117.2	N	
1	8/15/92	5	1		110.8	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	8/15/92	6	1		81.2	N	
1	8/21/92	1	1		125	N	J890423320-42
1	8/21/92	2	1		126	Y	
1	8/21/92	3	1		122.4	N	
1	8/21/92	4	1		116.3	N	
1	8/21/92	5	1		109.9	N	
1	8/21/92	6	1		80.2	N	
1	8/30/92	1	1		126.3	N	J890423320-42
1	8/30/92	2	1		127.7	Y	
1	8/30/92	3	1		124.1	N	
1	8/30/92	4	1		122.6	N	
1	8/30/92	5	1		111.7	N	
1	8/30/92	6	1		82.4	N	
1	9/6/92	1	1		128	N	J890423320-422NDRDG
1	9/6/92	2	1		130	Y	
1	9/6/92	3	1		126	N	
1	9/6/92	4	1		120	N	
1	9/6/92	5	1		114	N	
1	9/6/92	6	1		86	N	
1	9/12/92	1	1		126.4	N	J890423320-42
1	9/12/92	2	1		127.5	Y	
1	9/12/92	3	1		123.9	N	
1	9/12/92	4	1		118.2	N	
1	9/12/92	5	1		111.9	N	
1	9/12/92	6	1		82.9	N	
1	9/20/92	1	1		126.6	N	J910126143-64
1	9/20/92	2	1		127.3	Y	
1	9/20/92	3	1		123.5	N	
1	9/20/92	4	1		117.6	N	
1	9/20/92	5	1		111.4	N	
1	9/20/92	6	1		82.3	N	
1	9/26/92	1	1		124.8	N	J910126143-64
1	9/26/92	2	1		125.7	Y	
1	9/26/92	3	1		122.1	N	
1	9/26/92	4	1		116.1	N	
1	9/26/92	5	1		110	N	
1	9/26/92	6	1		81.1	N	
2	9/30/92	1	1		117.4	Y	K817-13-55-001
2	9/30/92	2	1		112.9	N	
2	9/30/92	3	1		109.5	N	
2	9/30/92	4	1		94.7	N	
2	9/30/92	5	1		86.4	N	
2	9/30/92	6	1		86.2	N	NEWTEMPERATURETREETREE#2
1	10/3/92	1	1		127.3	N	J890523512-20
1	10/3/92	2	1		128.5	Y	
1	10/3/92	3	1		124.9	N	
1	10/3/92	4	1		118.8	N	
1	10/3/92	5	1		112.6	N	
1	10/3/92	6	1		83.4	N	
2	10/8/92	1	1		115	Y	817-13-55-006TREE#2
2	10/8/92	2	1		112	N	
2	10/8/92	3	1		107	N	
2	10/8/92	4	1		93	N	
2	10/8/92	5	1		85	N	
2	10/8/92	6	1		84	N	
1	10/10/92	1	1		126	N	J910126143-48
1	10/10/92	2	1		126.9	Y	
1	10/10/92	3	1		123.4	N	
1	10/10/92	4	1		117.7	N	
1	10/10/92	5	1		111.5	N	
1	10/10/92	6	1		82.4	N	
2	10/12/92	1	1		115.3	Y	817-13-55-001TREE#2
2	10/12/92	2	1		112.1	N	
2	10/12/92	3	1		106.4	N	
2	10/12/92	4	1		93.5	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
2	10/12/92	5	1		84.5	N	
2	10/12/92	6	1		83.8	N	
1	10/18/92	1	1		126.2	N	J910125143-40
1	10/18/92	2	1		126.8	Y	
1	10/18/92	3	1		123.2	N	
1	10/18/92	4	1		117.3	N	
1	10/18/92	5	1		111.2	N	
1	10/18/92	6	1		82	N	
2	10/20/92	1	1		116.6	Y	k817-13-55-01TREE#2
2	10/20/92	2	1		114.6	N	
2	10/20/92	3	1		109.3	N	
2	10/20/92	4	1		95.5	N	
2	10/20/92	6	1		86.5	N	
1	10/24/92	1	1		126.9	N	J910126143-66
1	10/24/92	2	1		127.6	Y	
1	10/24/92	3	1		124.1	N	
1	10/24/92	4	1		118.2	N	
1	10/24/92	5	1		112	N	
1	10/24/92	6	1		82.2	N	
2	10/27/92	1	1		116.2	Y	k817-13-55-001TREE#2
2	10/27/92	2	1		115.2	N	
2	10/27/92	3	1		109.6	N	
2	10/27/92	4	1		96.5	N	
2	10/27/92	5	1		87.6	N	
2	10/27/92	6	1		86.1	N	
1	10/28/92	1	1		127.4	N	J91012614366
1	10/28/92	2	1		127.8	Y	
1	10/28/92	3	1		124.3	N	
1	10/28/92	4	1		118.4	N	
1	10/28/92	5	1		112.2	N	
1	10/28/92	6	1		82.9	N	
1	11/1/92	1	1		128.6	N	TMACS
2	11/1/92	1	1		115.8	Y	TMACSTREE#2
1	11/1/92	2	1		129.7	Y	
2	11/1/92	2	1		112.4	N	
1	11/1/92	3	1		126.5	N	
2	11/1/92	3	1		107.9	N	
1	11/1/92	4	1		120.7	N	
2	11/1/92	4	1		95.5	N	
1	11/1/92	5	1		115.3	N	
2	11/1/92	5	1		86.1	N	
1	11/1/92	6	1		86.3	N	
2	11/1/92	6	1		86.3	N	
1	11/8/92	1	1		128.8	N	TMACS
2	11/8/92	1	1		116.2	Y	TMACSTREE#2
1	11/8/92	2	1		129.7	Y	
2	11/8/92	2	1		112.4	N	
1	11/8/92	3	1		126.3	N	
2	11/8/92	3	1		107.7	N	
1	11/8/92	4	1		121.1	N	
2	11/8/92	4	1		95.3	N	
1	11/8/92	5	1		115.3	N	
2	11/8/92	5	1		85.6	N	
1	11/8/92	6	1		86.1	N	
2	11/8/92	6	1		86	N	
1	11/15/92	1	1		129	N	TMACS
2	11/15/92	1	1		115.5	Y	TMACS
1	11/15/92	2	1		129.7	Y	
2	11/15/92	2	1		111.9	N	
1	11/15/92	3	1		126.5	N	
2	11/15/92	3	1		107.4	N	
1	11/15/92	4	1		121.2	N	
2	11/15/92	4	1		95.1	N	
1	11/15/92	5	1		115.5	N	
2	11/15/92	5	1		84.9	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	11/15/92	6	1		86	N	
2	11/15/92	6	1		85.2	N	
1	11/20/92	1	1		126.1	N	J910126143-48
1	11/20/92	2	1		126.4	Y	
1	11/20/92	3	1		122.8	N	
1	11/20/92	4	1		116.9	N	
1	11/20/92	5	1		110.7	N	
1	11/20/92	6	1		80.4	N	
1	11/22/92	1	1		129.2	N	TMACS
2	11/22/92	1	1		116.2	Y	TMACS
1	11/22/92	2	1		129.9	Y	
2	11/22/92	2	1		112.4	N	
1	11/22/92	3	1		126.6	N	
2	11/22/92	3	1		108.1	N	
1	11/22/92	4	1		121.2	N	
2	11/22/92	4	1		95.7	N	
1	11/22/92	5	1		115.5	N	
2	11/22/92	5	1		85.2	N	
1	11/22/92	6	1		85.6	N	
2	11/22/92	6	1		85.1	N	
1	11/29/92	1	1		129.2	N	TMACS
2	11/29/92	1	1		114.9	N	TMACS
1	11/29/92	2	1		129.9	Y	
2	11/29/92	2	1		112.4	N	
1	11/29/92	3	1		126.6	N	
2	11/29/92	3	1		107.6	N	
1	11/29/92	4	1		121.4	N	
2	11/29/92	4	1		95.5	N	
1	11/29/92	5	1		115.7	N	
2	11/29/92	5	1		84.3	N	
1	11/29/92	6	1		85.2	N	
2	11/29/92	6	1		84.5	N	
1	12/6/92	1	1		129.2	N	TMACSRISER1
2	12/6/92	1	1		115.8	Y	TMACSRISER10B
1	12/6/92	2	1		129.9	Y	
2	12/6/92	2	1		112.6	N	
1	12/6/92	3	1		126.6	N	
2	12/6/92	3	1		107.7	N	
1	12/6/92	4	1		121.4	N	
2	12/6/92	4	1		95.1	N	
1	12/6/92	5	1		115.5	N	
2	12/6/92	5	1		83.8	N	
1	12/6/92	6	1		84.9	N	
2	12/6/92	6	1		83.8	N	
1	12/13/92	1	1		129.2	N	TMACS
2	12/13/92	1	1		115.5	Y	TMACS
1	12/13/92	2	1		129.7	Y	
2	12/13/92	2	1		112.1	N	
1	12/13/92	3	1		126.6	N	
2	12/13/92	3	1		107.4	N	
1	12/13/92	4	1		121.2	N	
2	12/13/92	4	1		94.8	N	
1	12/13/92	5	1		115.3	N	
2	12/13/92	5	1		83.3	N	
1	12/13/92	6	1		84.2	N	
2	12/13/92	6	1		83.4	N	
1	12/20/92	1	1		129.2	N	TMACS
2	12/20/92	1	1		115.7	Y	TMACS
1	12/20/92	2	1		129.7	Y	
2	12/20/92	2	1		112.1	N	
1	12/20/92	3	1		126.6	N	
2	12/20/92	3	1		107.7	N	
1	12/20/92	4	1		121.1	N	
2	12/20/92	4	1		95	N	
1	12/20/92	5	1		114.9	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
2	12/20/92	5	1		82.4	N	
1	12/20/92	6	1		83.6	N	
2	12/20/92	6	1		82.5	N	
1	12/27/92	1	1		128.8	N	TMACS
2	12/27/92	1	1		115.5	Y	TMACS
1	12/27/92	2	1		129.5	Y	
2	12/27/92	2	1		112.2	N	
1	12/27/92	3	1		126.5	N	
2	12/27/92	3	1		107.6	N	
1	12/27/92	4	1		120.9	N	
2	12/27/92	4	1		94.8	N	
1	12/27/92	5	1		114.6	N	
2	12/27/92	5	1		82.4	N	
1	12/27/92	6	1		82.9	N	
2	12/27/92	6	1		82	N	
1	1/3/93	1	1		129.3	N	TMACS
2	1/3/93	1	1		115.3	Y	TMACS
1	1/3/93	2	1		130.1	Y	
2	1/3/93	2	1		111.2	N	
1	1/3/93	3	1		126.6	N	
2	1/3/93	3	1		106.5	N	
1	1/3/93	4	1		121.1	N	
2	1/3/93	4	1		93.7	N	
1	1/3/93	5	1		114.9	N	
2	1/3/93	5	1		80.7	N	
1	1/3/93	6	1		82.5	N	
2	1/3/93	6	1		80.9	N	
1	1/10/93	1	1		129.7	N	TMACS
2	1/10/93	1	1		115.5	Y	TMACS
1	1/10/93	2	1		130.1	Y	
2	1/10/93	2	1		111.5	N	
1	1/10/93	3	1		127.2	N	
2	1/10/93	3	1		107	N	
1	1/10/93	4	1		121.2	N	
2	1/10/93	4	1		93.7	N	
1	1/10/93	5	1		114.9	N	
2	1/10/93	5	1		80.7	N	
1	1/10/93	6	1		82.2	N	
2	1/10/93	6	1		80.4	N	
1	1/17/93	1	1		128.6	N	TMACS
2	1/17/93	1	1		116.2	Y	TMACS
1	1/17/93	2	1		129.2	Y	
2	1/17/93	2	1		111.7	N	
1	1/17/93	3	1		125.9	N	
2	1/17/93	3	1		107	N	
1	1/17/93	4	1		120.2	N	
2	1/17/93	4	1		93.5	N	
1	1/17/93	5	1		113.7	N	
2	1/17/93	5	1		80.4	N	
1	1/17/93	6	1		80.6	N	
2	1/17/93	6	1		80.6	N	
1	1/24/93	1	1		128.6	N	TMACS
2	1/24/93	1	1		116	Y	TMACS
1	1/24/93	2	1		129	Y	
2	1/24/93	2	1		111.5	N	
1	1/24/93	3	1		125.6	N	
2	1/24/93	3	1		106.8	N	
1	1/24/93	4	1		119.8	N	
2	1/24/93	4	1		93.5	N	
1	1/24/93	5	1		113	N	
2	1/24/93	5	1		79.5	N	
1	1/24/93	6	1		79.5	N	
2	1/24/93	6	1		79.3	N	
1	1/31/93	1	1		129.2	N	TMACS
1	1/31/93	2	1		129.56	Y	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	1/31/93	3	1		126.32	N	
1	1/31/93	4	1		120.2	N	
1	1/31/93	5	1		113.54	N	
1	1/31/93	6	1		80.06	N	
1	2/8/93	1	1		129.38	Y	TMACS
1	2/8/93	2	1		129.38	N	
1	2/8/93	3	1		125.96	N	
1	2/8/93	4	1		120.38	N	
1	2/8/93	5	1		113.36	N	
1	2/8/93	6	1		79.34	N	
1	2/15/93	1	1		129.2	N	TMACS
1	2/15/93	2	1		129.4	Y	
1	2/15/93	3	1		126	N	
1	2/15/93	4	1		119.8	N	
1	2/15/93	5	1		113	N	
1	2/15/93	6	1		79	N	
1	2/21/93	1	1		128.66	N	TMACS
1	2/21/93	2	1		129.02	Y	
1	2/21/93	3	1		125.6	N	
1	2/21/93	4	1		119.66	N	
1	2/21/93	5	1		112.64	N	
1	2/21/93	6	1		78.26	N	
1	3/1/93	1	1		128.66	N	TMACS
1	3/1/93	2	1		129.02	Y	
1	3/1/93	3	1		125.6	N	
1	3/1/93	4	1		119.3	N	
1	3/1/93	5	1		112.64	N	
1	3/1/93	6	1		77.72	N	
1	3/8/93	1	1		128.66	N	TMACS
1	3/8/93	2	1		129.02	Y	
1	3/8/93	3	1		125.42	N	
1	3/8/93	4	1		119.3	N	
1	3/8/93	5	1		112.28	N	
1	3/8/93	6	1		77.18	N	
1	3/15/93	1	1		128.84	Y	TMACS
1	3/15/93	2	1		128.84	N	
1	3/15/93	3	1		125.6	N	
1	3/15/93	4	1		119.12	N	
1	3/15/93	5	1		111.92	N	
1	3/15/93	6	1		77	N	
1	3/22/93	1	1		128.66	N	TMACS
1	3/22/93	2	1		128.84	Y	
1	3/22/93	3	1		125.24	N	
1	3/22/93	4	1		118.94	N	
1	3/22/93	5	1		111.92	N	
1	3/22/93	6	1		76.82	N	
1	3/29/93	1	1		128.66	N	TMACS
1	3/29/93	2	1		129.02	Y	
1	3/29/93	3	1		125.24	N	
1	3/29/93	4	1		119.12	N	
1	3/29/93	5	1		111.92	N	
1	3/29/93	6	1		76.64	N	
1	3/31/93	1	1		128.3	Y	TMACS
2	3/31/93	1	1		114.98	Y	TMACS
1	3/31/93	2	1		128.66	N	
2	3/31/93	2	1		110.84	N	
1	3/31/93	3	1		124.7	N	
2	3/31/93	3	1		105.62	N	
1	3/31/93	4	1		118.76	N	
2	3/31/93	4	1		92.12	N	
1	3/31/93	5	1		111.2	N	
2	3/31/93	5	1		77	N	
1	3/31/93	6	1		76.1	N	
2	3/31/93	6	1		76.1	N	
1	4/5/93	1	1		128.12	N	TMACS

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
2	4/5/93	1	1		114.98	Y	TMACS
1	4/5/93	2	1		128.48	Y	
2	4/5/93	2	1		111.02	N	
1	4/5/93	3	1		124.88	N	
2	4/5/93	3	1		105.44	N	
1	4/5/93	4	1		118.4	N	
2	4/5/93	4	1		91.76	N	
1	4/5/93	5	1		111.56	N	
2	4/5/93	5	1		76.82	N	
1	4/5/93	6	1		76.1	N	
2	4/5/93	6	1		76.1	N	
1	4/12/93	1	1		128.66	N	TMAC
2	4/12/93	1	1		114.8	Y	TMAC
1	4/12/93	2	1		128.84	Y	
2	4/12/93	2	1		110.48	N	
1	4/12/93	3	1		125.06	N	
2	4/12/93	3	1		104.72	N	
1	4/12/93	4	1		118.94	N	
2	4/12/93	4	1		91.22	N	
1	4/12/93	5	1		111.74	N	
2	4/12/93	5	1		77	N	
1	4/12/93	6	1		76.46	N	
2	4/12/93	6	1		75.74	N	
1	4/19/93	1	1		128.12	N	TMACS
2	4/19/93	1	1		114.98	Y	TMACS
1	4/19/93	2	1		128.48	Y	
2	4/19/93	2	1		110.66	N	
1	4/19/93	3	1		124.7	N	
2	4/19/93	3	1		105.26	N	
1	4/19/93	4	1		118.4	N	
2	4/19/93	4	1		91.94	N	
1	4/19/93	5	1		111.2	N	
2	4/19/93	5	1		77	N	
1	4/19/93	6	1		76.1	N	
2	4/19/93	6	1		76.1	N	
1	4/25/93	1	1		128.12	N	TMACS
2	4/25/93	1	1		114.98	Y	TMACS
1	4/25/93	2	1		128.48	Y	
2	4/25/93	2	1		110.66	N	
1	4/25/93	3	1		124.7	N	
2	4/25/93	3	1		105.26	N	
1	4/25/93	4	1		118.22	N	
2	4/25/93	4	1		91.77	N	
1	4/25/93	5	1		110.84	N	
2	4/25/93	5	1		77.18	N	
1	4/25/93	6	1		75.92	N	
2	4/25/93	6	1		75.92	N	
1	5/3/93	1	1		127.76	N	TMACS
2	5/3/93	1	1		114.98	Y	TMACS
1	5/3/93	2	1		127.94	Y	
2	5/3/93	2	1		110.66	N	
1	5/3/93	3	1		124.34	N	
2	5/3/93	3	1		105.44	N	
1	5/3/93	4	1		117.86	N	
2	5/3/93	4	1		91.4	N	
1	5/3/93	5	1		111.2	N	
2	5/3/93	5	1		77.54	N	
1	5/3/93	6	1		75.92	N	
2	5/3/93	6	1		76.46	N	
1	5/10/93	1	1		128.12	N	TMACS
2	5/10/93	1	1		115.16	Y	TMACS
1	5/10/93	2	1		128.48	Y	
2	5/10/93	2	1		111.02	N	
1	5/10/93	3	1		124.7	N	
2	5/10/93	3	1		105.44	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	5/10/93	4	1		118.22	N	
2	5/10/93	4	1		91.94	N	
1	5/10/93	5	1		111.2	N	
2	5/10/93	5	1		77.9	N	
1	5/10/93	6	1		76.82	N	
2	5/10/93	6	1		76.82	N	
1	5/17/93	1	1		127.4	Y	TMACS
2	5/17/93	1	1		114.98	Y	TMACS
1	5/17/93	2	1		127.4	N	
2	5/17/93	2	1		110.84	N	
1	5/17/93	3	1		123.98	N	
2	5/17/93	3	1		105.26	N	
1	5/17/93	4	1		117.32	N	
2	5/17/93	4	1		91.94	N	
1	5/17/93	5	1		110.3	N	
2	5/17/93	5	1		77.9	N	
1	5/17/93	6	1		76.1	N	
2	5/17/93	6	1		76.64	N	
1	6/7/93	1	1		127.4	N	TMACS
2	6/7/93	1	1		115.52	Y	TMACS
1	6/7/93	2	1		127.76	Y	
2	6/7/93	2	1		111.2	N	
1	6/7/93	3	1		124.34	N	
2	6/7/93	3	1		105.62	N	
1	6/7/93	4	1		118.04	N	
2	6/7/93	4	1		92.84	N	
1	6/7/93	5	1		111.02	N	
2	6/7/93	5	1		79.7	N	
1	6/7/93	6	1		77.72	N	
2	6/7/93	6	1		78.44	N	
1	6/14/93	1	1		126.86	N	TMACS
2	6/14/93	1	1		114.8	Y	TMACS
1	6/14/93	2	1		127.22	Y	
2	6/14/93	2	1		110.66	N	
1	6/14/93	3	1		123.62	N	
2	6/14/93	3	1		105.26	N	
1	6/14/93	4	1		117.14	N	
2	6/14/93	4	1		92.66	N	
1	6/14/93	5	1		110.48	N	
2	6/14/93	5	1		79.52	N	
1	6/14/93	6	1		77.54	N	
2	6/14/93	6	1		78.26	N	
1	6/21/93	1	1		127.04	N	TMACS
2	6/21/93	1	1		115.52	Y	TMACS
1	6/21/93	2	1		127.4	Y	
2	6/21/93	2	1		111.38	N	
1	6/21/93	3	1		123.62	N	
2	6/21/93	3	1		106.34	N	
1	6/21/93	4	1		117.32	N	
2	6/21/93	4	1		93.56	N	
1	6/21/93	5	1		110.84	N	
2	6/21/93	5	1		80.78	N	
1	6/21/93	6	1		78.08	N	
2	6/21/93	6	1		79.7	N	
1	6/28/93	1	1		127.04	N	TMACS
2	6/28/93	1	1		114.98	Y	TMACS
1	6/28/93	2	1		127.76	Y	
2	6/28/93	2	1		110.84	N	
1	6/28/93	3	1		124.16	N	
2	6/28/93	3	1		105.8	N	
1	6/28/93	4	1		117.86	N	
2	6/28/93	4	1		93.56	N	
1	6/28/93	5	1		111.38	N	
2	6/28/93	5	1		80.6	N	
1	6/28/93	6	1		78.98	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
2	6/28/93	6	1		79.7	N	
1	7/5/93	1	1		127.22	N	TMACS
2	7/5/93	1	1		114.8	Y	TMACS
1	7/5/93	2	1		127.94	Y	
2	7/5/93	2	1		110.66	N	
1	7/5/93	3	1		124.16	N	
2	7/5/93	3	1		105.26	N	
1	7/5/93	4	1		118.04	N	
2	7/5/93	4	1		93.38	N	
1	7/5/93	5	1		111.74	N	
2	7/5/93	5	1		81.14	N	
1	7/5/93	6	1		79.88	N	
2	7/5/93	6	1		79.7	N	
1	7/12/93	1	1		127.4	N	TMACS
2	7/12/93	1	1		114.8	Y	TMACS
1	7/12/93	2	1		128.12	Y	
2	7/12/93	2	1		110.66	N	
1	7/12/93	3	1		124.52	N	
2	7/12/93	3	1		105.44	N	
1	7/12/93	4	1		118.4	N	
2	7/12/93	4	1		93.74	N	
1	7/12/93	5	1		111.92	N	
2	7/12/93	5	1		81.5	N	
1	7/12/93	6	1		80.42	N	
2	7/12/93	6	1		80.06	N	
1	7/18/93	1	1		126.32	N	TMACS
2	7/18/93	1	1		114.8	Y	TMACS
1	7/18/93	2	1		127.22	Y	
2	7/18/93	2	1		110.84	N	
1	7/18/93	3	1		123.98	N	
2	7/18/93	3	1		106.16	N	
1	7/18/93	4	1		117.68	N	
2	7/18/93	4	1		94.82	N	
1	7/18/93	5	1		111.56	N	
2	7/18/93	5	1		82.22	N	
1	7/18/93	6	1		79.88	N	
2	7/18/93	6	1		81.14	N	
1	7/26/93	1	1		126.32	N	TMACS
2	7/26/93	1	1		114.62	Y	TMACS
1	7/26/93	2	1		127.4	Y	
2	7/26/93	2	1		110.66	N	
1	7/26/93	3	1		123.98	N	
2	7/26/93	3	1		106.16	N	
1	7/26/93	4	1		117.86	N	
2	7/26/93	4	1		94.64	N	
1	7/26/93	5	1		111.56	N	
2	7/26/93	5	1		82.4	N	
1	7/26/93	6	1		80.42	N	
2	7/26/93	6	1		81.5	N	
1	8/1/93	1	1		126.14	N	TMACS
2	8/1/93	1	1		114.98	Y	TMACS
1	8/1/93	2	1		127.4	Y	
2	8/1/93	2	1		110.84	N	
1	8/1/93	3	1		123.8	N	
2	8/1/93	3	1		105.98	N	
1	8/1/93	4	1		117.68	N	
2	8/1/93	4	1		95	N	
1	8/1/93	5	1		111.56	N	
2	8/1/93	5	1		82.76	N	
1	8/1/93	6	1		80.78	N	
2	8/1/93	6	1		81.32	N	
1	8/9/93	1	1		126.5	N	TMACS
2	8/9/93	1	1		115.34	Y	TMACS
1	8/9/93	2	1		127.76	Y	
2	8/9/93	2	1		111.56	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	8/9/93	3	1		124.16	N	
2	8/9/93	3	1		106.7	N	
1	8/9/93	4	1		118.4	N	
2	8/9/93	4	1		95.9	N	
1	8/9/93	5	1		112.46	N	
2	8/9/93	5	1		83.84	N	
1	8/9/93	6	1		82.22	N	
2	8/9/93	6	1		82.94	N	
1	8/15/93	1	1		125.96	N	tmacs
2	8/15/93	1	1		114.44	Y	tmacs
1	8/15/93	2	1		127.22	Y	
2	8/15/93	2	1		110.66	N	
1	8/15/93	3	1		123.8	N	
2	8/15/93	3	1		105.98	N	
1	8/15/93	4	1		117.86	N	
2	8/15/93	4	1		95.54	N	
1	8/15/93	5	1		111.92	N	
2	8/15/93	5	1		83.3	N	
1	8/15/93	6	1		81.5	N	
2	8/15/93	6	1		82.04	N	
1	8/23/93	1	1		126.32	N	TMACS
2	8/23/93	1	1		114.98	Y	TMACS
1	8/23/93	2	1		127.4	Y	
2	8/23/93	2	1		110.84	N	
1	8/23/93	3	1		123.98	N	
2	8/23/93	3	1		106.34	N	
1	8/23/93	4	1		118.04	N	
2	8/23/93	4	1		95.9	N	
1	8/23/93	5	1		112.1	N	
2	8/23/93	5	1		83.66	N	
1	8/23/93	6	1		81.86	N	
2	8/23/93	6	1		82.76	N	
1	8/26/93	1	1		126.5	N	J TYPE
2	8/26/93	1	1		114.4	Y	J TYPE
1	8/26/93	2	1		127.4	Y	
2	8/26/93	2	1		110.8	N	
1	8/26/93	3	1		124	N	
2	8/26/93	3	1		106	N	
1	8/26/93	4	1		118.2	N	
2	8/26/93	4	1		96.1	N	
1	8/26/93	5	1		112.3	N	
2	8/26/93	5	1		83.7	N	
1	8/26/93	6	1		82.4	N	
2	8/26/93	6	1		82.4	N	
1	8/30/93	1	1		126.32	N	TMACS
2	8/30/93	1	1		114.44	Y	TMACS
1	8/30/93	2	1		127.58	Y	
2	8/30/93	2	1		110.66	N	
1	8/30/93	3	1		123.98	N	
2	8/30/93	3	1		105.98	N	
1	8/30/93	4	1		118.4	N	
2	8/30/93	4	1		95.72	N	
1	8/30/93	5	1		112.64	N	
2	8/30/93	5	1		83.84	N	
1	8/30/93	6	1		82.72	N	
2	8/30/93	6	1		82.76	N	
1	9/6/93	1	1		125.78	N	TMACS
2	9/6/93	1	1		114.8	Y	TMACS
1	9/6/93	2	1		127.04	Y	
2	9/6/93	2	1		111.2	N	
1	9/6/93	3	1		123.98	N	
2	9/6/93	3	1		106.7	N	
1	9/6/93	4	1		118.04	N	
2	9/6/93	4	1		96.62	N	
1	9/6/93	5	1		112.28	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104 THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
2	9/6/93	5	1		84.74	N	
1	9/6/93	6	1		82.98	N	
2	9/6/93	6	1		83.48	N	
1	9/12/93	1	1		126.32	N	TMACS
2	9/12/93	1	1		114.44	Y	TMACS
1	9/12/93	2	1		127.76	Y	
2	9/12/93	2	1		111.02	N	
1	9/12/93	3	1		124.16	N	
2	9/12/93	3	1		106.52	N	
1	9/12/93	4	1		118.76	N	
2	9/12/93	4	1		96.44	N	
1	9/12/93	5	1		113.18	N	
2	9/12/93	5	1		84.74	N	
1	9/12/93	6	1		83.66	N	
2	9/12/93	6	1		83.66	N	
1	9/19/93	1	1		126.5	N	TMACS
2	9/19/93	1	1		114.08	Y	TMACS
1	9/19/93	2	1		127.58	N	
2	9/19/93	2	1		110.84	N	
1	9/19/93	3	1		123.98	N	
2	9/19/93	3	1		106.52	N	
1	9/19/93	4	1		118.58	N	
2	9/19/93	4	1		96.98	N	
1	9/19/93	5	1		113	N	
2	9/19/93	5	1		84.56	N	
1	9/19/93	6	1		83.84	N	
2	9/19/93	6	1		83.66	N	
1	9/26/93	1	1		126.5	N	TMACS
2	9/26/93	1	1		114.62	Y	TMACS
1	9/26/93	2	1		127.58	Y	
2	9/26/93	2	1		111.2	N	
1	9/26/93	3	1		124.16	N	
2	9/26/93	3	1		106.7	N	
1	9/26/93	4	1		118.76	N	
2	9/26/93	4	1		97.16	N	
1	9/26/93	5	1		113	N	
2	9/26/93	5	1		84.92	N	
1	9/26/93	6	1		84.02	N	
2	9/26/93	6	1		84.2	N	
1	10/3/93	1	1		126.68	N	TMACS
2	10/3/93	1	1		114.62	Y	TMACS
1	10/3/93	2	1		127.76	Y	
2	10/3/93	2	1		111.02	N	
1	10/3/93	3	1		124.34	N	
2	10/3/93	3	1		106.88	N	
1	10/3/93	4	1		119.12	N	
2	10/3/93	4	1		97.34	N	
1	10/3/93	5	1		113.36	N	
2	10/3/93	5	1		85.28	N	
1	10/3/93	6	1		84.2	N	
2	10/3/93	6	1		84.38	N	
1	10/10/93	1	1		126.68	N	TMACS
2	10/10/93	1	1		114.26	Y	TMACS
1	10/10/93	2	1		127.76	Y	
2	10/10/93	2	1		110.84	N	
1	10/10/93	3	1		124.16	N	
2	10/10/93	3	1		106.7	N	
1	10/10/93	4	1		118.94	N	
2	10/10/93	4	1		97.16	N	
1	10/10/93	5	1		113.36	N	
2	10/10/93	5	1		85.1	N	
1	10/10/93	6	1		84.38	N	
2	10/10/93	6	1		84.02	N	
1	10/19/93	1	1		126.7	N	TMACS
2	10/19/93	1	1		114.1	Y	TMACS

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-104							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO#	TREE SET#	TEMP C	TEMP F	Y=MAXTEMP	COMMENTS
1	10/19/93	2	1		127.4	Y	
2	10/19/93	2	1		110.8	N	
1	10/19/93	3	1		124.3	N	
2	10/19/93	3	1		106.9	N	
1	10/19/93	4	1		118.8	N	
2	10/19/93	4	1		97	N	
1	10/19/93	5	1		113.2	N	
2	10/19/93	5	1		84.9	N	
1	10/19/93	6	1		84.2	N	
2	10/19/93	6	1		83.8	N	
1	10/25/93	1	1		127.04	N	TMACS
2	10/25/93	1	1		114.44	Y	TMACS
1	10/25/93	2	1		127.76	Y	
2	10/25/93	2	1		111.38	N	
1	10/25/93	3	1		124.34	N	
2	10/25/93	3	1		107.06	N	
1	10/25/93	4	1		119.3	N	
2	10/25/93	4	1		97.34	N	
1	10/25/93	5	1		113.72	N	
2	10/25/93	5	1		85.1	N	
1	10/25/93	6	1		84.56	N	
2	10/25/93	6	1		84.2	N	
1	11/1/93	1	1		127.04	N	TMACS
2	11/1/93	1	1		114.08	Y	TMACS
1	11/1/93	2	1		128.12	Y	
2	11/1/93	2	1		110.48	N	
1	11/1/93	3	1		124.52	N	
2	11/1/93	3	1		106.52	N	
1	11/1/93	4	1		119.3	N	
2	11/1/93	4	1		96.8	N	
1	11/1/93	5	1		113.72	N	
2	11/1/93	5	1		84.74	N	
1	11/1/93	6	1		84.56	N	
2	11/1/93	6	1		83.48	N	
1	11/8/93	1	1		127.22	N	TMACS
2	11/8/93	1	1		114.26	Y	TMACS
1	11/8/93	2	1		127.94	Y	
2	11/8/93	2	1		111.02	N	
1	11/8/93	3	1		124.7	N	
2	11/8/93	3	1		107.24	N	
1	11/8/93	4	1		119.84	N	
2	11/8/93	4	1		97.16	N	
1	11/8/93	5	1		113.9	N	
2	11/8/93	5	1		85.1	N	
1	11/8/93	6	1		84.74	N	
2	11/8/93	6	1		84.02	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	9/12/74	1	1	80	176	Y	degree C/TWINS confirm
1	9/12/74	2	1	72	161.6	N	degree C/TWINS confirm
1	9/12/74	3	1	64	147.2	N	degree C/TWINS confirm
1	9/12/74	4	1	54	129.2	N	degree C/TWINS confirm
1	9/12/74	5	1	44	111.2	N	degree C/TWINS confirm
1	9/12/74	6	1	38	100.4	N	degree C/TWINS confirm
1	9/12/74	7	1	38	100.4	N	degree C/TWINS confirm
1	9/12/74	8	1	38	100.4	N	degree C/TWINS confirm
1	9/12/74	9	1	36	96.8	N	degree C/TWINS confirm
1	9/12/74	10	1	34	93.2	N	degree C/TWINS confirm
1	9/12/74	11	1	32	89.6	N	degree C/TWINS confirm
1	9/12/74	12	1	32	89.6	N	degree C/TWINS confirm
1	10/8/74	1	1	70	158	Y	degree C/TWINS confirm
1	10/8/74	2	1	63	145.4	N	degree C/TWINS confirm
1	10/8/74	3	1	58	136.4	N	degree C/TWINS confirm
1	10/8/74	4	1	50	122	N	degree C/TWINS confirm
1	10/8/74	5	1	44	111.2	N	degree C/TWINS confirm
1	10/8/74	6	1	42	107.6	N	degree C/TWINS confirm
1	10/8/74	7	1	38	100.4	N	degree C/TWINS confirm
1	10/8/74	8	1	34	93.2	N	degree C/TWINS confirm
1	10/8/74	9	1	30	86	N	degree C/TWINS confirm
1	10/8/74	10	1	25	77	N	degree C/TWINS confirm
1	10/8/74	11	1	25	77	N	degree C/TWINS confirm
1	10/8/74	12	1	25	77	N	degree C/TWINS confirm
1	10/29/74	1	1	63	145.4	Y	degree C/TWINS confirm
1	10/29/74	2	1	63	145.4	N	degree C/TWINS confirm
1	10/29/74	3	1	60	140	N	degree C/TWINS confirm
1	10/29/74	4	1	54	129.2	N	degree C/TWINS confirm
1	10/29/74	5	1	50	122	N	degree C/TWINS confirm
1	10/29/74	6	1	44	111.2	N	degree C/TWINS confirm
1	10/29/74	7	1	42	107.6	N	degree C/TWINS confirm
1	10/29/74	8	1	37	98.6	N	degree C/TWINS confirm
1	10/29/74	9	1	31	87.8	N	degree C/TWINS confirm
1	10/29/74	10	1	31	87.8	N	degree C/TWINS confirm
1	10/29/74	11	1	26	78.8	N	degree C/TWINS confirm
1	10/29/74	12	1	26	78.8	N	degree C/TWINS confirm
1	11/26/74	1	1	66	150.8	Y	degree C/TWINS confirm
1	11/26/74	2	1	60	140	N	degree C/TWINS confirm
1	11/26/74	3	1	56	132.8	N	degree C/TWINS confirm
1	11/26/74	4	1	50	122	N	degree C/TWINS confirm
1	11/26/74	5	1	45	113	N	degree C/TWINS confirm
1	11/26/74	6	1	41	105.8	N	degree C/TWINS confirm
1	11/26/74	7	1	37	98.6	N	degree C/TWINS confirm
1	11/26/74	8	1	32	89.6	N	degree C/TWINS confirm
1	11/26/74	9	1	25	77	N	degree C/TWINS confirm
1	11/26/74	10	1	16	60.8	N	degree C/TWINS confirm
1	11/26/74	11	1	16	60.8	N	degree C/TWINS confirm
1	11/26/74	12	1	16	60.8	N	degree C/TWINS confirm
1	12/11/74	1	1	62.78	145.004	Y	degree C/TWINS confirm
1	12/11/74	2	1	57.78	136.004	N	degree C/TWINS confirm
1	12/11/74	3	1	53.89	129.002	N	degree C/TWINS confirm
1	12/11/74	4	1	48.89	120.002	N	degree C/TWINS confirm
1	12/11/74	5	1	42.78	109.004	N	degree C/TWINS confirm
1	12/11/74	6	1	38.89	102.002	N	degree C/TWINS confirm
1	12/11/74	7	1	28.33	82.994	N	degree C/TWINS confirm
1	12/11/74	8	1	26.67	80.006	N	degree C/TWINS confirm
1	12/11/74	9	1	19.44	66.992	N	degree C/TWINS confirm
1	12/11/74	10	1	12.78	55.004	N	degree C/TWINS confirm
1	12/11/74	11	1	12.22	53.996	N	degree C/TWINS confirm
1	12/11/74	12	1	12.78	55.004	N	degree C/TWINS confirm
1	12/17/74	1	1	65.56	150.008	Y	degree C/TWINS confirm
1	12/17/74	2	1	60	140	N	degree C/TWINS confirm
1	12/17/74	3	1	56.67	134.006	N	degree C/TWINS confirm
1	12/17/74	4	1	51.11	123.998	N	degree C/TWINS confirm
1	12/17/74	5	1	46.11	114.998	N	degree C/TWINS confirm
1	12/17/74	6	1	41.67	107.006	N	degree C/TWINS confirm
1	12/17/74	7	1	36.67	98.006	N	degree C/TWINS confirm
1	12/17/74	8	1	30	86	N	degree C/TWINS confirm

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/17/74	9	1	22.22	71.996	N	degree C/TWINS confirm
1	12/17/74	10	1	15.56	60.008	N	degree C/TWINS confirm
1	12/17/74	11	1	15.56	60.008	N	degree C/TWINS confirm
1	12/17/74	12	1	15.56	60.008	N	degree C/TWINS confirm
1	12/31/74	1	1	65.56	150.008	Y	degree C/TWINS confirm
1	12/31/74	2	1	60	140	N	degree C/TWINS confirm
1	12/31/74	3	1	56.11	132.998	N	degree C/TWINS confirm
1	12/31/74	4	1	49.44	120.992	N	degree C/TWINS confirm
1	12/31/74	5	1	43.89	111.002	N	degree C/TWINS confirm
1	12/31/74	6	1	40.56	105.008	N	degree C/TWINS confirm
1	12/31/74	7	1	35.56	96.008	N	degree C/TWINS confirm
1	12/31/74	8	1	28.89	84.002	N	degree C/TWINS confirm
1	12/31/74	9	1	20.56	69.008	N	degree C/TWINS confirm
1	12/31/74	10	1	13.33	55.994	N	degree C/TWINS confirm
1	12/31/74	11	1	12.22	53.996	N	degree C/TWINS confirm
1	12/31/74	12	1	13.33	55.994	N	degree C/TWINS confirm
1	1/8/75	1	1	63.89	147.002	Y	degree C/TWINS confirm
1	1/8/75	2	1	58.89	138.002	N	degree C/TWINS confirm
1	1/8/75	3	1	55.56	132.008	N	degree C/TWINS confirm
1	1/8/75	4	1	50	122	N	degree C/TWINS confirm
1	1/8/75	5	1	45	113	N	degree C/TWINS confirm
1	1/8/75	6	1	41.11	105.998	N	degree C/TWINS confirm
1	1/8/75	7	1	35.56	96.008	N	degree C/TWINS confirm
1	1/8/75	8	1	28.89	84.002	N	degree C/TWINS confirm
1	1/8/75	9	1	21.11	69.998	N	degree C/TWINS confirm
1	1/8/75	10	1	14.44	57.992	N	degree C/TWINS confirm
1	1/8/75	11	1	13.33	55.994	N	degree C/TWINS confirm
1	1/8/75	12	1	13.89	57.002	N	degree C/TWINS confirm
1	1/21/75	1	1	82	179.6	Y	degree C/TWINS confirm
1	1/21/75	2	1	77	170.6	N	degree C/TWINS confirm
1	1/21/75	3	1	72	161.6	N	degree C/TWINS confirm
1	1/21/75	4	1	66	150.8	N	degree C/TWINS confirm
1	1/21/75	5	1	59	138.2	N	degree C/TWINS confirm
1	1/21/75	6	1	52	125.6	N	degree C/TWINS confirm
1	1/21/75	7	1	47	116.6	N	degree C/TWINS confirm
1	1/21/75	8	1	38	100.4	N	degree C/TWINS confirm
1	1/21/75	9	1	27	80.6	N	degree C/TWINS confirm
1	1/21/75	10	1	18	64.4	N	degree C/TWINS confirm
1	1/21/75	11	1	18	64.4	N	degree C/TWINS confirm
1	1/21/75	12	1	17	62.6	N	degree C/TWINS confirm
1	1/28/75	1	1	66	150.8	Y	degree C/TWINS confirm
1	1/28/75	2	1	62	143.6	N	degree C/TWINS confirm
1	1/28/75	3	1	58	136.4	N	degree C/TWINS confirm
1	1/28/75	4	1	52	125.6	N	degree C/TWINS confirm
1	1/28/75	5	1	47	116.6	N	degree C/TWINS confirm
1	1/28/75	6	1	43	109.4	N	degree C/TWINS confirm
1	1/28/75	7	1	38	100.4	N	degree C/TWINS confirm
1	1/28/75	8	1	30	86	N	degree C/TWINS confirm
1	1/28/75	9	1	21	69.8	N	degree C/TWINS confirm
1	1/28/75	10	1	13	55.4	N	degree C/TWINS confirm
1	1/28/75	11	1	12	53.6	N	degree C/TWINS confirm
1	1/28/75	12	1	12	53.6	N	degree C/TWINS confirm
1	2/5/75	1	1	66.67	152.006	Y	degree C/TWINS confirm
1	2/5/75	2	1	62.22	143.996	N	degree C/TWINS confirm
1	2/5/75	3	1	58.33	136.994	N	degree C/TWINS confirm
1	2/5/75	4	1	54.44	129.992	N	degree C/TWINS confirm
1	2/5/75	5	1	48.33	118.994	N	degree C/TWINS confirm
1	2/5/75	6	1	42.78	109.004	N	degree C/TWINS confirm
1	2/5/75	7	1	37.78	100.004	N	degree C/TWINS confirm
1	2/5/75	8	1	29.44	84.992	N	degree C/TWINS confirm
1	2/5/75	9	1	21.11	69.998	N	degree C/TWINS confirm
1	2/5/75	10	1	15	59	N	degree C/TWINS confirm
1	2/5/75	11	1	15	59	N	degree C/TWINS confirm
1	2/5/75	12	1	14.44	57.992	N	degree C/TWINS confirm
1	2/27/75	1	1	68	154.4	Y	degree C/TWINS confirm
1	2/27/75	2	1	63	145.4	N	degree C/TWINS confirm
1	2/27/75	3	1	60	140	N	degree C/TWINS confirm
1	2/27/75	4	1	55	131	N	degree C/TWINS confirm

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	2/27/75	5	1	50	122	N	degree C/TWINS confirm
1	2/27/75	6	1	44	111.2	N	degree C/TWINS confirm
1	2/27/75	7	1	39	102.2	N	degree C/TWINS confirm
1	2/27/75	8	1	30	86	N	degree C/TWINS confirm
1	2/27/75	9	1	20	68	N	degree C/TWINS confirm
1	2/27/75	10	1	15	59	N	degree C/TWINS confirm
1	2/27/75	11	1	15	59	N	degree C/TWINS confirm
1	2/27/75	12	1	15	59	N	degree C/TWINS confirm
1	3/18/75	1	1	70	158	Y	degree C/TWINS confirm
1	3/18/75	2	1	64	147.2	N	degree C/TWINS confirm
1	3/18/75	3	1	60	140	N	degree C/TWINS confirm
1	3/18/75	4	1	56	132.8	N	degree C/TWINS confirm
1	3/18/75	5	1	50	122	N	degree C/TWINS confirm
1	3/18/75	6	1	46	114.8	N	degree C/TWINS confirm
1	3/18/75	7	1	40	104	N	degree C/TWINS confirm
1	3/18/75	8	1	32	89.6	N	degree C/TWINS confirm
1	3/18/75	9	1	24	75.2	N	degree C/TWINS confirm
1	3/18/75	10	1	18	64.4	N	degree C/TWINS confirm
1	3/18/75	11	1	18	64.4	N	degree C/TWINS confirm
1	3/18/75	12	1	18	64.4	N	degree C/TWINS confirm
1	4/1/75	1	1	63.33	145.994	Y	degree C/TWINS confirm
1	4/1/75	2	1	58.89	138.002	N	degree C/TWINS confirm
1	4/1/75	3	1	54.44	129.992	N	degree C/TWINS confirm
1	4/1/75	4	1	48.89	120.002	N	degree C/TWINS confirm
1	4/1/75	5	1	42.22	107.996	N	degree C/TWINS confirm
1	4/1/75	6	1	36.67	98.006	N	degree C/TWINS confirm
1	4/1/75	7	1	31.67	89.006	N	degree C/TWINS confirm
1	4/1/75	8	1	30.56	87.008	N	degree C/TWINS confirm
1	4/1/75	9	1	15.56	60.008	N	degree C/TWINS confirm
1	4/1/75	10	1	11.11	51.998	N	degree C/TWINS confirm
1	4/1/75	11	1	11.11	51.998	N	degree C/TWINS confirm
1	4/1/75	12	1	11.11	51.998	N	degree C/TWINS confirm
1	4/8/75	1	1	77	170.6	Y	degree C/TWINS confirm
1	4/8/75	2	1	71	159.8	N	degree C/TWINS confirm
1	4/8/75	3	1	68	154.4	N	degree C/TWINS confirm
1	4/8/75	4	1	62	143.6	N	degree C/TWINS confirm
1	4/8/75	5	1	54	129.2	N	degree C/TWINS confirm
1	4/8/75	6	1	47	116.6	N	degree C/TWINS confirm
1	4/8/75	7	1	41	105.8	N	degree C/TWINS confirm
1	4/8/75	8	1	32	89.6	N	degree C/TWINS confirm
1	4/8/75	9	1	23	73.4	N	degree C/TWINS confirm
1	4/8/75	10	1	15	59	N	degree C/TWINS confirm
1	4/8/75	11	1	15	59	N	degree C/TWINS confirm
1	4/8/75	12	1	15	59	N	degree C/TWINS confirm
1	4/22/75	1	1	64	147.2	Y	degree C/TWINS confirm
1	4/22/75	2	1	58	136.4	N	degree C/TWINS confirm
1	4/22/75	3	1	53	127.4	N	degree C/TWINS confirm
1	4/22/75	4	1	48	118.4	N	degree C/TWINS confirm
1	4/22/75	5	1	44	111.2	N	degree C/TWINS confirm
1	4/22/75	6	1	40	104	N	degree C/TWINS confirm
1	4/22/75	7	1	36	96.8	N	degree C/TWINS confirm
1	4/22/75	8	1	28	82.4	N	degree C/TWINS confirm
1	4/22/75	9	1	22	71.6	N	degree C/TWINS confirm
1	4/22/75	10	1	16	60.8	N	degree C/TWINS confirm
1	4/22/75	11	1	16	60.8	N	degree C/TWINS confirm
1	4/22/75	12	1	16	60.8	N	degree C/TWINS confirm
1	4/29/75	1	1	62	143.6	Y	degree C/TWINS confirm
1	4/29/75	2	1	56	132.8	N	degree C/TWINS confirm
1	4/29/75	3	1	52	125.6	N	degree C/TWINS confirm
1	4/29/75	4	1	48	118.4	N	degree C/TWINS confirm
1	4/29/75	5	1	44	111.2	N	degree C/TWINS confirm
1	4/29/75	6	1	40	104	N	degree C/TWINS confirm
1	4/29/75	7	1	36	96.8	N	degree C/TWINS confirm
1	4/29/75	8	1	30	86	N	degree C/TWINS confirm
1	4/29/75	9	1	24	75.2	N	degree C/TWINS confirm
1	4/29/75	10	1	16	60.8	N	degree C/TWINS confirm
1	4/29/75	11	1	16	60.8	N	degree C/TWINS confirm
1	4/29/75	12	1	16	60.8	N	degree C/TWINS confirm

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	5/20/75	1	1	68	154.4	Y	degree C/TWINS confirm
1	5/20/75	2	1	60	140	N	degree C/TWINS confirm
1	5/20/75	3	1	56	132.8	N	degree C/TWINS confirm
1	5/20/75	4	1	50	122	N	degree C/TWINS confirm
1	5/20/75	5	1	46	114.8	N	degree C/TWINS confirm
1	5/20/75	6	1	42	107.6	N	degree C/TWINS confirm
1	5/20/75	7	1	38	100.4	N	degree C/TWINS confirm
1	5/20/75	8	1	32	89.6	N	degree C/TWINS confirm
1	5/20/75	9	1	26	78.8	N	degree C/TWINS confirm
1	5/20/75	10	1	22	71.6	N	degree C/TWINS confirm
1	5/20/75	11	1	22	71.6	N	degree C/TWINS confirm
1	5/20/75	12	1	22	71.6	N	degree C/TWINS confirm
1	6/17/75	1	1		145	Y	
1	6/17/75	2	1		136	N	
1	6/17/75	3	1		129	N	
1	6/17/75	4	1		118	N	
1	6/17/75	5	1		110	N	
1	6/17/75	6	1		104	N	
1	6/17/75	7	1		97	N	
1	6/17/75	8	1		88	N	
1	6/17/75	9	1		80	N	
1	6/17/75	10	1		74	N	
1	6/17/75	11	1		74	N	
1	6/17/75	12	1		74	N	
1	7/28/75	1	1		147	Y	
1	7/28/75	2	1		138	N	
1	7/28/75	3	1		132	N	
1	7/28/75	4	1		123	N	
1	7/28/75	5	1		115	N	
1	7/28/75	6	1		108	N	
1	7/28/75	7	1		100	N	
1	7/28/75	8	1		93	N	
1	7/28/75	9	1		88	N	
1	7/28/75	10	1		86	N	
1	7/28/75	11	1		86	N	
1	7/28/75	12	1		86	N	
1	8/26/75	1	1		150	Y	
1	8/26/75	2	1		142	N	
1	8/26/75	3	1		137	N	
1	8/26/75	4	1		128	N	
1	8/26/75	5	1		146	N	
1	8/26/75	6	1		138	N	
1	8/26/75	7	1		137	N	
1	8/26/75	8	1		130	N	
1	8/26/75	9	1		118	N	
1	8/26/75	10	1		108	N	
1	8/26/75	11	1		98	N	
1	8/26/75	12	1		91	N	
1	8/26/75	13	1		85	N	
1	11/21/75	1	1		151	Y	
1	11/21/75	2	1		143	N	
1	11/21/75	3	1		138	N	
1	11/21/75	4	1		129	N	
1	11/21/75	5	1		123	N	
1	11/21/75	6	1		116	N	
1	11/21/75	7	1		108	N	
1	11/21/75	8	1		97	N	
1	11/21/75	9	1		81	N	
1	11/21/75	10	1		71	N	
1	11/21/75	11	1		71	N	
1	11/21/75	12	1		70	N	
1	12/22/75	1	1		152	Y	
1	12/22/75	2	1		144	N	
1	12/22/75	3	1		138	N	
1	12/22/75	4	1		129	N	
1	12/22/75	5	1		121	N	
1	12/22/75	6	1		115	N	
1	12/22/75	7	1		105	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/22/75	8	1		93	N	
1	12/22/75	9	1		76	N	
1	12/22/75	10	1		67	N	
1	12/22/75	11	1		67	N	
1	12/22/75	12	1		67	N	
1	3/4/76	1	1		145	Y	
1	3/4/76	2	1		136	N	
1	3/4/76	3	1		129	N	
1	3/4/76	4	1		116	N	
1	3/4/76	5	1		105	N	
1	3/4/76	6	1		98	N	
1	3/4/76	7	1		88	N	
1	3/4/76	8	1		76	N	
1	3/4/76	9	1		63	N	
1	3/4/76	10	1		56	N	
1	3/4/76	11	1		56	N	
1	3/4/76	12	1		57	N	
1	5/7/76	1	1		136	Y	
1	5/7/76	2	1		127	N	
1	5/7/76	3	1		119	N	
1	5/7/76	4	1		108	N	
1	5/7/76	5	1		99	N	
1	5/7/76	6	1		90	N	
1	5/7/76	7	1		80	N	
1	5/7/76	8	1		71	N	
1	5/7/76	9	1		63	N	
1	5/7/76	10	1		62	N	
1	5/7/76	11	1		63	N	
1	5/7/76	12	1		63	N	
1	6/9/76	1	1		145	Y	
1	6/9/76	2	1		136	N	
1	6/9/76	3	1		130	N	
1	6/9/76	4	1		120	N	
1	6/9/76	5	1		112	N	
1	6/9/76	6	1		104	N	
1	6/9/76	7	1		94	N	
1	6/9/76	8	1		85	N	
1	6/9/76	9	1		78	N	
1	6/9/76	10	1		76	N	
1	6/9/76	11	1		76	N	
1	6/9/76	12	1		76	N	
1	7/7/76	1	1		136	Y	
1	7/7/76	2	1		128	N	
1	7/7/76	3	1		122	N	
1	7/7/76	4	1		113	N	
1	7/7/76	5	1		105	N	
1	7/7/76	6	1		97	N	
1	7/7/76	7	1		87	N	
1	7/7/76	8	1		79	N	
1	7/7/76	9	1		74	N	
1	7/7/76	10	1		72	N	
1	7/7/76	11	1		72	N	
1	7/7/76	12	1		72	N	
1	8/14/76	1	1		132	Y	
1	8/14/76	2	1		124	N	
1	8/14/76	3	1		117	N	
1	8/14/76	4	1		110	N	
1	8/14/76	5	1		103	N	
1	8/14/76	6	1		96	N	
1	8/14/76	7	1		88	N	
1	8/14/76	8	1		80	N	
1	8/14/76	9	1		73	N	
1	8/14/76	10	1		71	N	
1	8/14/76	11	1		71	N	
1	8/14/76	12	1		71	N	
1	8/28/76	1	1		137	Y	
1	8/28/76	2	1		129	N	
1	8/28/76	3	1		123	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/28/76	4	1		116	N	
1	8/28/76	5	1		109	N	
1	8/28/76	6	1		102	N	
1	8/28/76	7	1		94	N	
1	8/28/76	8	1		86	N	
1	8/28/76	9	1		77	N	
1	8/28/76	10	1		76	N	
1	8/28/76	11	1		76	N	
1	8/28/76	12	1		77	N	
1	9/13/76	1	1		139	Y	
1	9/13/76	2	1		132	N	
1	9/13/76	3	1		125	N	
1	9/13/76	4	1		118	N	
1	9/13/76	5	1		110	N	
1	9/13/76	6	1		104	N	
1	9/13/76	7	1		95	N	
1	9/13/76	8	1		87	N	
1	9/13/76	9	1		76	N	
1	9/13/76	10	1		75	N	
1	9/13/76	11	1		76	N	
1	9/13/76	12	1		76	N	
1	11/7/76	1	1		140	Y	
1	11/7/76	2	1		132	N	
1	11/7/76	3	1		128	N	
1	11/7/76	4	1		107	N	
1	11/7/76	5	1		113	N	
1	11/7/76	6	1		106	N	
1	11/7/76	7	1		96	N	
1	11/7/76	8	1		87	N	
1	11/7/76	9	1		71	N	
1	11/7/76	10	1		69	N	
1	11/7/76	11	1		69	N	
1	11/7/76	12	1		69	N	
1	12/9/76	1	1		160	Y	
1	12/9/76	2	1		152	N	
1	12/9/76	3	1		147	N	
1	12/9/76	4	1		139	N	
1	12/9/76	5	1		131	N	
1	12/9/76	6	1		124	N	
1	12/9/76	7	1		112	N	
1	12/9/76	8	1		99	N	
1	12/9/76	9	1		83	N	
1	12/9/76	10	1		81	N	
1	12/9/76	11	1		81	N	
1	12/9/76	12	1		81	N	
1	1/3/77	1	1		153	Y	
1	1/3/77	2	1		146	N	
1	1/3/77	3	1		141	N	
1	1/3/77	4	1		133	N	
1	1/3/77	5	1		125	N	
1	1/3/77	6	1		117	N	
1	1/3/77	7	1		105	N	
1	1/3/77	8	1		91	N	
1	1/3/77	9	1		75	N	
1	1/3/77	10	1		72	N	
1	1/3/77	11	1		72	N	
1	1/3/77	12	1		72	N	
1	2/26/77	1	1		139	Y	
1	2/26/77	2	1		139	N	
1	2/26/77	3	1		126	N	
1	2/26/77	4	1		118	N	
1	2/26/77	5	1		110	N	
1	2/26/77	6	1		102	N	
1	2/26/77	7	1		90	N	
1	2/26/77	8	1		78	N	
1	2/26/77	9	1		65	N	
1	2/26/77	10	1		63	N	
1	2/26/77	11	1		63	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	2/26/77	12	1		63	N	
1	3/28/77	1	1		144	Y	
1	3/28/77	2	1		136	N	
1	3/28/77	3	1		131	N	
1	3/28/77	4	1		122	N	
1	3/28/77	5	1		114	N	
1	3/28/77	6	1		107	N	
1	3/28/77	7	1		95	N	
1	3/28/77	8	1		84	N	
1	3/28/77	9	1		71	N	
1	3/28/77	10	1		70	N	
1	3/28/77	11	1		70	N	
1	3/28/77	12	1		70	N	
1	4/27/77	1	1		140	Y	
1	4/27/77	2	1		132	N	
1	4/27/77	3	1		127	N	
1	4/27/77	4	1		119	N	
1	4/27/77	5	1		111	N	
1	4/27/77	6	1		104	N	
1	4/27/77	7	1		93	N	
1	4/27/77	8	1		82	N	
1	4/27/77	9	1		72	N	
1	4/27/77	10	1		71	N	
1	4/27/77	11	1		70	N	
1	4/27/77	12	1		70	N	
1	6/30/77	1	1		143	Y	
1	6/30/77	2	1		135	N	
1	6/30/77	3	1		130	N	
1	6/30/77	4	1		123	N	
1	6/30/77	5	1			N	175 - suspect data (high)
1	6/30/77	6	1		109	N	
1	6/30/77	7	1		100	N	
1	6/30/77	8	1		92	N	
1	6/30/77	9	1		83	N	
1	6/30/77	10	1		82	N	
1	6/30/77	11	1		82	N	
1	6/30/77	12	1		82	N	
1	8/15/77	1	1		131	Y	
1	8/15/77	2	1		124	N	
1	8/15/77	3	1		120	N	
1	8/15/77	4	1		112	N	
1	8/15/77	5	1		105	N	
1	8/15/77	6	1		100	N	
1	8/15/77	7	1		92	N	
1	8/15/77	8	1		85	N	
1	8/15/77	9	1		79	N	
1	8/15/77	10	1		78	N	
1	8/15/77	11	1		78	N	
1	8/15/77	12	1		77	N	
1	9/12/77	1	1		129	Y	
1	9/12/77	2	1		122	N	
1	9/12/77	3	1		118	N	
1	9/12/77	4	1		110	N	
1	9/12/77	5	1		104	N	
1	9/12/77	6	1		98	N	
1	9/12/77	7	1		90	N	
1	9/12/77	8	1		81	N	
1	9/12/77	9	1		71	N	
1	9/12/77	10	1		70	N	
1	9/12/77	11	1		70	N	
1	9/12/77	12	1		70	N	
1	10/7/77	1	1		142	Y	
1	10/7/77	2	1		135	N	
1	10/7/77	3	1		130	N	
1	10/7/77	4	1		124	N	
1	10/7/77	5	1		117	N	
1	10/7/77	6	1		111	N	
1	10/7/77	7	1		103	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	10/7/77	8	1		91	N	
1	10/7/77	9	1		77	N	
1	10/7/77	10	1		75	N	
1	10/7/77	11	1		75	N	
1	10/7/77	12	1		75	N	
1	12/7/77	1	1		140	Y	
1	12/7/77	2	1		133	N	
1	12/7/77	3	1		128	N	
1	12/7/77	4	1		117	N	
1	12/7/77	5	1		113	N	
1	12/7/77	6	1		106	N	
1	12/7/77	7	1		94	N	
1	12/7/77	8	1		79	N	
1	12/7/77	9	1		61	N	
1	12/7/77	10	1		59	N	
1	12/7/77	11	1		60	N	
1	12/7/77	12	1		60	N	
1	1/29/78	1	1		146	Y	
1	1/29/78	2	1		139	N	
1	1/29/78	3	1		134	N	
1	1/29/78	4	1		125	N	
1	1/29/78	5	1		116	N	
1	1/29/78	6	1		107	N	
1	1/29/78	7	1		95	N	
1	1/29/78	8	1		80	N	
1	1/29/78	9	1		62	N	
1	1/29/78	10	1		60	N	
1	1/29/78	11	1		60	N	
1	1/29/78	12	1		60	N	
1	2/26/78	1	1		151	Y	
1	2/26/78	2	1		143	N	
1	2/26/78	3	1		138	N	
1	2/26/78	4	1		128	N	
1	2/26/78	5	1		119	N	
1	2/26/78	6	1		111	N	
1	2/26/78	7	1		99	N	
1	2/26/78	8	1		84	N	
1	2/26/78	9	1		68	N	
1	2/26/78	10	1		61	N	
1	2/26/78	11	1		67	N	
1	2/26/78	12	1		67	N	
1	3/26/78	1	1		138	Y	
1	3/26/78	2	1		130	N	
1	3/26/78	3	1		125	N	
1	3/26/78	4	1		116	N	
1	3/26/78	5	1		107	N	
1	3/26/78	6	1		98	N	
1	3/26/78	7	1		87	N	
1	3/26/78	8	1		74	N	
1	3/26/78	9	1		61	N	
1	3/26/78	10	1		60	N	
1	3/26/78	11	1		60	N	
1	3/26/78	12	1		60	N	
1	4/23/78	1	1		143	Y	
1	4/23/78	2	1		133	N	
1	4/23/78	3	1		128	N	
1	4/23/78	4	1		119	N	
1	4/23/78	5	1		110	N	
1	4/23/78	6	1		102	N	
1	4/23/78	7	1		92	N	
1	4/23/78	8	1		81	N	
1	4/23/78	9	1		67	N	
1	4/23/78	10	1		67	N	
1	4/23/78	11	1		67	N	
1	4/23/78	12	1		68	N	
1	6/17/78	1	1		131	Y	
1	6/17/78	2	1		123	N	
1	6/17/78	3	1		118	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	6/17/78	4	1		109	N	
1	6/17/78	5	1		101	N	
1	6/17/78	6	1		94	N	
1	6/17/78	7	1		85	N	
1	6/17/78	8	1		76	N	
1	6/17/78	9	1		68	N	
1	6/17/78	10	1		67	N	
1	6/17/78	11	1		68	N	
1	6/17/78	12	1		68	N	
1	7/16/78	1	1		120	Y	
1	7/16/78	2	1		112	N	
1	7/16/78	3	1		106	N	
1	7/16/78	4	1		95	N	
1	7/16/78	5	1		87	N	
1	7/16/78	6	1		82	N	
1	7/16/78	7	1		75	N	
1	7/16/78	8	1		66	N	
1	7/16/78	9	1		59	N	
1	7/16/78	10	1		58	N	
1	7/16/78	11	1		58	N	
1	7/16/78	12	1		58	N	
1	9/12/78	1	1		141	Y	
1	9/12/78	2	1		134	N	
1	9/12/78	3	1		129	N	
1	9/12/78	4	1		122	N	
1	9/12/78	5	1		116	N	
1	9/12/78	6	1		110	N	
1	9/12/78	7	1		104	N	
1	9/12/78	8	1		94	N	
1	9/12/78	9	1		83	N	
1	9/12/78	10	1		82	N	
1	9/12/78	11	1		82	N	
1	9/12/78	12	1		82	N	
1	10/7/78	1	1		140	Y	
1	10/7/78	2	1		132	N	
1	10/7/78	3	1		127	N	
1	10/7/78	4	1		120	N	
1	10/7/78	5	1		114	N	
1	10/7/78	6	1		105	N	
1	10/7/78	7	1		94	N	
1	10/7/78	8	1		88	N	
1	10/7/78	9	1		76	N	
1	10/7/78	10	1		73	N	
1	10/7/78	11	1		74	N	
1	10/7/78	12	1		74	N	
1	1/3/79	1	1		137	Y	
1	1/3/79	2	1		130	N	
1	1/3/79	3	1		126	N	
1	1/3/79	4	1		117	N	
1	1/3/79	5	1		109	N	
1	1/3/79	6	1		101	N	
1	1/3/79	7	1		89	N	
1	1/3/79	8	1		70	N	
1	1/3/79	9	1		46	N	
1	1/3/79	10	1		44	N	
1	1/3/79	11	1		44	N	
1	1/3/79	12	1		44	N	
1	4/22/79	1	1		136	Y	
1	4/22/79	2	1		128	N	
1	4/22/79	3	1		122	N	
1	4/22/79	4	1		113	N	
1	4/22/79	5	1		104	N	
1	4/22/79	6	1		96	N	
1	4/22/79	7	1		87	N	
1	4/22/79	8	1		74	N	
1	4/22/79	9	1		62	N	
1	4/22/79	10	1		61	N	
1	4/22/79	11	1		61	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	4/22/79	12	1		61	N	
1	7/25/79	1	1		133	Y	
1	7/25/79	2	1		125	N	
1	7/25/79	3	1		120	N	
1	7/25/79	4	1		112	N	
1	7/25/79	5	1		105	N	
1	7/25/79	6	1		100	N	
1	7/25/79	7	1		94	N	
1	7/25/79	8	1		87	N	
1	7/25/79	9	1		82	N	
1	7/25/79	10	1		82	N	
1	7/25/79	11	1		82	N	
1	7/25/79	12	1		82	N	
1	9/4/79	1	1		121	Y	
1	9/4/79	2	1		114	N	
1	9/4/79	3	1		110	N	
1	9/4/79	4	1		102	N	
1	9/4/79	5	1		96	N	
1	9/4/79	6	1		91	N	
1	9/4/79	7	1		85	N	
1	9/4/79	8	1		77	N	
1	9/4/79	9	1		68	N	
1	9/4/79	10	1		67	N	
1	9/4/79	11	1		67	N	
1	9/4/79	12	1		67	N	
1	11/15/79	1	1		145	Y	
1	11/15/79	2	1		139	N	
1	11/15/79	3	1		136	N	
1	11/15/79	4	1		129	N	
1	11/15/79	5	1		122	N	
1	11/15/79	6	1		122	N	
1	11/15/79	7	1		115	N	
1	11/15/79	8	1		100	N	
1	11/15/79	9	1		83	N	
1	11/15/79	10	1		81	N	
1	11/15/79	11	1		82	N	
1	11/15/79	12	1		80	N	
1	2/6/80	1	1		140	Y	
1	2/6/80	2	1		133	N	
1	2/6/80	3	1		129	N	
1	2/6/80	4	1		120	N	
1	2/6/80	5	1		111	N	
1	2/6/80	6	1		109	N	
1	2/6/80	7	1		91	N	
1	2/6/80	8	1		74	N	
1	2/6/80	9	1		58	N	
1	2/6/80	10	1		57	N	
1	2/6/80	11	1		58	N	
1	2/6/80	12	1		58	N	
1	5/12/80	1	1		132	Y	
1	5/12/80	2	1		125	N	
1	5/12/80	3	1		115	N	
1	5/12/80	4	1		112	N	
1	5/12/80	5	1		104	N	
1	5/12/80	6	1		98	N	
1	5/12/80	7	1		91	N	
1	5/12/80	8	1		81	N	
1	5/12/80	9	1		73	N	
1	5/12/80	10	1		73	N	
1	5/12/80	11	1		74	N	
1	5/12/80	12	1		74	N	
1	11/12/80	1	1		138	Y	
1	11/12/80	2	1		132	N	
1	11/12/80	3	1		129	N	
1	11/12/80	4	1		122	N	
1	11/12/80	5	1		116	N	
1	11/12/80	6	1		111	N	
1	11/12/80	7	1		105	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/12/80	8	1		92	N	
1	11/12/80	9	1		79	N	
1	11/12/80	10	1		77	N	
1	11/12/80	11	1		77	N	
1	11/12/80	12	1		77	N	
1	12/1/80	1	1		143	Y	
1	12/1/80	2	1		136	N	
1	12/1/80	3	1		132	N	
1	12/1/80	4	1		125	N	
1	12/1/80	5	1		118	N	
1	12/1/80	6	1		111	N	
1	12/1/80	7	1		104	N	
1	12/1/80	8	1		86	N	
1	12/1/80	9	1		68	N	
1	12/1/80	10	1		66	N	
1	12/1/80	11	1		66	N	
1	12/1/80	12	1		67	N	
1	6/12/81	1	1		120	Y	
1	6/12/81	2	1		114	N	
1	6/12/81	3	1		111	N	
1	6/12/81	4	1		104	N	
1	6/12/81	5	1		99	N	
1	6/12/81	6	1		93	N	
1	6/12/81	7	1		88	N	
1	6/12/81	8	1		80	N	
1	6/12/81	9	1		73	N	
1	6/12/81	10	1		72	N	
1	6/12/81	11	1		72	N	
1	6/12/81	12	1		72	N	
1	1/14/82	1	1		135	Y	
1	1/14/82	2	1		129	N	
1	1/14/82	3	1		125	N	
1	1/14/82	4	1		119	N	
1	1/14/82	5	1		114	N	
1	1/14/82	6	1		106	N	
1	1/14/82	7	1		97	N	
1	1/14/82	8	1		84	N	
1	1/14/82	9	1		76	N	
1	1/14/82	10	1		75	N	
1	1/14/82	11	1		75	N	
1	1/14/82	12	1		75	N	
1	2/4/82	1	1		145	Y	
1	2/4/82	2	1		139	N	
1	2/4/82	3	1		135	N	
1	2/4/82	4	1		128	N	
1	2/4/82	5	1		122	N	
1	2/4/82	6	1		116	N	
1	2/4/82	7	1		110	N	
1	2/4/82	8	1		98	N	
1	2/4/82	9	1		88	N	
1	2/4/82	10	1		87	N	
1	2/4/82	11	1		87	N	
1	2/4/82	12	1		87	N	
1	3/10/82	1	1		137	Y	
1	3/10/82	2	1		131	N	
1	3/10/82	3	1		127	N	
1	3/10/82	4	1		120	N	
1	3/10/82	5	1		114	N	
1	3/10/82	6	1		107	N	
1	3/10/82	7	1		101	N	
1	3/10/82	8	1		89	N	
1	3/10/82	9	1		80	N	
1	3/10/82	10	1		79	N	
1	3/10/82	11	1		79	N	
1	3/10/82	12	1		80	N	
1	6/4/85	1	1		122	Y	
1	6/4/85	2	1		115	N	
1	6/4/85	3	1		110	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	6/4/85	4	1		105	N	
1	6/4/85	5	1		99	N	
1	6/4/85	6	1		76	N	
1	7/2/85	1	2		128	Y	
1	7/2/85	2	2		108	N	
1	7/2/85	3	2		102	N	
1	7/2/85	4	2		97	N	
1	7/2/85	5	2		90	N	
1	7/2/85	6	2		85	N	
1	4/7/86	1	1		130	Y	
1	4/7/86	2	1		126	N	
1	4/7/86	3	1		118	N	
1	4/7/86	4	1		112	N	
1	4/7/86	5	1		104	N	
1	4/7/86	6	1		77	N	
1	6/3/86	1	2		107	Y	
1	6/3/86	2	2		75	N	
1	6/3/86	3	2		78	N	
1	6/3/86	4	2		73	N	
1	6/3/86	5	2		67	N	
1	6/3/86	6	2		63	N	
1	7/7/86	1	1		115.3	Y	
1	7/7/86	2	1		110.7	N	
1	7/7/86	3	1		105.1	N	
1	7/7/86	4	1		100	N	
1	7/7/86	5	1		94	N	
1	7/7/86	6	1		73.9	N	
1	9/1/86	1	2		105	Y	
1	9/1/86	2	2		90	N	
1	9/1/86	3	2		85	N	
1	9/1/86	4	2		80	N	
1	9/1/86	5	2		76	N	
1	9/1/86	6	2		72	N	
1	11/1/86	1	1		136.7	Y	
1	11/1/86	2	1		132.8	N	
1	11/1/86	3	1		128.3	N	
1	11/1/86	4	1		123.3	N	
1	11/1/86	5	1		117.5	N	
1	11/1/86	6	1		97.1	N	
1	6/1/87	1	1		117	Y	
1	6/1/87	2	1		113	N	
1	6/1/87	3	1		109	N	
1	6/1/87	4	1		104	N	
1	6/1/87	5	1		98	N	
1	7/6/87	1	1		117	Y	
1	7/6/87	2	1		114	N	
1	7/6/87	3	1		110	N	
1	7/6/87	4	1		105	N	
1	7/6/87	5	1		99	N	
1	7/6/87	6	1		79	N	
1	8/4/87	1	1		117	Y	
1	8/4/87	2	1		114	N	
1	8/4/87	3	1		110	N	
1	8/4/87	4	1		107	N	
1	8/4/87	5	1		101	N	
1	8/4/87	6	1		82	N	
1	9/7/87	1	1		115.9	Y	
1	9/7/87	2	1		112.4	N	
1	9/7/87	3	1		108	N	
1	9/7/87	4	1		103	N	
1	9/7/87	5	1		98	N	
1	9/7/87	6	1		82.2	N	
1	10/5/87	1	1		117	Y	
1	10/5/87	2	1		113	N	
1	10/5/87	3	1		110	N	
1	10/5/87	4	1		105	N	
1	10/5/87	5	1		100	N	
1	10/5/87	6	1		84	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/3/87	1	1		129	N	
1	11/3/87	2	1		130	Y	
1	11/3/87	3	1		125	N	
1	11/3/87	4	1		119	N	
1	11/3/87	5	1		116	N	
1	11/3/87	6	1		98	N	
1	1/25/88	3	1		104	Y	
1	1/25/88	4	1		102	N	
1	1/25/88	5	1		100	N	
1	1/25/88	6	1		104	N	
1	2/1/88	3	1		104	N	
1	2/1/88	4	1		101	N	
1	2/1/88	5	1		102	N	
1	2/1/88	6	1		104	N	
1	3/7/88	1	1		120	Y	
1	3/7/88	2	1		115	N	
1	3/7/88	3	1		110	N	
1	3/7/88	4	1		106	N	
1	3/7/88	5	1		100	N	
1	3/7/88	6	1		74	N	
1	4/6/88	1	1		108	Y	
1	4/6/88	2	1		104	N	
1	4/6/88	3	1		101	N	
1	4/6/88	4	1		97	N	
1	4/6/88	5	1		92	N	
1	4/6/88	6	1		71	N	
1	6/7/88	1	1		113	Y	
1	6/7/88	2	1		110	N	
1	6/7/88	3	1		105	N	
1	6/7/88	4	1		101	N	
1	6/7/88	5	1		96	N	
1	6/7/88	6	1		76	N	
1	7/4/88	1	1		116	Y	
1	7/4/88	2	1		113	N	
1	7/4/88	3	1		108	N	
1	7/4/88	4	1		104	N	
1	7/4/88	5	1		99	N	
1	7/4/88	6	1		79	N	
1	8/1/88	1	1		100	Y	
1	8/1/88	2	1		98	N	
1	8/1/88	3	1		93	N	
1	8/1/88	4	1		90	N	
1	8/1/88	5	1		85	N	
1	8/1/88	6	1		68	N	
1	9/5/88	1	1		118	Y	
1	9/5/88	2	1		115	N	
1	9/5/88	3	1		110	N	
1	9/5/88	4	1		107	N	
1	9/5/88	5	1		100	N	
1	9/5/88	6	1		100	N	
1	9/15/88	1	1		118	Y	
1	9/15/88	2	1		115	N	
1	9/15/88	3	1		110	N	
1	9/15/88	4	1		107	N	
1	9/15/88	5	1		100	N	
1	9/15/88	6	1		100	N	
1	10/3/88	1	1		117	Y	
1	10/3/88	2	1		113	N	
1	10/3/88	3	1		109	N	
1	10/3/88	4	1		106	N	
1	10/3/88	5	1		102	N	
1	10/3/88	6	1		86	N	
1	2/6/89	1	1		122	Y	
1	2/6/89	2	1		118	N	
1	2/6/89	3	1		114	N	
1	2/6/89	4	1		109	N	
1	2/6/89	5	1		109	N	
1	2/6/89	6	1		80	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	4/5/89	1	1		120	Y	
1	4/5/89	2	1		116	N	
1	4/5/89	3	1		111	N	
1	4/5/89	4	1		107	N	
1	4/5/89	5	1		101	N	
1	4/5/89	6	1		77	N	
1	6/20/89	1	1		122	Y	
1	6/20/89	2	1		119	N	
1	6/20/89	3	1		114	N	
1	6/20/89	4	1		110	N	
1	6/20/89	5	1		105	N	
1	6/20/89	6	1		86	N	
1	7/5/89	1	2		119	Y	
1	7/5/89	2	2		98.9	N	
1	7/5/89	3	2		92.6	N	
1	7/5/89	4	2		87.6	N	
1	7/5/89	5	2		82.5	N	
1	7/5/89	6	2		78.8	N	
1	7/31/89	1	2		108.5	Y	
1	7/31/89	2	2		91.6	N	
1	7/31/89	3	2		86.5	N	
1	7/31/89	4	2		82.3	N	
1	7/31/89	5	2		77.7	N	
1	7/31/89	6	2		74	N	
1	8/2/89	1	1		117	Y	
1	8/2/89	2	1		113	N	
1	8/2/89	3	1		108	N	
1	8/2/89	4	1		104	N	
1	8/2/89	5	1		99	N	
1	8/2/89	6	1		82	N	
1	8/7/89	1	1		112	Y	
1	8/7/89	2	1		110	N	
1	8/7/89	3	1		106	N	
1	8/7/89	4	1		102	N	
1	8/7/89	5	1		98	N	
1	8/7/89	6	1		84	N	
1	10/2/89	1	1		117	Y	
1	10/2/89	2	1		113	N	
1	10/2/89	3	1		109	N	
1	.10/2/89	4	1		105	N	
1	10/2/89	5	1		100.6	N	
1	10/2/89	6	1		85	N	
1	10/12/89	1	1		118	Y	
1	10/12/89	2	1		114.8	N	
1	10/12/89	3	1		110.7	N	
1	10/12/89	4	1		107.2	N	
1	10/12/89	5	1		102.8	N	
1	10/12/89	6	1		86	N	
1	10/18/89	1	1		108	Y	
1	10/18/89	2	1		106	N	
1	10/18/89	3	1		101	N	
1	10/18/89	4	1		98	N	
1	10/18/89	5	1		93	N	
1	10/18/89	6	1		77	N	
1	10/23/89	1	1		118	Y	
1	10/23/89	2	1		114.8	N	
1	10/23/89	3	1		110.7	N	
1	10/23/89	4	1		107.2	N	
1	10/23/89	5	1		102.8	N	
1	10/23/89	6	1		86	N	
1	11/4/89	1	1		104.6	Y	
1	11/4/89	2	1		101.5	N	
1	11/4/89	3	1		98	N	
1	11/4/89	4	1		95.3	N	
1	11/4/89	5	1		91.8	N	
1	11/4/89	6	1		77.7	N	
1	11/10/89	1	1		115.4	Y	
1	11/10/89	2	1		112	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/10/89	3	1		108	N	
1	11/10/89	4	1		104.5	N	
1	11/10/89	5	1		100.3	N	
1	11/10/89	6	1		82.8	N	
1	11/18/89	1	1		118.3	Y	
1	11/18/89	2	1		115	N	
1	11/18/89	3	1		110.7	N	
1	11/18/89	4	1		107.3	N	
1	11/18/89	5	1		102.9	N	
1	11/18/89	6	1		84.3	N	
1	11/25/89	1	1		118.7	Y	
1	11/25/89	2	1		115.3	N	
1	11/25/89	3	1		111	N	
1	11/25/89	4	1		107.6	N	
1	11/25/89	5	1		103.2	N	
1	11/25/89	6	1		84.1	N	
1	12/1/89	1	1		118.9	Y	
1	12/1/89	2	1		115.5	N	
1	12/1/89	3	1		111.3	N	
1	12/1/89	4	1		107.8	N	
1	12/1/89	5	1		103.3	N	
1	12/1/89	6	1		83.4	N	
1	12/10/89	1	1		119	Y	
1	12/10/89	2	1		115.7	N	
1	12/10/89	3	1		111.2	N	
1	12/10/89	4	1		107.8	N	
1	12/10/89	5	1		103.3	N	
1	12/10/89	6	1		83.7	N	
1	12/15/89	1	1		119.5	Y	
1	12/15/89	2	1		115.3	N	
1	12/15/89	3	1		110.8	N	
1	12/15/89	4	1		107.5	N	
1	12/15/89	5	1		82	N	
1	12/23/89	1	1		120	Y	
1	12/23/89	2	1		116	N	
1	12/23/89	3	1		112	N	
1	12/23/89	4	1		108	N	
1	12/23/89	5	1		103	N	
1	12/23/89	6	1		82	N	
1	12/29/89	1	1		120	Y	J-2E-OP-020
1	12/29/89	2	1		116	N	
1	12/29/89	3	1		112	N	
1	12/29/89	4	1		108	N	
1	12/29/89	5	1		103	N	
1	12/29/89	6	1		81	N	
1	1/6/90	1	1		116.4	Y	J-2E-OP-002
1	1/6/90	2	1		112.3	N	
1	1/6/90	3	1		108.5	N	
1	1/6/90	4	1		104.6	N	
1	1/6/90	5	1		99.7	N	
1	1/6/90	6	1		78	N	
1	1/13/90	1	1		114.6	Y	
1	1/13/90	2	1		110.5	N	
1	1/13/90	3	1		106.8	N	
1	1/13/90	4	1		102.8	N	
1	1/13/90	5	1		98	N	
1	1/13/90	6	1		76	N	J
1	1/27/90	1	1		116.7	Y	J
1	1/27/90	2	1		112.5	N	
1	1/27/90	3	1		108	N	
1	1/27/90	4	1		104.4	N	
1	1/27/90	5	1		99.3	N	
1	1/27/90	6	1		76.1	N	
1	2/3/90	1	1		119	Y	
1	2/3/90	2	1		114.7	N	
1	2/3/90	3	1		110.6	N	
1	2/3/90	4	1		106.6	N	
1	2/3/90	5	1		101.3	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	2/3/90	6	1		77.9	N	J-2E-OP-020
1	2/5/90	1	1		116.7	Y	J-2E-OP-021
1	2/5/90	2	1		112.6	N	
1	2/5/90	3	1		108.2	N	
1	2/5/90	4	1		104.4	N	
1	2/5/90	5	1		99.2	N	
1	2/5/90	6	1		75.6	N	
1	2/11/90	1	1		117.4	Y	J-2E-OP-021
1	2/11/90	2	1		113.1	N	
1	2/11/90	3	1		108	N	
1	2/11/90	4	1		104.9	N	
1	2/11/90	5	1		99.5	N	
1	2/11/90	6	1		76.9	N	
1	3/2/90	1	1		119.4	Y	
1	3/2/90	2	1		115	N	
1	3/2/90	3	1		109.9	N	
1	3/2/90	4	1		105.8	N	
1	3/2/90	5	1		100.1	N	
1	3/2/90	6	1		76.3	N	
1	3/5/90	1	1		119.1	Y	Type J - 2E-OP-020
1	3/5/90	2	1		114.7	N	
1	3/5/90	3	1		109.8	N	
1	3/5/90	4	1		106.3	N	
1	3/5/90	5	1		100.8	N	
1	3/5/90	6	1		77	N	
1	4/3/90	1	1		118	Y	Type J 2E-OP-020
1	4/3/90	2	1		113.5	N	
1	4/3/90	3	1		108.6	N	
1	4/3/90	4	1		104.8	N	
1	4/3/90	5	1		99	N	
1	4/8/90	1	1		118	Y	
1	4/8/90	2	1		114	N	
1	4/8/90	3	1		109	N	
1	4/8/90	4	1		105	N	
1	4/8/90	5	1		99	N	
1	4/8/90	6	1		77	N	
1	5/5/90	1	1		115	Y	
1	5/5/90	2	1		112	N	
1	5/5/90	3	1		107	N	
1	5/5/90	4	1		103	N	
1	5/5/90	5	1		98	N	
1	5/5/90	6	1		76	N	
1	6/1/90	1	1		116.7	Y	
1	6/1/90	2	1		113.2	N	
1	6/1/90	3	1		108.5	N	
1	6/1/90	4	1		104.7	N	
1	6/1/90	5	1		99.4	N	
1	6/1/90	6	1		79.2	N	
1	7/8/90	1	1		116.5	Y	J-2E-OP-020
1	7/8/90	2	1		112.9	N	
1	7/8/90	3	1		108.4	N	
1	7/8/90	4	1		104.6	N	
1	7/8/90	5	1		99.7	N	
1	7/8/90	6	1		81.5	N	
1	8/5/90	1	1		113.4	Y	J
1	8/5/90	2	1		110	N	
1	8/5/90	3	1		105.4	N	
1	8/5/90	4	1		101.8	N	
1	8/5/90	5	1		97.3	N	
1	8/5/90	6	1		81.4	N	
1	9/11/90	1	1		112	Y	J
1	9/11/90	2	1		108	N	
1	9/11/90	3	1		104	N	
1	9/11/90	4	1		100	N	
1	9/11/90	5	1		97	N	
1	9/11/90	6	1		81	N	
1	10/9/90	1	1		113	Y	J
1	10/9/90	2	1		110	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	10/9/90	3	1		106	N	
1	10/9/90	4	1		102	N	
1	10/9/90	5	1		98	N	
1	10/9/90	6	1		83	N	
1	10/22/90	1	1		114	Y	J 890523512-20
1	10/22/90	2	1		111	N	
1	10/22/90	3	1		106	N	
1	10/22/90	4	1		103	N	
1	10/22/90	5	1		99	N	
1	10/22/90	6	1		83	N	
1	10/26/90	1	1		110.2	Y	J-890523512-20
1	10/26/90	2	1		107.1	N	
1	10/26/90	3	1		103	N	
1	10/26/90	4	1		99.6	N	
1	10/26/90	5	1		95.2	N	
1	10/26/90	6	1		79.1	N	
1	10/30/90	1	1		113.9	Y	J 890523512-20
1	10/30/90	2	1		110.8	N	
1	10/30/90	3	1		106.8	N	
1	10/30/90	4	1		103.5	N	
1	10/30/90	5	1		99.4	N	
1	10/30/90	6	1		83.4	N	
1	11/5/90	1	1		114.1	Y	J 890523512-20
1	11/5/90	2	1		110.9	N	
1	11/5/90	3	1		107	N	
1	11/5/90	4	1		103.5	N	
1	11/5/90	5	1		99.5	N	
1	11/5/90	6	1		82.8	N	
1	11/16/90	1	1		113.7	Y	J 89053512-20
1	11/16/90	2	1		111.3	N	
1	11/16/90	3	1		106.9	N	
1	11/16/90	4	1		103	N	
1	11/16/90	5	1		98.4	N	
1	11/16/90	6	1		80.7	N	
1	11/18/90	1	1		115.4	Y	J J890523512-20
1	11/18/90	2	1		113.1	N	
1	11/18/90	3	1		109.3	N	
1	11/18/90	4	1		105.3	N	
1	11/18/90	5	1		100.8	N	
1	11/18/90	6	1		82	N	
1	11/25/90	1	1		113.6	Y	J-2E-OP-021
1	11/25/90	2	1		110.5	N	
1	11/25/90	3	1		106.6	N	
1	11/25/90	4	1		103.3	N	
1	11/25/90	5	1		98.7	N	
1	11/25/90	6	1		85.1	N	
1	12/5/90	1	1		113.8	Y	J 890523512 LOW
1	12/5/90	2	1		110.2	N	
1	12/5/90	3	1		106	N	
1	12/5/90	4	1		102.7	N	
1	12/5/90	5	1		98.5	N	
1	12/5/90	6	1		79.3	N	
1	12/11/90	1	1		113.7	Y	
1	12/11/90	2	1		110	N	
1	12/11/90	3	1		106	N	
1	12/11/90	4	1		102.7	N	
1	12/11/90	5	1		98.3	N	
1	12/11/90	6	1		78.7	N	
1	12/15/90	1	1		114.4	Y	HH-99A-J
1	12/15/90	2	1		110.8	N	
1	12/15/90	3	1		106.7	N	
1	12/15/90	4	1		102.6	N	
1	12/15/90	5	1		97.4	N	
1	12/15/90	6	1		77.7	N	
1	12/22/90	1	1		115	Y	J 890423320-11
1	12/22/90	2	1		112	N	
1	12/22/90	3	1		108	N	
1	12/22/90	4	1		104	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/22/90	5	1		99	N	
1	12/22/90	6	1		77	N	
1	12/30/90	1	1		115	Y	J-2E-OP-021
1	12/30/90	2	1		111	N	
1	12/30/90	3	1		107.1	N	
1	12/30/90	4	1		103.8	N	
1	12/30/90	5	1		99.1	N	
1	12/30/90	6	1		77.1	N	
1	1/6/91	1	1		115	Y	J
1	1/6/91	2	1		111	N	
1	1/6/91	3	1		107	N	
1	1/6/91	4	1		104	N	
1	1/6/91	5	1		99	N	
1	1/6/91	6	1		77.1	N	
1	1/13/91	1	1		113.9	Y	J 890923320-11
1	1/13/91	2	1		109.7	N	
1	1/13/91	3	1		106.2	N	
1	1/13/91	4	1		102.9	N	
1	1/13/91	5	1		98	N	
1	1/13/91	6	1		75	N	
1	1/19/91	1	1		115.5	Y	J HH99A-J
1	1/19/91	2	1		111.8	N	
1	1/19/91	3	1		106.6	N	
1	1/19/91	4	1		103.1	N	
1	1/19/91	5	1		97.8	N	
1	1/19/91	6	1		75	N	
1	1/29/91	1	1		113.8	Y	J HH-99A
1	1/29/91	2	1		110.5	N	
1	1/29/91	3	1		107.2	N	
1	1/29/91	4	1		102.3	N	
1	1/29/91	5	1		96.5	N	
1	1/29/91	6	1		72.9	N	
1	2/3/91	1	1		112	Y	J Ser#890523512-47 LOW
1	2/3/91	2	1		108	N	
1	2/3/91	3	1		104	N	
1	2/3/91	4	1		100	N	
1	2/3/91	5	1		95	N	
1	2/3/91	6	1		72	N	
1	2/9/91	1	1		113.8	Y	J-890523512-47
1	2/9/91	2	1		110	N	
1	2/9/91	3	1		105.9	N	
1	2/9/91	4	1		101.4	N	
1	2/9/91	5	1		95.2	N	
1	2/9/91	6	1		71.5	N	
1	2/16/91	1	1		113.1	Y	J-890523512-47
1	2/16/91	2	1		109.1	N	
1	2/16/91	3	1		104.3	N	
1	2/16/91	4	1		99.9	N	
1	2/16/91	5	1		94.3	N	
1	2/16/91	6	1		70.7	N	
1	2/23/91	1	1		112.1	Y	J 890523512-47
1	2/23/91	2	1		108.4	N	
1	2/23/91	3	1		104.6	N	
1	2/23/91	4	1		99.8	N	
1	2/23/91	5	1		93.8	N	
1	2/23/91	6	1		70.3	N	
1	3/3/91	1	1		110.8	Y	890523512-47
1	3/3/91	2	1		106.7	N	
1	3/3/91	3	1		102.9	N	
1	3/3/91	4	1		98.7	N	
1	3/3/91	5	1		92.9	N	
1	3/3/91	6	1		69.8	N	
1	3/9/91	1	1		116.9	Y	2E-OP-020
1	3/9/91	2	1		113.1	N	
1	3/9/91	3	1		109.1	N	
1	3/9/91	4	1		104.5	N	
1	3/9/91	5	1		98.2	N	
1	3/9/91	6	1		74.7	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/17/91	1	1		115.2	Y	J 2E-OP-021
1	3/17/91	2	1		110	N	
1	3/17/91	3	1		106.8	N	
1	3/17/91	4	1		101.7	N	
1	3/17/91	5	1		94.8	N	
1	3/17/91	6	1		72.1	N	
1	3/27/91	1	1		116	Y	J 890523512-20 Rechecked
1	3/27/91	2	1		111.8	N	
1	3/27/91	3	1		107.4	N	
1	3/27/91	4	1		102.5	N	
1	3/27/91	5	1		95.7	N	
1	3/27/91	6	1		72.8	N	
1	3/30/91	1	1		116	Y	J 890523512-20
1	3/30/91	2	1		111.1	N	
1	3/30/91	3	1		106.9	N	
1	3/30/91	4	1		101.7	N	
1	3/30/91	5	1		94.8	N	
1	3/30/91	6	1		71.6	N	
1	4/7/91	1	1		116.5	Y	J 890423320-11
1	4/7/91	2	1		112.7	N	
1	4/7/91	3	1		108	N	
1	4/7/91	4	1		104.6	N	
1	4/7/91	5	1		98.7	N	
1	4/7/91	6	1		75	N	
1	4/14/91	1	1		116.2	Y	J 890523512-20 Omega
1	4/14/91	2	1		112.6	N	
1	4/14/91	3	1		107.6	N	
1	4/14/91	4	1		103.7	N	
1	4/14/91	5	1		97.8	N	
1	4/14/91	6	1		74.7	N	
1	4/20/91	1	1		116	Y	J 890523512-20
1	4/20/91	2	1		112.4	N	
1	4/20/91	3	1		106.6	N	
1	4/20/91	4	1		103.2	N	
1	4/20/91	5	1		97.6	N	
1	4/20/91	6	1		75.3	N	
1	4/28/91	1	1		114	Y	J Omega 890523512-20
1	4/28/91	2	1		110.7	N	
1	4/28/91	3	1		106.1	N	
1	4/28/91	4	1		102.1	N	
1	4/28/91	5	1		96.4	N	
1	4/28/91	6	1		74.8	N	
1	5/5/91	1	1		112.9	Y	J 890523512-20
1	5/5/91	2	1		109.7	N	
1	5/5/91	3	1		105.2	N	
1	5/5/91	4	1		101.5	N	
1	5/5/91	5	1		95.8	N	
1	5/5/91	6	1		74.6	N	
1	5/12/91	1	1		113.3	Y	J 890523512-20
1	5/12/91	2	1		109.8	N	
1	5/12/91	3	1		105.2	N	
1	5/12/91	4	1		101.3	N	
1	5/12/91	5	1		95.8	N	
1	5/12/91	6	1		74.9	N	
1	5/18/91	1	1		115	Y	J Kiethly 872 2E-OP-020
1	5/18/91	2	1		111.8	N	
1	5/18/91	3	1		107.3	N	
1	5/18/91	4	1		103.1	N	
1	5/18/91	5	1		97.5	N	
1	5/18/91	6	1		76	N	
1	5/25/91	1	1		114.4	Y	J 2E-OP-021
1	5/25/91	2	1		111.3	N	
1	5/25/91	3	1		106.9	N	
1	5/25/91	4	1		102.7	N	
1	5/25/91	5	1		97.1	N	
1	5/25/91	6	1		76.2	N	
1	6/2/91	1	1		112.4	Y	J 890423320-42
1	6/2/91	2	1		109.1	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	6/2/91	3	1		104.9	N	
1	6/2/91	4	1		100.9	N	
1	6/2/91	5	1		95.8	N	
1	6/2/91	6	1		75.7	N	
1	6/9/91	1	1		111.7	Y	J 890523512-20
1	6/9/91	2	1		108.7	N	
1	6/9/91	3	1		104.4	N	
1	6/9/91	4	1		103	N	
1	6/9/91	5	1		94.8	N	
1	6/9/91	6	1		75.1	N	
1	6/15/91	1	1		113.8	Y	J 2E-OP-021
1	6/15/91	2	1		110.5	N	
1	6/15/91	3	1		106	N	
1	6/15/91	4	1		102.2	N	
1	6/15/91	5	1		96.7	N	
1	6/15/91	6	1		77.2	N	
1	6/23/91	1	1		113	Y	J 2E-OP-021
1	6/23/91	2	1		110	N	
1	6/23/91	3	1		106	N	
1	6/23/91	4	1		102	N	
1	6/23/91	5	1		96	N	
1	6/23/91	6	1		77	N	
1	6/29/91	1	1		112.1	Y	J 890423320-42
1	6/29/91	2	1		108.6	N	
1	6/29/91	3	1		104.4	N	
1	6/29/91	4	1		100.7	N	
1	6/29/91	5	1		95.6	N	
1	6/29/91	6	1		77.3	N	
1	7/6/91	1	1		112.3	Y	J 910126143-42
1	7/6/91	2	1		109.1	N	
1	7/6/91	3	1		104.3	N	
1	7/6/91	4	1		100.1	N	
1	7/6/91	5	1		95.1	N	
1	7/6/91	6	1		77.5	N	
1	7/13/91	1	1		112.3	Y	J 910126143-42
1	7/13/91	2	1		109	N	
1	7/13/91	3	1		104.5	N	
1	7/13/91	4	1		100.1	N	
1	7/13/91	5	1		95	N	
1	7/13/91	6	1		77.5	N	
1	7/20/91	1	1		110.6	Y	J 910126143-64
1	7/20/91	2	1		107.8	N	
1	7/20/91	3	1		103.4	N	
1	7/20/91	4	1		99.3	N	
1	7/20/91	5	1		94.1	N	
1	7/20/91	6	1		76.9	N	
1	7/27/91	1	1		111.9	Y	J 910126143-14
1	7/27/91	2	1		108.6	N	
1	7/27/91	3	1		104.8	N	
1	7/27/91	4	1		101.7	N	
1	7/27/91	5	1		96.7	N	
1	7/27/91	6	1		79.7	N	
1	8/3/91	1	1		110.8	Y	J 910126143-14
1	8/3/91	2	1		108.5	N	
1	8/3/91	3	1		104.6	N	
1	8/3/91	4	1		101.3	N	
1	8/3/91	5	1		96.3	N	
1	8/3/91	6	1		79.6	N	
1	8/10/91	1	1		114	Y	J 890523512-20
1	8/10/91	2	1		111	N	
1	8/10/91	3	1		106	N	
1	8/10/91	4	1		103	N	
1	8/10/91	5	1		98	N	
1	8/10/91	6	1		82	N	
1	8/18/91	1	1		112.3	Y	J 890523512-20
1	8/18/91	2	1		109.1	N	
1	8/18/91	3	1		104.9	N	
1	8/18/91	4	1		101.3	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/18/91	5	1		96.4	N	
1	8/18/91	6	1		80.7	N	
1	8/24/91	1	1		113.8	Y	J 890523512-20
1	8/24/91	2	1		110	N	
1	8/24/91	3	1		105.8	N	
1	8/24/91	4	1		102.7	N	
1	8/24/91	5	1		97.57	N	
1	8/24/91	6	1		82.4	N	
1	8/31/91	1	1		112.5	Y	J-890423320-42
1	8/31/91	2	1		109.3	N	
1	8/31/91	3	1		105.5	N	
1	8/31/91	4	1		102.3	N	
1	8/31/91	5	1		98	N	
1	8/31/91	6	1		93.1	N	
1	9/8/91	1	1		112.5	Y	J-890423320-42
1	9/8/91	2	1		109.3	N	
1	9/8/91	3	1		105.5	N	
1	9/8/91	4	1		102.3	N	
1	9/8/91	5	1		98.1	N	
1	9/8/91	6	1		93.1	N	
1	9/15/91	1	1		111.7	Y	J-910126143-75
1	9/15/91	2	1		108.7	N	
1	9/15/91	3	1		104.5	N	
1	9/15/91	4	1		101.5	N	
1	9/15/91	5	1		97	N	
1	9/15/91	6	1		82.2	N	
1	9/22/91	1	1		111.6	Y	J-910126143-75
1	9/22/91	2	1		108.7	N	
1	9/22/91	3	1		104.5	N	
1	9/22/91	4	1		100.3	N	
1	9/22/91	5	1		95.4	N	
1	9/22/91	6	1		81.2	N	
1	9/28/91	1	1		114.1	Y	J-Keithley 872 #T1-059
1	9/28/91	2	1		111.5	N	
1	9/28/91	3	1		107.1	N	
1	9/28/91	4	1		103	N	
1	9/28/91	5	1		98.4	N	
1	9/28/91	6	1		83.7	N	
1	10/5/91	1	1		113.1	Y	J-910126143-42
1	10/5/91	2	1		110.3	N	
1	10/5/91	3	1		106.1	N	
1	10/5/91	4	1		102	N	
1	10/5/91	5	1		97.1	N	
1	10/5/91	6	1		83.2	N	
1	10/12/91	1	1		112.7	Y	J-TI023
1	10/12/91	2	1		109.5	N	
1	10/12/91	3	1		104.8	N	
1	10/12/91	4	1		101.5	N	
1	10/12/91	5	1		97.6	N	
1	10/12/91	6	1		83.3	N	
1	10/19/91	1	1		112.5	Y	J-890523512-47
1	10/19/91	2	1		109.7	N	
1	10/19/91	3	1		105.7	N	
1	10/19/91	4	1		102.5	N	
1	10/19/91	5	1		98.2	N	
1	10/19/91	6	1		82.9	N	
1	10/27/91	1	1		113.8	Y	J-910126143-42
1	10/27/91	2	1		110.6	N	
1	10/27/91	3	1		106.8	N	
1	10/27/91	4	1		103.5	N	
1	10/27/91	5	1		99.4	N	
1	10/27/91	6	1		83.7	N	
1	11/2/91	1	1		112	N	J-890523512-47
1	11/2/91	2	1		109	N	
1	11/2/91	3	1		104	N	
1	11/2/91	4	1		101	N	
1	11/2/91	5	1		97	N	
1	11/2/91	6	1		80	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/9/91	1	1		112	Y	J-2E-OP-02
1	11/9/91	2	1		110	N	
1	11/9/91	3	1		104	N	
1	11/9/91	4	1		101	N	
1	11/9/91	5	1		97	N	
1	11/9/91	6	1		77	N	
1	11/9/91	14	1		90	N	
1	11/17/91	1	1		111.6	Y	J-910126143-75
1	11/17/91	2	1		108.5	N	
1	11/17/91	3	1		105.9	N	
1	11/17/91	4	1		100.2	N	
1	11/17/91	5	1		91.4	N	
1	11/17/91	6	1		80.1	N	
1	11/24/91	1	1		114.1	Y	J-910126143-75
1	11/24/91	2	1		110.8	N	
1	11/24/91	3	1		106.8	N	
1	11/24/91	4	1		104	N	
1	11/24/91	5	1		99.6	N	
1	11/24/91	6	1		81.7	N	
1	12/1/91	1	1		112.7	Y	J-910126143-14
1	12/1/91	2	1		109	N	
1	12/1/91	3	1		105.5	N	
1	12/1/91	4	1		102	N	
1	12/1/91	5	1		97.8	N	
1	12/1/91	6	1		79.2	N	
1	12/6/91	1	1		113.5	Y	J-910126143-29
1	12/6/91	2	1		109.6	N	
1	12/6/91	3	1		105.7	N	
1	12/6/91	4	1		102.1	N	
1	12/6/91	5	1		97.9	N	
1	12/6/91	6	1		78.8	N	
1	12/14/91	1	1		115.2	Y	J-910126143-29
1	12/14/91	2	1		111.8	N	
1	12/14/91	3	1		107.4	N	
1	12/14/91	4	1		103.7	N	
1	12/14/91	5	1		99.3	N	
1	12/14/91	6	1		79.9	N	
1	12/20/91	1	1		113.7	Y	J-910126143-29
1	12/20/91	2	1		109.7	N	
1	12/20/91	3	1		105.8	N	
1	12/20/91	4	1		102.2	N	
1	12/20/91	5	1		97.9	N	
1	12/20/91	6	1		78.1	N	
1	12/29/91	1	1		114.2	N	J-910126143-29
1	12/29/91	2	1		110	N	
1	12/29/91	3	1		105.9	N	
1	12/29/91	4	1		102.2	N	
1	12/29/91	5	1		97.7	N	
1	12/29/91	6	1		77.1	N	
1	1/4/92	1	1		112.5	Y	910126143-50 HH-99A-J
1	1/4/92	2	1		108.6	N	
1	1/4/92	3	1		105.1	N	
1	1/4/92	4	1		101.5	N	
1	1/4/92	5	1		97	N	
1	1/4/92	6	1		76.5	N	
1	1/11/92	1	1		112.2	Y	J-910126143-14
1	1/11/92	2	1		108.1	N	
1	1/11/92	3	1		104.2	N	
1	1/11/92	4	1		100.3	N	
1	1/11/92	5	1		95.5	N	
1	1/11/92	6	1		74.3	N	
1	1/16/92	1	1		113.7	Y	J 910126143-32
1	1/16/92	2	1		109.6	N	
1	1/16/92	3	1		105.6	N	
1	1/16/92	4	1		101.8	N	
1	1/16/92	5	1		96.8	N	
1	1/16/92	6	1		75.3	N	
1	1/25/92	1	1		113	Y	J-910126143-14

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/25/92	2	1		109.1	N	
1	1/25/92	3	1		105.3	N	
1	1/25/92	4	1		101.5	N	
1	1/25/92	5	1		96.5	N	
1	1/25/92	6	1		74.9	N	
1	1/28/92	1	1			N	ACCESS RESTRICTED 1/28 - 2/22 DUE TO BATTERY FUME INCIDENT
1	2/24/92	1	1		113.2	N	J-900925741-79
1	2/24/92	2	1		108.7	N	
1	2/24/92	3	1		104.8	N	
1	2/24/92	4	1		100.6	N	
1	2/24/92	5	1		95.5	N	
1	2/24/92	6	1		73.3	N	
1	2/29/92	1	1		113.5	N	J+I-038/912012614332
1	2/29/92	2	1		109.1	N	
1	2/29/92	3	1		105	N	
1	2/29/92	4	1		100.8	N	
1	2/29/92	5	1		95.6	N	
1	2/29/92	6	1		73.3	N	
1	3/8/92	1	1		113.5	Y	J 910126143-48
1	3/8/92	2	1		109.9	N	
1	3/8/92	3	1		105.8	N	
1	3/8/92	4	1		101.4	N	
1	3/8/92	5	1		95.5	N	
1	3/8/92	6	1		73	N	
1	3/15/92	1	1		113.3	Y	J-910126143-32
1	3/15/92	2	1		109.5	N	
1	3/15/92	3	1		105.5	N	
1	3/15/92	4	1		100.8	N	
1	3/15/92	5	1		94.9	N	
1	3/15/92	6	1		73.2	N	
1	3/20/92	1	1		113.6	N	J 91012614332
1	3/20/92	2	1		109.1	N	
1	3/20/92	3	1		105	N	
1	3/20/92	4	1		100.8	N	
1	3/20/92	5	1		95.3	N	
1	3/20/92	6	1		73.2	N	
1	3/29/92	1	1		114.2	N	J 910126143-66
1	3/29/92	2	1		110.1	N	
1	3/29/92	3	1		106.1	N	
1	3/29/92	4	1		101.9	N	
1	3/29/92	5	1		96.6	N	
1	3/29/92	6	1		75	N	
1	4/3/92	1	1		112.6	N	J 910126143-14
1	4/3/92	2	1		108	N	
1	4/3/92	3	1		104	N	
1	4/3/92	4	1		99.8	N	
1	4/3/92	5	1		94.5	N	
1	4/3/92	6	1		73.3	N	
1	4/3/92	13	1		86	N	
1	4/11/92	1	1		113.7	Y	J 910126143064
1	4/11/92	2	1		107.7	N	
1	4/11/92	3	1		105	N	
1	4/11/92	4	1		100.9	N	
1	4/11/92	5	1		95.5	N	
1	4/11/92	6	1		74.1	N	
1	4/17/92	1	1		114.7	Y	J 890523512 20
1	4/17/92	2	1		110	N	
1	4/17/92	3	1		105.8	N	
1	4/17/92	4	1		101.7	N	
1	4/17/92	5	1		96.3	N	
1	4/17/92	6	1		75.4	N	
1	4/25/92	1	1		116.8	Y	J 89052351220
1	4/25/92	2	1		112.4	N	
1	4/25/92	3	1		108.1	N	
1	4/25/92	4	1		103.6	N	
1	4/25/92	5	1		98	N	
1	4/25/92	6	1		77.4	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	4/30/92	1	1		111.2	Y	J 890523512-47
1	4/30/92	2	1		106.4	N	
1	4/30/92	3	1		102.4	N	
1	4/30/92	4	1		98.3	N	
1	4/30/92	5	1		93.1	N	
1	4/30/92	6	1		72.7	N	
1	4/30/92	7	1		114.1	N	
1	4/30/92	8	1		109.1	N	
1	4/30/92	9	1		106	N	
1	4/30/92	10	1		99.9	N	
1	4/30/92	11	1		94.6	N	
1	4/30/92	12	1		89.6	N	
1	4/30/92	13	1		84.7	N	
1	4/30/92	14	1		78.2	N	
1	4/30/92	15	1		73.8	N	
1	4/30/92	16	1		73.5	N	
1	5/8/92	1	1		111.8	Y	J 910126143-48
1	5/8/92	2	1		107.8	N	
1	5/8/92	3	1		103.4	N	
1	5/8/92	4	1		99.74	N	
1	5/8/92	5	1		94.5	N	
1	5/8/92	6	1		74.5	N	
1	5/8/92	7	1		115.4	N	
1	5/8/92	8	1		110.3	N	
1	5/8/92	9	1		107.5	N	
1	5/8/92	10	1		101.3	N	
1	5/8/92	11	1		96	N	
1	5/8/92	12	1		91	N	
1	5/8/92	13	1		86.2	N	
1	5/8/92	14	1		80.1	N	
1	5/8/92	15	1		75.9	N	
1	5/8/92	16	1		75.5	N	
1	5/16/92	1	1		113.9	N	J 910126143-32
1	5/16/92	2	1		110.3	N	
1	5/16/92	3	1		105.6	N	
1	5/16/92	4	1		101.9	N	
1	5/16/92	5	1		96.7	N	
1	5/16/92	6	1		76.6	N	
1	5/16/92	7	1		117.5	Y	
1	5/16/92	8	1		112.3	N	
1	5/16/92	9	1		109.4	N	
1	5/16/92	10	1		103.4	N	
1	5/16/92	11	1		98.1	N	
1	5/16/92	12	1		93.3	N	
1	5/16/92	13	1		88.5	N	
1	5/16/92	14	1		82.4	N	
1	5/16/92	15	1		78	N	
1	5/24/92	1	1		112.8	N	J 890523512-47
1	5/24/92	2	1		109.6	N	
1	5/24/92	3	1		104.9	N	
1	5/24/92	4	1		100.7	N	
1	5/24/92	5	1		95.3	N	
1	5/24/92	6	1		76.1	N	
1	5/28/92	1	1		110.4	Y	J 890523512-47
1	5/28/92	2	1		106.6	N	
1	5/28/92	3	1		102.1	N	
1	5/28/92	4	1		98.4	N	
1	5/28/92	5	1		93.3	N	
1	5/28/92	6	1		74.6	N	
1	5/28/92	7	1		113.8	Y	
1	5/28/92	8	1		109	N	
1	5/28/92	9	1		105	N	
1	5/28/92	10	1		99.7	N	
1	5/28/92	11	1		94.6	N	
1	5/28/92	12	1		89.8	N	
1	5/28/92	13	1		85.3	N	
1	5/28/92	14	1		79.6	N	
1	5/28/92	15	1		75.6	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	5/28/92	16	1		75.4	N	
1	6/5/92	1	1		110.5	Y	J 910126143-50
1	6/5/92	2	1		107.4	N	
1	6/5/92	3	1		103	N	
1	6/5/92	4	1		99.2	N	
1	6/5/92	5	1		93.8	N	
1	6/5/92	6	1		75.2	N	
1	6/13/92	1	1		108.3	N	J 890523512-47
1	6/13/92	2	1		104.7	N	
1	6/13/92	3	1		100	N	
1	6/13/92	4	1		96.5	N	
1	6/13/92	5	1		91.7	N	
1	6/13/92	6	1		73.8	N	
1	6/13/92	7	1		111.6	Y	
1	6/13/92	8	1		106.7	N	
1	6/13/92	9	1		103.8	N	
1	6/13/92	10	1		98	N	
1	6/13/92	11	1		92.4	N	
1	6/13/92	12	1		87.2	N	
1	6/13/92	13	1		83.5	N	
1	6/13/92	14	1		78.1	N	
1	6/13/92	15	1		75	N	
1	6/20/92	1	1		113.2	Y	J 910126143-48
2	6/20/92	1	1		116.5	Y	J 910126143-48
1	6/20/92	2	1		110.3	N	
2	6/20/92	2	1		111.9	N	
1	6/20/92	3	1		105.8	N	
2	6/20/92	3	1		109.1	N	
1	6/20/92	4	1		101.9	N	
2	6/20/92	4	1		103.2	N	
1	6/20/92	5	1		96.6	N	
2	6/20/92	5	1		98	N	
2	6/20/92	6	1		93.8	N	
2	6/20/92	7	1		89.5	N	
2	6/20/92	8	1		84.3	N	
2	6/20/92	9	1		80.6	N	
1	6/20/92	10	1			N	
2	6/20/92	10	1		80.4	N	
1	6/28/92	1	1		112.5	Y	J TI-042 910126143-66
2	6/28/92	1	1		115.8	Y	
1	6/28/92	2	1		109.2	N	
2	6/28/92	2	1		111	N	
1	6/28/92	3	1		104.7	N	
2	6/28/92	3	1		107.9	N	
1	6/28/92	4	1		101.2	N	
2	6/28/92	4	1		102.2	N	
1	6/28/92	5	1		96.2	N	
2	6/28/92	5	1		97.5	N	
1	6/28/92	6	1		79.3	N	
2	6/28/92	6	1		93.1	N	
2	6/28/92	7	1		89.1	N	
2	6/28/92	8	1		84	N	
2	6/28/92	9	1		80.8	N	
1	6/28/92	10	1			N	
2	6/28/92	10	1		80.6	N	
1	7/3/92	1	1		109.9	Y	J TI-041
1	7/3/92	2	1		107.4	N	
1	7/3/92	3	1		103	N	
1	7/3/92	4	1		99.1	N	
1	7/3/92	5	1		94	N	
1	7/3/92	6	1		76.7	N	
1	7/3/92	10	1			N	
1	7/10/92	1	1		111.7	N	J 910126143-42
2	7/10/92	1	1		115	Y	J 910126143-42
1	7/10/92	2	1		107.9	N	
2	7/10/92	2	1		110.1	N	
1	7/10/92	3	1		103.3	N	
2	7/10/92	3	1		106.9	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	7/10/92	4	1		99.7	N	
2	7/10/92	4	1		101.1	N	
1	7/10/92	5	1		94.9	N	
2	7/10/92	5	1		96	N	
1	7/10/92	6	1		78.5	N	
2	7/10/92	6	1		91.5	N	
2	7/10/92	7	1		87.8	N	
2	7/10/92	8	1		82.9	N	
2	7/10/92	9	1		79.9	N	
1	7/10/92	10	1			N	
2	7/10/92	10	1		79.6	N	
1	7/18/92	1	1		112.6	Y	J 910126143-42
2	7/18/92	1	1		115.7	Y	J 910126143-42
1	7/18/92	2	1		109.3	N	
2	7/18/92	2	1		110.9	N	
1	7/18/92	3	1		105	N	
2	7/18/92	3	1		107.9	N	
1	7/18/92	4	1		101.5	N	
2	7/18/92	4	1		102.3	N	
1	7/18/92	5	1		96.8	N	
2	7/18/92	5	1		97.6	N	
1	7/18/92	6	1		80.5	N	
2	7/18/92	6	1		93.4	N	
2	7/18/92	7	1		89.6	N	
2	7/18/92	8	1		85	N	
2	7/18/92	9	1		82	N	
1	7/18/92	10	1			N	
2	7/18/92	10	1		81.9	N	
1	7/24/92	1	1		112.3	Y	J HH-99A 910126143-29
2	7/24/92	1	1		115.6	Y	J HH-99A 910126143-29
1	7/24/92	2	1		108.6	N	
2	7/24/92	2	1		110.8	N	
1	7/24/92	3	1		104.1	N	
2	7/24/92	3	1		107.7	N	
1	7/24/92	4	1		100.6	N	
2	7/24/92	4	1		101.8	N	
1	7/24/92	5	1		96.1	N	
2	7/24/92	5	1		96.8	N	
1	7/24/92	6	1		80.5	N	
2	7/24/92	6	1		88.9	N	
2	7/24/92	7	1		84.3	N	
2	7/24/92	8	1		81.4	N	
2	7/24/92	9	1		81.1	N	
1	7/24/92	10	1			N	
2	7/24/92	10	1		81	N	
1	8/1/92	1	1		113.3	Y	J TI-041
2	8/1/92	1	1		116.6	Y	J TI-041
1	8/1/92	2	1		110.4	N	
2	8/1/92	2	1		111.9	N	
1	8/1/92	3	1		106	N	
2	8/1/92	3	1		109.2	N	
1	8/1/92	4	1		102.1	N	
2	8/1/92	4	1		103.8	N	
1	8/1/92	5	1		97.4	N	
2	8/1/92	5	1		99.1	N	
1	8/1/92	6	1		82.1	N	
2	8/1/92	6	1		94.8	N	
2	8/1/92	7	1		91.5	N	
2	8/1/92	8	1		86.7	N	
2	8/1/92	9	1		83.9	N	
1	8/1/92	10	1			N	
2	8/1/92	10	1		83.8	N	
1	8/7/92	1	1		109	Y	J 890423320-42
2	8/7/92	1	1		113.5	Y	J 890423320-42
1	8/7/92	2	1		106.5	N	
2	8/7/92	2	1		108.7	N	
1	8/7/92	3	1		102.3	N	
2	8/7/92	3	1		105.6	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/7/92	4	1		98.9	N	
2	8/7/92	4	1		100.1	N	
1	8/7/92	5	1		94.6	N	
2	8/7/92	5	1		95.5	N	
1	8/7/92	6	1		80	N	
2	8/7/92	6	1		91.4	N	
2	8/7/92	7	1		88.1	N	
2	8/7/92	8	1		83.6	N	
2	8/7/92	9	1		81	N	
1	8/7/92	10	1			N	
2	8/7/92	10	1		80.6	N	
1	8/15/92	1	1		111.8	Y	J 890423320
2	8/15/92	1	1		115	Y	
1	8/15/92	2	1		108.8	N	
2	8/15/92	2	1		110.4	N	
1	8/15/92	3	1		104.7	N	
2	8/15/92	3	1		107.8	N	
1	8/15/92	4	1		101.1	N	
2	8/15/92	4	1		102.4	N	
1	8/15/92	5	1		96.5	N	
2	8/15/92	5	1		98	N	
1	8/15/92	6	1		82.1	N	
2	8/15/92	6	1		93.9	N	
2	8/15/92	7	1		90.6	N	
2	8/15/92	8	1		86.1	N	
2	8/15/92	9	1		83.4	N	
1	8/15/92	10	1			N	
2	8/15/92	10	1		83.3	N	
1	8/21/92	1	1		110.4	Y	J 890423320-42
2	8/21/92	1	1		113.7	Y	J 890423320-42
1	8/21/92	2	1		106.9	N	
2	8/21/92	2	1		108.8	N	
1	8/21/92	3	1		102.8	N	
2	8/21/92	3	1		105.9	N	
1	8/21/92	4	1		99.4	N	
2	8/21/92	4	1		100.5	N	
1	8/21/92	5	1		95.1	N	
2	8/21/92	5	1		96	N	
1	8/21/92	6	1		81.2	N	
2	8/21/92	6	1		92.1	N	
2	8/21/92	7	1		89.9	N	
2	8/21/92	8	1		84.8	N	
2	8/21/92	9	1		82.2	N	
1	8/21/92	10	1			N	
2	8/21/92	10	1		82	N	
1	8/30/92	1	1		110.8	N	J 890423320-42
2	8/30/92	1	1		114.9	Y	J 890423320-42
1	8/30/92	2	1		108.3	N	
2	8/30/92	2	1		111.2	N	
1	8/30/92	3	1		104.5	N	
2	8/30/92	3	1		107.9	N	
1	8/30/92	4	1		101.2	N	
2	8/30/92	4	1		102.8	N	
1	8/30/92	5	1		92.8	N	
2	8/30/92	5	1		98.5	N	
1	8/30/92	6	1		83.2	N	
2	8/30/92	6	1		94.9	N	
2	8/30/92	7	1		91.7	N	
2	8/30/92	8	1		87.6	N	
2	8/30/92	9	1		84.9	N	
1	8/30/92	10	1			N	
2	8/30/92	10	1		85	N	
1	9/6/92	1	1		110.5	Y	J 890423320-42 LOW RDGS, RECHECK SHOWS IT IS CORRECT
2	9/6/92	1	1		113.8	Y	J 890423320-42 LOW RDGS, RECHECK SHOWS IT IS CORRECT
1	9/6/92	2	1		106.5	N	
2	9/6/92	2	1		108.7	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	9/6/92	3	1		102.8	N	
2	9/6/92	3	1		106.2	N	
1	9/6/92	4	1		99.8	N	
2	9/6/92	4	1		100.8	N	
1	9/6/92	5	1		95.6	N	
2	9/6/92	5	1		96.5	N	
1	9/6/92	6	1		82	N	
2	9/6/92	6	1		92.6	N	
2	9/6/92	7	1		87.6	N	
2	9/6/92	8	1		85.5	N	
2	9/6/92	9	1		82.7	N	
1	9/6/92	10	1			N	
2	9/6/92	10	1		82.6	N	
1	9/12/92	1	1		111.7	Y	J 890423320-42
2	9/12/92	1	1		115.1	Y	J 890423320-42
1	9/12/92	2	1		108.3	N	
2	9/12/92	2	1		110.6	N	
1	9/12/92	3	1		104.3	N	
2	9/12/92	3	1		107.7	N	
1	9/12/92	4	1		101.1	N	
2	9/12/92	4	1		102.3	N	
1	9/12/92	5	1		97.1	N	
2	9/12/92	5	1		98	N	
1	9/12/92	6	1		83.3	N	
2	9/12/92	6	1		94.2	N	
2	9/12/92	7	1		91.2	N	
2	9/12/92	8	1		86.8	N	
2	9/12/92	9	1		84.2	N	
1	9/12/92	10	1			N	
2	9/12/92	10	1		84.1	N	
1	9/20/92	1	1		111.7	Y	J 910126143-64
2	9/20/92	1	1		115	Y	J 910126143-64
1	9/20/92	2	1		108.2	N	
2	9/20/92	2	1		110.5	N	
1	9/20/92	3	1		104.2	N	
2	9/20/92	3	1		107.7	N	
1	9/20/92	4	1		100.8	N	
2	9/20/92	4	1		102.2	N	
1	9/20/92	5	1		96.8	N	
2	9/20/92	5	1		98.1	N	
1	9/20/92	6	1		82.8	N	
2	9/20/92	6	1		94.3	N	
2	9/20/92	7	1		91.4	N	
2	9/20/92	8	1		87	N	
2	9/20/92	9	1		84.2	N	
1	9/20/92	10	1			N	
2	9/20/92	10	1		84.1	N	
1	9/26/92	1	1		110.1	Y	J 910126143-64
2	9/26/92	1	1		113.5	Y	
1	9/26/92	2	1		106.7	N	
2	9/26/92	2	1		108.8	N	
1	9/26/92	3	1		102.7	N	
2	9/26/92	3	1		106	N	
1	9/26/92	4	1		99.67	N	
2	9/26/92	4	1		100.8	N	
1	9/26/92	5	1		95.6	N	
2	9/26/92	5	1		96.6	N	
1	9/26/92	6	1		81.7	N	
2	9/26/92	6	1		92.9	N	
2	9/26/92	7	1		89.8	N	
2	9/26/92	8	1		85.3	N	
2	9/26/92	9	1		82.4	N	
1	9/26/92	10	1			N	
2	9/26/92	10	1		82.3	N	
1	10/1/92	1	1		109.6	Y	
2	10/1/92	1	1		113.6	Y	J 890423320-42
1	10/1/92	2	1		106.7	N	
2	10/1/92	2	1		108.9	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	10/1/92	3	1		102.8	N	
2	10/1/92	3	1		106.2	N	
1	10/1/92	4	1		99.8	N	
2	10/1/92	4	1		101.1	N	
1	10/1/92	5	1		95.9	N	
1	10/1/92	6	1		82	N	
2	10/1/92	6	1		96.8	N	
2	10/1/92	7	1		93.1	N	
2	10/1/92	8	1		89.9	N	
2	10/1/92	9	1		85.4	N	
1	10/1/92	10	1			N	J 910126143-64
2	10/1/92	10	1		82.5	N	
1	10/10/92	1	1		111.4	Y	J 910126143-48
2	10/10/92	1	1		114.3	Y	J 910126143-48
1	10/10/92	2	1		108.1	N	
2	10/10/92	2	1		110.3	N	
1	10/10/92	3	1		104.2	N	
2	10/10/92	3	1		107.7	N	
1	10/10/92	4	1		100.9	N	
2	10/10/92	4	1		102.5	N	
1	10/10/92	5	1		97	N	
2	10/10/92	5	1		98.7	N	
1	10/10/92	6	1		82.6	N	
2	10/10/92	6	1		94.4	N	
2	10/10/92	7	1		91.3	N	
2	10/10/92	8	1		86.4	N	
2	10/10/92	9	1		83.4	N	
1	10/10/92	10	1			N	
2	10/10/92	10	1		83.3	N	
1	10/18/92	1	1		111.5	Y	J 910125143-40
2	10/18/92	1	1		115.1	Y	J 910125143-40
1	10/18/92	2	1		108.1	N	
2	10/18/92	2	1		110.7	N	
1	10/18/92	3	1		104.2	N	
2	10/18/92	3	1		107.8	N	
1	10/18/92	4	1		100.7	N	
2	10/18/92	4	1		102.7	N	
2	10/18/92	5	1		98.5	N	
1	10/18/92	6	1		82	N	
2	10/18/92	6	1		94.7	N	
2	10/18/92	7	1		91.6	N	
2	10/18/92	8	1		86.5	N	
2	10/18/92	9	1		83.3	N	
1	10/18/92	10	1			N	
2	10/18/92	10	1		83.3	N	
1	10/24/92	1	1		112.4	Y	J 910126143-66
2	10/24/92	1	1		115.6	Y	J 910126143-66
1	10/24/92	2	1		109.4	N	
2	10/24/92	2	1		111.4	N	
1	10/24/92	3	1		105.5	N	
2	10/24/92	3	1		108.4	N	
1	10/24/92	4	1		101.8	N	
2	10/24/92	4	1		103.3	N	
1	10/24/92	5	1		96.9	N	
2	10/24/92	5	1		99.1	N	
1	10/24/92	6	1		82.1	N	
2	10/24/92	6	1		95.4	N	
2	10/24/92	7	1		92	N	
2	10/24/92	8	1		86.9	N	
2	10/24/92	9	1		83.6	N	
1	10/24/92	10	1			N	
2	10/24/92	10	1		83.5	N	
1	10/28/92	1	1		112	Y	J 91012614366
2	10/28/92	1	1		115.8	Y	
1	10/28/92	2	1		108.8	N	
2	10/28/92	2	1		111.6	N	
1	10/28/92	3	1		104.9	N	
2	10/28/92	3	1		108.6	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	10/28/92	4	1		101.7	N	
2	10/28/92	4	1		103.6	N	
1	10/28/92	5	1		97.8	N	
2	10/28/92	5	1		99.5	N	
1	10/28/92	6	1		82.5	N	
2	10/28/92	6	1		95.6	N	
2	10/28/92	7	1		92.4	N	
2	10/28/92	8	1		87.2	N	
2	10/28/92	9	1		83.8	N	
1	10/28/92	10	1			N	
2	10/28/92	10	1		83.7	N	
1	11/1/92	1	1		114.6	Y	TMACS
2	11/1/92	1	1		121.4	Y	TMACS TREE #2
1	11/1/92	2	1		111.5	N	
2	11/1/92	2	1		118.5	N	
1	11/1/92	3	1		108.5	N	
2	11/1/92	3	1		112.1	N	
1	11/1/92	4	1		105.2	N	
2	11/1/92	4	1		106.8	N	
1	11/1/92	5	1		102.2	N	
2	11/1/92	5	1		103.2	N	
1	11/1/92	6	1		87	N	
2	11/1/92	6	1		99.5	N	
2	11/1/92	7	1		96	N	
2	11/1/92	8	1		91	N	
2	11/1/92	9	1		87.9	N	
1	11/1/92	10	1			N	
2	11/1/92	10	1		88.8	N	
1	11/7/92	1	1		111.8	Y	J 910126143-48
2	11/7/92	1	1		115.7	Y	J 910126143-48
1	11/7/92	2	1		108.5	N	
2	11/7/92	2	1		111.5	N	
1	11/7/92	3	1		104.7	N	
2	11/7/92	3	1		108.5	N	
1	11/7/92	4	1		101.6	N	
2	11/7/92	4	1		103.5	N	
1	11/7/92	5	1		97.7	N	
2	11/7/92	5	1		99.3	N	
1	11/7/92	6	1		81.5	N	
2	11/7/92	6	1		95.5	N	
2	11/7/92	7	1		91.8	N	
2	11/7/92	8	1		86.1	N	
2	11/7/92	9	1		82.5	N	
1	11/7/92	10	1			N	
2	11/7/92	10	1		82.5	N	
1	11/8/92	1	1		114.2	Y	TMACS
2	11/8/92	1	1		121.1	Y	TMACS TREE #2
1	11/8/92	2	1		111.5	N	
2	11/8/92	2	1		118	N	
1	11/8/92	3	1		107.9	N	
2	11/8/92	3	1		111.9	N	
1	11/8/92	4	1		105	N	
2	11/8/92	4	1		106.8	N	
1	11/8/92	5	1		101.8	N	
2	11/8/92	5	1		102.7	N	
1	11/8/92	6	1		85.8	N	
2	11/8/92	6	1		99.1	N	
2	11/8/92	7	1		95.7	N	
2	11/8/92	8	1		90.3	N	
2	11/8/92	9	1		87.2	N	
1	11/8/92	10	1			N	
2	11/8/92	10	1		87.9	N	
1	11/15/92	1	1		114.6	Y	TMACS
2	11/15/92	1	1		121.4	Y	TMACS
1	11/15/92	2	1		111.7	N	
2	11/15/92	2	1		118.9	N	
1	11/15/92	3	1		108.3	N	
2	11/15/92	3	1		112.1	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/15/92	4	1		105.2	N	
2	11/15/92	4	1		107.2	N	
1	11/15/92	5	1		102.3	N	
2	11/15/92	5	1		103.2	N	
1	11/15/92	6	1		85.8	N	
2	11/15/92	6	1		99.3	N	
2	11/15/92	7	1		95.7	N	
2	11/15/92	8	1		90.1	N	
2	11/15/92	9	1		87	N	
2	11/15/92	10	1		87.9	N	
1	11/20/92	1	1		111.7	Y	J 910126143-48 READINGS LOW
2	11/20/92	1	1		114.7	Y	J 910126143-48 READINGS LOW
1	11/20/92	2	1		107.9	N	
2	11/20/92	2	1		110.6	N	
1	11/20/92	3	1		103.7	N	
2	11/20/92	3	1		107.7	N	
1	11/20/92	4	1		100.5	N	
2	11/20/92	4	1		102.6	N	
1	11/20/92	5	1		96.3	N	
2	11/20/92	5	1		98.3	N	
1	11/20/92	6	1		79.3	N	
2	11/20/92	6	1		94.4	N	
2	11/20/92	7	1		90.2	N	
2	11/20/92	8	1		84.5	N	
2	11/20/92	9	1		80.5	N	
1	11/20/92	10	1			N	
2	11/20/92	10	1		80.4	N	
1	11/22/92	1	1		114	Y	TMACS
2	11/22/92	1	1		120.9	Y	TMACS
1	11/22/92	2	1		111.2	N	
2	11/22/92	2	1		118.2	N	
1	11/22/92	3	1		107.7	N	
2	11/22/92	3	1		112.2	N	
1	11/22/92	4	1		104.7	N	
2	11/22/92	4	1		107.4	N	
1	11/22/92	5	1		101.4	N	
2	11/22/92	5	1		103.6	N	
1	11/22/92	6	1		84.3	N	
2	11/22/92	6	1		99.5	N	
2	11/22/92	7	1		95.7	N	
2	11/22/92	8	1		88.7	N	
2	11/22/92	9	1		86.3	N	
1	11/22/92	10	1			N	
2	11/22/92	10	1		87.4	N	
1	11/29/92	1	1		113.5	Y	TMACS
2	11/29/92	1	1		120.7	Y	TMACS
1	11/29/92	2	1		110.6	N	
2	11/29/92	2	1		117.6	N	
1	11/29/92	3	1		107.2	N	
2	11/29/92	3	1		112.4	N	
1	11/29/92	4	1		104.3	N	
2	11/29/92	4	1		107.6	N	
1	11/29/92	5	1		100.9	N	
2	11/29/92	5	1		103.4	N	
1	11/29/92	6	1		83.1	N	
2	11/29/92	6	1		99.1	N	
2	11/29/92	7	1		95	N	
2	11/29/92	8	1		89	N	
2	11/29/92	9	1		85.2	N	
1	11/29/92	10	1			N	
2	11/29/92	10	1		86.3	N	
1	12/5/92	1	1		109.1	N	J 890423320-42
2	12/5/92	1	1		113.3	N	J 890423320-42
1	12/5/92	2	1		106	N	
2	12/5/92	2	1		109.1	N	
1	12/5/92	3	1		102	N	
2	12/5/92	3	1		106.3	N	
1	12/5/92	4	1		98.8	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
2	12/5/92	4	1		101.3	N	
1	12/5/92	5	1		94.7	N	
2	12/5/92	5	1		97.33	N	
1	12/5/92	6	1		75.9	N	
2	12/5/92	6	1		92.7	N	
1	12/5/92	10	1			N	
2	12/5/92	10	1			N	
1	12/6/92	1	1		113.1	Y	TMACS RISER 10C
2	12/6/92	1	1		120.3	Y	TMACS RISER 1
1	12/6/92	2	1		110.3	N	
2	12/6/92	2	1		117.3	N	
1	12/6/92	3	1		106.7	N	
2	12/6/92	3	1		112.2	N	
1	12/6/92	4	1		104.1	N	
2	12/6/92	4	1		107.6	N	
1	12/6/92	5	1		100.5	N	
2	12/6/92	5	1		103.2	N	
1	12/6/92	6	1		81.8	N	
2	12/6/92	6	1		99.3	N	
2	12/6/92	7	1		94.6	N	
2	12/6/92	8	1		88.3	N	
2	12/6/92	9	1		84.5	N	
1	12/6/92	10	1			N	
2	12/6/92	10	1		85.6	N	
1	12/13/92	1	1		113.3	Y	TMACS
2	12/13/92	1	1		120.7	Y	TMACS
1	12/13/92	2	1		110.4	N	
2	12/13/92	2	1		117.6	N	
1	12/13/92	3	1		106.8	N	
2	12/13/92	3	1		111.9	N	
1	12/13/92	4	1		104.3	N	
2	12/13/92	4	1		107	N	
1	12/13/92	5	1		100.5	N	
2	12/13/92	5	1		102.9	N	
1	12/13/92	6	1		81.1	N	
2	12/13/92	6	1		98.2	N	
2	12/13/92	7	1		93.7	N	
2	12/13/92	8	1		87	N	
2	12/13/92	9	1		83.3	N	
1	12/13/92	10	1			N	
2	12/13/92	10	1		84.2	N	
1	12/19/92	1	1		112	Y	J 910126143-14
2	12/19/92	1	1		116.1	Y	J 910126143-14
1	12/19/92	2	1		108.7	N	
2	12/19/92	2	1		112	N	
1	12/19/92	3	1		104.8	N	
2	12/19/92	3	1		109.1	N	
1	12/19/92	4	1		101.6	N	
2	12/19/92	4	1		103.9	N	
1	12/19/92	5	1		97.2	N	
2	12/19/92	5	1		99.4	N	
1	12/19/92	6	1		77.1	N	
2	12/19/92	6	1		94.8	N	
2	12/19/92	7	1		89.7	N	
2	12/19/92	8	1		83	N	
2	12/19/92	9	1		78.6	N	
1	12/19/92	10	1			N	
2	12/19/92	10	1		78.5	N	
1	12/20/92	1	1		113.1	Y	TMACS
2	12/20/92	1	1		120.3	Y	TMACS
1	12/20/92	2	1		110.1	N	
2	12/20/92	2	1		117.3	N	
1	12/20/92	3	1		106.7	N	
2	12/20/92	3	1		112.2	N	
1	12/20/92	4	1		103.6	N	
2	12/20/92	4	1		107.2	N	
1	12/20/92	5	1		100.2	N	
2	12/20/92	5	1		102.9	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/20/92	6	1		80.2	N	
2	12/20/92	6	1		98.2	N	
2	12/20/92	7	1		93.3	N	
2	12/20/92	8	1		86.9	N	
2	12/20/92	9	1		82.7	N	
1	12/20/92	10	1			N	
2	12/20/92	10	1		83.4	N	
1	12/25/92	1	1		114.2	Y	J 890523512-20
2	12/25/92	1	1		117.7	Y	J 890523512-20
1	12/25/92	2	1		110.5	N	
2	12/25/92	2	1		113.4	N	
1	12/25/92	3	1		106.2	N	
2	12/25/92	3	1		110.6	N	
1	12/25/92	4	1		103	N	
2	12/25/92	4	1		105.3	N	
1	12/25/92	5	1		98.3	N	
2	12/25/92	5	1		100.4	N	
1	12/25/92	6	1		77.7	N	
2	12/25/92	6	1		95.7	N	
2	12/25/92	7	1		90.2	N	
2	12/25/92	8	1		79.1	N	
2	12/25/92	9	1		79.1	N	
1	12/25/92	10	1			N	
2	12/25/92	10	1		78.8	N	
1	12/27/92	1	1		113.7	Y	TMACS
2	12/27/92	1	1		120.9	Y	TMACS
1	12/27/92	2	1		110.6	N	
2	12/27/92	2	1		117.8	N	
1	12/27/92	3	1		107.2	N	
2	12/27/92	3	1		111.9	N	
1	12/27/92	4	1		104.3	N	
2	12/27/92	4	1		106.8	N	
1	12/27/92	5	1		100.4	N	
2	12/27/92	5	1		102.5	N	
1	12/27/92	6	1		79.8	N	
2	12/27/92	6	1		97.8	N	
2	12/27/92	7	1		93	N	
2	12/27/92	8	1		85.1	N	
2	12/27/92	9	1		82	N	
1	12/27/92	10	1			N	
2	12/27/92	10	1		82.9	N	
1	1/1/93	1	1		112	Y	J 890523512-47
2	1/1/93	1	1		116.3	Y	J 890523512-47
1	1/1/93	2	1		109.8	N	
2	1/1/93	2	1		113.5	N	
1	1/1/93	3	1		105.8	N	
2	1/1/93	3	1		109.9	N	
1	1/1/93	4	1		102.7	N	
2	1/1/93	4	1		105	N	
1	1/1/93	5	1		98.2	N	
2	1/1/93	5	1		99.9	N	
1	1/1/93	6	1		76.3	N	
2	1/1/93	6	1		94.7	N	
2	1/1/93	7	1		89.8	N	
2	1/1/93	8	1		77.6	N	
2	1/1/93	9	1		77.6	N	
1	1/1/93	10	1			N	
2	1/1/93	10	1		78	N	
1	1/3/93	1	1		113	Y	TMACS
2	1/3/93	1	1		120.7	Y	TMACS
1	1/3/93	2	1		110.1	N	
2	1/3/93	2	1		117.6	N	
1	1/3/93	3	1		106.5	N	
2	1/3/93	3	1		112.8	N	
1	1/3/93	4	1		103.6	N	
2	1/3/93	4	1		107.7	N	
1	1/3/93	5	1		99.8	N	
2	1/3/93	5	1		103.2	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/3/93	6	1		78.6	N	
2	1/3/93	6	1		98.4	N	
2	1/3/93	7	1		93.3	N	
2	1/3/93	8	1		85.6	N	
2	1/3/93	9	1		82.2	N	
1	1/3/93	10	1			N	
2	1/3/93	10	1		82.9	N	
2	1/9/93	1	1		116.7	Y	J 890523518-47
2	1/9/93	2	1		112.7	N	
2	1/9/93	3	1		109.6	N	
2	1/9/93	4	1		104.3	N	
2	1/9/93	5	1		99.3	N	
2	1/9/93	6	1		94.4	N	
1	1/10/93	1	1		112.6	Y	TMACS
2	1/10/93	1	1		120	Y	TMACS
1	1/10/93	2	1		109.7	N	
2	1/10/93	2	1		117.1	N	
1	1/10/93	3	1		105.9	N	
2	1/10/93	3	1		112.4	N	
1	1/10/93	4	1		102.9	N	
2	1/10/93	4	1		107.2	N	
1	1/10/93	5	1		99.1	N	
2	1/10/93	5	1		102.3	N	
1	1/10/93	6	1		77.3	N	
2	1/10/93	6	1		97.7	N	
2	1/10/93	7	1		92.4	N	
2	1/10/93	8	1		84.2	N	
2	1/10/93	9	1		80.7	N	
1	1/10/93	10	1			N	
2	1/10/93	10	1		81.6	N	
1	1/17/93	1	1		113.1	Y	TMACS
2	1/17/93	1	1		120.5	Y	TMACS
1	1/17/93	2	1		110.3	N	
2	1/17/93	2	1		117.6	N	
1	1/17/93	3	1		106.5	N	
2	1/17/93	3	1		112.2	N	
1	1/17/93	4	1		103.8	N	
2	1/17/93	4	1		107	N	
1	1/17/93	5	1		99.5	N	
2	1/17/93	5	1		102.2	N	
1	1/17/93	6	1		77.5	N	
2	1/17/93	6	1		97.1	N	
2	1/17/93	7	1		91.7	N	
2	1/17/93	8	1		83.6	N	
2	1/17/93	9	1		80	N	
1	1/17/93	10	1			N	
2	1/17/93	10	1		81.1	N	
1	1/18/93	1	1		112.3	Y	J TI-042
2	1/18/93	1	1		116.6	Y	J TI-042
1	1/18/93	2	1		109.1	N	
2	1/18/93	2	1		112.6	N	
1	1/18/93	3	1		104.9	N	
2	1/18/93	3	1		109.5	N	
1	1/18/93	4	1		101.8	N	
2	1/18/93	4	1		104.1	N	
1	1/18/93	5	1		96.9	N	
2	1/18/93	5	1		99.1	N	
1	1/18/93	6	1		74.7	N	
2	1/18/93	6	1		94	N	
2	1/18/93	7	1		88.1	N	
2	1/18/93	8	1		79.6	N	
2	1/18/93	9	1		76	N	
1	1/18/93	10	1			N	
2	1/18/93	10	1		76	N	
1	1/23/93	1	1		115	Y	J 890523512-20
1	1/23/93	2	1		111.9	N	
1	1/23/93	3	1		107.5	N	
1	1/23/93	4	1		104.3	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/23/93	5	1		99.4	N	
1	1/23/93	6	1		76.6	N	
1	1/24/93	1	1		114	Y	TMACS
2	1/24/93	1	1		121.2	Y	TMACS
1	1/24/93	2	1		111.2	N	
2	1/24/93	2	1		117.8	N	
1	1/24/93	3	1		107.2	N	
2	1/24/93	3	1		111.5	N	
1	1/24/93	4	1		104.3	N	
2	1/24/93	4	1		106.1	N	
1	1/24/93	5	1		99.8	N	
2	1/24/93	5	1		101.3	N	
1	1/24/93	6	1		77.1	N	
2	1/24/93	6	1		95.9	N	
2	1/24/93	7	1		89.6	N	
2	1/24/93	8	1		80.7	N	
2	1/24/93	9	1		78.2	N	
2	1/24/93	10	1		78.8	N	
1	1/31/93	1	1		111.9	Y	J 910126143-40
1	1/31/93	1	2		114.08	Y	TMACS
2	1/31/93	1	1		121.28	Y	TMACS
1	1/31/93	2	1		108.8	N	
1	1/31/93	2	2		110.84	N	
2	1/31/93	2	1		118.22	N	
1	1/31/93	3	1		104.8	N	
1	1/31/93	3	2		107.24	N	
2	1/31/93	3	1		112.1	N	
1	1/31/93	4	1		101.6	N	
1	1/31/93	4	2		104.54	N	
2	1/31/93	4	1		106.52	N	
1	1/31/93	5	1		96.5	N	
1	1/31/93	5	2		99.86	N	
2	1/31/93	5	1		101.48	N	
1	1/31/93	6	1		73.8	N	
1	1/31/93	6	2		77.18	N	
2	1/31/93	6	1		95.9	N	
2	1/31/93	7	1		89.96	N	
2	1/31/93	8	1		81.68	N	
2	1/31/93	9	1		78.98	N	
1	1/31/93	10	1			N	
1	1/31/93	10	2			N	
2	1/31/93	10	1		79.7	N	
1	2/5/93	1	1		114.2	Y	J 910126143-50
2	2/5/93	1	1		118.5	Y	J 910126143-50
1	2/5/93	2	1		111.1	N	
2	2/5/93	2	1		114.2	N	
1	2/5/93	3	1		106.6	N	
2	2/5/93	3	1		111.1	N	
1	2/5/93	4	1		103.3	N	
2	2/5/93	4	1		105.4	N	
1	2/5/93	5	1		98.1	N	
2	2/5/93	5	1		100.2	N	
1	2/5/93	6	1		74.8	N	
2	2/5/93	6	1		94.9	N	
2	2/5/93	7	1		88.3	N	
2	2/5/93	8	1		79.8	N	
2	2/5/93	9	1		76.4	N	
1	2/5/93	10	1			N	
2	2/5/93	10	1		76.3	N	
1	2/8/93	1	1		114.26	Y	TMACS
2	2/8/93	1	1		121.46	Y	TMACS
1	2/8/93	2	1		111.02	N	
2	2/8/93	2	1		118.4	N	
1	2/8/93	3	1		106.88	N	
2	2/8/93	3	1		111.92	N	
1	2/8/93	4	1		104.36	N	
2	2/8/93	4	1		106.52	N	
1	2/8/93	5	1		99.68	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
2	2/8/93	5	1		101.48	N	
1	2/8/93	6	1		76.82	N	
2	2/8/93	6	1		95.9	N	
2	2/8/93	7	1		89.96	N	
2	2/8/93	8	1		81.68	N	
2	2/8/93	9	1		78.8	N	
1	2/8/93	10	1			N	
2	2/8/93	10	1		79.34	N	
1	2/12/93	1	1		110	Y	J 890423320-42
2	2/12/93	1	1		113.9	Y	J 890423320-42
1	2/12/93	2	1		106.5	N	
2	2/12/93	2	1		109.6	N	
1	2/12/93	3	1		102.7	N	
2	2/12/93	3	1		106.5	N	
1	2/12/93	4	1		98.8	N	
2	2/12/93	4	1		100.7	N	
1	2/12/93	5	1		93.7	N	
2	2/12/93	5	1		95.3	N	
1	2/12/93	6	1		70.8	N	
2	2/12/93	6	1		89.9	N	
2	2/12/93	7	1		83.7	N	
2	2/12/93	8	1		75.4	N	
2	2/12/93	9	1		71.9	N	
1	2/12/93	10	1			N	
2	2/12/93	10	1		71.7	N	
1	2/15/93	1	1		113.7	Y	TMACS
2	2/15/93	1	1		120.7	Y	TMACS
1	2/15/93	2	1		110.7	N	
2	2/15/93	2	1		117.7	N	
1	2/15/93	3	1		106.7	N	
2	2/15/93	3	1		111.9	N	
1	2/15/93	4	1		103.3	N	
2	2/15/93	4	1		106.5	N	
1	2/15/93	5	1		99.14	N	
2	2/15/93	5	1		101.3	N	
1	2/15/93	6	1		76.14	N	
2	2/15/93	6	1		95.7	N	
2	2/15/93	7	1		90	N	
2	2/15/93	8	1		81.68	N	
2	2/15/93	9	1		78.62	N	
1	2/15/93	10	1			N	
2	2/15/93	10	1		79.34	N	
1	2/21/93	1	1		111.9	Y	J 910126143-48
1	2/21/93	1	2		113	Y	TMACS
2	2/21/93	1	1		115.9	Y	
2	2/21/93	1	2		120.38	Y	TMACS
1	2/21/93	2	1		108.2	N	
1	2/21/93	2	2		109.76	N	
2	2/21/93	2	1		111.8	N	
2	2/21/93	2	2		116.78	N	
1	2/21/93	3	1		103.7	N	
1	2/21/93	3	2		105.98	N	
2	2/21/93	3	1		108.5	N	
2	2/21/93	3	2		111.74	N	
1	2/21/93	4	1		100.3	N	
1	2/21/93	4	2		102.74	N	
2	2/21/93	4	1		102.6	N	
2	2/21/93	4	2		105.98	N	
1	2/21/93	5	1		95.2	N	
1	2/21/93	5	2		98.42	N	
2	2/21/93	5	1		97.2	N	
2	2/21/93	5	2		100.76	N	
1	2/21/93	6	1		71.8	N	
1	2/21/93	6	2		74.84	N	
2	2/21/93	6	1		91.7	N	
2	2/21/93	6	2		95.18	N	
2	2/21/93	7	1		85.4	N	
2	2/21/93	7	2		89.6	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
2	2/21/93	8	1		76.7	N	
2	2/21/93	8	2		80.6	N	
2	2/21/93	9	1		73.2	N	
2	2/21/93	9	2		77.54	N	
1	2/21/93	10	1			N	
1	2/21/93	10	2			N	
2	2/21/93	10	1		78	N	
2	2/21/93	10	2		78.08	N	
1	2/27/93	1	1		118	Y	J 900925741-79
2	2/27/93	1	1		124	Y	
1	2/27/93	2	1		115	N	
2	2/27/93	2	1		118	N	
1	2/27/93	3	1		110	N	
2	2/27/93	3	1		112	N	
1	2/27/93	4	1		106	N	
2	2/27/93	4	1		106	N	
1	2/27/93	5	1		104	N	
2	2/27/93	5	1		101	N	
1	2/27/93	6	1		77	N	
2	2/27/93	6	1		95	N	
2	2/27/93	7	1		89	N	
2	2/27/93	8	1		80	N	
2	2/27/93	9	1		76	N	
1	2/27/93	10	1			N	
2	2/27/93	10	1		76	N	
1	3/1/93	1	1		112.82	Y	TMACS
2	3/1/93	1	1		120.2	Y	TMACS
1	3/1/93	2	1		109.58	N	
2	3/1/93	2	1		116.42	N	
1	3/1/93	3	1		105.8	N	
2	3/1/93	3	1		111.56	N	
1	3/1/93	4	1		102.56	N	
2	3/1/93	4	1		105.8	N	
1	3/1/93	5	1		97.88	N	
2	3/1/93	5	1		100.58	N	
1	3/1/93	6	1		74.3	N	
2	3/1/93	6	1		94.82	N	
2	3/1/93	7	1		88.88	N	
2	3/1/93	8	1		80.24	N	
2	3/1/93	9	1		76.82	N	
1	3/1/93	10	1			N	
2	3/1/93	10	1		77.54	N	
1	3/5/93	1	1		110.4	Y	J 900925741-79
2	3/5/93	1	1		113.8	Y	J 900925741-79
1	3/5/93	2	1		106.6	N	
2	3/5/93	2	1		109.6	N	
1	3/5/93	3	1		102.2	N	
2	3/5/93	3	1		106.1	N	
1	3/5/93	4	1		98.6	N	
2	3/5/93	4	1		100.3	N	
1	3/5/93	5	1		93.2	N	
2	3/5/93	5	1		94.9	N	
1	3/5/93	6	1		69.6	N	
2	3/5/93	6	1		89.4	N	
2	3/5/93	7	1		83.1	N	
2	3/5/93	8	1		74.7	N	
2	3/5/93	9	1		70.9	N	
1	3/5/93	10	1			N	
2	3/5/93	10	1		70.8	N	
1	3/8/93	1	1		114.26	Y	TMACS
2	3/8/93	1	1		121.46	Y	TMACS
1	3/8/93	2	1		110.84	N	
2	3/8/93	2	1		118.22	N	
1	3/8/93	3	1		106.88	N	
2	3/8/93	3	1		111.2	N	
1	3/8/93	4	1		103.82	N	
2	3/8/93	4	1		105.26	N	
1	3/8/93	5	1		98.96	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
2	3/8/93	5	1		99.86	N	
1	3/8/93	6	1		75.56	N	
2	3/8/93	6	1		94.28	N	
2	3/8/93	7	1		88.16	N	
2	3/8/93	8	1		79.7	N	
2	3/8/93	9	1		76.64	N	
1	3/8/93	10	1			N	
2	3/8/93	10	1		77.36	N	
1	3/11/93	1	1		110	Y	J 890423320-42
2	3/11/93	1	1		121.1	Y	TMACS
1	3/11/93	2	1		107.5	N	
2	3/11/93	2	1		117.7	N	
1	3/11/93	3	1		102.2	N	
2	3/11/93	3	1		117.7	N	
1	3/11/93	4	1		98.5	N	
2	3/11/93	4	1		105.8	N	
1	3/11/93	5	1		92.7	N	
2	3/11/93	5	1		100.4	N	
1	3/11/93	6	1		69.2	N	
2	3/11/93	6	1		94.6	N	
2	3/11/93	7	1		88.3	N	
2	3/11/93	8	1		80.2	N	
2	3/11/93	9	1		77.2	N	
1	3/11/93	10	1			N	
2	3/11/93	10	1		77.5	N	
1	3/15/93	1	1		114.8	Y	TMACS
2	3/15/93	1	1		121.46	Y	TMACS
1	3/15/93	2	1		111.2	N	
2	3/15/93	2	1		118.04	N	
1	3/15/93	3	1		107.24	N	
2	3/15/93	3	1		111.74	N	
1	3/15/93	4	1		104.18	N	
2	3/15/93	4	1		105.44	N	
1	3/15/93	5	1		99.32	N	
2	3/15/93	5	1		100.22	N	
1	3/15/93	6	1		75.56	N	
2	3/15/93	6	1		94.64	N	
2	3/15/93	7	1		88.34	N	
2	3/15/93	8	1		80.06	N	
2	3/15/93	9	1		76.82	N	
1	3/15/93	10	1			N	
2	3/15/93	10	1		77.72	N	
1	3/22/93	1	1		114.62	Y	TMACS
2	3/22/93	1	1		122	Y	TMACS
1	3/22/93	2	1		111.2	N	
2	3/22/93	2	1		118.22	N	
1	3/22/93	3	1		107.06	N	
2	3/22/93	3	1		111.74	N	
1	3/22/93	4	1		104.18	N	
2	3/22/93	4	1		105.44	N	
1	3/22/93	5	1		99.15	N	
2	3/22/93	5	1		100.22	N	
1	3/22/93	6	1		75.74	N	
2	3/22/93	6	1		94.64	N	
2	3/22/93	7	1		88.34	N	
2	3/22/93	8	1		80.24	N	
2	3/22/93	9	1		77.18	N	
1	3/22/93	10	1			N	
2	3/22/93	10	1		78.08	N	
1	3/29/93	1	1		114.26	Y	TMACS
2	3/29/93	1	1		121.28	Y	
1	3/29/93	2	1		110.84	N	
2	3/29/93	2	1		118.22	N	TMACS
1	3/29/93	3	1		106.52	N	
2	3/29/93	3	1		111.56	N	
1	3/29/93	4	1		103.46	N	
2	3/29/93	4	1		105.44	N	
1	3/29/93	5	1		98.42	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
2	3/29/93	5	1		100.04	N	
1	3/29/93	6	1		75.38	N	
2	3/29/93	6	1		94.46	N	
1	3/29/93	7	1			N	
2	3/29/93	7	1		88.34	N	
1	3/29/93	8	1			N	
2	3/29/93	8	1		80.42	N	
1	3/29/93	9	1			N	
2	3/29/93	9	1		77.54	N	
1	3/29/93	10	1			N	
1	3/29/93	11	1			N	
1	3/29/93	12	1			N	
2	3/29/93	12	1		78.08	N	
1	3/29/93	13	1			N	
1	3/29/93	14	1			N	
1	3/29/93	15	1			N	
1	3/29/93	16	1			N	
1	4/5/93	1	1		113.9	Y	TMACS
2	4/5/93	1	1		120.74	Y	TMACS
1	4/5/93	2	1		110.3	N	
2	4/5/93	2	1		117.14	N	
1	4/5/93	3	1		106.16	N	
2	4/5/93	3	1		110.66	N	
1	4/5/93	4	1		103.28	N	
2	4/5/93	4	1		104.9	N	
1	4/5/93	5	1		98.06	N	
2	4/5/93	5	1		99.5	N	
1	4/5/93	6	1		75.2	N	
2	4/5/93	6	1		93.38	N	
1	4/5/93	7	1			N	
2	4/5/93	7	1		87.44	N	
1	4/5/93	8	1			N	
2	4/5/93	8	1		80.06	N	
1	4/5/93	9	1			N	
2	4/5/93	9	1		77	N	
1	4/5/93	10	1			N	
1	4/5/93	11	1			N	
1	4/5/93	12	1			N	
2	4/5/93	12	1		77.72	N	
1	4/5/93	13	1			N	
1	4/5/93	14	1			N	
1	4/5/93	15	1			N	
1	4/5/93	16	1			N	
1	4/12/93	1	1		114.26	Y	TMAC
2	4/12/93	1	1		121.46	Y	TMAC
1	4/12/93	2	1		111.02	N	
2	4/12/93	2	1		117.86	N	
1	4/12/93	3	1		106.7	N	
2	4/12/93	3	1		111.2	N	
1	4/12/93	4	1		103.46	N	
2	4/12/93	4	1		104.72	N	
1	4/12/93	5	1		98.42	N	
2	4/12/93	5	1		99.32	N	
1	4/12/93	6	1		75.92	N	
2	4/12/93	6	1		93.74	N	
1	4/12/93	7	1			N	
2	4/12/93	7	1		87.62	N	
1	4/12/93	8	1			N	
2	4/12/93	8	1		79.7	N	
1	4/12/93	9	1			N	
2	4/12/93	9	1		77	N	
1	4/12/93	10	1			N	
1	4/12/93	11	1			N	
1	4/12/93	12	1			N	
2	4/12/93	12	1		77.54	N	
1	4/12/93	13	1			N	
1	4/12/93	14	1			N	
1	4/12/93	15	1			N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	4/12/93	16	1			N	
1	4/19/93	1	1		113.9	Y	TMACS
2	4/19/93	1	1		121.1	Y	TMACS
1	4/19/93	2	1		110.3	N	
2	4/19/93	2	1		117.32	N	
1	4/19/93	3	1		106.16	N	
2	4/19/93	3	1		111.02	N	
1	4/19/93	4	1		102.92	N	
2	4/19/93	4	1		104.72	N	
1	4/19/93	5	1		98.06	N	
2	4/19/93	5	1		99.5	N	
1	4/19/93	6	1		75.74	N	
2	4/19/93	6	1		93.74	N	
1	4/19/93	7	1			N	
2	4/19/93	7	1		87.8	N	
1	4/19/93	8	1			N	
2	4/19/93	8	1		80.24	N	
1	4/19/93	9	1			N	
2	4/19/93	9	1		77.36	N	
1	4/19/93	10	1			N	
1	4/19/93	11	1			N	
1	4/19/93	12	1			N	
2	4/19/93	12	1		78.08	N	
1	4/19/93	13	1			N	
1	4/19/93	14	1			N	
1	4/19/93	15	1			N	
1	4/19/93	16	1			N	
1	4/25/93	1	1		113.9	Y	TMACS
2	4/25/93	1	1		121.1	Y	TMACS
1	4/25/93	2	1		110.3	N	
2	4/25/93	2	1		117.14	N	
1	4/25/93	3	1		106.16	N	
2	4/25/93	3	1		111.02	N	
1	4/25/93	4	1		102.74	N	
2	4/25/93	4	1		104.54	N	
1	4/25/93	5	1		97.88	N	
2	4/25/93	5	1		99.14	N	
1	4/25/93	6	1		76.28	N	
2	4/25/93	6	1		93.56	N	
1	4/25/93	7	1			N	
2	4/25/93	7	1		87.8	N	
1	4/25/93	8	1			N	
2	4/25/93	8	1		80.42	N	
1	4/25/93	9	1			N	
2	4/25/93	9	1		77.54	N	
1	4/25/93	10	1			N	
1	4/25/93	11	1			N	
1	4/25/93	12	1			N	
2	4/25/93	12	1		78.26	N	
1	4/25/93	13	1			N	
1	4/25/93	14	1			N	
1	4/25/93	15	1			N	
1	4/25/93	16	1			N	
1	5/3/93	1	1		114.62	Y	TMACS
2	5/3/93	1	1		121.82	Y	TMACS
1	5/3/93	2	1		111.2	N	
2	5/3/93	2	1		118.04	N	
1	5/3/93	3	1		106.88	N	
2	5/3/93	3	1		110.12	N	
1	5/3/93	4	1		103.1	N	
2	5/3/93	4	1		104.18	N	
1	5/3/93	5	1		98.6	N	
2	5/3/93	5	1		98.96	N	
1	5/3/93	6	1		77	N	
2	5/3/93	6	1		93.2	N	
1	5/3/93	7	1			N	
2	5/3/93	7	1		87.44	N	
1	5/3/93	8	1			N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
2	5/3/93	8	1		80.6	N	
1	5/3/93	9	1			N	
2	5/3/93	9	1		77.9	N	
1	5/3/93	10	1			N	
1	5/3/93	11	1			N	
1	5/3/93	12	1			N	
2	5/3/93	12	1		78.62	N	
1	5/3/93	13	1			N	
1	5/3/93	14	1			N	
1	5/3/93	15	1			N	
1	5/3/93	16	1			N	
1	5/8/93	1	1		111.6	Y	J 910126143-50
1	5/8/93	2	1		107.6	N	
1	5/8/93	3	1		102.7	N	
1	5/8/93	4	1		99	N	
1	5/8/93	5	1		93.3	N	
1	5/8/93	6	1		71.6	N	
1	5/8/93	7	1		115	N	
1	5/8/93	8	1		110	N	
1	5/8/93	9	1		106.8	N	
1	5/8/93	10	1		100.4	N	
1	5/8/93	11	1		94.7	N	
1	5/8/93	12	1		89.1	N	
1	5/8/93	13	1		83.3	N	
1	5/8/93	14	1		76.2	N	
1	5/8/93	15	1		72.9	N	
1	5/8/93	16	1		72.6	N	
1	5/10/93	1	1		114.62	Y	TMACS
2	5/10/93	1	1		121.46	Y	TMACS
1	5/10/93	2	1		111.02	N	
2	5/10/93	2	1		117.68	N	
1	5/10/93	3	1		106.88	N	
2	5/10/93	3	1		109.94	N	
1	5/10/93	4	1		103.46	N	
2	5/10/93	4	1		103.82	N	
1	5/10/93	5	1		98.42	N	
2	5/10/93	5	1		98.6	N	
1	5/10/93	6	1		77.36	N	
2	5/10/93	6	1		92.84	N	
1	5/10/93	7	1			N	
2	5/10/93	7	1		87.26	N	
1	5/10/93	8	1			N	
2	5/10/93	8	1		80.24	N	
1	5/10/93	9	1			N	
2	5/10/93	9	1		77.9	N	
1	5/10/93	10	1			N	
1	5/10/93	11	1			N	
1	5/10/93	12	1			N	
2	5/10/93	12	1		78.44	N	
1	5/10/93	13	1			N	
1	5/10/93	14	1			N	
1	5/10/93	15	1			N	
1	5/10/93	16	1			N	
1	5/17/93	1	1		114.8	Y	TMACS
2	5/17/93	1	1		121.64	Y	TMACS
1	5/17/93	2	1		111.2	N	
2	5/17/93	2	1		117.68	N	
1	5/17/93	3	1		107.24	N	
2	5/17/93	3	1		110.12	N	
1	5/17/93	4	1		103.64	N	
2	5/17/93	4	1		103.82	N	
1	5/17/93	5	1		98.78	N	
2	5/17/93	5	1		98.6	N	
1	5/17/93	6	1		78.26	N	
2	5/17/93	6	1		92.84	N	
1	5/17/93	7	1			N	
2	5/17/93	7	1		87.62	N	
1	5/17/93	8	1			N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
2	5/17/93	8	1		80.96	N	
1	5/17/93	9	1			N	
2	5/17/93	9	1		78.62	N	
1	5/17/93	10	1			N	
1	5/17/93	11	1			N	
1	5/17/93	12	1			N	
2	5/17/93	12	1		79.16	N	
1	5/17/93	13	1			N	
1	5/17/93	14	1			N	
1	5/17/93	15	1			N	
1	5/17/93	16	1			N	
1	5/24/93	1	1		114.26	Y	TMACS
2	5/24/93	1	1		121.28	Y	TMACS
1	5/24/93	2	1		110.84	N	
2	5/24/93	2	1		117.14	N	
1	5/24/93	3	1		106.7	N	
2	5/24/93	3	1		109.76	N	
1	5/24/93	4	1		103.64	N	
2	5/24/93	4	1		103.64	N	
1	5/24/93	5	1		98.42	N	
2	5/24/93	5	1		98.42	N	
1	5/24/93	6	1		78.44	N	
2	5/24/93	6	1		92.66	N	
1	5/24/93	7	1			N	
2	5/24/93	7	1		87.44	N	
1	5/24/93	8	1			N	
2	5/24/93	8	1		81.14	N	
1	5/24/93	9	1			N	
2	5/24/93	9	1		78.98	N	
1	5/24/93	10	1			N	
2	5/24/93	10	1		79.7	N	
1	5/24/93	11	1			N	
1	5/24/93	12	1			N	
1	5/24/93	13	1			N	
1	5/24/93	14	1			N	
1	5/24/93	15	1			N	
1	5/24/93	16	1			N	
1	5/31/93	1	1		114.44	Y	TMACS
2	5/31/93	1	1		121.1	Y	TMACS
1	5/31/93	2	1		110.66	N	
2	5/31/93	2	1		117.14	N	
1	5/31/93	3	1		106.52	N	
2	5/31/93	3	1		109.76	N	
1	5/31/93	4	1		103.46	N	
2	5/31/93	4	1		103.64	N	
1	5/31/93	5	1		98.42	N	
2	5/31/93	5	1		98.42	N	
1	5/31/93	6	1		78.98	N	
2	5/31/93	6	1		92.84	N	
1	5/31/93	7	1			N	
2	5/31/93	7	1		87.8	N	
1	5/31/93	8	1			N	
2	5/31/93	8	1		81.68	N	
1	5/31/93	9	1			N	
2	5/31/93	9	1		79.34	N	
1	5/31/93	10	1			N	
1	5/31/93	11	1			N	
1	5/31/93	12	1			N	
2	5/31/93	12	1		80.42	N	
1	5/31/93	13	1			N	
2	5/31/93	13	1			N	
1	5/31/93	14	1			N	
2	5/31/93	14	1			N	
1	5/31/93	15	1			N	
2	5/31/93	15	1			N	
1	5/31/93	16	1			N	
2	5/31/93	16	1			N	
1	6/7/93	1	1		114.08	Y	TMACS

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
2	6/7/93	1	1		120.74	Y	TMACS
1	6/7/93	2	1		110.48	N	
2	6/7/93	2	1		116.78	N	
1	6/7/93	3	1		106.16	N	
2	6/7/93	3	1		110.12	N	
1	6/7/93	4	1		102.92	N	
2	6/7/93	4	1		104	N	
1	6/7/93	5	1		98.42	N	
2	6/7/93	5	1		98.78	N	
1	6/7/93	6	1		79.34	N	
2	6/7/93	6	1		93.74	N	
2	6/7/93	7	1		88.52	N	
2	6/7/93	8	1		82.76	N	
2	6/7/93	9	1		80.42	N	
2	6/7/93	12	1		81.14	N	
1	6/14/93	1	1		114.8	Y	TMACS
2	6/14/93	1	1		121.1	Y	TMACS
1	6/14/93	2	1		110.84	N	
2	6/14/93	2	1		116.96	N	
1	6/14/93	3	1		106.88	N	
2	6/14/93	3	1		109.58	N	
1	6/14/93	4	1		103.46	N	
2	6/14/93	4	1		103.46	N	
1	6/14/93	5	1		98.6	N	
2	6/14/93	5	1		98.42	N	
1	6/14/93	6	1		80.24	N	
2	6/14/93	6	1		93.02	N	
2	6/14/93	7	1		88.34	N	
2	6/14/93	8	1		82.76	N	
2	6/14/93	9	1		80.42	N	
2	6/14/93	12	1		81.14	N	
1	6/21/93	1	1		114.8	Y	TMACS
2	6/21/93	1	1		121.46	Y	TMACS
1	6/21/93	2	1		111.56	N	
2	6/21/93	2	1		117.68	N	
1	6/21/93	3	1		107.42	N	
2	6/21/93	3	1		109.22	N	
1	6/21/93	4	1		103.82	N	
2	6/21/93	4	1		103.1	N	
1	6/21/93	5	1		99.32	N	
2	6/21/93	5	1		98.06	N	
1	6/21/93	6	1		81.14	N	
2	6/21/93	6	1		93.02	N	
2	6/21/93	7	1		88.52	N	
2	6/21/93	8	1		83.12	N	
2	6/21/93	9	1		80.78	N	
2	6/21/93	12	1		81.68	N	
1	6/28/93	1	1		113.9	Y	TMACS
2	6/28/93	1	1		120.56	Y	TMACS
1	6/28/93	2	1		110.3	N	
2	6/28/93	2	1		116.42	N	
1	6/28/93	3	1		106.16	N	
2	6/28/93	3	1		109.94	N	
1	6/28/93	4	1		102.92	N	
2	6/28/93	4	1		103.46	N	
1	6/28/93	5	1		98.6	N	
2	6/28/93	5	1		98.78	N	
1	6/28/93	6	1		80.78	N	
2	6/28/93	6	1		93.56	N	
2	6/28/93	7	1		89.42	N	
2	6/28/93	8	1		83.66	N	
2	6/28/93	9	1		81.68	N	
2	6/28/93	12	1		82.4	N	
1	7/5/93	1	1		114.26	Y	TMACS
2	7/5/93	1	1		120.38	Y	TMACS
1	7/5/93	2	1		110.66	N	
2	7/5/93	2	1		116.6	N	
1	7/5/93	3	1		106.34	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
2	7/5/93	3	1		109.22	N	
1	7/5/93	4	1		103.1	N	
2	7/5/93	4	1		103.1	N	
1	7/5/93	5	1		98.78	N	
2	7/5/93	5	1		98.42	N	
1	7/5/93	6	1		81.68	N	
2	7/5/93	6	1		93.2	N	
2	7/5/93	7	1		89.24	N	
2	7/5/93	8	1		84.02	N	
2	7/5/93	9	1		81.86	N	
2	7/5/93	12	1		82.76	N	
1	7/12/93	1	1		114.08	Y	TMACS
2	7/12/93	1	1		120.74	Y	TMACS
1	7/12/93	2	1		110.66	N	
2	7/12/93	2	1		116.6	N	
1	7/12/93	3	1		106.7	N	
2	7/12/93	3	1		109.58	N	
1	7/12/93	4	1		103.28	N	
2	7/12/93	4	1		103.46	N	
1	7/12/93	5	1		99.14	N	
2	7/12/93	5	1		98.6	N	
1	7/12/93	6	1		82.04	N	
2	7/12/93	6	1		93.74	N	
2	7/12/93	7	1		89.96	N	
2	7/12/93	8	1		84.74	N	
2	7/12/93	9	1		82.58	N	
2	7/12/93	12	1		83.3	N	
1	7/18/93	1	1		114.26	Y	TMACS
2	7/18/93	1	1		120.74	Y	TMACS
1	7/18/93	2	1		110.84	N	
2	7/18/93	2	1		117.14	N	
1	7/18/93	3	1		106.7	N	
2	7/18/93	3	1		109.58	N	
1	7/18/93	4	1		103.46	N	
2	7/18/93	4	1		103.64	N	
1	7/18/93	5	1		99.32	N	
2	7/18/93	5	1		98.78	N	
1	7/18/93	6	1		83.12	N	
2	7/18/93	6	1		93.92	N	
2	7/18/93	7	1		89.78	N	
2	7/18/93	8	1		84.92	N	
2	7/18/93	9	1		83.48	N	
2	7/18/93	12	1		84.2	N	
1	7/26/93	1	1		113.72	Y	TMACS
2	7/26/93	1	1		120.2	Y	TMACS
1	7/26/93	2	1		110.3	N	
2	7/26/93	2	1		116.42	N	
1	7/26/93	3	1		106.16	N	
2	7/26/93	3	1		109.04	N	
1	7/26/93	4	1		103.1	N	
2	7/26/93	4	1		103.1	N	
1	7/26/93	5	1		98.96	N	
2	7/26/93	5	1		98.6	N	
1	7/26/93	6	1		82.94	N	
2	7/26/93	6	1		93.38	N	
2	7/26/93	7	1		89.6	N	
2	7/26/93	8	1		84.74	N	
2	7/26/93	9	1		82.94	N	
2	7/26/93	12	1		83.84	N	
1	8/2/93	1	1		114.08	Y	TMACS
2	8/2/93	1	1		120.56	Y	TMACS
1	8/2/93	2	1		110.66	N	
2	8/2/93	2	1		116.78	N	
1	8/2/93	3	1		106.7	N	
2	8/2/93	3	1		109.22	N	
1	8/2/93	4	1		103.64	N	
2	8/2/93	4	1		103.46	N	
1	8/2/93	5	1		99.32	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
2	8/2/93	5	1		98.6	N	
1	8/2/93	6	1		83.66	N	
2	8/2/93	6	1		93.74	N	
2	8/2/93	7	1		89.96	N	
2	8/2/93	8	1		85.28	N	
2	8/2/93	9	1		83.66	N	
2	8/2/93	12	1		84.56	N	
1	8/9/93	1	1		114.44	Y	TMACS
2	8/9/93	1	1		120.92	Y	TMACS
1	8/9/93	2	1		110.66	N	
2	8/9/93	2	1		117.32	N	
1	8/9/93	3	1		107.24	N	
2	8/9/93	3	1		109.58	N	
1	8/9/93	4	1		103.82	N	
2	8/9/93	4	1		103.46	N	
1	8/9/93	5	1		100.04	N	
2	8/9/93	5	1		99.14	N	
1	8/9/93	6	1		84.38	N	
2	8/9/93	6	1		94.64	N	
2	8/9/93	7	1		91.04	N	
2	8/9/93	8	1		86.54	N	
2	8/9/93	9	1		84.92	N	
2	8/9/93	12	1		85.82	N	
1	8/15/93	1	1		113.72	Y	tmacs
2	8/15/93	1	1		120.38	Y	tmacs
1	8/15/93	2	1		110.48	N	
2	8/15/93	2	1		116.42	N	
1	8/15/93	3	1		106.7	N	
2	8/15/93	3	1		109.04	N	
1	8/15/93	4	1		103.46	N	
2	8/15/93	4	1		103.46	N	
1	8/15/93	5	1		99.5	N	
2	8/15/93	5	1		98.96	N	
1	8/15/93	6	1		84.56	N	
2	8/15/93	6	1		94.28	N	
2	8/15/93	7	1		90.68	N	
2	8/15/93	8	1		86.18	N	
2	8/15/93	9	1		84.56	N	
2	8/15/93	12	1		85.64	N	
1	8/23/93	1	1		113.9	Y	TMACS
2	8/23/93	1	1		120.02	Y	TMACS
1	8/23/93	2	1		110.84	N	
2	8/23/93	2	1		116.24	N	
1	8/23/93	3	1		106.52	N	
2	8/23/93	3	1		109.04	N	
1	8/23/93	4	1		102.2	N	
2	8/23/93	4	1		103.64	N	
1	8/23/93	5	1		99.68	N	
2	8/23/93	5	1		99.32	N	
1	8/23/93	6	1		84.92	N	
2	8/23/93	6	1		94.46	N	
2	8/23/93	7	1		91.04	N	
2	8/23/93	8	1		86.72	N	
2	8/23/93	9	1		84.92	N	
2	8/23/93	12	1		85.82	N	
1	8/26/93	1	1		114.1	Y	J TYPE
2	8/26/93	1	1		119.7	Y	J TYPE
1	8/26/93	2	1		110.3	N	
2	8/26/93	2	1		115.7	N	
1	8/26/93	3	1		106.5	N	
2	8/26/93	3	1		108.7	N	
1	8/26/93	4	1		103.1	N	
2	8/26/93	4	1		103.3	N	
1	8/26/93	5	1		99.9	N	
2	8/26/93	5	1		98.6	N	
1	8/26/93	6	1		84.7	N	
2	8/26/93	6	1		94.1	N	
2	8/26/93	7	1		90.7	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
2	8/26/93	8	1		86.2	N	
2	8/26/93	9	1		84.2	N	
2	8/26/93	10	1		84.9	N	
1	8/30/93	1	1		113.9	Y	TMACS
2	8/30/93	1	1		120.38	Y	TMACS
1	8/30/93	2	1		110.66	N	
2	8/30/93	2	1		116.6	N	
1	8/30/93	3	1		106.7	N	
2	8/30/93	3	1		109.4	N	
1	8/30/93	4	1		103.64	N	
2	8/30/93	4	1		103.82	N	
1	8/30/93	5	1		100.04	N	
2	8/30/93	5	1		99.5	N	
1	8/30/93	6	1		85.1	N	
2	8/30/93	6	1		95	N	
2	8/30/93	7	1		91.58	N	
2	8/30/93	8	1		87.44	N	
2	8/30/93	9	1		85.64	N	
2	8/30/93	12	1		86.36	N	
1	9/6/93	1	1		114.26	Y	TMACS
2	9/6/93	1	1		120.74	Y	TMACS
1	9/6/93	2	1		111.2	N	
2	9/6/93	2	1		117.14	N	
1	9/6/93	3	1		107.24	N	
2	9/6/93	3	1		108.86	N	
1	9/6/93	4	1		104.18	N	
2	9/6/93	4	1		103.46	N	
1	9/6/93	5	1		100.58	N	
2	9/6/93	5	1		99.14	N	
1	9/6/93	6	1		86.18	N	
2	9/6/93	6	1		94.64	N	
2	9/6/93	7	1		91.4	N	
2	9/6/93	8	1		87.26	N	
2	9/6/93	9	1		85.46	N	
2	9/6/93	12	1		86.36	N	
1	9/12/93	1	1		113.54	Y	TMACS
2	9/12/93	1	1		120.2	Y	TMACS
1	9/12/93	2	1		110.12	N	
2	9/12/93	2	1		116.42	N	
1	9/12/93	3	1		106.7	N	
2	9/12/93	3	1		109.76	N	
1	9/12/93	4	1		103.46	N	
2	9/12/93	4	1		104.36	N	
1	9/12/93	5	1		99.86	N	
2	9/12/93	5	1		100.22	N	
1	9/12/93	6	1		85.64	N	
2	9/12/93	6	1		95.72	N	
2	9/12/93	7	1		92.66	N	
2	9/12/93	8	1		88.34	N	
2	9/12/93	9	1		86.9	N	
2	9/12/93	12	1		87.8	N	
1	9/19/93	1	1		113.36	Y	TMACS
2	9/19/93	1	1		119.84	Y	TMACS
1	9/19/93	2	1		110.3	N	
2	9/19/93	2	1		116.06	N	
1	9/19/93	3	1		106.52	N	
2	9/19/93	3	1		109.76	N	
1	9/19/93	4	1		103.46	N	
2	9/19/93	4	1		104.54	N	
1	9/19/93	5	1		100.04	N	
2	9/19/93	5	1		100.4	N	
1	9/19/93	6	1		85.64	N	
2	9/19/93	6	1		95.9	N	
2	9/19/93	7	1		92.66	N	
2	9/19/93	8	1		88.34	N	
2	9/19/93	9	1		86.54	N	
2	9/19/93	12	1		87.44	N	
1	9/26/93	1	1		113.9	Y	TMACS

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
2	9/26/93	1	1		120.56	Y	TMACS
1	9/26/93	2	1		110.66	N	
2	9/26/93	2	1		116.78	N	
1	9/26/93	3	1		106.88	N	
2	9/26/93	3	1		109.76	N	
1	9/26/93	4	1		104.18	N	
2	9/26/93	4	1		104.18	N	
1	9/26/93	5	1		100.58	N	
2	9/26/93	5	1		100.22	N	
1	9/26/93	6	1		86.18	N	
2	9/26/93	6	1		95.9	N	
2	9/26/93	7	1		92.66	N	
2	9/26/93	8	1		87.98	N	
2	9/26/93	9	1		86.54	N	
2	9/26/93	12	1		87.62	N	
1	10/3/93	1	1		113.72	Y	TMACS
2	10/3/93	1	1		120.2	Y	TMACS
1	10/3/93	2	1		110.48	N	
2	10/3/93	2	1		116.42	N	
1	10/3/93	3	1		106.88	N	
2	10/3/93	3	1		109.76	N	
1	10/3/93	4	1		103.82	N	
2	10/3/93	4	1		104.36	N	
1	10/3/93	5	1		100.22	N	
2	10/3/93	5	1		100.22	N	
1	10/3/93	6	1		86	N	
2	10/3/93	6	1		96.26	N	
2	10/3/93	7	1		93.2	N	
2	10/3/93	8	1		88.7	N	
2	10/3/93	9	1		86.9	N	
2	10/3/93	12	1		87.8	N	
1	10/10/93	1	1		113.36	Y	TMACS
2	10/10/93	1	1		119.84	Y	TMACS
1	10/10/93	2	1		110.12	N	
2	10/10/93	2	1		116.42	N	
1	10/10/93	3	1		106.52	N	
2	10/10/93	3	1		109.58	N	
1	10/10/93	4	1		103.64	N	
2	10/10/93	4	1		104.58	N	
1	10/10/93	5	1		100.22	N	
2	10/10/93	5	1		100.76	N	
1	10/10/93	6	1		85.64	N	
2	10/10/93	6	1		96.26	N	
2	10/10/93	7	1		93.2	N	
2	10/10/93	8	1		88.34	N	
2	10/10/93	9	1		86.72	N	
2	10/10/93	12	1		87.62	N	
1	10/19/93	1	1		113.4	Y	TMACS
2	10/19/93	1	1		119.8	Y	TMACS
1	10/19/93	2	1		110.3	N	
2	10/19/93	2	1		116.2	N	
1	10/19/93	3	1		106.7	N	
2	10/19/93	3	1		110.1	N	
1	10/19/93	4	1		104	N	
2	10/19/93	4	1		104.9	N	
1	10/19/93	5	1		100.2	N	
2	10/19/93	5	1		100.9	N	
1	10/19/93	6	1		85.6	N	
2	10/19/93	6	1		96.8	N	
2	10/19/93	7	1		93.4	N	
2	10/19/93	8	1		88.3	N	
2	10/19/93	9	1		86.5	N	
2	10/19/93	12	1		87.4	N	
1	10/25/93	1	1		113.36	Y	TMACS
2	10/25/93	1	1		120.2	Y	TMACS
1	10/25/93	2	1		110.12	N	
2	10/25/93	2	1		116.78	N	
1	10/25/93	3	1		106.7	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 251-BY-105							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
2	10/25/93	3	1		110.3	N	
1	10/25/93	4	1		103.82	N	
2	10/25/93	4	1		105.08	N	
1	10/25/93	5	1		100.4	N	
2	10/25/93	5	1		101.12	N	
1	10/25/93	6	1		85.46	N	
2	10/25/93	6	1		96.98	N	
2	10/25/93	7	1		93.74	N	
2	10/25/93	8	1		88.52	N	
2	10/25/93	9	1		86.9	N	
2	10/25/93	12	1		87.8	N	
1	11/1/93	1	1		113	Y	TMACS
2	11/1/93	1	1		120.02	Y	TMACS
1	11/1/93	2	1		109.94	N	
2	11/1/93	2	1		116.42	N	
1	11/1/93	3	1		106.34	N	
2	11/1/93	3	1		110.48	N	
1	11/1/93	4	1		103.82	N	
2	11/1/93	4	1		105.08	N	
1	11/1/93	5	1		100.22	N	
2	11/1/93	5	1		100.94	N	
1	11/1/93	6	1		84.92	N	
2	11/1/93	6	1		97.16	N	
2	11/1/93	7	1		93.74	N	
2	11/1/93	8	1		88.34	N	
2	11/1/93	9	1		86.36	N	
2	11/1/93	12	1		87.44	N	
1	11/8/93	1	1		112.46	Y	TMACS
2	11/8/93	1	1		119.3	Y	TMACS
1	11/8/93	2	1		109.4	N	
2	11/8/93	2	1		116.06	N	
1	11/8/93	3	1		105.98	N	
2	11/8/93	3	1		110.12	N	
1	11/8/93	4	1		102.92	N	
2	11/8/93	4	1		105.26	N	
1	11/8/93	5	1		99.68	N	
2	11/8/93	5	1		101.12	N	
1	11/8/93	6	1		83.84	N	
2	11/8/93	6	1		96.98	N	
2	11/8/93	7	1		93.74	N	
2	11/8/93	8	1		88.16	N	
2	11/8/93	9	1		85.64	N	
2	11/8/93	12	1		86.72	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/12/73	1			171		
1	11/12/73	2			161		
1	11/12/73	3			161		
1	11/12/73	4			161		
1	11/12/73	5			151		
1	11/12/73	6			151		
1	11/12/73	7			143		
1	11/12/73	8			143		
1	11/12/73	9			127		
1	11/12/73	10			112		
1	11/12/73	11			96		
1	11/12/73	12			80		
1	11/21/73	1		65	149		raw data - assumed degree C
1	11/21/73	2		63	145.4		raw data - assumed degree C
1	11/21/73	3		60	140		raw data - assumed degree C
1	11/21/73	4		58	136.4		raw data - assumed degree C
1	11/21/73	5		57	134.6		raw data - assumed degree C
1	11/21/73	6		54	129.2		raw data - assumed degree C
1	11/21/73	7		51	123.8		raw data - assumed degree C
1	11/21/73	8		48	118.4		raw data - assumed degree C
1	11/21/73	9		42	107.6		raw data - assumed degree C
1	11/21/73	10		32	89.6		raw data - assumed degree C
1	11/21/73	11		32	89.6		raw data - assumed degree C
1	11/21/73	12		32	89.6		raw data - assumed degree C
1	12/10/73	1		67	152.6		raw data - assumed degree C
1	12/10/73	2		67	152.6		raw data - assumed degree C
1	12/10/73	3		64	147.2		raw data - assumed degree C
1	12/10/73	4		62	143.6		raw data - assumed degree C
1	12/10/73	5		60	140		raw data - assumed degree C
1	12/10/73	6		57	134.6		raw data - assumed degree C
1	12/10/73	7		55	131		raw data - assumed degree C
1	12/10/73	8		52	125.6		raw data - assumed degree C
1	12/10/73	9		46	114.8		raw data - assumed degree C
1	12/10/73	10		32	89.6		raw data - assumed degree C
1	12/10/73	11		28	82.4		raw data - assumed degree C
1	12/10/73	12		20	68		raw data - assumed degree C
1	12/17/73	1		78	172.4		raw data - assumed degree C
1	12/17/73	2		76	168.8		raw data - assumed degree C
1	12/17/73	3		73	163.4		raw data - assumed degree C
1	12/17/73	4		73	163.4		raw data - assumed degree C
1	12/17/73	5		71	159.8		raw data - assumed degree C
1	12/17/73	6		67	152.6		raw data - assumed degree C
1	12/17/73	7		65	149		raw data - assumed degree C
1	12/17/73	8		60	140		raw data - assumed degree C
1	12/17/73	9		63	145.4		raw data - assumed degree C
1	12/17/73	10		46	114.8		raw data - assumed degree C
1	12/17/73	11		67	152.6		raw data - assumed degree C
1	12/17/73	12		29	84.2		raw data - assumed degree C
1	12/20/73	1		78	172.4		raw data - assumed degree C
1	12/20/73	2		76	168.8		raw data - assumed degree C
1	12/20/73	3		73	163.4		raw data - assumed degree C
1	12/20/73	4		72	161.6		raw data - assumed degree C
1	12/20/73	5		70	158		raw data - assumed degree C
1	12/20/73	6		69	156.2		raw data - assumed degree C
1	12/20/73	7		65	149		raw data - assumed degree C
1	12/20/73	8		61	141.8		raw data - assumed degree C
1	12/20/73	9		54	129.2		raw data - assumed degree C
1	12/20/73	10		46	114.8		raw data - assumed degree C
1	12/20/73	11		36	96.8		raw data - assumed degree C
1	12/20/73	12		28	82.4		raw data - assumed degree C
1	12/20/73	15		70	158		raw data - assumed degree C
1	8/5/74	1				Y	113 - suspect data (low)
1	8/5/74	2				N	114 - suspect data (low)
1	8/5/74	3				N	112 - suspect data (low)
1	8/5/74	4				N	108 - suspect data (low)
1	8/5/74	5				N	100 - suspect data (low)

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/5/74	6				N	92 - suspect data (low)
1	8/5/74	7				N	76 - suspect data (low)
1	8/5/74	8				N	78 - suspect data (low)
1	8/5/74	9				N	78 - suspect data (low)
1	8/5/74	10				N	75 - suspect data (low)
1	8/5/74	11				N	66 - suspect data (low)
1	8/5/74	12				N	54 - suspect data (low)
1	9/12/74	1	1	83	181.4	Y	degree C/TWINS confirm
1	9/12/74	2	1	80	176	N	degree C/TWINS confirm
1	9/12/74	3	1	74	165.2	N	degree C/TWINS confirm
1	9/12/74	4	1	68	154.4	N	degree C/TWINS confirm
1	9/12/74	5	1	64	147.2	N	degree C/TWINS confirm
1	9/12/74	6	1	62	143.6	N	degree C/TWINS confirm
1	9/12/74	7	1	60	140	N	degree C/TWINS confirm
1	9/12/74	8	1	55	131	N	degree C/TWINS confirm
1	9/12/74	9	1	51	123.8	N	degree C/TWINS confirm
1	9/12/74	10	1	46	114.8	N	degree C/TWINS confirm
1	9/12/74	11	1	40	104	N	degree C/TWINS confirm
1	9/12/74	12	1	35	95	N	degree C/TWINS confirm
1	10/8/74	1	1	77	170.6	Y	degree C/TWINS confirm
1	10/8/74	2	1	73	163.4	N	degree C/TWINS confirm
1	10/8/74	3	1	68	154.4	N	degree C/TWINS confirm
1	10/8/74	4	1	63	145.4	N	degree C/TWINS confirm
1	10/8/74	5	1	58	136.4	N	degree C/TWINS confirm
1	10/8/74	6	1	56	132.8	N	degree C/TWINS confirm
1	10/8/74	7	1	56	132.8	N	degree C/TWINS confirm
1	10/8/74	8	1	51	123.8	N	degree C/TWINS confirm
1	10/8/74	9	1	46	114.8	N	degree C/TWINS confirm
1	10/8/74	10	1	42	107.6	N	degree C/TWINS confirm
1	10/8/74	11	1	35	95	N	degree C/TWINS confirm
1	10/8/74	12	1	28	82.4	N	degree C/TWINS confirm
1	10/29/74	1	1	74	165.2	Y	degree C/TWINS confirm
1	10/29/74	2	1	70	158	N	degree C/TWINS confirm
1	10/29/74	3	1	65	149	N	degree C/TWINS confirm
1	10/29/74	4	1	59	138.2	N	degree C/TWINS confirm
1	10/29/74	5	1	56	132.8	N	degree C/TWINS confirm
1	10/29/74	6	1	55	131	N	degree C/TWINS confirm
1	10/29/74	7	1	54	129.2	N	degree C/TWINS confirm
1	10/29/74	8	1	48	118.4	N	degree C/TWINS confirm
1	10/29/74	9	1	43	109.4	N	degree C/TWINS confirm
1	10/29/74	10	1	37	98.6	N	degree C/TWINS confirm
1	10/29/74	11	1	30	86	N	degree C/TWINS confirm
1	10/29/74	12	1	22	71.6	N	degree C/TWINS confirm
1	11/12/74	1	1	68	154.4	Y	degree C/TWINS confirm
1	11/12/74	2	1	65	149	N	degree C/TWINS confirm
1	11/12/74	3	1	59	138.2	N	degree C/TWINS confirm
1	11/12/74	4	1	54	129.2	N	degree C/TWINS confirm
1	11/12/74	5	1	49	120.2	N	degree C/TWINS confirm
1	11/12/74	6	1	49	120.2	N	degree C/TWINS confirm
1	11/12/74	7	1	47	116.6	N	degree C/TWINS confirm
1	11/12/74	8	1	42	107.6	N	degree C/TWINS confirm
1	11/12/74	9	1	36	96.8	N	degree C/TWINS confirm
1	11/12/74	10	1	31	87.8	N	degree C/TWINS confirm
1	11/12/74	11	1	22	71.6	N	degree C/TWINS confirm
1	11/12/74	12	1	13	55.4	N	degree C/TWINS confirm
1	11/26/74	1	1	76	168.8	Y	degree C/TWINS confirm
1	11/26/74	2	1	72	161.6	N	degree C/TWINS confirm
1	11/26/74	3	1	66	150.8	N	degree C/TWINS confirm
1	11/26/74	4	1	61	141.8	N	degree C/TWINS confirm
1	11/26/74	5	1	57	134.6	N	degree C/TWINS confirm
1	11/26/74	6	1	57	134.6	N	degree C/TWINS confirm
1	11/26/74	7	1	55	131	N	degree C/TWINS confirm
1	11/26/74	8	1	50	122	N	degree C/TWINS confirm
1	11/26/74	9	1	43	109.4	N	degree C/TWINS confirm
1	11/26/74	10	1	38	100.4	N	degree C/TWINS confirm
1	11/26/74	11	1	29	84.2	N	degree C/TWINS confirm

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/26/74	12	1	20	68	N	degree C/TWINS confirm
1	12/17/74	1	1	74.44	165.992	Y	degree C/TWINS confirm
1	12/17/74	2	1	71.11	159.998	N	degree C/TWINS confirm
1	12/17/74	3	1	66.11	150.998	N	degree C/TWINS confirm
1	12/17/74	4	1	60.56	141.008	N	degree C/TWINS confirm
1	12/17/74	5	1	56.11	132.998	N	degree C/TWINS confirm
1	12/17/74	6	1	55.56	132.008	N	degree C/TWINS confirm
1	12/17/74	7	1	55	131	N	degree C/TWINS confirm
1	12/17/74	8	1	47.78	118.004	N	degree C/TWINS confirm
1	12/17/74	9	1	41.11	105.998	N	degree C/TWINS confirm
1	12/17/74	10	1	35.56	96.008	N	degree C/TWINS confirm
1	12/17/74	11	1	25.56	78.008	N	degree C/TWINS confirm
1	12/17/74	12	1	17.22	62.996	N	degree C/TWINS confirm
1	12/31/74	1	1	74.44	165.992	Y	degree C/TWINS confirm
1	12/31/74	2	1	70.56	159.008	N	degree C/TWINS confirm
1	12/31/74	3	1	65	149	N	degree C/TWINS confirm
1	12/31/74	4	1	59.44	138.992	N	degree C/TWINS confirm
1	12/31/74	5	1	55	131	N	degree C/TWINS confirm
1	12/31/74	6	1	55	131	N	degree C/TWINS confirm
1	12/31/74	7	1	52.78	127.004	N	degree C/TWINS confirm
1	12/31/74	8	1	46.67	116.006	N	degree C/TWINS confirm
1	12/31/74	9	1	40.56	105.008	N	degree C/TWINS confirm
1	12/31/74	10	1	33.33	91.994	N	degree C/TWINS confirm
1	12/31/74	11	1	23.89	75.002	N	degree C/TWINS confirm
1	12/31/74	12	1	15	59	N	degree C/TWINS confirm
1	1/8/75	1	1	72.78	163.004	Y	degree C/TWINS confirm
1	1/8/75	2	1	68.89	156.002	N	degree C/TWINS confirm
1	1/8/75	3	1	64.44	147.992	N	degree C/TWINS confirm
1	1/8/75	4	1	58.89	138.002	N	degree C/TWINS confirm
1	1/8/75	5	1	53.89	129.002	N	degree C/TWINS confirm
1	1/8/75	6	1	53.89	129.002	N	degree C/TWINS confirm
1	1/8/75	7	1	53.89	129.002	N	degree C/TWINS confirm
1	1/8/75	8	1	46.11	114.998	N	degree C/TWINS confirm
1	1/8/75	9	1	39.44	102.992	N	degree C/TWINS confirm
1	1/8/75	10	1	32.78	91.004	N	degree C/TWINS confirm
1	1/8/75	11	1	23.89	75.002	N	degree C/TWINS confirm
1	1/8/75	12	1	15.56	60.008	N	degree C/TWINS confirm
1	1/21/75	1	1	93	199.4	Y	degree C/TWINS confirm
1	1/21/75	2	1	89	192.2	N	degree C/TWINS confirm
1	1/21/75	3	1	83	181.4	N	degree C/TWINS confirm
1	1/21/75	4	1	77	170.6	N	degree C/TWINS confirm
1	1/21/75	5	1	72	161.6	N	degree C/TWINS confirm
1	1/21/75	6	1	70	158	N	degree C/TWINS confirm
1	1/21/75	7	1	68	154.4	N	degree C/TWINS confirm
1	1/21/75	8	1	60	140	N	degree C/TWINS confirm
1	1/21/75	9	1	50	122	N	degree C/TWINS confirm
1	1/21/75	10	1	43	109.4	N	degree C/TWINS confirm
1	1/21/75	11	1	31	87.8	N	degree C/TWINS confirm
1	1/21/75	12	1	20	68	N	degree C/TWINS confirm
1	1/28/75	1	1	76	168.8	Y	degree C/TWINS confirm
1	1/28/75	2	1	72	161.6	N	degree C/TWINS confirm
1	1/28/75	3	1	67	152.6	N	degree C/TWINS confirm
1	1/28/75	4	1	62	143.6	N	degree C/TWINS confirm
1	1/28/75	5	1	58	136.4	N	degree C/TWINS confirm
1	1/28/75	6	1	57	134.6	N	degree C/TWINS confirm
1	1/28/75	7	1	55	131	N	degree C/TWINS confirm
1	1/28/75	8	1	48	118.4	N	degree C/TWINS confirm
1	1/28/75	9	1	40	104	N	degree C/TWINS confirm
1	1/28/75	10	1	35	95	N	degree C/TWINS confirm
1	1/28/75	11	1	24	75.2	N	degree C/TWINS confirm
1	1/28/75	12	1	14	57.2	N	degree C/TWINS confirm
1	2/27/75	1	1	76	168.8	Y	degree C/TWINS confirm
1	2/27/75	2	1	74	165.2	N	degree C/TWINS confirm
1	2/27/75	3	1	70	158	N	degree C/TWINS confirm
1	2/27/75	4	1	63	145.4	N	degree C/TWINS confirm
1	2/27/75	5	1	58	136.4	N	degree C/TWINS confirm

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	2/27/75	6	1	58	136.4	N	degree C/TWINS confirm
1	2/27/75	7	1	58	136.4	N	degree C/TWINS confirm
1	2/27/75	8	1	48	118.4	N	degree C/TWINS confirm
1	2/27/75	9	1	40	104	N	degree C/TWINS confirm
1	2/27/75	10	1	34	93.2	N	degree C/TWINS confirm
1	2/27/75	11	1	24	75.2	N	degree C/TWINS confirm
1	2/27/75	12	1	16	60.8	N	degree C/TWINS confirm
1	3/18/75	1	1	78	172.4	Y	degree C/TWINS confirm
1	3/18/75	2	1	76	168.8	N	degree C/TWINS confirm
1	3/18/75	3	1	70	158	N	degree C/TWINS confirm
1	3/18/75	4	1	66	150.8	N	degree C/TWINS confirm
1	3/18/75	5	1	60	140	N	degree C/TWINS confirm
1	3/18/75	6	1	58	136.4	N	degree C/TWINS confirm
1	3/18/75	7	1	58	136.4	N	degree C/TWINS confirm
1	3/18/75	8	1	50	122	N	degree C/TWINS confirm
1	3/18/75	9	1	42	107.6	N	degree C/TWINS confirm
1	3/18/75	10	1	38	100.4	N	degree C/TWINS confirm
1	3/18/75	11	1	26	78.8	N	degree C/TWINS confirm
1	3/18/75	12	1	18	64.4	N	degree C/TWINS confirm
1	4/1/75	1	1	83.33	181.994	Y	degree C/TWINS confirm
1	4/1/75	2	1	72.22	161.996	N	degree C/TWINS confirm
1	4/1/75	3	1	67.22	152.996	N	degree C/TWINS confirm
1	4/1/75	4	1	61.11	141.998	N	degree C/TWINS confirm
1	4/1/75	5	1	56.11	132.998	N	degree C/TWINS confirm
1	4/1/75	6	1	56.11	132.998	N	degree C/TWINS confirm
1	4/1/75	7	1	52.22	125.996	N	degree C/TWINS confirm
1	4/8/75	1	1	91	195.8	Y	degree C/TWINS confirm
1	4/8/75	2	1	85	185	N	degree C/TWINS confirm
1	4/8/75	3	1	80	176	N	degree C/TWINS confirm
1	4/8/75	4	1	73	163.4	N	degree C/TWINS confirm
1	4/8/75	5	1	66	150.8	N	degree C/TWINS confirm
1	4/8/75	6	1	66	150.8	N	degree C/TWINS confirm
1	4/8/75	7	1	62	143.6	N	degree C/TWINS confirm
1	4/8/75	8	1	52	125.6	N	degree C/TWINS confirm
1	4/8/75	9	1	43	109.4	N	degree C/TWINS confirm
1	4/8/75	10	1	35	95	N	degree C/TWINS confirm
1	4/8/75	11	1	26	78.8	N	degree C/TWINS confirm
1	4/8/75	12	1	17	62.6	N	degree C/TWINS confirm
1	4/22/75	1	1	74	165.2	Y	degree C/TWINS confirm
1	4/22/75	2	1	72	161.6	N	degree C/TWINS confirm
1	4/22/75	3	1	66	150.8	N	degree C/TWINS confirm
1	4/22/75	4	1	60	140	N	degree C/TWINS confirm
1	4/22/75	5	1	56	132.8	N	degree C/TWINS confirm
1	4/22/75	6	1	56	132.8	N	degree C/TWINS confirm
1	4/22/75	7	1	52	125.6	N	degree C/TWINS confirm
1	4/22/75	8	1	45	113	N	degree C/TWINS confirm
1	4/22/75	9	1	36	96.8	N	degree C/TWINS confirm
1	4/22/75	10	1	30	86	N	degree C/TWINS confirm
1	4/22/75	11	1	24	75.2	N	degree C/TWINS confirm
1	4/22/75	12	1	18	64.4	N	degree C/TWINS confirm
1	4/29/75	1	1	73	163.4	Y	degree C/TWINS confirm
1	4/29/75	2	1	73	163.4	N	degree C/TWINS confirm
1	4/29/75	3	1	64	147.2	N	degree C/TWINS confirm
1	4/29/75	4	1	60	140	N	degree C/TWINS confirm
1	4/29/75	5	1	56	132.8	N	degree C/TWINS confirm
1	4/29/75	6	1	56	132.8	N	degree C/TWINS confirm
1	4/29/75	7	1	52	125.6	N	degree C/TWINS confirm
1	4/29/75	8	1	22	71.6	N	degree C/TWINS confirm
1	4/29/75	9	1	32	89.6	N	degree C/TWINS confirm
1	4/29/75	10	1	32	89.6	N	degree C/TWINS confirm
1	4/29/75	11	1	24	75.2	N	degree C/TWINS confirm
1	4/29/75	12	1	18	64.4	N	degree C/TWINS confirm
1	5/20/75	1	1	76	168.8	Y	degree C/TWINS confirm
1	5/20/75	2	1	74	165.2	N	degree C/TWINS confirm
1	5/20/75	3	1	68	154.4	N	degree C/TWINS confirm
1	5/20/75	4	1	68	154.4	N	degree C/TWINS confirm

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	5/20/75	5	1	58	136.4	N	degree C/TWINS confirm
1	5/20/75	6	1	58	136.4	N	degree C/TWINS confirm
1	5/20/75	7	1	52	125.6	N	degree C/TWINS confirm
1	5/20/75	8	1	46	114.8	N	degree C/TWINS confirm
1	5/20/75	9	1	38	100.4	N	degree C/TWINS confirm
1	5/20/75	10	1	32	89.6	N	degree C/TWINS confirm
1	5/20/75	11	1	28	82.4	N	degree C/TWINS confirm
1	5/20/75	12	1	22	71.6	N	degree C/TWINS confirm
1	6/17/75	1	1		166	Y	
1	6/17/75	2	1		160	N	
1	6/17/75	3	1		153	N	
1	6/17/75	4	1		141	N	
1	6/17/75	5	1		132	N	
1	6/17/75	6	1		132	N	
1	6/17/75	7	1		124	N	
1	6/17/75	8	1		110	N	
1	6/17/75	9	1		97	N	
1	6/17/75	10	1		90	N	
1	6/17/75	11	1		81	N	
1	6/17/75	12	1		75	N	
1	7/28/75	1	1		167	Y	
1	7/28/75	2	1		160	N	
1	7/28/75	3	1		152	N	
1	7/28/75	4	1		142	N	
1	7/28/75	5	1		133	N	
1	7/28/75	6	1		133	N	
1	7/28/75	7	1		127	N	
1	7/28/75	8	1		114	N	
1	7/28/75	9	1		104	N	
1	7/28/75	10	1		95	N	
1	7/28/75	11	1		90	N	
1	7/28/75	12	1		87	N	
1	8/26/75	1	1		170	Y	
1	8/26/75	2	1		164	N	
1	8/26/75	3	1		151	N	
1	8/26/75	4	1		146	N	
1	8/26/75	5.	1		138	N	
1	8/26/75	6	1		137	N	
1	8/26/75	7	1		130	N	
1	8/26/75	8	1		118	N	
1	8/26/75	9	1		108	N	
1	8/26/75	10	1		98	N	
1	8/26/75	11	1		91	N	
1	8/26/75	12	1		85	N	
1	11/21/75	1	1		174	Y	
1	11/21/75	2	1		166	N	
1	11/21/75	3	1		157	N	
1	11/21/75	4	1		148	N	
1	11/21/75	5	1		141	N	
1	11/21/75	6	1		140	N	
1	11/21/75	7	1		131	N	
1	11/21/75	8	1		120	N	
1	11/21/75	9	1		105	N	
1	11/21/75	10	1		94	N	
1	11/21/75	11	1		84	N	
1	11/21/75	12	1		73	N	
1	3/4/76	1	1		163	Y	
1	3/4/76	2	1		159	N	
1	3/4/76	4	1		141	N	
1	3/4/76	5	1		132	N	
1	3/4/76	6	1		132	N	
1	3/4/76	7	1		119	N	
1	3/4/76	8	1		104	N	
1	3/4/76	9	1		86	N	
1	3/4/76	10	1		76	N	
1	3/4/76	11	1		65	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/4/76	12	1		58	N	
1	5/7/76	1	1		159	Y	
1	5/7/76	2	1		159	N	
1	5/7/76	4	1		135	N	
1	5/7/76	5	1		126	N	
1	5/7/76	6	1		126	N	
1	5/7/76	7	1		113	N	
1	5/7/76	8	1		97	N	
1	5/7/76	9	1		82	N	
1	5/7/76	10	1		74	N	
1	5/7/76	11	1		66	N	
1	5/7/76	12	1		63	N	
1	6/9/76	1	1		167	Y	
1	6/9/76	2	1		163	N	
1	6/9/76	3	1		155	N	
1	6/9/76	4	1		145	N	
1	6/9/76	5	1		137	N	
1	6/9/76	6	1		138	N	
1	6/9/76	7	1		125	N	
1	6/9/76	8	1		110	N	
1	6/9/76	9	1		96	N	
1	6/9/76	10	1		88	N	
1	6/9/76	11	1		82	N	
1	6/9/76	12	1		78	N	
1	7/7/76	1	1		156	Y	
1	7/7/76	3	1		143	N	
1	7/7/76	4	1		132	N	
1	7/7/76	5	1		126	N	
1	7/7/76	6	1		126	N	
1	7/7/76	7	1		113	N	
1	7/7/76	8	1		99	N	
1	7/7/76	9	1		87	N	
1	7/7/76	10	1		80	N	
1	7/7/76	11	1		75	N	
1	7/7/76	12	1		72	N	
1	8/14/76	1	1		151	Y	
1	8/14/76	2	1		145	N	
1	8/14/76	3	1		136	N	
1	8/14/76	4	1		126	N	
1	8/14/76	5	1		121	N	
1	8/14/76	6	1		120	N	
1	8/14/76	7	1		109	N	
1	8/14/76	8	1		96	N	
1	8/14/76	9	1		86	N	
1	8/14/76	10	1		78	N	
1	8/14/76	11	1		74	N	
1	8/14/76	12	1		71	N	
1	8/28/76	1	1		157	Y	
1	8/28/76	2	1		150	N	
1	8/28/76	3	1		142	N	
1	8/28/76	4	1		132	N	
1	8/28/76	5	1		127	N	
1	8/28/76	6	1		126	N	
1	8/28/76	7	1		114	N	
1	8/28/76	8	1		102	N	
1	8/28/76	9	1		89	N	
1	8/28/76	10	1		81	N	
1	8/28/76	11	1		79	N	
1	8/28/76	12	1		77	N	
1	9/13/76	1	1		158	Y	
1	9/13/76	2	1		152	N	
1	9/13/76	3	1		144	N	
1	9/13/76	4	1		134	N	
1	9/13/76	5	1		128	N	
1	9/13/76	6	1		126	N	
1	9/13/76	7	1		116	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	9/13/76	8	1		103	N	
1	9/13/76	9	1		92	N	
1	9/13/76	10	1		85	N	
1	9/13/76	11	1		80	N	
1	9/13/76	12	1		77	N	
1	11/7/76	1	1		156	Y	
1	11/7/76	2	1		151	N	
1	11/7/76	3	1		143	N	
1	11/7/76	9	1		94	N	
1	11/7/76	10	1		84	N	
1	11/7/76	11	1		81	N	
1	11/7/76	12	1		74	N	
1	12/9/76	1	1		175	Y	
1	12/9/76	2	1		169	N	
1	12/9/76	3	1		161	N	
1	12/9/76	4	1		155	N	
1	12/9/76	5	1		147	N	
1	12/9/76	6	1		148	N	
1	12/9/76	7	1		135	N	
1	12/9/76	8	1		125	N	
1	12/9/76	9	1		112	N	
1	12/9/76	10	1		102	N	
1	12/9/76	11	1		96	N	
1	12/9/76	12	1		88	N	
1	1/3/77	1	1		166	Y	
1	1/3/77	2	1		161	N	
1	1/3/77	3	1		153	N	
1	1/3/77	4	1		144	N	
1	1/3/77	5	1		140	N	
1	1/3/77	6	1		141	N	
1	1/3/77	7	1		131	N	
1	1/3/77	8	1		117	N	
1	1/3/77	9	1		102	N	
1	1/3/77	10	1		91	N	
1	1/3/77	11	1		87	N	
1	1/3/77	12	1		78	N	
1	2/26/77	1	1		157	Y	
1	2/26/77	2	1		151	N	
1	2/26/77	3	1		145	N	
1	2/26/77	4	1		139	N	
1	2/26/77	5	1		131	N	
1	2/26/77	8	1		105	N	
1	2/26/77	9	1		95	N	
1	2/26/77	10	1		82	N	
1	2/26/77	11	1		68	N	
1	2/26/77	12	1		67	N	
1	3/28/77	1	1		161	Y	
1	3/28/77	2	1		155	N	
1	3/28/77	3	1		145	N	
1	3/28/77	4	1		137	N	
1	3/28/77	5	1		129	N	
1	3/28/77	7	1		113	N	
1	3/28/77	8	1		105	N	
1	3/28/77	9	1		97	N	
1	3/28/77	10	1		84	N	
1	3/28/77	11	1		73	N	
1	3/28/77	12	1		73	N	
1	4/27/77	1	1		157	Y	
1	4/27/77	2	1		151	N	
1	4/27/77	3	1		143	N	
1	4/27/77	4	1		135	N	
1	4/27/77	5	1		127	N	
1	4/27/77	7	1		112	N	
1	4/27/77	8	1		103	N	
1	4/27/77	9	1		92	N	
1	4/27/77	10	1		82	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	4/27/77	11	1		74	N	
1	4/27/77	12	1		73	N	
1	6/30/77	2	1		153	Y	
1	6/30/77	3	1		145	N	
1	6/30/77	4	1		139	N	
1	6/30/77	5	1		131	N	
1	6/30/77	6	1		124	N	
1	6/30/77	7	1		115	N	
1	6/30/77	8	1		108	N	
1	6/30/77	9	1		99	N	
1	6/30/77	10	1		90	N	
1	6/30/77	11	1		83	N	
1	6/30/77	12	1		83	N	
1	8/15/77	1	1		147	Y	
1	8/15/77	2	1		142	N	
1	8/15/77	3	1		135	N	
1	8/15/77	4	1		129	N	
1	8/15/77	5	1		120	N	
1	8/15/77	7	1		106	N	
1	8/15/77	8	1		98	N	
1	8/15/77	9	1		91	N	
1	8/15/77	10	1		83	N	
1	8/15/77	11	1		78	N	
1	8/15/77	12	1		77	N	
1	9/12/77	2	1		138	Y	
1	9/12/77	3	1		132	N	
1	9/12/77	4	1		125	N	
1	9/12/77	5	1		117	N	
1	9/12/77	6	1		114	N	
1	9/12/77	7	1		105	N	
1	9/12/77	8	1		95	N	
1	9/12/77	9	1		88	N	
1	9/12/77	10	1		77	N	
1	9/12/77	11	1		70	N	
1	9/12/77	12	1		69	N	
1	10/7/77	3	1		146	Y	
1	10/7/77	4	1		139	N	
1	10/7/77	5	1		131	N	
1	10/7/77	6	1		127	N	
1	10/7/77	7	1		117	N	
1	10/7/77	8	1		110	N	
1	10/7/77	9	1		101	N	
1	10/7/77	10	1		88	N	
1	10/7/77	11	1		77	N	
1	10/7/77	12	1		77	N	
1	12/7/77	2	1		148	Y	
1	12/7/77	3	1		142	N	
1	12/7/77	4	1		135	N	
1	12/7/77	5	1		127	N	
1	12/7/77	6	1		122	N	
1	12/7/77	7	1		112	N	
1	12/7/77	8	1		103	N	
1	12/7/77	9	1		92	N	
1	12/7/77	10	1		75	N	
1	12/7/77	11	1		62	N	
1	12/7/77	12	1		61	N	
1	1/29/78	2	1		156	Y	
1	1/29/78	3	1		149	N	
1	1/29/78	4	1		143	N	
1	1/29/78	5	1		135	N	
1	1/29/78	6	1		136	N	
1	1/29/78	7	1		118	N	
1	1/29/78	8	1		108	N	
1	1/29/78	9	1		95	N	
1	1/29/78	10	1		78	N	
1	1/29/78	11	1		64	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/29/78	12	1		64	N	
1	2/26/78	1	1		165	Y	
1	2/26/78	2	1		160	N	
1	2/26/78	3	1		153	N	
1	2/26/78	4	1		147	N	
1	2/26/78	5	1		138	N	
1	2/26/78	6	1		132	N	
1	2/26/78	7	1		120	N	
1	2/26/78	8	1		110	N	
1	2/26/78	9	1		97	N	
1	2/26/78	10	1		81	N	
1	2/26/78	11	1		69	N	
1	2/26/78	12	1		69	N	
1	3/26/78	1	1		152	Y	
1	3/26/78	2	1		147	N	
1	3/26/78	3	1		140	N	
1	3/26/78	4	1		133	N	
1	3/26/78	5	1		124	N	
1	3/26/78	6	1		119	N	
1	3/26/78	7	1		107	N	
1	3/26/78	9	1		86	N	
1	3/26/78	10	1		71	N	
1	3/26/78	11	1		62	N	
1	3/26/78	12	1		61	N	
1	4/23/78	1	1		158	Y	
1	4/23/78	2	1		152	N	
1	4/23/78	3	1		145	N	
1	4/23/78	4	1		138	N	
1	4/23/78	5	1		128	N	
1	4/23/78	6	1		123	N	
1	4/23/78	7	1		109	N	
1	4/23/78	8	1		102	N	
1	4/23/78	9	1		91	N	
1	4/23/78	10	1		78	N	
1	4/23/78	11	1		69	N	
1	4/23/78	12	1		69	N	
1	6/17/78	1	1		145	Y	
1	6/17/78	2	1		140	N	
1	6/17/78	3	1		133	N	
1	6/17/78	4	1		126	N	
1	6/17/78	5	1		117	N	
1	6/17/78	7	1		100	N	
1	6/17/78	8	1		92	N	
1	6/17/78	9	1		81	N	
1	6/17/78	10	1		71	N	
1	6/17/78	11	1		66	N	
1	6/17/78	12	1		61	N	
1	8/13/78	1	1		143	Y	
1	8/13/78	2	1		138	N	
1	8/13/78	3	1		131	N	
1	8/13/78	4	1		126	N	
1	8/13/78	5	1		118	N	
1	8/13/78	6	1		113	N	
1	8/13/78	7	1		103	N	
1	8/13/78	8	1		96	N	
1	8/13/78	9	1		88	N	
1	8/13/78	10	1		80	N	
1	8/13/78	11	1		75	N	
1	8/13/78	12	1		75	N	
1	8/26/78	1	1		152	Y	
1	8/26/78	2	1		147	N	
1	8/26/78	3	1		140	N	
1	8/26/78	4	1		133	N	
1	8/26/78	5	1		124	N	
1	8/26/78	6	1		119	N	
1	8/26/78	7	1		107	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/26/78	9	1		86	N	
1	8/26/78	10	1		71	N	
1	8/26/78	11	1		62	N	
1	8/26/78	12	1		61	N	
1	9/10/78	1	1		156	Y	
1	9/10/78	2	1		150	N	
1	9/10/78	3	1		144	N	
1	9/10/78	4	1		138	N	
1	9/10/78	5	1		130	N	
1	9/10/78	6	1		125	N	
1	9/10/78	7	1		116	N	
1	9/10/78	8	1		110	N	
1	9/10/78	9	1		102	N	
1	9/10/78	10	1		92	N	
1	9/10/78	11	1		84	N	
1	9/10/78	12	1		84	N	
1	10/7/78	1	1		152	Y	
1	10/7/78	2	1		148	N	
1	10/7/78	3	1		140	N	
1	10/7/78	4	1		134	N	
1	10/7/78	5	1		124	N	
1	10/7/78	6	1		122	N	
1	10/7/78	7	1		119	N	
1	10/7/78	8	1		106	N	
1	10/7/78	9	1		94	N	
1	10/7/78	10	1		89	N	
1	10/7/78	11	1		75	N	
1	10/7/78	12	1		72	N	
1	1/3/79	1	1		150	Y	
1	1/3/79	2	1		145	N	
1	1/3/79	3	1		140	N	
1	1/3/79	4	1		132	N	
1	1/3/79	5	1		126	N	
1	1/3/79	7	1		109	N	
1	1/3/79	8	1		100	N	
1	1/3/79	9	1		88	N	
1	1/3/79	10	1		69	N	
1	1/3/79	11	1		53	N	
1	1/3/79	12	1		53	N	
1	4/22/79	1	1		150	Y	
1	4/22/79	2	1		145	N	
1	4/22/79	3	1		138	N	
1	4/22/79	4	1		133	N	
1	4/22/79	5	1		124	N	
1	4/22/79	6	1		116	N	
1	4/22/79	7	1		104	N	
1	4/22/79	8	1		95	N	
1	4/22/79	9	1		84	N	
1	4/22/79	10	1		71	N	
1	4/22/79	11	1		63	N	
1	4/22/79	12	1		62	N	
1	7/7/79	1	1		141	Y	
1	7/7/79	2	1		136	N	
1	7/7/79	3	1		129	N	
1	7/7/79	4	1		124	N	
1	7/7/79	5	1		116	N	
1	7/7/79	6	1		108	N	
1	7/7/79	7	1		99	N	
1	7/7/79	8	1		92	N	
1	7/7/79	9	1		84	N	
1	7/7/79	10	1		77	N	
1	7/7/79	11	1		73	N	
1	7/7/79	12	1		73	N	
1	7/25/79	1	1		146	Y	
1	7/25/79	2	1		140	N	
1	7/25/79	3	1		133	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	7/25/79	4	1		128	N	
1	7/25/79	5	1		120	N	
1	7/25/79	6	1		113	N	
1	7/25/79	7	1		104	N	
1	7/25/79	8	1		96	N	
1	7/25/79	9	1		89	N	
1	7/25/79	10	1		82	N	
1	7/25/79	11	1		78	N	
1	7/25/79	12	1		78	N	
1	9/4/79	1	1		131	Y	
1	9/4/79	2	1		126	N	
1	9/4/79	3	1		118	N	
1	9/4/79	4	1		114	N	
1	9/4/79	5	1		107	N	
1	9/4/79	6	1		101	N	
1	9/4/79	7	1		93	N	
1	9/4/79	8	1		86	N	
1	9/4/79	9	1		79	N	
1	9/4/79	10	1		72	N	
1	9/4/79	11	1		68	N	
1	9/4/79	12	1		67	N	
1	11/15/79	1	1		166	Y	
1	11/15/79	2	1		162	N	
1	11/15/79	3	1		155	N	
1	11/15/79	4	1		151	N	
1	11/15/79	5	1		145	N	
1	11/15/79	7	1		130	N	
1	11/15/79	8	1		123	N	
1	11/15/79	9	1		115	N	
1	11/15/79	10	1		102	N	
1	11/15/79	11	1		92	N	
1	11/15/79	12	1		91	N	
1	2/6/80	1	1		160	Y	
1	2/6/80	2	1		156	N	
1	2/6/80	3	1		149	N	
1	2/6/80	4	1		145	N	
1	2/6/80	5	1		138	N	
1	2/6/80	6	1		130	N	
1	2/6/80	7	1		120	N	
1	2/6/80	8	1		112	N	
1	2/6/80	9	1		100	N	
1	2/6/80	10	1		83	N	
1	2/6/80	11	1		72	N	
1	2/6/80	12	1		71	N	
1	5/12/80	1	1		147	Y	
1	5/12/80	2	1		143	N	
1	5/12/80	3	1		137	N	
1	5/12/80	4	1		132	N	
1	5/12/80	5	1		125	N	
1	5/12/80	6	1		117	N	
1	5/12/80	7	1		107	N	
1	5/12/80	8	1		98	N	
1	5/12/80	9	1		89	N	
1	5/12/80	10	1		80	N	
1	5/12/80	11	1		74	N	
1	5/12/80	12	1		73	N	
1	11/12/80	1	1		151	Y	
1	11/12/80	2	1		148	N	
1	11/12/80	3	1		143	N	
1	11/12/80	4	1		139	N	
1	11/12/80	5	1		133	N	
1	11/12/80	6	1		127	N	
1	11/12/80	7	1		120	N	
1	11/12/80	8	1		113	N	
1	11/12/80	9	1		105	N	
1	11/12/80	10	1		94	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/12/80	11	1		85	N	
1	11/12/80	12	1		84	N	
1	12/1/80	1	1		156	Y	
1	12/1/80	2	1		152	N	
1	12/1/80	3	1		145	N	
1	12/1/80	4	1		141	N	
1	12/1/80	5	1		135	N	
1	12/1/80	6	1		128	N	
1	12/1/80	7	1		120	N	
1	12/1/80	8	1		113	N	
1	12/1/80	9	1		104	N	
1	12/1/80	10	1		88	N	
1	12/1/80	11	1		76	N	
1	12/1/80	12	1		75	N	
1	6/12/81	1	1		135	Y	
1	6/12/81	2	1		132	N	
1	6/12/81	3	1		127	N	
1	6/12/81	4	1		123	N	
1	6/12/81	5	1		118	N	
1	6/12/81	6	1		111	N	
1	6/12/81	7	1		104	N	
1	6/12/81	8	1		97	N	
1	6/12/81	9	1		90	N	
1	6/12/81	10	1		81	N	
1	6/12/81	11	1		75	N	
1	6/12/81	12	1		75	N	
1	11/11/81	1	1		148	Y	
1	11/11/81	2	1		144	N	
1	11/11/81	3	1		138	N	
1	11/11/81	4	1		136	N	
1	11/11/81	5	1		131	N	
1	11/11/81	6	1		127	N	
1	11/11/81	7	1		122	N	
1	11/11/81	8	1		118	N	
1	11/11/81	9	1		109	N	
1	11/11/81	10	1		98	N	
1	11/11/81	11	1		94	N	
1	11/11/81	12	1		95	N	
1	1/14/82	1	1		145	Y	
1	1/14/82	2	1		144	N	
1	1/14/82	3	1		138	N	
1	1/14/82	4	1		134	N	
1	1/14/82	5	1		129	N	
1	1/14/82	6	1		123	N	
1	1/14/82	7	1		118	N	
1	1/14/82	8	1		112	N	
1	1/14/82	9	1		97	N	
1	1/14/82	10	1		84	N	
1	1/14/82	11	1		77	N	
1	1/14/82	12	1		76	N	
1	2/4/82	1	1		161	Y	
1	2/4/82	2	1		157	N	
1	2/4/82	3	1		152	N	
1	2/4/82	4	1		149	N	
1	2/4/82	5	1		143	N	
1	2/4/82	6	1		137	N	
1	2/4/82	7	1		129	N	
1	2/4/82	8	1		122	N	
1	2/4/82	9	1		114	N	
1	2/4/82	10	1		102	N	
1	2/4/82	11	1		90	N	
1	2/4/82	12	1		88	N	
1	3/10/82	1	1		147	Y	
1	3/10/82	2	1		143	N	
1	3/10/82	3	1		138	N	
1	3/10/82	4	1		134	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/10/82	5	1		127	N	
1	3/10/82	6	1		121	N	
1	3/10/82	7	1		115	N	
1	3/10/82	8	1		105	N	
1	3/10/82	9	1		93	N	
1	3/10/82	10	1		80	N	
1	3/10/82	11	1		75	N	
1	3/10/82	12	1		74	N	
1	10/14/83	1	1		133	Y	
1	10/14/83	2	1		128	N	
1	10/14/83	3	1		125	N	
1	10/14/83	4	1		121	N	
1	10/14/83	5	1		113	N	
1	10/14/83	6	1		83	N	
1	11/8/83	1	1		141	Y	
1	11/8/83	2	1		138	N	
1	11/8/83	3	1		133	N	
1	11/8/83	4	1		129	N	
1	11/8/83	5	1		124	N	
1	11/8/83	6	1		87	N	
1	12/6/83	1	1		142	Y	
1	12/6/83	2	1		138	N	
1	12/6/83	3	1		134	N	
1	12/6/83	4	1		130	N	
1	12/6/83	5	1		125	N	
1	12/6/83	6	1		80	N	
1	2/7/84	1	1		142	Y	
1	2/7/84	2	1		139	N	
1	2/7/84	3	1		134	N	
1	2/7/84	4	1		130	N	
1	2/7/84	5	1		124	N	
1	2/7/84	6	1		77	N	
1	2/14/84	1	1		131	Y	
1	2/14/84	2	1		127	N	
1	2/14/84	3	1		122	N	
1	2/14/84	4	1		118	N	
1	2/14/84	5	1		113	N	
1	2/14/84	6	1		67	N	
1	3/26/84	1	1		134	Y	
1	3/26/84	2	1		135	N	
1	3/26/84	3	1		137	N	
1	3/26/84	4	1		119	N	
1	3/26/84	5	1		117	N	
1	3/26/84	6	1		75	N	
1	4/7/84	1	1		126	Y	
1	4/7/84	2	1		122	N	
1	4/7/84	3	1		118	N	
1	4/7/84	4	1		115	N	
1	4/7/84	5	1		109	N	
1	4/7/84	6	1		70	N	
1	6/19/84	1	1		139	Y	
1	6/19/84	2	1		134	N	
1	6/19/84	3	1		130	N	
1	6/19/84	4	1		127	N	
1	6/19/84	5	1		119	N	
1	6/19/84	6	1		78	N	
1	9/3/84	1	1		131	Y	
1	9/3/84	2	1		128	N	
1	9/3/84	3	1		124	N	
1	9/3/84	4	1		121	N	
1	9/3/84	5	1		114	N	
1	9/3/84	6	1		85	N	
1	10/8/84	1	1			Y	77 - suspect data (low)
1	10/8/84	2	1			N	73 - suspect data (low)
1	10/8/84	3	1			N	68 - suspect data (low)
1	10/8/84	4	1			N	68 - suspect data (low)

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	10/8/84	5	1			N	58 - suspect data (low)
1	10/8/84	6	1			N	56 - suspect data (low)
1	10/8/84	7	1			N	56 - suspect data (low)
1	10/8/84	8	1			N	51 - suspect data (low)
1	10/8/84	9	1			N	46 - suspect data (low)
1	10/8/84	10	1			N	35 - suspect data (low)
1	10/8/84	11	1			N	35 - suspect data (low)
1	10/29/84	1	1			Y	74 - suspect data (low)
1	10/29/84	2	1			N	70 - suspect data (low)
1	10/29/84	3	1			N	65 - suspect data (low)
1	10/29/84	4	1			N	59 - suspect data (low)
1	10/29/84	5	1			N	56 - suspect data (low)
1	10/29/84	6	1			N	55 - suspect data (low)
1	10/29/84	7	1			N	54 - suspect data (low)
1	10/29/84	8	1			N	48 - suspect data (low)
1	10/29/84	9	1			N	43 - suspect data (low)
1	10/29/84	10	1			N	37 - suspect data (low)
1	10/29/84	11	1			N	30 - suspect data (low)
1	10/29/84	12	1			N	22 - suspect data (low)
1	3/3/85	1	1		125	Y	
1	3/3/85	2	1		122	N	
1	3/3/85	3	1		118	N	
1	3/3/85	4	1		115	N	
1	3/3/85	5	1		109	N	
1	3/3/85	6	1		70	N	
1	3/5/85	1	1		138	Y	
1	3/5/85	2	1		135	N	
1	3/5/85	3	1		130	N	
1	3/5/85	4	1		127	N	
1	3/5/85	5	1		120	N	
1	3/5/85	6	1		76	N	
1	4/1/85	1	1		140	Y	
1	4/1/85	2	1		137	N	
1	4/1/85	3	1		133	N	
1	4/1/85	4	1		128	N	
1	4/1/85	5	1		123	N	
1	4/1/85	6	1		76	N	
1	6/4/85	1	1		139	Y	
1	6/4/85	2	1		135	N	
1	6/4/85	3	1		131	N	
1	6/4/85	4	1		128	N	
1	6/4/85	5	1		120	N	
1	6/4/85	6	1		80	N	
1	6/10/85	1	1		126	Y	
1	6/10/85	2	1		122	N	
1	6/10/85	3	1		118	N	
1	6/10/85	4	1		115	N	
1	6/10/85	5	1		109	N	
1	6/10/85	6	1		76	N	
1	7/2/85	1	1		139	Y	
1	7/2/85	2	1		134	N	
1	7/2/85	3	1		131	N	
1	7/2/85	4	1		128	N	
1	7/2/85	5	1		120	N	
1	7/2/85	6	1		83	N	
1	8/5/85	1	1		137	Y	
1	8/5/85	2	1		133	N	
1	8/5/85	3	1		130	N	
1	8/5/85	4	1		127	N	
1	8/5/85	5	1		121	N	
1	8/5/85	6	1		85	N	
1	9/1/85	1	1		138	Y	
1	9/1/85	2	1		133	N	
1	9/1/85	3	1		130	N	
1	9/1/85	4	1		127	N	
1	9/1/85	5	1		120	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	9/1/85	6	1		87	N	
1	1/6/86	1	1		138.3	Y	
1	1/6/86	2	1		134.8	N	
1	1/6/86	3	1		129.8	N	
1	1/6/86	4	1		125.7	N	
1	1/6/86	5	1		121	N	
1	1/6/86	6	1		75	N	
1	3/4/86	1	1		140	Y	
1	3/4/86	2	1		136	N	
1	3/4/86	3	1		131	N	
1	3/4/86	4	1		127	N	
1	3/4/86	5	1		121	N	
1	3/4/86	6	1		75	N	
1	4/7/86	1	1		139	Y	
1	4/7/86	2	1		135	N	
1	4/7/86	3	1		131	N	
1	4/7/86	4	1		126	N	
1	4/7/86	5	1		120	N	
1	4/7/86	6	1		74	N	
1	5/11/86	1	1		139.3	Y	
1	5/11/86	2	1		135.9	N	
1	5/11/86	3	1		131.8	N	
1	5/11/86	4	1		127.6	N	
1	5/11/86	5	1		120.3	N	
1	5/11/86	6	1		77	N	
1	6/3/86	1	1		139	Y	
1	6/3/86	2	1		135	N	
1	6/3/86	3	1		131	N	
1	6/3/86	4	1		127	N	
1	6/3/86	5	1		120	N	
1	6/3/86	6	1		78	N	
1	8/4/86	1	1		123	Y	
1	8/4/86	2	1		124	N	
1	8/4/86	3	1		124	N	
1	8/4/86	4	1		126	N	
1	8/4/86	5	1		119	N	
1	8/4/86	6	1		89	N	
1	9/1/86	1	1		147	Y	
1	9/1/86	2	1		143	N	
1	9/1/86	3	1		140	N	
1	9/1/86	4	1		136	N	
1	9/1/86	5	1		129	N	
1	9/1/86	6	1		98	N	
1	11/1/86	1	1		123	Y	
1	11/1/86	2	1		120	N	
1	11/1/86	3	1		117	N	
1	11/1/86	4	1		118	N	
1	11/1/86	5	1		110	N	
1	11/1/86	6	1		80	N	
1	12/3/86	1	1		120	Y	
1	12/3/86	2	1		117	N	
1	12/3/86	3	1		114	N	
1	12/3/86	4	1		111	N	
1	12/3/86	5	1		106	N	
1	12/3/86	6	1		73	N	
1	2/3/87	1	1		135	Y	
1	2/3/87	2	1		131	N	
1	2/3/87	3	1		128	N	
1	2/3/87	4	1		125	N	
1	2/3/87	5	1		119	N	
1	2/3/87	6	1		73	N	
1	3/2/87	1	1		135	Y	
1	3/2/87	2	1		132	N	
1	3/2/87	3	1		127	N	
1	3/2/87	4	1		123	N	
1	3/2/87	5	1		117	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/2/87	6	1		74	N	
1	4/13/87	1	1		130	Y	
1	4/13/87	2	1		126	N	
1	4/13/87	3	1		122	N	
1	4/13/87	4	1		119	N	
1	4/13/87	5	1		113	N	
1	4/13/87	6	1		69	N	
1	6/1/87	1	1		134	Y	
1	6/1/87	2	1		130	N	
1	6/1/87	3	1		126	N	
1	6/1/87	4	1		123	N	
1	6/1/87	5	1		115	N	
1	6/1/87	6	1		78	N	
1	7/6/87	1	1		136	Y	
1	7/6/87	2	1		132	N	
1	7/6/87	3	1		130	N	
1	7/6/87	4	1		126	N	
1	7/6/87	5	1		119	N	
1	7/6/87	6	1		82	N	
1	8/4/87	1	1		132.9	Y	
1	8/4/87	2	1		128.6	N	
1	8/4/87	3	1		127.3	N	
1	8/4/87	4	1		123.8	N	
1	8/4/87	5	1		118.3	N	
1	8/4/87	6	1		83.1	N	
1	9/7/87	1	1		135.1	Y	
1	9/7/87	2	1		131.6	N	
1	9/7/87	3	1		128.7	N	
1	9/7/87	4	1		124.2	N	
1	9/7/87	5	1		117.3	N	
1	9/7/87	6	1		85.1	N	
1	10/5/87	1	1		135	Y	
1	10/5/87	2	1		131	N	
1	10/5/87	3	1		128	N	
1	10/5/87	4	1		125	N	
1	10/5/87	5	1		118	N	
1	10/5/87	6	1		87	N	
1	11/3/87	1	1		122	Y	
1	11/3/87	2	1		118	N	
1	11/3/87	3	1		116	N	
1	11/3/87	4	1		113	N	
1	11/3/87	5	1		109	N	
1	11/3/87	6	1		80	N	
1	3/7/88	1	1		137	Y	
1	3/7/88	2	1		133	N	
1	3/7/88	3	1		129	N	
1	3/7/88	4	1		126	N	
1	3/7/88	5	1		120	N	
1	4/6/88	1	1		123	Y	
1	4/6/88	2	1		119	N	
1	4/6/88	3	1		116	N	
1	4/6/88	4	1		113	N	
1	4/6/88	5	1		108	N	
1	4/6/88	6	1		74	N	
1	5/2/88	1	1		134	Y	
1	5/2/88	2	1		130	N	
1	5/2/88	3	1		128	N	
1	5/2/88	4	1		124	N	
1	5/2/88	5	1		119	N	
1	5/2/88	6	1		79	N	
1	5/3/88	1	1		134	Y	
1	5/3/88	2	1		130	N	
1	5/3/88	3	1		128	N	
1	5/3/88	4	1		124	N	
1	5/3/88	5	1		119	N	
1	5/3/88	6	1		79	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	6/7/88	1	1		132	Y	
1	6/7/88	2	1		127	N	
1	6/7/88	3	1		126	N	
1	6/7/88	4	1		122	N	
1	6/7/88	5	1		116	N	
1	6/7/88	6	1		80	N	
1	7/4/88	1	1		133	Y	
1	7/4/88	2	1		129	N	
1	7/4/88	3	1		127	N	
1	7/4/88	4	1		123	N	
1	7/4/88	5	1		118	N	
1	7/4/88	6	1		82	N	
1	8/1/88	1	1		118	Y	
1	8/1/88	2	1		115	N	
1	8/1/88	3	1		112	N	
1	8/1/88	4	1		109	N	
1	8/1/88	5	1		85	N	
1	8/1/88	6	1		68	N	
1	9/5/88	1	1		133	Y	
1	9/5/88	2	1		132	N	
1	9/5/88	3	1		129	N	
1	9/5/88	4	1		123	N	
1	9/5/88	5	1		115	N	
1	9/5/88	6	1		82	N	
1	10/3/88	1	1		133	Y	
1	10/3/88	2	1		129	N	
1	10/3/88	3	1		128	N	
1	10/3/88	4	1		124	N	
1	10/3/88	5	1		120	N	
1	10/3/88	6	1		89	N	
1	2/7/89	1	1		140	Y	
1	2/7/89	2	1		138	N	
1	2/7/89	3	1		136	N	
1	2/7/89	4	1		132	N	
1	2/7/89	5	1		128	N	
1	2/7/89	6	1		88	N	
1	3/6/89	1	1		135	Y	
1	3/6/89	2	1		130	N	
1	3/6/89	3	1		128	N	
1	3/6/89	4	1		124	N	
1	3/6/89	5	1		119	N	
1	3/6/89	6	1		80	N	
1	4/5/89	1	1		137	Y	
1	4/5/89	2	1		133	N	
1	4/5/89	3	1		130	N	
1	4/5/89	4	1		126	N	
1	4/5/89	5	1		121	N	
1	4/5/89	6	1		80	N	
1	6/6/89	1	1		135	Y	
1	6/6/89	2	1		131	N	
1	6/6/89	3	1		130	N	
1	6/6/89	4	1		124	N	
1	6/6/89	5	1		118	N	
1	6/6/89	6	1		80	N	
1	8/2/89	1	1		134	Y	
1	8/2/89	2	1		131	N	
1	8/2/89	3	1		128	N	
1	8/2/89	4	1		124	N	
1	8/2/89	5	1		118	N	
1	8/2/89	6	1		84	N	
1	8/7/89	1	1		127	Y	
1	8/7/89	2	1		124	N	
1	8/7/89	3	1		122	N	
1	8/7/89	4	1		118	N	
1	8/7/89	5	1		114	N	
1	8/7/89	6	1		86	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	9/4/89	1	1		134	Y	
1	9/4/89	2	1		130	N	
1	9/4/89	3	1		128	N	
1	9/4/89	4	1		124	N	
1	9/4/89	5	1		118	N	
1	9/4/89	6	1		86	N	
1	10/12/89	1	1		135.4	Y	
1	10/12/89	2	1		131.5	N	
1	10/12/89	3	1		129.1	N	
1	10/12/89	4	1		125.1	N	
1	10/12/89	5	1		120.7	N	
1	10/12/89	6	1		88.9	N	
1	10/23/89	1	1		135.4	Y	
1	10/23/89	2	1		131.5	N	
1	10/23/89	3	1		129.1	N	
1	10/23/89	4	1		125.1	N	
1	10/23/89	5	1		120.7	N	
1	10/23/89	6	1		88.9	N	
1	11/18/89	1	1		135.8	Y	
1	11/18/89	2	1		131.6	N	
1	11/18/89	3	1		129.2	N	
1	11/18/89	4	1		124.8	N	
1	11/18/89	5	1		121	N	
1	11/18/89	6	1		87.5	N	Tests on 106-BY taken with J
1	11/25/89	1	1		135.6	Y	
1	11/25/89	2	1		131.9	N	
1	11/25/89	3	1		129.2	N	
1	11/25/89	4	1		124.5	N	
1	11/25/89	5	1		120.5	N	
1	11/25/89	6	1		87	N	
1	12/1/89	1	1		136.3	Y	
1	12/1/89	2	1		132.4	N	
1	12/1/89	3	1		129.5	N	
1	12/1/89	4	1		126	N	
1	12/1/89	5	1		121.6	N	
1	12/1/89	6	1		86.7	N	
1	12/10/89	1	1		136.3	Y	
1	12/10/89	2	1		132.4	N	
1	12/10/89	3	1		129.8	N	
1	12/10/89	4	1		125.9	N	
1	12/10/89	5	1		122	N	
1	12/10/89	6	1		87	N	
1	12/15/89	1	1		136	Y	
1	12/15/89	2	1		132.3	N	
1	12/15/89	3	1		129.6	N	
1	12/15/89	4	1		125.6	N	
1	12/15/89	5	1		121.3	N	
1	12/23/89	1	1		136	Y	
1	12/23/89	2	1		132	N	
1	12/23/89	3	1		130	N	
1	12/23/89	4	1		126	N	
1	12/23/89	5	1		122	N	
1	12/23/89	6	1		85	N	
1	12/29/89	1	1		136	Y	J-2E-OP-20
1	12/29/89	2	1		133	N	
1	12/29/89	3	1		130	N	
1	12/29/89	4	1		126	N	
1	12/29/89	5	1		122	N	
1	12/29/89	6	1		85	N	
1	1/6/90	1	1		132.6	Y	
1	1/6/90	2	1		128.7	N	
1	1/6/90	3	1		126.2	N	
1	1/6/90	4	1		122.4	N	
1	1/6/90	5	1		118	N	
1	1/6/90	6	1		81.5	N	
1	1/13/90	1	1		131	Y	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/13/90	2	1		127.2	N	
1	1/13/90	3	1		125	N	
1	1/13/90	4	1		120.6	N	
1	1/13/90	5	1		117	N	
1	1/13/90	6	1		80	N	J
1	1/19/90	1	1		132	Y	
1	1/19/90	2	1		128	N	
1	1/19/90	3	1		125.4	N	
1	1/19/90	4	1		121.6	N	
1	1/19/90	5	1		117	N	
1	1/19/90	6	1		79.9	N	J
1	1/27/90	1	1		133.6	Y	
1	1/27/90	2	1		129.6	N	
1	1/27/90	3	1		127	N	
1	1/27/90	4	1		123	N	
1	1/27/90	5	1		118.7	N	
1	1/27/90	6	1		79.9	N	
1	2/3/90	1	1		135.2	Y	J-2E-OP-020
1	2/3/90	2	1		131.8	N	
1	2/3/90	3	1		129.2	N	
1	2/3/90	4	1		126.1	N	
1	2/3/90	5	1		121.2	N	
1	2/3/90	6	1		81.3	N	
1	2/5/90	1	1		133.4	Y	J-2E-OP-021
1	2/5/90	2	1		129.6	N	
1	2/5/90	3	1		127	N	
1	2/5/90	4	1		123.5	N	
1	2/5/90	5	1		118.3	N	
1	2/5/90	6	1		79	N	
1	2/11/90	1	1		133.4	Y	J-2E-OP-021
1	2/11/90	2	1		129.8	N	
1	2/11/90	3	1		127.2	N	
1	2/11/90	4	1		123.6	N	
1	2/11/90	5	1		118.5	N	
1	2/11/90	6	1		78.7	N	
1	3/2/90	1	1		135.8	Y	
1	3/2/90	2	1		132.5	N	
1	3/2/90	3	1		130.1	N	
1	3/2/90	4	1		125.3	N	
1	3/2/90	5	1		120.8	N	
1	3/2/90	6	1		80.2	N	
1	3/5/90	1	1		135.7	Y	J-2E-OP-020
1	3/5/90	2	1		131.7	N	
1	3/5/90	3	1		129.1	N	
1	3/5/90	4	1		125.2	N	
1	3/5/90	5	1		120.2	N	
1	3/5/90	6	1		80.3	N	
1	4/3/90	1	1		134.8	Y	Type J 2E-OP-020
1	4/3/90	2	1		131.2	N	
1	4/3/90	3	1		128.5	N	
1	4/3/90	4	1		124.3	N	
1	4/3/90	5	1		118.2	N	
1	4/3/90	6	1		78.4	N	
1	4/8/90	1	1		134	Y	
1	4/8/90	2	1		131	N	
1	4/8/90	3	1		128	N	
1	4/8/90	4	1		124	N	
1	4/8/90	5	1		119	N	
1	4/8/90	6	1		79	N	
1	5/5/90	1	1		132	Y	
1	5/5/90	2	1		129	N	
1	5/5/90	3	1		126	N	
1	5/5/90	4	1		122	N	
1	5/5/90	5	1		117	N	
1	5/5/90	6	1		78	N	
1	6/1/90	1	1		134	Y	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	6/1/90	2	1		130.6	N	
1	6/1/90	3	1		127.6	N	
1	6/1/90	4	1		123.7	N	
1	6/1/90	5	1		118.2	N	
1	6/1/90	6	1		81.2	N	
1	7/8/90	1	1		133.9	Y	J-2E-OP-020
1	7/8/90	2	1		130.2	N	
1	7/8/90	3	1		127.6	N	
1	7/8/90	4	1		124	N	
1	7/8/90	5	1		119	N	
1	7/8/90	6	1		83.9	N	
1	8/5/90	1	1		130.3	Y	J
1	8/5/90	2	1		126.6	N	
1	8/5/90	3	1		124.1	N	
1	8/5/90	4	1		120.2	N	
1	8/5/90	5	1		115.8	N	
1	8/5/90	6	1		83.9	N	
1	9/11/90	1	1		129	Y	J
1	9/11/90	2	1		126	N	
1	9/11/90	3	1		125	N	
1	9/11/90	4	1		118	N	
1	9/11/90	5	1		114	N	
1	9/11/90	6	1		84	N	
1	10/9/90	1	1		130	Y	J
1	10/9/90	2	1		127	N	
1	10/9/90	3	1		124	N	
1	10/9/90	4	1		121	N	
1	10/9/90	5	1		116	N	
1	10/9/90	6	1		86	N	
1	10/26/90	1	1		127.6	Y	J-890523512-20
1	10/26/90	2	1		124.9	N	
1	10/26/90	3	1		122.6	N	
1	10/26/90	4	1		119	N	
1	10/26/90	5	1		114.8	N	
1	10/26/90	6	1		83.8	N	
1	10/30/90	1	1		130.1	Y	J 89052312-20
1	10/30/90	2	1		126.9	N	
1	10/30/90	3	1		124.7	N	
1	10/30/90	4	1		124.7	N	
1	10/30/90	5	1		117.2	N	
1	10/30/90	6	1		86.3	N	
1	11/5/90	1	1		131.1	Y	J 890523512-20
1	11/5/90	2	1		127.4	N	
1	11/5/90	3	1		124.7	N	
1	11/5/90	4	1		121.2	N	
1	11/5/90	5	1		116.8	N	
1	11/5/90	6	1		86	N	
1	11/12/90	1	1		129.9	Y	2E-OP-021
1	11/12/90	2	1		126.5	N	
1	11/12/90	3	1		124.5	N	
1	11/12/90	4	1		121.2	N	
1	11/12/90	5	1		117.1	N	
1	11/12/90	6	1		85.2	N	
1	11/18/90	1	1		130.5	Y	J 890523512-20
1	11/18/90	2	1		126.8	N	
1	11/18/90	3	1		124.7	N	
1	11/18/90	4	1		121.4	N	
1	11/18/90	5	1		116.5	N	
1	11/18/90	6	1		85	N	
1	11/25/90	1	1		130.3	Y	J 2E-OP-021
1	11/25/90	2	1		126.9	N	
1	11/25/90	3	1		124.4	N	
1	11/25/90	4	1		120.3	N	
1	11/25/90	5	1		116.5	N	
1	11/25/90	6	1		82.4	N	
1	12/5/90	1	1		130.2	Y	J 890523512-20

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/5/90	2	1		126.5	N	
1	12/5/90	3	1		124.2	N	
1	12/5/90	4	1		121.1	N	
1	12/5/90	5	1		116.9	N	
1	12/5/90	6	1		83.2	N	
1	12/11/90	1	1		129.5	Y	J 890423320-11
1	12/11/90	2	1		126	N	
1	12/11/90	3	1		123.6	N	
1	12/11/90	4	1		120.1	N	
1	12/11/90	5	1		116	N	
1	12/11/90	6	1		82.2	N	
1	12/15/90	1	1		131.7	Y	HH-99A-J
1	12/15/90	2	1		129.4	N	
1	12/15/90	3	1		126.7	N	
1	12/15/90	4	1		123	N	
1	12/15/90	5	1		118.8	N	
1	12/15/90	6	1		84.5	N	
1	12/22/90	1	1		132	Y	J 890423320-11
1	12/22/90	2	1		128	N	
1	12/22/90	3	1		126	N	
1	12/22/90	4	1		124	N	
1	12/22/90	5	1		120	N	
1	12/22/90	6	1		84	N	
1	12/30/90	1	1		131.8	Y	J-2E-OP-021
1	12/30/90	2	1		128.5	N	
1	12/30/90	3	1		125.7	N	
1	12/30/90	4	1		122.4	N	
1	12/30/90	5	1		118.6	N	
1	12/30/90	6	1		82.2	N	
1	1/6/91	1	1		131	Y	J
1	1/6/91	2	1		128	N	
1	1/6/91	3	1		125	N	
1	1/6/91	4	1		121	N	
1	1/6/91	5	1		117	N	
1	1/6/91	6	1		81	N	
1	1/13/91	1	1		130	Y	J 890423320-11
1	1/13/91	2	1		126.4	N	
1	1/13/91	3	1		123.9	N	
1	1/13/91	4	1		119.8	N	
1	1/13/91	5	1		117	N	
1	1/13/91	6	1		79.6	N	
1	1/19/91	1	1		130.3	Y	J HH99A-J
1	1/19/91	2	1		127.7	N	
1	1/19/91	3	1		124.9	N	
1	1/19/91	4	1		122.6	N	
1	1/19/91	5	1		118.4	N	
1	1/19/91	6	1		80.6	N	
1	1/29/91	1	1		132.3	Y	J HH-99A
1	1/29/91	2	1		128.6	N	
1	1/29/91	3	1		126.6	N	
1	1/29/91	4	1		122.7	N	
1	1/29/91	5	1		118.6	N	
1	1/29/91	6	1		78.4	N	
1	2/3/91	1	1		128	Y	J Ser#890523512-47
1	2/3/91	2	1		124	N	
1	2/3/91	3	1		122	N	
1	2/3/91	4	1		118	N	
1	2/3/91	5	1		114	N	
1	2/3/91	6	1		76	N	
1	2/9/91	1	1		130.2	Y	J 890523512-47
1	2/9/91	2	1		126.8	N	
1	2/9/91	3	1		124.8	N	
1	2/9/91	4	1		121.6	N	
1	2/9/91	5	1		116.7	N	
1	2/9/91	6	1		78	N	
1	2/16/91	1	1		127.8	Y	J 890523512-47

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	2/16/91	2	1		124.4	N	
1	2/16/91	3	1		122.5	N	
1	2/16/91	4	1		118.6	N	
1	2/16/91	5	1		115.2	N	
1	2/16/91	6	1		75.9	N	
1	2/23/91	1	1		129	Y	J 890723512-47
1	2/23/91	2	1		125.2	N	
1	2/23/91	3	1		123.8	N	
1	2/23/91	4	1		120.2	N	
1	2/23/91	5	1		116.2	N	
1	2/23/91	6	1		76.92	N	
1	3/3/91	1	1		126.6	Y	890523512-47
1	3/3/91	2	1		123.3	N	
1	3/3/91	3	1		121.2	N	
1	3/3/91	4	1		117.8	N	
1	3/3/91	5	1		113.3	N	
1	3/3/91	6	1		74	N	
1	3/9/91	1	1		133.4	Y	2E-OP-020
1	3/9/91	2	1		129.9	N	
1	3/9/91	3	1		128	N	
1	3/9/91	4	1		124.8	N	
1	3/9/91	5	1		120.3	N	
1	3/9/91	6	1		79.6	N	
1	3/17/91	1	1		133.5	Y	J 2E-OP-021
1	3/17/91	2	1		129.9	N	
1	3/17/91	3	1		128.2	N	
1	3/17/91	4	1		124	N	
1	3/17/91	5	1		119.4	N	
1	3/17/91	6	1		79	N	
1	3/23/91	1	1			N	O/S Retest requested 3/27
1	3/27/91	1	1		134.2	Y	J 890523512-20 Rechecked
1	3/27/91	2	1		130.7	N	
1	3/27/91	3	1		127.7	N	
1	3/27/91	4	1		124.4	N	
1	3/27/91	5	1		119.6	N	
1	3/27/91	6	1		78.8	N	
1	3/30/91	1	1		134	Y	J 890523512-20
1	3/30/91	2	1		130.5	N	
1	3/30/91	3	1		127.6	N	
1	3/30/91	4	1		124.6	N	
1	3/30/91	5	1		118.7	N	
1	3/30/91	6	1		77.5	N	
1	4/7/91	1	1		130.2	Y	J 890423320-11
1	4/7/91	2	1		127.2	N	
1	4/7/91	3	1		125.5	N	
1	4/7/91	4	1		122.8	N	
1	4/7/91	5	1		119	N	
1	4/7/91	6	1		78.6	N	
1	4/14/91	1	1		130.7	Y	J 890523512-20
1	4/14/91	2	1		127.8	N	
1	4/14/91	3	1		125.6	N	
1	4/14/91	4	1		122.1	N	
1	4/14/91	5	1		118.5	N	
1	4/14/91	6	1		78.4	N	
1	4/20/91	1	1		129	Y	J 890523512-20
1	4/20/91	2	1		126	N	
1	4/20/91	3	1		124.5	N	
1	4/20/91	4	1		121.7	N	
1	4/20/91	5	1		118	N	
1	4/20/91	6	1		78	N	
1	4/28/91	1	1		129.9	Y	J 890523512-20
1	4/28/91	2	1		126.8	N	
1	4/28/91	3	1		125.7	N	
1	4/28/91	4	1		122.6	N	
1	4/28/91	5	1		117.5	N	
1	4/28/91	6	1		78.2	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	5/5/91	1	1		130	Y	J 890523512-20
1	5/5/91	2	1		126.7	N	
1	5/5/91	3	1		124.8	N	
1	5/5/91	4	1		120.8	N	
1	5/5/91	5	1		116.5	N	
1	5/5/91	6	1		77.7	N	
1	5/12/91	1	1		130.3	Y	J 890523512
1	5/12/91	2	1		126.7	N	
1	5/12/91	3	1		124.7	N	
1	5/12/91	4	1		120.3	N	
1	5/12/91	5	1		116.5	N	
1	5/12/91	6	1		78.2	N	
1	5/18/91	1	1		132	Y	J Keithley 872 2E-OP-020
1	5/18/91	2	1		129.1	N	
1	5/18/91	3	1		127.1	N	
1	5/18/91	4	1		123.1	N	
1	5/18/91	5	1		119.1	N	
1	5/18/91	6	1		79.6	N	
1	5/25/91	1	1		132.2	Y	J 2E-OP-021
1	5/25/91	2	1		129.3	N	
1	5/25/91	3	1		127	N	
1	5/25/91	4	1		123	N	
1	5/25/91	5	1		118.9	N	
1	5/25/91	6	1		79.9	N	
1	6/2/91	1	1		128.3	Y	J 890423320-42
1	6/2/91	2	1		125.4	N	
1	6/2/91	3	1		124.5	N	
1	6/2/91	4	1		121.5	N	
1	6/2/91	5	1		116.6	N	
1	6/2/91	6	1		78.6	N	
1	6/9/91	1	1		129.6	Y	J 890523512-20
1	6/9/91	2	1		127	N	
1	6/9/91	3	1		124.9	N	
1	6/9/91	4	1		121	N	
1	6/9/91	5	1		116.4	N	
1	6/9/91	6	1		79.4	N	
1	6/15/91	1	1		132.1	Y	J 2E-OP-021
1	6/15/91	2	1		128.6	N	
1	6/15/91	3	1		126.6	N	
1	6/15/91	4	1		122.6	N	
1	6/15/91	5	1		117.9	N	
1	6/15/91	6	1		80.5	N	
1	6/23/91	1	1		131	Y	J 2E-OP-021
1	6/23/91	2	1		128	N	
1	6/23/91	3	1		126	N	
1	6/23/91	4	1		122	N	
1	6/23/91	5	1		118	N	
1	6/23/91	6	1		81	N	
1	6/29/91	1	1		129	Y	J 890423220-42
1	6/29/91	2	1		125.7	N	
1	6/29/91	3	1		123.4	N	
1	6/29/91	4	1		119.2	N	
1	6/29/91	5	1		115.6	N	
1	6/29/91	6	1		79.8	N	
1	7/6/91	1	1		130	Y	J 910126143-42
1	7/6/91	2	1		127.6	N	
1	7/6/91	3	1		125.4	N	
1	7/6/91	4	1		121.4	N	
1	7/6/91	5	1		117.3	N	
1	7/6/91	6	1		81.4	N	
1	7/13/91	1	1		130	Y	J 910126143-42
1	7/13/91	2	1		127.6	N	
1	7/13/91	3	1		125.4	N	
1	7/13/91	4	1		121.4	N	
1	7/13/91	5	1		118	N	
1	7/13/91	6	1		81.4	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	7/20/91	1	1		128.3	Y	J 910126143-64
1	7/20/91	2	1		125.9	N	
1	7/20/91	3	1		124.1	N	
1	7/20/91	4	1		119.7	N	
1	7/20/91	5	1		115.7	N	
1	7/20/91	6	1		80.8	N	
1	7/27/91	1	1		126.7	Y	J 910126143-14
1	7/27/91	2	1		124.3	N	
1	7/27/91	3	1		122.9	N	
1	7/27/91	4	1		120.3	N	
1	7/27/91	5	1		115.3	N	
1	7/27/91	6	1		81.1	N	
1	8/3/91	1	1		126.3	Y	J 910126143-14
1	8/3/91	2	1		124.2	N	
1	8/3/91	3	1		123.4	N	
1	8/3/91	4	1		120.4	N	
1	8/3/91	5	1		116.2	N	
1	8/3/91	6	1		81.6	N	
1	8/10/91	1	1		126	Y	J 890523512-20
1	8/10/91	2	1		124	N	
1	8/10/91	3	1		124	N	
1	8/10/91	4	1		121	N	
1	8/10/91	5	1		117	N	
1	8/10/91	6	1		82	N	
1	8/18/91	1	1		126.5	Y	J 890523512-20
1	8/18/91	2	1		124.3	N	
1	8/18/91	3	1		123.5	N	
1	8/18/91	4	1		120.7	N	
1	8/18/91	5	1		116.5	N	
1	8/18/91	6	1		83	N	
1	8/24/91	1	1		127.2	Y	J 890523512-20
1	8/24/91	2	1		124.8	N	
1	8/24/91	3	1		123.7	N	
1	8/24/91	4	1		120.9	N	
1	8/24/91	5	1		116.9	N	
1	8/24/91	6	1		83.8	N	
1	8/31/91	1	1		126.2	Y	J-890423320-42
1	8/31/91	2	1		123.6	N	
1	8/31/91	3	1		122.7	N	
1	8/31/91	4	1		120	N	
1	8/31/91	5	1		115.7	N	
1	8/31/91	6	1		83.5	N	
1	9/8/91	1	1		126.2	Y	J-890423320-42
1	9/8/91	2	1		123.6	N	
1	9/8/91	3	1		122.7	N	
1	9/8/91	4	1		120.1	N	
1	9/8/91	5	1		115.7	N	
1	9/8/91	6	1		83.5	N	
1	9/15/91	1	1		126.4	Y	J-910126143-75
1	9/15/91	2	1		123.9	N	
1	9/15/91	3	1		123.2	N	
1	9/15/91	4	1		120.9	N	
1	9/15/91	5	1		116.2	N	
1	9/15/91	6	1		85	N	
1	9/22/91	1	1		131.4	Y	J-910126143-75
1	9/22/91	2	1		128.2	N	
1	9/22/91	3	1		125.2	N	
1	9/22/91	4	1		121.8	N	
1	9/22/91	5	1		117.7	N	
1	9/22/91	6	1		86.4	N	
1	9/28/91	1	1		130.2	Y	J-Keithley 872# T1-059
1	9/28/91	2	1		127.4	N	
1	9/28/91	3	1		126.3	N	
1	9/28/91	4	1		123.2	N	
1	9/28/91	5	1		119	N	
1	9/28/91	6	1		86.7	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	10/5/91	1	1		131.7	Y	J-910126143-42
1	10/5/91	2	1		128.4	N	
1	10/5/91	3	1		126.7	N	
1	10/5/91	4	1		123.7	N	
1	10/5/91	5	1		118.4	N	
1	10/5/91	6	1		88.1	N	
1	10/12/91	1	1		128.3	Y	J-TI023
1	10/12/91	2	1		125.1	N	
1	10/12/91	3	1		123.3	N	
1	10/12/91	4	1		120.1	N	
1	10/12/91	5	1		116.8	N	
1	10/12/91	6	1		86	N	
1	10/19/91	1	1		128.6	Y	J-890523512-47
1	10/19/91	2	1		125.7	N	
1	10/19/91	3	1		124.5	N	
1	10/19/91	4	1		121.9	N	
1	10/19/91	5	1		117.7	N	
1	10/19/91	6	1		86.4	N	
1	10/27/91	1	1			N	J-3 written
1	11/2/91	1	1		128	Y	J-890523512-47
1	11/2/91	2	1		124	N	
1	11/2/91	3	1		122	N	
1	11/2/91	4	1		119	N	
1	11/2/91	5	1		115	N	
1	11/2/91	6	1		83	N	
1	11/9/91	1	1		128	Y	J-2E-OP-02
1	11/9/91	2	1		124	N	
1	11/9/91	3	1		127	N	
1	11/9/91	4	1		117	N	
1	11/9/91	5	1		115	N	
1	11/9/91	6	1		83	N	
1	11/17/91	1	1		128.2	Y	J-910126143-75
1	11/17/91	2	1		124.9	N	
1	11/17/91	3	1		123.4	N	
1	11/17/91	4	1		118.6	N	
1	11/17/91	5	1		115.4	N	
1	11/17/91	6	1		81.6	N	
1	11/24/91	1	1		128.6	Y	J-910126145-75
1	11/24/91	2	1		124.9	N	
1	11/24/91	3	1		122.2	N	
1	11/24/91	4	1		118.5	N	
1	11/24/91	5	1		114.6	N	
1	11/24/91	6	1		81.9	N	
1	12/1/91	1	1		128.7	Y	J-910126143-14
1	12/1/91	2	1		125.5	N	
1	12/1/91	3	1		123.3	N	
1	12/1/91	4	1		119.7	N	
1	12/1/91	5	1		115.9	N	
1	12/1/91	6	1		82.5	N	
1	12/6/91	1	1		129.7	Y	J-910126143-29 TC #5 O/S
1	12/6/91	2	1		126	N	
1	12/6/91	3	1		123.6	N	
1	12/6/91	4	1		119.7	N	
1	12/6/91	6	1		82.2	N	
1	12/14/91	1	1		129.4	Y	J-910126143-29
1	12/14/91	2	1		126	N	
1	12/14/91	3	1		124.5	N	
1	12/14/91	4	1		121.9	N	
1	12/14/91	5	1		117.4	N	
1	12/14/91	6	1		82.5	N	
1	12/20/91	1	1		130	Y	J-910126143-29
1	12/20/91	2	1		126.1	N	
1	12/20/91	3	1		123.7	N	
1	12/20/91	4	1		120.3	N	
1	12/20/91	5	1		116	N	
1	12/20/91	6	1		81.3	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/29/91	1	1		129.8	Y	J-910126143-29
1	12/29/91	2	1		126.2	N	
1	12/29/91	3	1		123.7	N	
1	12/29/91	4	1		119.6	N	
1	12/29/91	5	1		116.2	N	
1	12/29/91	6	1		80.4	N	
1	1/4/92	1	1		129	Y	910126143-50 HH-99A-J
1	1/4/92	2	1		125.7	N	
1	1/4/92	3	1		123.4	N	
1	1/4/92	4	1		119.5	N	
1	1/4/92	5	1		116.8	N	
1	1/4/92	6	1		79.8	N	
1	1/11/92	1	1		128.3	Y	910126143-14
1	1/11/92	2	1		124.8	N	
1	1/11/92	3	1		122.2	N	
1	1/11/92	4	1		118.2	N	
1	1/11/92	5	1		114.7	N	
1	1/11/92	6	1		76.1	N	
1	1/16/92	1	1		130	Y	J 910126143-32
1	1/16/92	2	1		126.2	N	
1	1/16/92	3	1		123.5	N	
1	1/16/92	4	1		120	N	
1	1/16/92	5	1		116.2	N	
1	1/16/92	6	1		77.3	N	
1	1/28/92	1	1			N	ACCESS RESTRICTED 1/28 - 2/22 DUE TO BATTERY FUME INCIDENT
1	2/24/92	1	1		130.5	Y	J-900925741-79
1	2/24/92	2	1		126.6	N	
1	2/24/92	3	1		124.4	N	
1	2/24/92	4	1		121.3	N	
1	2/24/92	5	1		116.3	N	
1	2/24/92	6	1		77.9	N	
1	2/29/92	1	1		129	Y	J+I-038/91012614332
1	2/29/92	2	1		125.8	N	
1	2/29/92	3	1		123.6	N	
1	2/29/92	4	1		119.3	N	
1	2/29/92	5	1		111.3	N	
1	2/29/92	6	1		77	N	
1	3/8/92	1	1		129.5	Y	J 910126143-48
1	3/8/92	2	1		126.7	N	
1	3/8/92	3	1		125.7	N	
1	3/8/92	4	1		122.5	N	
1	3/8/92	5	1		117.8	N	
1	3/8/92	6	1		78.3	N	
1	3/15/92	1	1		131.3	Y	J-910126143-32
1	3/15/92	2	1		128.1	N	
1	3/15/92	3	1		126.3	N	
1	3/15/92	4	1		122.2	N	
1	3/15/92	5	1		117.9	N	
1	3/15/92	6	1		78	N	
1	3/20/92	1	1		130.5	N	
1	3/20/92	2	1		126.6	N	
1	3/20/92	3	1		124.6	N	
1	3/20/92	4	1		121	N	
1	3/20/92	5	1		116.4	N	
1	3/20/92	6	1		76.9	N	
1	3/29/92	1	1		130.5	Y	J 910126143-66
1	3/29/92	2	1		127.3	N	
1	3/29/92	3	1		124.9	N	
1	3/29/92	4	1		121.4	N	
1	3/29/92	5	1		117.2	N	
1	3/29/92	6	1		78.2	N	
1	4/3/92	1	1		128.2	Y	J 910126143-14
1	4/3/92	2	1		125.2	N	
1	4/3/92	3	1		123.2	N	
1	4/3/92	4	1		119.7	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	4/3/92	5	1		115.6	N	
1	4/3/92	6	1		76.9	N	
1	4/11/92	1	1		129.8	Y	J 910126143-64
1	4/11/92	2	1		126.4	N	
1	4/11/92	3	1		124.1	N	
1	4/11/92	4	1		120.1	N	
1	4/11/92	5	1		116.4	N	
1	4/11/92	6	1		77.5	N	
1	4/17/92	1	1		130.4	Y	J 890523512
1	4/17/92	2	1		127.1	N	
1	4/17/92	3	1		124.7	N	
1	4/17/92	4	1		120.7	N	
1	4/17/92	5	1		116.8	N	
1	4/17/92	6	1		78.4	N	
1	4/25/92	1	1		130.4	Y	J 89052351220
1	4/25/92	2	1		128.1	N	
1	4/25/92	3	1		126.1	N	
1	4/25/92	4	1		122.2	N	
1	4/25/92	5	1		118.2	N	
1	4/25/92	6	1		80	N	
1	4/30/92	1	1		127.7	Y	J 890523512-47
1	4/30/92	2	1		124.1	N	
1	4/30/92	3	1		121.8	N	
1	4/30/92	4	1		118	N	
1	4/30/92	5	1		114.4	N	
1	4/30/92	6	1		75.8	N	
1	5/8/92	1	1		128.6	Y	J 910126143-48
1	5/8/92	2	1		125	N	
1	5/8/92	3	1		122.5	N	
1	5/8/92	4	1		118.8	N	
1	5/8/92	5	1		77.3	N	
1	5/16/92	1	1		131.1	Y	J 910126143-32
1	5/16/92	2	1		127.9	N	
1	5/16/92	3	1		125.8	N	
1	5/16/92	4	1		121.3	N	
1	5/16/92	5	1		117.7	N	
1	5/16/92	6	1		79.5	N	
1	5/24/92	1	1		129.1	Y	J 890523512-47
1	5/24/92	2	1		125.8	N	
1	5/24/92	3	1		123.7	N	
1	5/24/92	4	1		119.6	N	
1	5/24/92	5	1		115.3	N	
1	5/24/92	6	1		78.5	N	
1	5/28/92	1	1		127.6	Y	J 890523512-47
1	5/28/92	2	1		123.7	N	
1	5/28/92	3	1		121.4	N	
1	5/28/92	4	1		117.2	N	
1	5/28/92	5	1		113.3	N	
1	5/28/92	6	1		76.5	N	
1	6/5/92	1	1		127.8	Y	J 910126143-50
1	6/5/92	2	1		125.3	N	
1	6/5/92	3	1		123.2	N	
1	6/5/92	4	1		119.6	N	
1	6/5/92	5	1		115.6	N	
1	6/5/92	6	1		78.3	N	
1	6/13/92	1	1		125.1	Y	J 890523512-47
1	6/13/92	2	1		122	N	
1	6/13/92	3	1		119.4	N	
1	6/13/92	4	1		116.1	N	
1	6/13/92	5	1		111	N	
1	6/13/92	6	1		76.2	N	
1	6/20/92	1	1		129.4	Y	
1	6/20/92	2	1		127.1	N	
1	6/20/92	3	1		124.7	N	
1	6/20/92	4	1		120.7	N	
1	6/20/92	5	1		116.4	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	6/20/92	6	1		81.6	N	
1	6/28/92	1	1		128.7	Y	J TI-042 910126143-66
1	6/28/92	2	1		125.9	N	
1	6/28/92	3	1		123.5	N	
1	6/28/92	4	1		119.8	N	
1	6/28/92	5	1		114.9	N	
1	6/28/92	6	1		81.59	N	
1	7/3/92	1	1		127.7	Y	J TI-041
1	7/3/92	2	1		125.5	N	
1	7/3/92	3	1		123.2	N	
1	7/3/92	4	1		119.7	N	
1	7/3/92	5	1		114.8	N	
1	7/3/92	6	1		80.3	N	
1	7/10/92	1	1		128.5	Y	J 910126143-42
1	7/10/92	2	1		125.4	N	
1	7/10/92	3	1		122.7	N	
1	7/10/92	4	1		118.6	N	
1	7/10/92	5	1		114.7	N	
1	7/10/92	6	1		81	N	
1	7/18/92	1	1		129.4	Y	J 910126143-42
1	7/18/92	2	1		126.7	N	
1	7/18/92	3	1		124.5	N	
1	7/18/92	4	1		120.2	N	
1	7/18/92	5	1		115.9	N	
1	7/18/92	6	1		82.8	N	
1	7/24/92	1	1		128.8	Y	J HH-99A 910126143-29
1	7/24/92	2	1		125.9	N	
1	7/24/92	3	1		123.3	N	
1	7/24/92	4	1		119.8	N	
1	7/24/92	5	1		115.1	N	
1	7/24/92	6	1		82.6	N	
1	8/1/92	1	1		126.1	Y	J TI-041
1	8/1/92	2	1		123.6	N	
1	8/1/92	3	1		122.6	N	
1	8/1/92	4	1		119.8	N	
1	8/1/92	5	1		116	N	
1	8/1/92	6	1		82.8	N	
1	8/7/92	1	1		126.4	Y	J 890423320-42
1	8/7/92	2	1		123.6	N	
1	8/7/92	3	1		121.4	N	
1	8/7/92	4	1		117.5	N	
1	8/7/92	5	1		113.4	N	
1	8/7/92	6	1		82.5	N	
1	8/15/92	1	1		128	Y	J 890423320
1	8/15/92	2	1		125.8	N	
1	8/15/92	3	1		123.4	N	
1	8/15/92	4	1		119.7	N	
1	8/15/92	5	1		115.9	N	
1	8/15/92	6	1		84.7	N	
1	8/21/92	1	1		126.5	Y	J 890423320-42
1	8/21/92	2	1		123.6	N	
1	8/21/92	3	1		121.3	N	
1	8/21/92	4	1		117.2	N	
1	8/21/92	5	1		113.6	N	
1	8/21/92	6	1		83.1	N	
1	8/30/92	1	1		128.1	Y	J 890423320-42
1	8/30/92	2	1		125.7	N	
1	8/30/92	3	1		123.3	N	
1	8/30/92	4	1		119.2	N	
1	8/30/92	5	1		115.2	N	
1	8/30/92	6	1		85.2	N	
1	9/6/92	1	1		127	Y	J 890423320-42
1	9/6/92	2	1		123.7	N	
1	9/6/92	3	1		121.2	N	
1	9/6/92	4	1		118.1	N	
1	9/6/92	5	1		113.5	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	9/6/92	6	1		84.2	N	
1	9/12/92	1	1		127.9	Y	J 890423320-42
1	9/12/92	2	1		124.9	N	
1	9/12/92	3	1		122.5	N	
1	9/12/92	4	1		118.8	N	
1	9/12/92	5	1		115.4	N	
1	9/12/92	6	1		85.6	N	
1	9/20/92	1	1		127.9	Y	J 910126143-64
1	9/20/92	2	1		125	N	
1	9/20/92	3	1		122.4	N	
1	9/20/92	4	1		118.4	N	
1	9/20/92	5	1		114.8	N	
1	9/20/92	6	1		85.3	N	
1	9/26/92	1	1		126.4	Y	J 910126143-64
1	9/26/92	2	1		123.2	N	
1	9/26/92	3	1		120.7	N	
1	9/26/92	4	1		117.7	N	
1	9/26/92	5	1		113.3	N	
1	9/26/92	6	1		83.8	N	
1	10/1/92	1	1		126.1	Y	J 890423320-42
1	10/1/92	2	1		123.4	N	
1	10/1/92	3	1		120.6	N	
1	10/1/92	4	1		117.1	N	
1	10/1/92	5	1		113.9	N	
1	10/1/92	6	1		84.1	N	
1	10/10/92	1	1		127.9	Y	J 910126143-48
1	10/10/92	2	1		124.5	N	
1	10/10/92	3	1		121.9	N	
1	10/10/92	4	1		118.7	N	
1	10/10/92	5	1		114.8	N	
1	10/10/92	6	1		85	N	
1	10/18/92	1	1		128.2	Y	J 910125143-40
1	10/18/92	2	1		124.5	N	
1	10/18/92	3	1		121.9	N	
1	10/18/92	4	1		118.5	N	
1	10/18/92	5	1		114.8	N	
1	10/18/92	6	1		84.9	N	
1	10/24/92	1	1		128.4	Y	J 910126143-66
1	10/24/92	2	1		124.9	N	
1	10/24/92	3	1		122.5	N	
1	10/24/92	4	1		119.4	N	
1	10/24/92	5	1		115.3	N	
1	10/24/92	6	1		85.3	N	
1	10/28/92	1	1		128.6	Y	J 91012614366
1	10/28/92	2	1		125.1	N	
1	10/28/92	3	1		122.8	N	
1	10/28/92	4	1		119.4	N	
1	10/28/92	5	1		115.5	N	
1	10/28/92	6	1		85.3	N	
1	11/1/92	1	1		129.9	Y	TMACS
1	11/1/92	2	1		127.2	N	
1	11/1/92	3	1		125.2	N	
1	11/1/92	4	1		122.3	N	
1	11/1/92	5	1		118.9	N	
1	11/1/92	6	1		89.2	N	
1	11/8/92	1	1		130.1	Y	TMACS
1	11/8/92	2	1		127.4	N	
1	11/8/92	3	1		125	N	
1	11/8/92	4	1		121.8	N	
1	11/8/92	5	1		118.5	N	
1	11/8/92	6	1		88.3	N	
1	11/15/92	1	1		130.8	Y	TMACS
1	11/15/92	2	1		127.2	N	
1	11/15/92	3	1		125.6	N	
1	11/15/92	4	1		122.7	N	
1	11/15/92	5	1		118.5	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/15/92	6	1		88.5	N	
1	11/20/92	1	1		127.3	Y	J 910126143-48
1	11/20/92	2	1		123.6	N	
1	11/20/92	3	1		121.5	N	
1	11/20/92	4	1		118.2	N	
1	11/20/92	5	1		114.2	N	
1	11/20/92	6	1		82.5	N	
1	11/22/92	1	1		130.2	Y	TMACS
1	11/22/92	2	1		127.2	N	
1	11/22/92	3	1		125.2	N	
1	11/22/92	4	1		121.8	N	
1	11/22/92	5	1		119.3	N	
1	11/22/92	6	1		87.9	N	
1	11/29/92	1	1		130.6	Y	TMACS
1	11/29/92	2	1		127.2	N	
1	11/29/92	3	1		125.6	N	
1	11/29/92	4	1		122.9	N	
1	11/29/92	5	1		119.4	N	
1	11/29/92	6	1		85.8	N	
1	12/6/92	1	1		130.1	Y	TMACS
1	12/6/92	2	1		127	N	
1	12/6/92	3	1		125.2	N	
1	12/6/92	4	1		121.8	N	
1	12/6/92	5	1		118.9	N	
1	12/6/92	6	1		86.3	N	
1	12/13/92	1	1		129.9	Y	TMACS
1	12/13/92	2	1		126.8	N	
1	12/13/92	3	1		125	N	
1	12/13/92	4	1		122.5	N	
1	12/13/92	5	1		119.1	N	
1	12/13/92	6	1		85.2	N	
1	12/20/92	1	1		130.6	Y	TMACS
1	12/20/92	2	1		127	N	
1	12/20/92	3	1		125.6	N	
1	12/20/92	4	1		122.5	N	
1	12/20/92	5	1		118.9	N	
1	12/20/92	6	1		84.9	N	
1	12/27/92	1	1		130.4	Y	TMACS
1	12/27/92	2	1		127.2	N	
1	12/27/92	3	1		125.4	N	
1	12/27/92	4	1		122.1	N	
1	12/27/92	5	1		119.4	N	
1	12/27/92	6	1		84.5	N	
1	1/3/93	1	1		131	Y	TMACS
1	1/3/93	2	1		127.7	N	
1	1/3/93	3	1		125.7	N	
1	1/3/93	4	1		123.4	N	
1	1/3/93	5	1		120.2	N	
1	1/3/93	6	1		84	N	
1	1/10/93	1	1		130.4	Y	TMACS
1	1/10/93	2	1		127.2	N	
1	1/10/93	3	1		125.2	N	
1	1/10/93	4	1		122.1	N	
1	1/10/93	5	1		119.1	N	
1	1/10/93	6	1		82.9	N	
1	1/17/93	1	1		130.2	Y	TMACS
1	1/17/93	2	1		127	N	
1	1/17/93	3	1		125.2	N	
1	1/17/93	4	1		122.3	N	
1	1/17/93	5	1		118.9	N	
1	1/17/93	6	1		82.4	N	
1	1/24/93	1	1		130.6	Y	TMACS
1	1/24/93	2	1		127	N	
1	1/24/93	3	1		125.2	N	
1	1/24/93	4	1		122.5	N	
1	1/24/93	5	1		119.1	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/24/93	6	1		80.9	N	
1	1/31/93	1	1		130.46	Y	TMACS
1	1/31/93	2	1		127.04	N	
1	1/31/93	3	1		125.24	N	
1	1/31/93	4	1		122.72	N	
1	1/31/93	5	1		118.94	N	
1	1/31/93	6	1		80.96	N	
1	2/8/93	1	1		130.46	Y	TMACS
1	2/8/93	2	1		127.04	N	
1	2/8/93	3	1		125.24	N	
1	2/8/93	4	1		122	N	
1	2/8/93	5	1		118.94	N	
1	2/8/93	6	1		80.96	N	
1	2/15/93	1	1		130.3	Y	TMACS
1	2/15/93	2	1		127.2	N	
1	2/15/93	3	1		125.6	N	
1	2/15/93	4	1		122.7	N	
1	2/15/93	5	1		118.9	N	
1	2/15/93	6	1		80.6	N	
1	2/21/93	1	1		130.1	Y	TMACS
1	2/21/93	2	1		126.68	N	
1	2/21/93	3	1		125.24	N	
1	2/21/93	4	1		122.04	N	
1	2/21/93	5	1		118.22	N	
1	2/21/93	6	1		79.52	N	
1	3/1/93	1	1		130.28	Y	TMACS
1	3/1/93	2	1		126.68	N	
1	3/1/93	3	1		125.06	N	
1	3/1/93	4	1		121.64	N	
1	3/1/93	5	1		118.76	N	
1	3/1/93	6	1		78.98	N	
1	3/8/93	1	1		130.28	Y	TMACS
1	3/8/93	2	1		127.04	N	
1	3/8/93	3	1		124.88	N	
1	3/8/93	4	1		121.64	N	
1	3/8/93	5	1		119.12	N	
1	3/8/93	6	1		78.98	N	
1	3/15/93	1	1		129.74	Y	TMACS
1	3/15/93	2	1		126.68	N	
1	3/15/93	3	1		125.24	N	
1	3/15/93	4	1		121.64	N	
1	3/15/93	5	1		117.86	N	
1	3/15/93	6	1		78.63	N	
1	3/22/93	1	1		130.46	Y	TMACS
1	3/22/93	2	1		127.04	N	
1	3/22/93	3	1		125.24	N	
1	3/22/93	4	1		122	N	
1	3/22/93	5	1		118.4	N	
1	3/22/93	6	1		78.44	N	
1	3/29/93	1	1		130.1	Y	TMACS
1	3/29/93	2	1		126.68	N	
1	3/29/93	3	1		125.24	N	
1	3/29/93	4	1		121.46	N	
1	3/29/93	5	1		118.4	N	
1	3/29/93	6	1		78.62	N	
1	4/5/93	1	1		129.56	Y	TMACS
1	4/5/93	2	1		126.86	N	
1	4/5/93	3	1		125.06	N	
1	4/5/93	4	1		121.64	N	
1	4/5/93	5	1		118.4	N	
1	4/5/93	6	1		78.62	N	
1	4/12/93	1	1		130.1	N	TMACS
1	4/12/93	2	1		126.86	N	
1	4/12/93	3	1		125.06	N	
1	4/12/93	4	1		121.82	N	
1	4/12/93	5	1		118.04	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	4/12/93	6	1		78.26	N	
1	4/19/93	1	1		130.1	Y	TMACS
1	4/19/93	2	1		126.86	N	
1	4/19/93	3	1		125.42	N	
1	4/19/93	4	1		122	N	
1	4/19/93	5	1		118.4	N	
1	4/19/93	6	1		78.62	N	
1	4/25/93	1	1		130.28	Y	TMACS
1	4/25/93	2	1		127.22	N	
1	4/25/93	3	1		125.06	N	
1	4/25/93	4	1		121.82	N	
1	4/25/93	5	1		118.58	N	
1	4/25/93	6	1		79.34	N	
1	5/3/93	1	1		129.92	Y	TMACS
1	5/3/93	2	1		127.04	N	
1	5/3/93	3	1		125.24	N	
1	5/3/93	4	1		121.82	N	
1	5/3/93	5	1		118.76	N	
1	5/3/93	6	1		79.34	N	
1	5/10/93	1	1		129.38	Y	TMACS
1	5/10/93	2	1		126.68	N	
1	5/10/93	3	1		124.7	N	
1	5/10/93	4	1		122	N	
1	5/10/93	5	1		117.5	N	
1	5/10/93	6	1		79.16	N	
1	5/17/93	1	1		129.2	Y	TMACS
1	5/17/93	2	1		126.14	N	
1	5/17/93	3	1		124.7	N	
1	5/17/93	4	1		121.28	N	
1	5/17/93	5	1		117.32	N	
1	5/17/93	6	1		79.34	N	
1	5/24/93	1	1		129.2	Y	TMACS
1	5/24/93	2	1		126.32	N	
1	5/24/93	3	1		124.52	N	
1	5/24/93	4	1		121.46	N	
1	5/24/93	5	1		117.68	N	
1	5/24/93	6	1		79.88	N	
1	5/31/93	1	1		129.2	Y	TMACS
1	5/31/93	2	1		126.32	N	
1	5/31/93	3	1		124.88	N	
1	5/31/93	4	1		121.82	N	
1	5/31/93	5	1		117.68	N	
1	5/31/93	6	1		80.42	N	
1	6/7/93	1	1		129.56	Y	TMACS
1	6/7/93	2	1		126.86	N	
1	6/7/93	3	1		125.06	N	
1	6/7/93	4	1		122	N	
1	6/7/93	5	1		118.22	N	
1	6/7/93	6	1		81.14	N	
1	6/14/93	1	1		129.2	Y	TMACS
1	6/14/93	2	1		126.32	N	
1	6/14/93	3	1		124.52	N	
1	6/14/93	4	1		121.46	N	
1	6/14/93	5	1		117.32	N	
1	6/14/93	6	1		81.32	N	
1	6/21/93	1	1		129.2	Y	TMACS
1	6/21/93	2	1		126.32	N	
1	6/21/93	3	1		124.88	N	
1	6/21/93	4	1		121.1	N	
1	6/21/93	5	1		117.5	N	
1	6/21/93	6	1		82.04	N	
1	6/28/93	1	1		129.38	Y	TMACS
1	6/28/93	2	1		126.68	N	
1	6/28/93	3	1		124.7	N	
1	6/28/93	4	1		121.28	N	
1	6/28/93	5	1		117.68	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	6/28/93	6	1		82.76	N	
1	7/5/93	1	1		128.84	Y	TMACS
1	7/5/93	2	1		126.5	N	
1	7/5/93	3	1		124.52	N	
1	7/5/93	4	1		120.74	N	
1	7/5/93	5	1		117.14	N	
1	7/5/93	6	1		82.94	N	
1	7/12/93	1	1		129.38	Y	TMACS
1	7/12/93	2	1		126.5	N	
1	7/12/93	3	1		124.34	N	
1	7/12/93	4	1		121.46	N	
1	7/12/93	5	1		117.5	N	
1	7/12/93	6	1		83.48	N	
1	7/19/93	1	1		128.66	Y	TMACS
1	7/19/93	2	1		126.14	N	
1	7/19/93	3	1		124.16	N	
1	7/19/93	4	1		120.74	N	
1	7/19/93	5	1		117.14	N	
1	7/19/93	6	1		83.66	N	
1	7/26/93	1	1		129.02	Y	TMACS
1	7/26/93	2	1		126.32	N	
1	7/26/93	3	1		124.52	N	
1	7/26/93	4	1		121.46	N	
1	7/26/93	5	1		117.5	N	
1	7/26/93	6	1		84.38	N	
1	8/2/93	1	1		128.84	Y	TMACS
1	8/2/93	2	1		126.32	N	
1	8/2/93	3	1		124.52	N	
1	8/2/93	4	1		121.1	N	
1	8/2/93	5	1		116.96	N	
1	8/2/93	6	1		84.92	N	
1	8/9/93	1	1		128.84	Y	TMACS
1	8/9/93	2	1		126.32	N	
1	8/9/93	3	1		124.16	N	
1	8/9/93	4	1		120.74	N	
1	8/9/93	5	1		116.96	N	
1	8/9/93	6	1		85.28	N	
1	8/15/93	1	1		128.84	Y	tmacs
1	8/15/93	2	1		125.96	N	
1	8/15/93	3	1		123.98	N	
1	8/15/93	4	1		121.1	N	
1	8/15/93	5	1		116.96	N	
1	8/15/93	6	1		85.46	N	
1	8/23/93	1	1		129.02	Y	TMACS
1	8/23/93	2	1		126.14	N	
1	8/23/93	3	1		124.16	N	
1	8/23/93	4	1		120.56	N	
1	8/23/93	5	1		117.14	N	
1	8/23/93	6	1		86.18	N	
1	8/26/93	1	1		128.7	Y	J TYPE
1	8/26/93	2	1		126	N	
1	8/26/93	3	1		124.2	N	
1	8/26/93	4	1		121.1	N	
1	8/26/93	5	1		117.3	N	
1	8/26/93	6	1		86	N	
1	8/30/93	1	1		128.84	Y	TMACS
1	8/30/93	2	1		125.96	N	
1	8/30/93	3	1		124.34	N	
1	8/30/93	4	1		120.74	N	
1	8/30/93	5	1		117.32	N	
1	8/30/93	6	1		86.54	N	
1	9/6/93	1	1		128.48	Y	TMACS
1	9/6/93	2	1		125.96	N	
1	9/6/93	3	1		124.16	N	
1	9/6/93	4	1		120.38	N	
1	9/6/93	5	1		117.32	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-106							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	9/6/93	6	1		86.72	N	
1	9/12/93	1	1		128.66	Y	TMACS
1	9/12/93	2	1		126.32	N	
1	9/12/93	3	1		124.16	N	
1	9/12/93	4	1		121.28	N	
1	9/12/93	5	1		117.68	N	
1	9/12/93	6	1		87.26	N	
1	9/19/93	1	1		129.2	Y	TMACS
1	9/19/93	2	1		126.32	N	
1	9/19/93	3	1		124.7	N	
1	9/19/93	4	1		121.1	N	
1	9/19/93	5	1		118.22	N	
1	9/19/93	6	1		87.98	N	
1	9/26/93	1	1		128.84	Y	TMACS
1	9/26/93	2	1		126.32	N	
1	9/26/93	3	1		124.34	N	
1	9/26/93	4	1		121.28	N	
1	9/26/93	5	1		117.86	N	
1	9/26/93	6	1		87.8	N	
1	10/3/93	1	1		128.84	Y	TMACS
1	10/3/93	2	1		125.96	N	
1	10/3/93	3	1		124.52	N	
1	10/3/93	4	1		121.1	N	
1	10/3/93	5	1		117.68	N	
1	10/3/93	6	1		87.8	N	
1	10/10/93	1	1		128.84	Y	TMACS
1	10/10/93	2	1		126.32	N	
1	10/10/93	3	1		124.7	N	
1	10/10/93	4	1		121.28	N	
1	10/10/93	5	1		117.86	N	
1	10/10/93	6	1		88.52	N	
1	10/19/93	1	1		128.8	Y	TMACS
1	10/19/93	2	1		126.3	N	
1	10/19/93	3	1		124.5	N	
1	10/19/93	4	1		121.3	N	
1	10/19/93	5	1		117.9	N	
1	10/19/93	6	1		88.2	N	
1	10/25/93	1	1		128.66	Y	TMACS
1	10/25/93	2	1		125.78	N	
1	10/25/93	3	1		123.98	N	
1	10/25/93	4	1		120.74	N	
1	10/25/93	5	1		117.32	N	
1	10/25/93	6	1		87.44	N	
1	11/1/93	1	1		128.48	Y	TMACS
1	11/1/93	2	1		125.6	N	
1	11/1/93	3	1		123.98	N	
1	11/1/93	4	1		120.74	N	
1	11/1/93	5	1		117.5	N	
1	11/1/93	6	1		87.26	N	
1	11/8/93	1	1		128.66	Y	TMACS
1	11/8/93	2	1		126.14	N	
1	11/8/93	3	1		124.16	N	
1	11/8/93	4	1		120.92	N	
1	11/8/93	5	1		117.86	N	
1	11/8/93	6	1		87.26	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/12/73	1			151		raw data - assumed degree C
1	11/12/73	2			94		raw data - assumed degree C
1	11/12/73	3			166		raw data - assumed degree C
1	11/12/73	4			166		raw data - assumed degree C
1	11/12/73	5			95		raw data - assumed degree C
1	11/12/73	6			158		raw data - assumed degree C
1	11/12/73	7			160		raw data - assumed degree C
1	11/12/73	8			108		raw data - assumed degree C
1	11/12/73	9			108		raw data - assumed degree C
1	11/12/73	10			158		raw data - assumed degree C
1	11/12/73	11			104		raw data - assumed degree C
1	11/12/73	12			124		raw data - assumed degree C
1	11/12/73	13			110		raw data - assumed degree C
1	11/12/73	14			110		raw data - assumed degree C
1	11/21/73	1		58	136.4		raw data - assumed degree C
1	11/21/73	2		34	93.2		raw data - assumed degree C
1	11/21/73	3		69	156.2		raw data - assumed degree C
1	11/21/73	4		57	134.6		raw data - assumed degree C
1	11/21/73	5		30	86		raw data - assumed degree C
1	11/21/73	6		52	125.6		raw data - assumed degree C
1	11/21/73	7		72	161.6		raw data - assumed degree C
1	11/21/73	8		44	111.2		raw data - assumed degree C
1	11/21/73	9		39	102.2		raw data - assumed degree C
1	11/21/73	10		70	158		raw data - assumed degree C
1	11/21/73	11		38	100.4		raw data - assumed degree C
1	11/21/73	12		38	100.4		raw data - assumed degree C
1	12/10/73	2		61	141.8		raw data - assumed degree C
1	12/10/73	3					28 - suspect data (low)
1	12/10/73	4		70	158		raw data - assumed degree C
1	12/10/73	5		72	161.6		raw data - assumed degree C
1	12/10/73	6		72	161.6		raw data - assumed degree C
1	12/10/73	7		72	161.6		raw data - assumed degree C
1	12/10/73	8		72	161.6		raw data - assumed degree C
1	12/10/73	9		44	111.2		raw data - assumed degree C
1	12/10/73	10		44	111.2		raw data - assumed degree C
1	12/10/73	11					70 - suspect data (high)
1	12/10/73	12		38	100.4		raw data - assumed degree C
1	12/10/73	13		36	96.8		raw data - assumed degree C
1	12/10/73	14		36	96.8		raw data - assumed degree C
1	12/17/73	2		66	150.8		raw data - assumed degree C
1	12/17/73	3					36 - suspect data (low)
1	12/17/73	4					34 - suspect data (low)
1	12/17/73	5		74	165.2		raw data - assumed degree C
1	12/17/73	6		40	104		raw data - assumed degree C
1	12/17/73	7					87 - suspect data (high)
1	12/17/73	8		74	165.2		raw data - assumed degree C
1	12/17/73	9		45	113		raw data - assumed degree C
1	12/17/73	10		45	113		raw data - assumed degree C
1	12/17/73	11					74 - suspect data (high)
1	12/17/73	12		42	107.6		raw data - assumed degree C
1	12/17/73	13		41	105.8		raw data - assumed degree C
1	12/17/73	14		41	105.8		raw data - assumed degree C
1	12/20/73	1		62	143.6		raw data - assumed degree C
1	12/20/73	2		42	107.6		raw data - assumed degree C
1	12/20/73	3		76	168.8		raw data - assumed degree C
1	12/20/73	4		76	168.8		raw data - assumed degree C
1	12/20/73	5		46	114.8		raw data - assumed degree C
1	12/20/73	6		60	140		raw data - assumed degree C
1	12/20/73	7		76	168.8		raw data - assumed degree C
1	12/20/73	8		48	118.4		raw data - assumed degree C
1	12/20/73	9		48	118.4		raw data - assumed degree C
1	12/20/73	10		75	167		raw data - assumed degree C
1	12/20/73	11		44	111.2		raw data - assumed degree C
1	12/20/73	12		40	104		raw data - assumed degree C
1	12/20/73	13		41	105.8		raw data - assumed degree C
1	12/20/73	14		41	105.8		raw data - assumed degree C

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/20/73	15		48	118.4		raw data - assumed degree C
1	8/5/74	1	1	31	87.8	N	degree C/TWINS confirm
1	8/5/74	2	1	31	87.8	N	degree C/TWINS confirm
1	8/5/74	3	1	48	118.4	Y	degree C/TWINS confirm
1	8/5/74	4	1	36	96.8	N	degree C/TWINS confirm
1	8/5/74	5	1	32	89.6	N	degree C/TWINS confirm
1	8/5/74	14	1	32	89.6	N	degree C/TWINS confirm
1	9/12/74	1	1	32	89.6	N	degree C/TWINS confirm
1	9/12/74	2	1	32	89.6	N	degree C/TWINS confirm
1	9/12/74	3	1	49	120.2	Y	degree C/TWINS confirm
1	9/12/74	4	1	34	93.2	N	degree C/TWINS confirm
1	9/12/74	5	1	32	89.6	N	degree C/TWINS confirm
1	9/12/74	14	1	31	87.8	N	degree C/TWINS confirm
1	10/8/74	1	1	30	86	N	degree C/TWINS confirm
1	10/8/74	2	1	30	86	N	degree C/TWINS confirm
1	10/8/74	3	1	46	114.8	Y	degree C/TWINS confirm
1	10/8/74	4	1	40	104	N	degree C/TWINS confirm
1	10/8/74	5	1	30	86	N	degree C/TWINS confirm
1	10/8/74	14	1	28	82.4	N	degree C/TWINS confirm
1	10/29/74	1	1	32	89.6	N	degree C/TWINS confirm
1	10/29/74	2	1	32	89.6	N	degree C/TWINS confirm
1	10/29/74	3	1	36	96.8	Y	degree C/TWINS confirm
1	10/29/74	4	1	36	96.8	Y	degree C/TWINS confirm
1	10/29/74	5	1	36	96.8	Y	degree C/TWINS confirm
1	10/29/74	14	1	32	89.6	N	degree C/TWINS confirm
1	11/12/74	1	1	25	77	N	degree C/TWINS confirm
1	11/12/74	2	1	25	77	N	degree C/TWINS confirm
1	11/12/74	3	1	28	82.4	Y	degree C/TWINS confirm
1	11/12/74	4	1	28	82.4	Y	degree C/TWINS confirm
1	11/12/74	5	1	26	78.8	N	degree C/TWINS confirm
1	11/12/74	14	1	25	77	N	degree C/TWINS confirm
1	12/17/74	1	1	22.78	73.004	N	degree C/TWINS confirm
1	12/17/74	2	1	21.67	71.006	N	degree C/TWINS confirm
1	12/17/74	3	1	26.67	80.006	N	degree C/TWINS confirm
1	12/17/74	4	1	28.33	82.994	Y	degree C/TWINS confirm
1	12/17/74	5	1	22.22	71.996	N	degree C/TWINS confirm
1	12/17/74	14	1	22.22	71.996	N	degree C/TWINS confirm
1	12/31/74	1	1	24.44	75.992	N	degree C/TWINS confirm
1	12/31/74	2	1	24.44	75.992	N	degree C/TWINS confirm
1	12/31/74	3	1	28.89	84.002	N	degree C/TWINS confirm
1	12/31/74	4	1	30.56	87.008	Y	degree C/TWINS confirm
1	12/31/74	5	1	25.56	78.008	N	degree C/TWINS confirm
1	12/31/74	12	1	24.44	75.992	N	degree C/TWINS confirm
1	1/8/75	1	1	22.22	71.996	N	degree C/TWINS confirm
1	1/8/75	2	1	22.22	71.996	N	degree C/TWINS confirm
1	1/8/75	3	1	26.67	80.006	N	degree C/TWINS confirm
1	1/8/75	4	1	28.33	82.994	Y	degree C/TWINS confirm
1	1/8/75	5	1	22.22	71.996	N	degree C/TWINS confirm
1	1/8/75	14	1	22.22	71.996	N	degree C/TWINS confirm
1	1/21/75	1	1	23	73.4	N	degree C/TWINS confirm
1	1/21/75	2	1	28	82.4	N	degree C/TWINS confirm
1	1/21/75	3	1	32	89.6	N	degree C/TWINS confirm
1	1/21/75	4	1	39	102.2	Y	degree C/TWINS confirm
1	1/21/75	5	1	24	75.2	N	degree C/TWINS confirm
1	1/21/75	14	1	21	69.8	N	degree C/TWINS confirm
1	1/28/75	1	1	20	68	N	degree C/TWINS confirm
1	1/28/75	2	1	21	69.8	N	degree C/TWINS confirm
1	1/28/75	3	1	25	77	N	degree C/TWINS confirm
1	1/28/75	4	1	28	82.4	Y	degree C/TWINS confirm
1	1/28/75	5	1	21	69.8	N	degree C/TWINS confirm
1	1/28/75	14	1	21	69.8	N	degree C/TWINS confirm
1	2/7/75	1	1	26.67	80.006	N	degree C/TWINS confirm
1	2/7/75	2	1	26.67	80.006	N	degree C/TWINS confirm
1	2/7/75	4	1	27.22	80.996	Y	degree C/TWINS confirm
1	2/7/75	5	1	27.22	80.996	Y	degree C/TWINS confirm
1	2/7/75	12	1	26.11	78.998	N	degree C/TWINS confirm

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	2/27/75	1	1	22	71.6	Y	degree C/TWINS confirm
1	2/27/75	2	1	22	71.6	Y	degree C/TWINS confirm
1	2/27/75	3	1	22	71.6	Y	degree C/TWINS confirm
1	2/27/75	4	1	22	71.6	Y	degree C/TWINS confirm
1	2/27/75	5	1	22	71.6	Y	degree C/TWINS confirm
1	2/27/75	14	1	20	68	N	degree C/TWINS confirm
1	3/18/75	1	1	22	71.6	Y	degree C/TWINS confirm
1	3/18/75	2	1	22	71.6	Y	degree C/TWINS confirm
1	3/18/75	3	1	22	71.6	Y	degree C/TWINS confirm
1	3/18/75	4	1	22	71.6	Y	degree C/TWINS confirm
1	3/18/75	5	1	22	71.6	Y	degree C/TWINS confirm
1	3/18/75	14	1	22	71.6	Y	degree C/TWINS confirm
1	4/8/75	1	1	17	62.6	N	degree C/TWINS confirm
1	4/8/75	2	1	17	62.6	N	degree C/TWINS confirm
1	4/8/75	3	1	18	64.4	N	degree C/TWINS confirm
1	4/8/75	4	1	18	64.4	N	degree C/TWINS confirm
1	4/8/75	5	1	18	64.4	N	degree C/TWINS confirm
1	4/8/75	14	1	19	66.2	Y	degree C/TWINS confirm
1	4/22/75	1	1	18	64.4	N	degree C/TWINS confirm
1	4/22/75	3	1	12	53.6	N	degree C/TWINS confirm
1	4/22/75	5	1	18	64.4	N	degree C/TWINS confirm
1	4/22/75	14	1	18	64.4	N	degree C/TWINS confirm
1	4/29/75	1	1	16	60.8	N	degree C/TWINS confirm
1	4/29/75	2	1	18	64.4	N	degree C/TWINS confirm
1	4/29/75	3	1	22	71.6	N	degree C/TWINS confirm
1	4/29/75	4	1	20	68	N	degree C/TWINS confirm
1	4/29/75	5	1	16	60.8	N	degree C/TWINS confirm
1	4/29/75	14	1	18	64.4	N	degree C/TWINS confirm
1	5/7/75	1	1		68	N	
1	5/7/75	2	1		70	N	
1	5/7/75	3	1		71	N	
1	5/7/75	4	1		73	Y	
1	5/7/75	5	1		68	N	
1	5/7/75	14	1		69	N	
1	5/20/75	1	1	20	68	N	degree C/TWINS confirm
1	5/20/75	2	1	20	68	N	degree C/TWINS confirm
1	5/20/75	3	1	24	75.2	Y	degree C/TWINS confirm
1	5/20/75	4	1	24	75.2	Y	degree C/TWINS confirm
1	5/20/75	5	1	21	69.8	N	degree C/TWINS confirm
1	5/20/75	14	1	20	68	N	degree C/TWINS confirm
1	6/17/75	1	1		79	N	
1	6/17/75	2	1		79	N	
1	6/17/75	3	1		83	N	
1	6/17/75	4	1		85	Y	
1	6/17/75	5	1		79	N	
1	6/17/75	14	1		79	N	
1	7/28/75	1	1		90	N	
1	7/28/75	2	1		90	N	
1	7/28/75	3	1		93	Y	
1	7/28/75	4	1		91	N	
1	7/28/75	5	1		90	N	
1	7/28/75	14	1		91	N	
1	8/26/75	1	1		84	N	
1	8/26/75	2	1		85	N	
1	8/26/75	3	1		89	N	
1	8/26/75	4	1		90	N	
1	8/26/75	5	1		91	N	
1	8/26/75	12	1		88	N	
1	11/21/75	1	1		85	N	
1	11/21/75	2	1		86	N	
1	11/21/75	3	1		91	N	
1	11/21/75	4	1		93	N	
1	11/21/75	5	1		85	N	
1	11/21/75	14	1		85	N	
1	3/4/76	3	1		68	N	
1	3/4/76	4	1		67	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/4/76	5	1		71	N	
1	3/4/76	14	1		67	N	
1	6/9/76	1	1		72	N	
1	6/9/76	2	1		72	N	
1	6/9/76	3	1		74	N	
1	6/9/76	4	1		76	N	
1	6/9/76	5	1		71	N	
1	6/9/76	14	1		73	N	
1	7/7/76	1	1		74	N	
1	7/7/76	2	1		75	N	
1	7/7/76	3	1		76	N	
1	7/7/76	4	1		78	N	
1	7/7/76	5	1		73	N	
1	7/7/76	12	1		77	N	
1	8/14/76	1	1		72	N	
1	8/14/76	2	1		77	Y	
1	8/14/76	3	1		74	N	
1	8/14/76	4	1		74	N	
1	8/14/76	5	1		75	N	
1	8/14/76	12	1		71	N	
1	8/18/76	1	1		74	N	
1	8/18/76	2	1		75	N	
1	8/18/76	3	1		77	N	
1	8/18/76	4	1		78	N	
1	8/18/76	5	1		74	N	
1	8/18/76	12	1		77	N	
1	9/13/76	1	1		78	N	
1	9/13/76	2	1		80	N	
1	9/13/76	3	1		82	N	
1	9/13/76	4	1		77	N	
1	9/13/76	5	1		96	Y	
1	9/13/76	10	1		79	N	
1	11/7/76	1	1		78	N	
1	11/7/76	2	1		79	N	
1	11/7/76	3	1		74	N	
1	11/7/76	4	1		86	Y	
1	11/7/76	5	1		85	N	
1	11/7/76	10	1		75	N	
1	12/9/76	1	1		78	N	
1	12/9/76	2	1		78	N	
1	12/9/76	3	1		81	N	
1	12/9/76	4	1		83	N	
1	12/9/76	5	1		78	N	
1	12/9/76	12	1		79	N	
1	1/3/77	1	1		70	N	
1	1/3/77	2	1		70	N	
1	1/3/77	3	1		74	N	
1	1/3/77	4	1		76	N	
1	1/3/77	5	1		69	N	
1	1/3/77	6	1		96	Y	
1	1/3/77	14	1		70	N	
1	2/26/77	1	1		60	N	
1	2/26/77	2	1		59	N	
1	2/26/77	3	1		62	N	
1	2/26/77	4	1		64	N	
1	2/26/77	5	1		58	N	
1	2/26/77	14	1		58	N	
1	3/28/77	1	1		59	N	
1	3/28/77	2	1		59	N	
1	3/28/77	3	1		63	N	
1	3/28/77	4	1		64	N	
1	3/28/77	5	1		59	N	
1	3/28/77	14	1		60	N	
1	4/27/77	1	1		65	N	
1	4/27/77	2	1		66	N	
1	4/27/77	3	1		62	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	4/27/77	4	1		74	Y	
1	4/27/77	5	1		69	N	
1	4/27/77	10	1		66	N	
1	6/30/77	2	1		78	N	
1	6/30/77	3	1		78	N	
1	6/30/77	4	1		80	N	
1	6/30/77	5	1		80	N	
1	6/30/77	14	1		77	N	
1	8/15/77	1	1		71	N	
1	8/15/77	2	1		73	N	
1	8/15/77	3	1		73	N	
1	8/15/77	4	1		71	N	
1	8/15/77	5	1		79	Y	
1	8/15/77	14	1		71	N	
1	9/12/77	1	1		61	Y	
1	9/12/77	2	1		60	N	
1	9/12/77	3	1		59	N	
1	9/12/77	4	1		59	N	
1	9/12/77	5	1		60	N	
1	9/12/77	8	1		60	N	
1	10/7/77	3	1		71	N	
1	10/7/77	4	1		70	N	
1	10/7/77	5	1		73	N	
1	10/7/77	12	1		70	N	
1	10/7/78	3	1		90	Y	
1	10/7/78	4	1		87	N	
1	10/7/78	5	1		88	N	
1	10/7/78	6	1		84	N	
1	10/7/78	14	1		84	N	
1	1/3/79	1	1		77	Y	
1	1/3/79	2	1		77	Y	
1	1/3/79	5	1		77	Y	
1	1/3/79	6	1		68	N	
1	1/3/79	12	1		77	Y	
1	4/22/79	2	1		75	N	
1	4/22/79	3	1		75	N	
1	4/22/79	4	1		77	N	
1	4/22/79	5	1		78	Y	
1	4/22/79	12	1		75	N	
1	11/2/89	1	1		86.1	Y	
1	11/2/89	2	1		73.5	N	
1	11/2/89	3	1		76.3	N	
1	11/2/89	4	1		72.3	N	
1	11/2/89	5	1		73.2	N	
1	11/2/89	6	1		49.7	N	
1	11/2/89	8	1		85.7	N	
1	11/2/89	9	1		83.5	N	
1	11/2/89	10	1		73.3	N	
1	11/2/89	11	1		86.1	N	
1	11/2/89	12	1		86.1	N	
1	11/2/89	14	1		81.7	N	
1	11/4/89	1	1		79.1	Y	
1	11/4/89	2	1		68.5	N	
1	11/4/89	3	1		70.8	N	
1	11/4/89	4	1		69.3	N	
1	11/4/89	5	1		67.2	N	
1	11/4/89	6	1		47.4	N	
1	11/4/89	8	1		76.1	N	
1	11/4/89	9	1		74.6	N	
1	11/4/89	10	1		62.8	N	
1	11/4/89	11	1		76.7	N	
1	11/10/89	1	1			N	TC wires not yet in place in LOW's
1	11/17/89	1	1		96.8	Y	Moisture found in LOW
1	11/18/89	1	1		85.4	Y	
1	11/18/89	2	1		49.6	N	
1	11/18/89	3	1		59.3	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/18/89	5	1		59.7	N	
1	11/18/89	6	1		70.5	N	
1	11/18/89	8	1		71.6	N	
1	11/18/89	10	1		57.5	N	
1	11/18/89	11	1		73.7	N	Tests taken on 107-BY with J
1	11/25/89	1	1		85.2	Y	suspect 6/28/94 ej
2	11/25/89	1	1		97.4	N	LOW K
1	11/25/89	2	1		34.8	N	
1	11/25/89	3	1		72.4	N	
1	11/25/89	5	1		55.8	N	
1	11/25/89	6	1		52.1	N	
1	11/25/89	8	1		65.8	N	
1	11/25/89	9	1			N	22.1 - suspect data (low)
1	11/25/89	10	1			N	19.3 - suspect data (low)
1	11/25/89	11	1		68.6	N	
2	12/1/89	1	1		97.8	Y	LOW
2	12/10/89	1	1		98	Y	LOW
1	12/15/89	1	1		81.8	Y	K
1	12/15/89	1	2		85.4	Y	LOW
1	12/15/89	2	1		55.4	N	
1	12/15/89	3	1		68.6	N	
1	12/15/89	5	1		59.7	N	
1	12/15/89	6	1			N	31.9 - suspect data (low)
1	12/15/89	8	1		70.8	N	
1	12/15/89	11	1		75.4	N	
1	12/23/89	1	1		83	Y	
1	12/23/89	2	1		57	N	
1	12/23/89	3	1		70	N	
1	12/23/89	5	1		59	N	
1	12/23/89	6	1		36	N	
1	12/23/89	7	1		40	N	
1	12/23/89	8	1		71	N	
1	12/23/89	9	1		37	N	
1	12/23/89	11	1		76	N	
1	12/29/89	1	2		78	Y	J-890523512-209-20
2	12/29/89	1	1		73.5	Y	LOW-K-890723679-20
1	12/29/89	3	2		66	N	
1	12/29/89	5	2		67.1	N	
1	12/29/89	8	2		67.1	N	
1	12/29/89	11	2		72.1	N	
1	1/6/90	1	1		97.5	Y	LOW
1	1/13/90	1	1		77.9	Y	
1	1/13/90	2	1		37.7	N	
1	1/13/90	3	1		66.2	N	
1	1/13/90	4	1			N	26.8 - suspect data (low)
1	1/13/90	5	1		56.2	N	
1	1/13/90	6	1		35.9	N	
1	1/13/90	8	1		68.8	N	
1	1/13/90	9	1		42.7	N	
1	1/13/90	10	1			N	15.4 - suspect data (low)
1	1/13/90	11	1		73.1	N	J
1	1/19/90	1	1		71.9	Y	
1	1/19/90	2	1		42.3	N	
1	1/19/90	3	1		61.8	N	
1	1/19/90	4	1			N	31.3 - suspect data (low)
1	1/19/90	5	1		53	N	
1	1/19/90	6	1		37.3	N	
1	1/19/90	8	1		63	N	
1	1/19/90	9	1		45.4	N	
1	1/19/90	10	1			N	18.2 - suspect data (low)
1	1/19/90	11	1		68	N	E
2	1/27/90	1	1		96.9	Y	LOW - K
1	2/3/90	1	1		96.5	Y	LOW K-890723579-20
2	2/3/90	1	1		96.5	Y	LOW K-890723579-20
2	2/5/90	1	1		95.9	Y	LOW J-2E-OP-021
1	2/11/90	1	1		79.9	Y	J-2E-OP-021

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	2/11/90	2	1		47.2	N	
1	2/11/90	3	1		67.8	N	
1	2/11/90	4	1		38	N	
1	2/11/90	5	1		57	N	
1	2/11/90	6	1		38.2	N	
1	2/11/90	8	1		68	N	
1	2/11/90	9	1		51	N	
1	2/11/90	10	1			N	23.4 - suspect data (low)
1	2/11/90	11	1		74.4	N	
2	3/2/90	1	1		98.5	Y	K-HH-99A-K
1	4/8/90	1	1		79	Y	K-890723679-20
1	4/8/90	2	1		57	N	
1	4/8/90	3	1		68	N	
1	4/8/90	4	1		54	N	
1	4/8/90	5	1		65	N	
1	4/8/90	6	1		53	N	
1	4/8/90	8	1		70	N	
1	4/8/90	9	1		55	N	
1	4/8/90	10	1		39	N	
1	4/8/90	11	1		74	N	
1	5/5/90	1	1			N	No Data. Discrepancy Report written-#252
1	5/30/90	1	1		79.6	Y	J-2E-OP-020
1	5/30/90	2	1		65.5	N	
1	5/30/90	3	1		72.3	N	
1	5/30/90	4	1		59.4	N	
1	5/30/90	5	1		71.5	N	
1	5/30/90	6	1		56.5	N	
1	5/30/90	8	1		73	N	
1	5/30/90	9	1		61.3	N	
1	5/30/90	10	1		47	N	
1	5/30/90	11	1		76.5	N	
1	6/1/90	1	1		80.4	Y	
1	6/1/90	2	1		62.9	N	
1	6/1/90	3	1		71.4	N	
1	6/1/90	4	1		55	N	
1	6/1/90	5	1		70.8	N	
1	6/1/90	6	1		49.3	N	
1	6/1/90	8	1		72.1	N	
1	6/1/90	9	1		57.2	N	
1	6/1/90	11	1		76.7	N	
1	7/8/90	1	1		82.5	Y	HH-99A-K
1	7/8/90	2	1		65.9	N	
1	7/8/90	3	1		73.7	N	
1	7/8/90	4	1		60.9	N	
1	7/8/90	5	1		73.5	N	
1	7/8/90	6	1		57.4	N	
1	7/8/90	8	1		74.3	N	
1	7/8/90	9	1		60.6	N	
1	7/8/90	10	1		41.9	N	
1	7/8/90	11	1		79.2	N	
1	8/5/90	1	1		81.4	Y	J
2	8/5/90	1	1		83.1	Y	LOW
1	8/5/90	2	1		68	N	
1	8/5/90	3	1		76.7	N	
1	8/5/90	4	1		64	N	
1	8/5/90	5	1		74.8	N	
1	8/5/90	6	1		67	N	
1	8/5/90	7	1		51	N	
1	8/5/90	8	1		75.3	N	
1	8/5/90	9	1		65	N	
1	8/5/90	10	1		55.6	N	
1	8/5/90	11	1		78.9	N	
1	9/11/90	1	1		77	Y	J
2	9/11/90	1	1		83	Y	LOW
1	9/11/90	2	1		65	N	
1	9/11/90	3	1		74	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	9/11/90	4	1		63	N	
1	9/11/90	5	1		72	N	
1	9/11/90	6	1		62	N	
1	9/11/90	7	1		58	N	
1	9/11/90	8	1		76	N	
1	9/11/90	9	1		69	N	
1	9/11/90	10	1		60	N	
1	9/11/90	11	1		71	N	
1	10/9/90	1	1		79	Y	J
1	10/9/90	2	1		79	N	
1	10/9/90	3	1		79	N	
1	10/9/90	4	1		79	N	
1	10/9/90	5	1		79	N	
1	10/9/90	6	1		79	N	
1	10/9/90	7	1		79	N	
1	10/9/90	8	1		79	N	
1	10/9/90	9	1		79	N	
1	10/9/90	10	1		79	N	
1	10/9/90	11	1		79	N	
1	10/9/90	12	1		79	N	
1	10/22/90	2	1		83	Y	J 890723678-75 Reading on TC #2 only. J-1 written
1	10/26/90	1	1		83.9	Y	J-890523512-20 J-1 written
1	10/26/90	2	1		75.9	N	
1	10/30/90	1	1		85.1	Y	J 890523512-20
1	10/30/90	1	2		88.1	Y	K 890723679-64 LOW
1	10/30/90	2	1		73.9	N	
1	10/30/90	3	1		81.5	N	
1	10/30/90	4	1		75.3	N	
1	10/30/90	5	1		79.4	N	
1	10/30/90	6	1		67.4	N	
1	10/30/90	8	1		80.4	N	
1	10/30/90	9	1		73.7	N	
1	10/30/90	10	1		66.2	N	
1	10/30/90	11	1		82.7	N	
1	11/5/90	1	1		76	Y	J 890523512-20
1	11/12/90	1	1		78.1	Y	2E-OP-021
1	11/12/90	1	2		92.8	Y	K 890723679 LOW
1	11/12/90	2	1		67.9	N	
1	11/12/90	3	1		74.3	N	
1	11/12/90	4	1		67.9	N	
1	11/12/90	5	1		72.2	N	
1	11/12/90	6	1		61.7	N	
1	11/12/90	8	1		74.7	N	TC #7, #11, #12 O/S
1	11/12/90	9	1		71.2	N	
1	11/12/90	10	1		61.3	N	
1	11/18/90	1	1		85.3	Y	J 890523512-20
1	11/18/90	1	2		92.6	Y	K 890723697-74 LOW
1	11/18/90	2	1		74.7	N	
1	11/18/90	3	1		80.7	N	
1	11/18/90	4	1		74.8	N	
1	11/18/90	5	1		78.4	N	
1	11/18/90	6	1		68.2	N	
1	11/18/90	8	1		79.5	N	
1	11/18/90	9	1		76	N	
1	11/18/90	10	1		66.5	N	
1	11/18/90	11	1		81.6	N	
1	11/25/90	1	1		92.2	Y	K-890723679-64 LOW
1	12/5/90	1	1		97.8	Y	K 890723679-64 LOW
1	12/10/90	1	1		97.4	Y	K 890723679-64
1	12/11/90	1	1		82	Y	J 890423320-11
1	12/11/90	1	2		97.4	Y	K 890723679-64
1	12/11/90	2	1		68.9	N	
1	12/11/90	3	1		77	N	
1	12/11/90	4	1		71	N	
1	12/11/90	5	1		75.5	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/11/90	6	1		65.7	N	
1	12/11/90	8	1		75.6	N	
1	12/11/90	9	1		70.6	N	
1	12/11/90	10	1		64.1	N	
1	12/11/90	11	1		79.1	N	
1	12/15/90	1	1		82.1	Y	HH-9A-J
1	12/15/90	1	2		98.8	Y	K LOW
1	12/15/90	2	1		72.5	N	
1	12/15/90	3	1		77.6	N	
1	12/15/90	4	1		72	N	
1	12/15/90	5	1		75.8	N	
1	12/15/90	6	1		67.7	N	
1	12/15/90	8	1		78.7	N	
1	12/15/90	9	1		75.9	N	
1	12/15/90	10	1		68	N	
1	12/15/90	11	1		80.7	N	
1	12/15/90	15	1		76.7	N	
1	12/22/90	1	1		83	Y	J 890423320-11
1	12/22/90	1	2		78	Y	K 890723679-64 LOW
1	12/22/90	2	1		73	N	
1	12/22/90	3	1		79	N	
1	12/22/90	4	1		74	N	
1	12/22/90	5	1		76	N	
1	12/22/90	6	1		68	N	
1	12/22/90	8	1		79	N	
1	12/22/90	9	1		77	N	
1	12/22/90	10	1		68	N	
1	12/22/90	11	1		80	N	
1	12/30/90	1	1		82.8	Y	J 2E-OP-021
1	12/30/90	1	2		86.2	N	K Low
1	12/30/90	2	1		73.2	N	
1	12/30/90	2	2		86.4	Y	
1	12/30/90	3	1		78.3	N	
1	12/30/90	3	2		85.6	N	
1	12/30/90	4	1		73.6	N	
1	12/30/90	4	2		83.7	N	
1	12/30/90	5	1		76.6	N	
1	12/30/90	5	2		82.4	N	
1	12/30/90	6	1		68.3	N	
1	12/30/90	6	2		79.9	N	
1	12/30/90	8	1		78.4	N	
1	12/30/90	9	1		75.6	N	
1	12/30/90	10	1		67.8	N	
1	12/30/90	11	1		79.7	N	
1	1/6/91	1	1		77.4	Y	K
1	1/13/91	1	1		78.3	Y	K 890723679-64
1	1/19/91	1	1		69.6	N	J HH99A-J
1	1/19/91	2	1		69.6	N	
1	1/19/91	3	1		69.6	N	
1	1/19/91	4	1		69.6	N	
1	1/19/91	5	1		69.5	N	
1	1/19/91	6	1		69.6	N	
1	1/19/91	7	1		69.6	N	
1	1/19/91	8	1		69.6	N	
1	1/19/91	9	1		69.6	N	
1	1/19/91	10	1		69.6	N	
1	1/19/91	11	1		69.7	Y	
1	1/19/91	12	1		69.7	N	
1	1/29/91	1	1		78.8	Y	J HH-99A
1	1/29/91	2	1		69.8	N	
1	1/29/91	3	1		74.4	N	
1	1/29/91	4	1		69.3	N	
1	1/29/91	5	1		73.5	N	
1	1/29/91	6	1		64.6	N	
1	1/29/91	7	1		71.9	N	
1	1/29/91	8	1		74.8	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/29/91	9	1		72	N	
1	1/29/91	10	1		65	N	
1	1/29/91	11	1		72.6	N	
1	2/3/91	1	1		76	Y	J Ser#890523512-47
1	2/3/91	2	1		67	N	
1	2/3/91	3	1		72	N	
1	2/3/91	4	1		67	N	
1	2/3/91	5	1		71	N	
1	2/3/91	6	1		62	N	
1	2/3/91	8	1		72	N	
1	2/3/91	9	1		69	N	
1	2/3/91	10	1		62	N	
1	2/3/91	11	1		73	N	
1	2/9/91	1	1		77.5	Y	J 890523512-47
1	2/9/91	2	1		68	N	
1	2/9/91	3	1		73.2	N	
1	2/9/91	4	1		72.3	N	
1	2/9/91	5	1		64	N	
1	2/9/91	6	1		63.5	N	
1	2/9/91	7	1		73.5	N	
1	2/9/91	8	1		71.2	N	
1	2/9/91	9	1		64.2	N	
1	2/9/91	10	1		75	N	
1	2/9/91	11	1		75.1	N	
1	2/16/91	1	1		75.2	Y	J 890513512-47 TC's 7,11 O/S
1	2/16/91	2	1		66.5	N	
1	2/16/91	3	1		71.1	N	
1	2/16/91	4	1		66.8	N	
1	2/16/91	5	1		71.6	N	
1	2/16/91	6	1		62.3	N	
1	2/16/91	8	1		72	N	
1	2/16/91	9	1		69.5	N	
1	2/16/91	10	1		73.1	N	
1	2/23/91	1	1		74.8	Y	J 890523512-47 TC's #7, 12 O/S
1	2/23/91	2	1		66.1	N	
1	2/23/91	3	1		70.6	N	
1	2/23/91	4	1		66.5	N	
1	2/23/91	5	1		70.1	N	
1	2/23/91	6	1		62.3	N	
1	2/23/91	8	1		71.8	N	
1	2/23/91	9	1		69.2	N	
1	2/23/91	10	1		62.3	N	
1	2/23/91	11	1		72.8	N	
1	3/3/91	1	1		74	Y	890523512-47
1	3/3/91	2	1		62.5	N	
1	3/3/91	3	1		69.3	N	
1	3/3/91	4	1		65.3	N	
1	3/3/91	5	1		68.8	N	
1	3/3/91	6	1		60.3	N	
1	3/3/91	8	1		68.5	N	
1	3/3/91	9	1		64	N	
1	3/3/91	10	1		59.2	N	
1	3/3/91	11	1		70.7	N	
1	3/9/91	1	1		79.5	Y	2E-OP-020
1	3/9/91	2	1		71.1	N	
1	3/9/91	3	1		75.3	N	
1	3/9/91	4	1		71	N	
1	3/9/91	5	1		74.5	N	
1	3/9/91	6	1		66.6	N	
1	3/17/91	1	1		77.4	Y	J 2E-OP-021 TC #7 Bad Data
1	3/17/91	2	1		67.7	N	
1	3/17/91	3	1		73.2	N	
1	3/17/91	4	1		69.1	N	
1	3/17/91	5	1		72.4	N	
1	3/17/91	6	1		64.5	N	
1	3/17/91	8	1		73.8	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/17/91	9	1		71.6	N	
1	3/17/91	10	1		64.3	N	
1	3/17/91	11	1		74.7	N	
1	3/27/91	1	1		66	N	J 890523512-20 Rechecked
1	3/27/91	1	2		77.3	Y	J 890523512-20 Set #2
1	3/27/91	2	1		73.1	Y	
1	3/27/91	2	2		68.1	N	
1	3/27/91	3	2		73.1	N	
1	3/27/91	4	2		68.6	N	
1	3/27/91	5	2		72	N	
1	3/27/91	6	2		63.7	N	
1	3/27/91	7	2		30.1	N	
1	3/27/91	8	2		73.4	N	
1	3/27/91	9	2		70.8	N	
1	3/27/91	10	2		63.8	N	
1	3/27/91	11	2		74.9	N	
1	3/30/91	1	1		65.5	N	J 890523512-20 Lower
1	3/30/91	1	2		77.3	Y	J 890523512-20 Set #2 Upper
1	3/30/91	2	1		72.7	Y	
1	3/30/91	2	2		68	N	
1	3/30/91	3	2		72.6	N	
1	3/30/91	4	2		68.3	N	
1	3/30/91	5	2		71.5	N	
1	3/30/91	6	2		63.1	N	
1	3/30/91	8	2		72.8	N	
1	3/30/91	9	2		70.3	N	
1	3/30/91	10	2		69.7	N	
1	3/30/91	11	2		74.2	N	
1	4/7/91	1	1		78.1	Y	J 890423320-11
1	4/7/91	2	1		70	N	
1	4/7/91	3	1		73.9	N	
1	4/7/91	4	1		70.3	N	
1	4/7/91	5	1		73.4	N	
1	4/7/91	6	1		65.6	N	
1	4/7/91	8	1		75	N	
1	4/7/91	9	1		72.8	N	
1	4/7/91	10	1		65.4	N	
1	4/7/91	11	1		76.2	N	
1	4/14/91	1	1		78.3	Y	J 890523512-20 Omega
1	4/14/91	2	1		70	N	
1	4/14/91	3	1		73.8	N	
1	4/14/91	4	1		70.4	N	
1	4/14/91	5	1		73.2	N	
1	4/14/91	6	1		65.5	N	
1	4/14/91	8	1		74.2	N	
1	4/14/91	9	1		71.8	N	
1	4/14/91	10	1		64.6	N	
1	4/14/91	11	1		75.4	N	
1	4/20/91	1	1		77.5	Y	J 890523512-20
1	4/20/91	2	1		69.4	N	
1	4/20/91	3	1		73.1	N	
1	4/20/91	4	1		69.5	N	
1	4/20/91	5	1		72.6	N	
1	4/20/91	6	1		65.2	N	
1	4/20/91	8	1		74.1	N	
1	4/20/91	9	1		71.9	N	
1	4/20/91	10	1		64.9	N	
1	4/20/91	11	1		75.4	N	
1	4/28/91	1	1		77.8	Y	J Omega 890523512-20
1	4/28/91	2	1		69.6	N	
1	4/28/91	3	1		73.5	N	
1	4/28/91	4	1		70.2	N	
1	4/28/91	5	1		72.9	N	
1	4/28/91	6	1		65.6	N	
1	4/28/91	7	1		35.6	N	
1	4/28/91	8	1		74	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	4/28/91	9	1		72	N	
1	4/28/91	10	1		65	N	
1	4/28/91	11	1		75.2	N	
1	5/5/91	1	1		77.9	Y	J 890523512-20
1	5/5/91	2	1		66.9	N	
1	5/5/91	3	1		73.5	N	
1	5/5/91	4	1		70.8	N	
1	5/5/91	5	1		72.9	N	
1	5/5/91	6	1		65.4	N	
1	5/5/91	8	1		73.8	N	
1	5/5/91	9	1		71.6	N	
1	5/5/91	10	1		65	N	
1	5/5/91	11	1		74.8	N	
1	5/12/91	1	1		77.8	Y	J 890523512-20
1	5/12/91	2	1		69.8	N	
1	5/12/91	3	1		73.6	N	
1	5/12/91	4	1		70.5	N	
1	5/12/91	5	1		72.9	N	
1	5/12/91	6	1		65.7	N	
1	5/12/91	7	1		34.3	N	
1	5/12/91	8	1		73.8	N	
1	5/12/91	9	1		71.6	N	
1	5/12/91	10	1		65.2	N	
1	5/12/91	11	1		74.8	N	
1	5/18/91	1	1		79.6	Y	J Keithley 872 2E-OP-020
1	5/18/91	2	1		71.7	N	
1	5/18/91	3	1		71.5	N	
1	5/18/91	4	1		72.2	N	
1	5/18/91	5	1		74.7	N	
1	5/18/91	6	1		67.7	N	
1	5/18/91	7	1		34.8	N	
1	5/18/91	8	1		75.6	N	
1	5/18/91	9	1		73.4	N	
1	5/18/91	10	1		66.5	N	
1	5/18/91	11	1		76.5	N	
1	5/25/91	1	1		77.3	Y	J 2E-OP-021
1	5/25/91	2	1		66.7	N	
1	5/25/91	3	1		67.1	N	
1	5/25/91	4	1		67	N	
1	5/25/91	5	1		67.1	N	
1	5/25/91	6	1		67	N	
1	5/25/91	7	1		67.5	N	
1	5/25/91	8	1		67.4	N	
1	5/25/91	9	1		67.2	N	
1	5/25/91	10	1		67	N	
1	5/25/91	11	1		67	N	
1	5/25/91	12	1		67	N	
1	6/2/91	1	1		77.6	Y	J 890423320-42
1	6/2/91	2	1		70.1	N	
1	6/2/91	3	1		73.6	N	
1	6/2/91	4	1		70.8	N	
1	6/2/91	5	1		73	N	
1	6/2/91	6	1		66.6	N	
1	6/2/91	7	1		36.5	N	
1	6/2/91	8	1		73.7	N	
1	6/2/91	9	1		71.8	N	
1	6/2/91	10	1		65.1	N	
1	6/2/91	11	1		75.3	N	
1	6/9/91	1	1		77.4	Y	J 890523512-20
1	6/9/91	2	1		72	N	
1	6/9/91	3	1		73.4	N	
1	6/9/91	4	1		76	N	
1	6/9/91	5	1		72.5	N	
1	6/9/91	6	1		66.1	N	
1	6/9/91	7	1		36.2	N	
1	6/9/91	8	1		73.5	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	6/9/91	9	1		71.5	N	
1	6/9/91	10	1		64.9	N	
1	6/9/91	11	1		74.9	N	
1	6/15/91	1	1		79.4	Y	J 2E-OP-021 TC#7 Bad data
1	6/15/91	2	1		72.1	N	
1	6/15/91	3	1		75.5	N	
1	6/15/91	4	1		72.5	N	
1	6/15/91	5	1		74.8	N	
1	6/15/91	6	1		68.3	N	
1	6/15/91	8	1		75.6	N	
1	6/15/91	9	1		73.6	N	
1	6/15/91	10	1		66.8	N	
1	6/15/91	11	1		76.6	N	
1	6/23/91	1	1		79	Y	J 2E-OP-021
1	6/23/91	2	1		71	N	
1	6/23/91	3	1		75	N	
1	6/23/91	4	1		72	N	
1	6/23/91	5	1		74	N	
1	6/23/91	6	1		68	N	
1	6/23/91	8	1		75	N	
1	6/23/91	9	1		73	N	
1	6/23/91	10	1		66	N	
1	6/23/91	11	1		76	N	
1	6/29/91	1	1		68.1	N	J 890423320-42 TC#3,7,12NG
1	6/29/91	2	1		75.3	Y	
1	6/29/91	4	1		72.4	N	
1	6/29/91	5	1		74.5	N	
1	6/29/91	6	1		68.4	N	
1	6/29/91	8	1		75.2	N	
1	6/29/91	9	1		72.9	N	
1	6/29/91	10	1		66.2	N	
1	6/29/91	11	1		76.2	N	
1	7/6/91	1	1		79.1	Y	J 910126143 TC#7,12NG
1	7/6/91	2	1		71.9	N	
1	7/6/91	3	1		75.5	N	
1	7/6/91	4	1		72.6	N	
1	7/6/91	5	1		74.6	N	
1	7/6/91	6	1		68.6	N	
1	7/6/91	8	1		75.6	N	
1	7/6/91	9	1		73.7	N	
1	7/6/91	10	1		67.4	N	
1	7/6/91	11	1		77.1	N	
1	7/13/91	1	1		79.9	Y	J 910126143-42(upper)TC#7Bad data
1	7/13/91	2	1		72.5	N	
1	7/13/91	3	1		76.7	N	
1	7/13/91	4	1		73.3	N	
1	7/13/91	5	1		75.3	N	
1	7/13/91	6	1		69.4	N	
1	7/13/91	8	1		75.7	N	
1	7/13/91	9	1		74	N	
1	7/13/91	10	1		67.5	N	
1	7/13/91	11	1		77.2	N	
1	7/20/91	1	1		78	Y	J 910126143-64 TC#7o/s
1	7/20/91	2	1		70.9	N	
1	7/20/91	3	1		74.6	N	
1	7/20/91	4	1		71.8	N	
1	7/20/91	5	1		73.7	N	
1	7/20/91	6	1		68	N	
1	7/20/91	8	1		74.7	N	
1	7/20/91	9	1		73	N	
1	7/20/91	10	1		66.4	N	
1	7/20/91	11	1		76.2	N	
1	7/27/91	1	1		68.9	N	J 910126143-14 TC #3,7,12NG
1	7/27/91	2	1		76.6	N	
1	7/27/91	4	1		73.2	N	
1	7/27/91	5	1		75.2	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	7/27/91	6	1		69.4	N	
1	7/27/91	8	1		76.1	N	
1	7/27/91	9	1		74.4	N	
1	7/27/91	10	1		67.9	N	
1	7/27/91	11	1		77.7	Y	
1	8/3/91	1	1		79.5	Y	J 910126143-14 TC#7Bad data
1	8/3/91	2	1		72.2	N	
1	8/3/91	3	1		75.7	N	
1	8/3/91	4	1		73	N	
1	8/3/91	5	1		75.7	N	
1	8/3/91	6	1		68.9	N	
1	8/3/91	8	1		67.2	N	
1	8/3/91	9	1		74.5	N	
1	8/3/91	10	1		68	N	
1	8/3/91	11	1		77.2	N	
1	8/10/91	1	1		82	Y	J 890523512-20 TC#12NG
1	8/10/91	2	1		75	N	
1	8/10/91	3	1		78	N	
1	8/10/91	4	1		76	N	
1	8/10/91	5	1		78	N	
1	8/10/91	6	1		72	N	
1	8/10/91	7	1		43	N	
1	8/10/91	8	1		79	N	
1	8/10/91	9	1		77	N	
1	8/10/91	10	1		71	N	
1	8/10/91	11	1		80	N	
1	8/18/91	1	1		79.4	Y	J 890523512-20
1	8/18/91	2	1		72.5	N	
1	8/18/91	3	1		76.1	N	
1	8/18/91	4	1		73.7	N	
1	8/18/91	5	1		77	N	
1	8/18/91	6	1		77	N	
1	8/18/91	7	1		69.5	N	
1	8/18/91	9	1		76.8	N	
1	8/18/91	10	1		78.9	N	
1	8/18/91	11	1		68.4	N	
1	8/18/91	12	1		77.9	N	
1	8/24/91	1	1		81.5	Y	J 890523512-20
1	8/24/91	2	1		74.6	N	
1	8/24/91	3	1		78.1	N	
1	8/24/91	4	1		75.8	N	
1	8/24/91	5	1		77.9	N	
1	8/24/91	6	1		71.6	N	
1	8/24/91	7	1		46.4	N	
1	8/24/91	8	1		78.6	N	
1	8/24/91	9	1		77.2	N	
1	8/24/91	10	1		70.8	N	
1	8/24/91	11	1		80.1	N	
1	8/31/91	1	1		82	Y	
1	8/31/91	2	1		75.2	N	
1	8/31/91	3	1		78.7	N	
1	8/31/91	4	1		76.1	N	
1	8/31/91	5	1		78.1	N	
1	8/31/91	6	1		72.3	N	
1	8/31/91	8	1		79.3	N	
1	8/31/91	9	1		77.5	N	
1	8/31/91	10	1		71.2	N	
1	8/31/91	11	1		80.2	N	
1	9/8/91	1	1		80.2	N	J-890423320-42 TC#7 Bad Data
1	9/8/91	2	1		75.2	N	
1	9/8/91	3	1		78.6	N	
1	9/8/91	4	1		86.2	Y	
1	9/8/91	5	1		78.1	N	
1	9/8/91	6	1		72.3	N	
1	9/8/91	8	1		79.3	N	
1	9/8/91	9	1		77.5	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	9/8/91	10	1		71.2	N	
1	9/8/91	11	1		80.2	N	
1	9/15/91	1	1		81	Y	J-910126143-75
1	9/15/91	2	1		74	N	
1	9/15/91	3	1		77.3	N	
1	9/15/91	4	1		75.1	N	
1	9/15/91	5	1		77.9	N	
1	9/15/91	6	1		72.7	N	
1	9/15/91	8	1		78.7	N	
1	9/15/91	9	1		76.8	N	
1	9/15/91	10	1		70.1	N	
1	9/15/91	11	1		79.8	N	
1	9/22/91	1	1		81.9	Y	J-910126143-75
1	9/22/91	2	1		75.2	N	
1	9/22/91	3	1		79.2	N	
1	9/22/91	4	1		77	N	
1	9/22/91	5	1		78.8	N	
1	9/22/91	6	1		73.6	N	
1	9/22/91	8	1		79.8	N	
1	9/22/91	9	1		78.8	N	
1	9/22/91	10	1		71.5	N	
1	9/22/91	11	1		81.2	N	
1	9/28/91	1	1		83.3	Y	J-Keithley 872# T1-059 TC #7 Bad Data
1	9/28/91	2	1		76.7	N	
1	9/28/91	3	1		80.4	N	
1	9/28/91	4	1		78.2	N	
1	9/28/91	5	1		79.9	N	
1	9/28/91	6	1		74.7	N	
1	9/28/91	8	1		81.2	N	
1	9/28/91	9	1		79.8	N	
1	9/28/91	10	1		72.9	N	
1	9/28/91	11	1		82.4	N	
1	10/5/91	1	1		82.5	Y	J-910126143-42 TC #7 Bad Data
1	10/5/91	2	1		75.9	N	
1	10/5/91	3	1		79.7	N	
1	10/5/91	4	1		77.8	N	
1	10/5/91	5	1		79.2	N	
1	10/5/91	6	1		73.9	N	
1	10/5/91	8	1		81.2	N	
1	10/5/91	9	1		79.7	N	
1	10/5/91	10	1		72.5	N	
1	10/5/91	11	1		82.5	N	
1	10/12/91	1	1		82.7	N	J-TI023 TC #7 Bad Data
1	10/12/91	2	1		76.3	N	
1	10/12/91	3	1		79.8	N	
1	10/12/91	4	1		78	N	
1	10/12/91	5	1		79.6	N	
1	10/12/91	6	1		74.5	N	
1	10/12/91	8	1		80.6	N	
1	10/12/91	9	1		78.6	N	
1	10/12/91	10	1		70.1	N	
1	10/12/91	11	1		86.5	Y	
1	10/19/91	1	1		82.8	Y	J-890523512-47 TC#7 Bad Data
1	10/19/91	2	1		79.8	N	
1	10/19/91	3	1		79.3	N	
1	10/19/91	4	1		77.6	N	
1	10/19/91	5	1		78.8	N	
1	10/19/91	6	1		73.4	N	
1	10/19/91	8	1		79.3	N	
1	10/19/91	9	1		77.6	N	
1	10/19/91	10	1		70	N	
1	10/19/91	11	1		80.5	N	
1	10/27/91	1	1		85.1	Y	J-910126143-42 TC #7 Bad Data
1	10/27/91	2	1		78.3	N	
1	10/27/91	3	1		81.8	N	
1	10/27/91	4	1		80.3	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	10/27/91	5	1		80.8	N	
1	10/27/91	6	1		75.8	N	
1	10/27/91	8	1		81.6	N	
1	10/27/91	9	1		79.7	N	
1	10/27/91	10	1		71.5	N	
1	10/27/91	11	1		82.8	N	
1	10/27/91	12	1		74.6	N	
1	10/27/91	13	1		81.8	N	
1	11/2/91	1	1		82	Y	J-890523512-47, TC #7 BAD DATA
1	11/2/91	2	1		75	N	
1	11/2/91	3	1		79	N	
1	11/2/91	4	1		77	N	
1	11/2/91	5	1		78	N	
1	11/2/91	6	1		73	N	
1	11/2/91	8	1		79	N	
1	11/2/91	9	1		78	N	
1	11/2/91	10	1		69	N	
1	11/2/91	11	1		81	N	
1	11/2/91	12	1		72	N	
1	11/2/91	13	1		79	N	
1	11/9/91	1	1		77	Y	J-2E-OP-02, TC #7,12,13 O/S
1	11/9/91	2	1		74	N	
1	11/9/91	3	1		72	N	
1	11/9/91	4	1		73	N	
1	11/9/91	5	1		75	N	
1	11/9/91	6	1		69	N	
1	11/9/91	8	1		75	N	
1	11/9/91	9	1		74	N	
1	11/9/91	10	1		64	N	
1	11/9/91	11	1		76	N	
1	11/17/91	1	1		72.2	N	J-91012643-75 TC #7 BAD DATA
1	11/17/91	2	1		79.1	N	
1	11/17/91	3	1		82.2	Y	
1	11/17/91	4	1		77.4	N	
1	11/17/91	5	1		78.4	N	
1	11/17/91	6	1		73.5	N	
1	11/17/91	8	1		78.9	N	
1	11/17/91	9	1		76.9	N	
1	11/17/91	10	1		69.7	N	
1	11/17/91	11	1		79.8	N	
1	11/24/91	1	1		83.4	Y	J-910126143-75, TC #7 BAD DATA
1	11/24/91	2	1		76.5	N	
1	11/24/91	3	1		80	N	
1	11/24/91	4	1		78.4	N	
1	11/24/91	5	1		79.7	N	
1	11/24/91	6	1		74.7	N	
1	11/24/91	8	1		80	N	
1	11/24/91	9	1		78.3	N	
1	11/24/91	10	1		71.4	N	
1	11/24/91	11	1		81.1	N	
1	12/1/91	1	1		82.7	Y	J-910126143-14 TC #7 BAD DATA
1	12/1/91	2	1		75.5	N	
1	12/1/91	3	1		78.8	N	
1	12/1/91	4	1		77.4	N	
1	12/1/91	5	1		78.4	N	
1	12/1/91	6	1		73.5	N	
1	12/1/91	8	1		78.8	N	
1	12/1/91	9	1		77	N	
1	12/1/91	10	1		70.3	N	
1	12/1/91	11	1		79.8	N	
1	12/6/91	1	1		81.5	Y	
1	12/6/91	2	1		71.6	N	
1	12/6/91	3	1		76.6	N	
1	12/6/91	4	1		76.9	N	
1	12/6/91	5	1		78.1	N	
1	12/6/91	6	1		72.2	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/6/91	7	1		77.2	N	
1	12/6/91	8	1		77.6	N	
1	12/6/91	9	1		73	N	
1	12/6/91	10	1		68.9	N	
1	12/6/91	11	1		79.7	N	
1	12/8/91	1	1		81.2	Y	J-910126143-48 TC #7 BAD DATA
1	12/8/91	2	1		74.5	N	
1	12/8/91	3	1		77.9	N	
1	12/8/91	4	1		76.4	N	
1	12/8/91	5	1		77.8	N	
1	12/8/91	6	1		72.5	N	
1	12/8/91	8	1		78.8	N	
1	12/8/91	9	1		77.3	N	
1	12/8/91	10	1		70.5	N	
1	12/8/91	11	1		79.9	N	
1	12/14/91	1	1		82.6	Y	J-910126143-29, TC #7 BAD DATA TC #12 O/S
1	12/14/91	2	1		75.9	N	
1	12/14/91	3	1		79.9	N	
1	12/14/91	4	1		77.1	N	
1	12/14/91	5	1		78.5	N	
1	12/14/91	6	1		73.3	N	
1	12/14/91	8	1		78.7	N	
1	12/14/91	9	1		77.1	N	
1	12/14/91	10	1		69.8	N	
1	12/14/91	11	1		80	N	
1	12/20/91	1	1			N	NO READINGS
1	12/22/91	1	1		81.1	Y	J-900925741 OMEGA TC #7,12 BAD DATA
1	12/22/91	2	1		69.1	N	
1	12/22/91	3	1		76.8	N	
1	12/22/91	4	1		73.7	N	
1	12/22/91	5	1		76.5	N	
1	12/22/91	6	1		71.8	N	
1	12/22/91	8	1		77.5	N	
1	12/22/91	9	1		74.9	N	
1	12/22/91	10	1		64.4	N	
1	12/22/91	11	1		78.9	N	
1	12/22/91	13	1		70.7	N	
1	12/22/91	14	1		74.4	N	
1	12/29/91	1	1		93.4	Y	OVER SURVEILLANCE LIMIT RETEST REQ 12/30/91
1	12/29/91	2	1		90.4	N	
1	12/29/91	3	1		80.2	N	
1	12/29/91	4	1		77.5	N	
1	12/29/91	5	1		76.5	N	
1	12/29/91	6	1		76.1	N	
1	12/29/91	7	1		75	N	
1	12/29/91	8	1		75.7	N	
1	12/29/91	9	1		73.7	N	
1	12/29/91	10	1		73.2	N	
1	12/29/91	11	1		73.8	N	
1	12/29/91	12	1		73.4	N	
1	12/29/91	13	1		73.7	N	
1	12/29/91	14	1		73.9	N	
1	12/30/91	1	1		93.5	Y	J-910126143-50
1	12/30/91	2	1		90.3	N	
1	12/30/91	3	1		80	N	
1	12/30/91	4	1		77.4	N	
1	12/30/91	5	1		76.3	N	
1	12/30/91	6	1		76	N	
1	12/30/91	7	1		75	N	
1	12/30/91	8	1		75.6	N	
1	12/30/91	9	1		73.6	N	
1	12/30/91	10	1		73	N	
1	12/30/91	11	1		73.6	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/30/91	12	1		73.2	N	
1	12/30/91	13	1		73.6	N	
1	12/30/91	14	1		73.8	N	
1	1/3/92	1	1		93	Y	J-910126143-50
1	1/3/92	2	1		90	N	
1	1/3/92	3	1		80	N	
1	1/3/92	4	1		77	N	
1	1/3/92	5	1		76	N	
1	1/3/92	6	1		75	N	
1	1/3/92	7	1		74	N	
1	1/3/92	8	1		75	N	
1	1/3/92	9	1		72	N	
1	1/3/92	10	1		72	N	
1	1/3/92	11	1		73	N	
1	1/3/92	12	1		72	N	
1	1/3/92	13	1		73	N	
1	1/3/92	14	1		73	N	
1	1/7/92	1	1			N	TEMP INCREASE DUE TO THERMOCOUPLE REPAIR;DISCREP#TFSA-92-431
1	1/11/92	1	1		91.8	Y	910126143-14
1	1/11/92	2	1		89.6	N	
1	1/11/92	3	1		78.7	N	
1	1/11/92	4	1		75.9	N	
1	1/11/92	5	1		75	N	
1	1/11/92	6	1		74.4	N	
1	1/11/92	7	1		73.8	N	
1	1/11/92	8	1		74	N	
1	1/11/92	9	1		71.8	N	
1	1/11/92	10	1		71.4	N	
1	1/11/92	11	1		72.1	N	
1	1/11/92	12	1		71.7	N	
1	1/11/92	13	1		72	N	
1	1/11/92	14	1		72.2	N	
1	1/16/92	1	1		93	Y	J 910126143-32
1	1/16/92	2	1		91.1	N	
1	1/16/92	3	1		79.5	N	
1	1/16/92	4	1		77.2	N	
1	1/16/92	5	1		76.2	N	
1	1/16/92	6	1		75.1	N	
1	1/16/92	7	1		75.1	N	
1	1/16/92	8	1		75.3	N	
1	1/16/92	9	1		73	N	
1	1/16/92	10	1		72.6	N	
1	1/16/92	11	1		73.2	N	
1	1/16/92	12	1		72.8	N	
1	1/16/92	13	1		73.1	N	
1	1/16/92	14	1		73.2	N	
1	1/25/92	1	1		94.1	Y	J-910126143-14
1	1/25/92	2	1		92	N	
1	1/25/92	3	1		80.4	N	
1	1/25/92	4	1		77.7	N	
1	1/25/92	5	1		76.6	N	
1	1/25/92	6	1		76	N	
1	1/25/92	7	1		75.3	N	
1	1/25/92	8	1		75.5	N	
1	1/25/92	9	1		73.2	N	
1	1/25/92	10	1		73.1	N	
1	1/25/92	11	1		73.7	N	
1	1/25/92	12	1		73.6	N	
1	1/25/92	13	1		73.8	N	
1	1/25/92	14	1		74.2	N	
1	1/28/92	1	1			N	ACCESS RESTRICTED 1/28 - 2/22 DUE TO BATTERY FUME INCIDENT
1	2/24/92	1	1		96.6	Y	J-900925741-79
1	2/24/92	2	1		93.7	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	2/24/92	3	1		82	N	
1	2/24/92	4	1		79.1	N	
1	2/24/92	5	1		78	N	
1	2/24/92	6	1		77.6	N	
1	2/24/92	7	1		77.1	N	
1	2/24/92	8	1		76.9	N	
1	2/24/92	9	1		75.2	N	
1	2/24/92	10	1		74.4	N	
1	2/24/92	11	1		74.7	N	
1	2/24/92	12	1		74.7	N	
1	2/24/92	13	1		74.8	N	
1	2/24/92	14	1		75	N	
1	2/29/92	1	1		94.2	Y	J+I-038/91012614332
1	2/29/92	2	1		91	N	
1	2/29/92	3	1		79.3	N	
1	2/29/92	4	1		76.3	N	
1	2/29/92	5	1		75.3	N	
1	2/29/92	6	1		74.6	N	
1	2/29/92	7	1		74.1	N	
1	2/29/92	8	1		74.1	N	
1	2/29/92	9	1		72.3	N	
1	2/29/92	10	1		71.4	N	
1	2/29/92	11	1		71.9	N	
1	2/29/92	12	1		71.8	N	
1	2/29/92	13	1		72	N	
1	2/29/92	14	1		72.2	N	
1	3/8/92	1	1		94.7	Y	J 910126143-48
1	3/8/92	2	1		92.4	N	
1	3/8/92	3	1		81	N	
1	3/8/92	4	1		78	N	
1	3/8/92	5	1		77.1	N	
1	3/8/92	6	1		76.5	N	
1	3/8/92	7	1		76.1	N	
1	3/8/92	8	1		75.9	N	
1	3/8/92	9	1		74	N	
1	3/8/92	10	1		73.2	N	
1	3/8/92	11	1		73.5	N	
1	3/8/92	12	1		73.5	N	
1	3/8/92	13	1		73.6	N	
1	3/8/92	14	1		73.8	N	
1	3/15/92	1	1		94.2	Y	J-910126143-32
1	3/15/92	2	1		82.1	N	
1	3/15/92	3	1		79.1	N	
1	3/15/92	4	1		78	N	
1	3/15/92	5	1		77.6	N	
1	3/15/92	6	1		77.1	N	
1	3/15/92	7	1		76.9	N	
1	3/15/92	8	1		75	N	
1	3/15/92	9	1		74.3	N	
1	3/15/92	10	1		74.6	N	
1	3/15/92	11	1		74.7	N	
1	3/15/92	12	1		74.9	N	
1	3/15/92	13	1		75	N	
1	3/20/92	1	1		96.2	Y	
1	3/20/92	2	1		93.4	N	
1	3/20/92	3	1		81.4	N	
1	3/20/92	4	1		78.2	N	
1	3/20/92	5	1		77.2	N	
1	3/20/92	6	1		76.6	N	
1	3/20/92	7	1		76.3	N	
1	3/20/92	8	1		76.1	N	
1	3/20/92	9	1		74.1	N	
1	3/20/92	10	1		73.5	N	
1	3/20/92	11	1		73.7	N	
1	3/20/92	12	1		73.8	N	
1	3/20/92	13	1		73.9	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/20/92	14	1		74	N	
1	3/29/92	1	1		94.9	Y	J 910126143-66
1	3/29/92	2	1		92.4	N	
1	3/29/92	3	1		80.8	N	
1	3/29/92	4	1		77.9	N	
1	3/29/92	5	1		76.8	N	
1	3/29/92	6	1		76.1	N	
1	3/29/92	7	1		75.6	N	
1	3/29/92	8	1		75.6	N	
1	3/29/92	9	1		73.8	N	
1	3/29/92	10	1		73.4	N	
1	3/29/92	11	1		74	N	
1	3/29/92	12	1		74	N	
1	3/29/92	13	1		74.3	N	
1	3/29/92	14	1		74.5	N	
1	4/3/92	1	1		94.9	Y	J 910126143-14
1	4/3/92	2	1		91.6	N	
1	4/3/92	3	1		80.2	N	
1	4/3/92	4	1		77.4	N	
1	4/3/92	5	1		76.4	N	
1	4/3/92	6	1		75.8	N	
1	4/3/92	7	1		75.5	N	
1	4/3/92	8	1		75.3	N	
1	4/3/92	9	1		73.2	N	
1	4/3/92	10	1		72.8	N	
1	4/3/92	11	1		73.1	N	
1	4/3/92	12	1		73.1	N	
1	4/3/92	13	1		73.2	N	
1	4/3/92	14	1		73.5	N	
1	4/11/92	1	1		94.2	Y	J 910125143-64
1	4/11/92	2	1		91.1	N	
1	4/11/92	3	1		79.8	N	
1	4/11/92	4	1		76.6	N	
1	4/11/92	5	1		75.7	N	
1	4/11/92	6	1		75	N	
1	4/11/92	7	1		74.5	N	
1	4/11/92	8	1		74.5	N	
1	4/11/92	9	1		72.4	N	
1	4/11/92	10	1		72	N	
1	4/11/92	11	1		72.5	N	
1	4/11/92	12	1		72.5	N	
1	4/11/92	13	1		72.7	N	
1	4/11/92	14	1		73	N	
1	4/17/92	1	1		95.9	Y	J 89052352 20
1	4/17/92	2	1		92.3	N	
1	4/17/92	3	1		81.4	N	
1	4/17/92	4	1		78.3	N	
1	4/17/92	5	1		77.3	N	
1	4/17/92	6	1		76.6	N	
1	4/17/92	7	1		76.1	N	
1	4/17/92	8	1		76.1	N	
1	4/17/92	9	1		74.2	N	
1	4/17/92	10	1		73.7	N	
1	4/17/92	11	1		74.2	N	
1	4/17/92	12	1		74.2	N	
1	4/17/92	13	1		74.4	N	
1	4/17/92	14	1		74.7	N	
1	4/25/92	1	1		98.5	Y	J 89052351220
1	4/25/92	2	1		95.7	N	
1	4/25/92	3	1		83	N	
1	4/25/92	4	1		81.2	N	
1	4/25/92	5	1		79.7	N	
1	4/25/92	6	1		78.8	N	
1	4/25/92	7	1		78.1	N	
1	4/25/92	8	1		78	N	
1	4/25/92	9	1		76.3	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	4/25/92	10	1		75.8	N	
1	4/25/92	11	1		76.5	N	
1	4/25/92	12	1		76.6	N	
1	4/25/92	13	1		76.7	N	
1	4/25/92	14	1		76.6	N	
1	4/30/92	1	1		92.2	Y	J 890523512-47
1	4/30/92	2	1		88.9	N	
1	4/30/92	3	1		77.8	N	
1	4/30/92	4	1		75.4	N	
1	4/30/92	5	1		74.4	N	
1	4/30/92	6	1		73.8	N	
1	4/30/92	7	1		73.3	N	
1	4/30/92	8	1		73.2	N	
1	4/30/92	9	1		71.5	N	
1	4/30/92	10	1		70.8	N	
1	4/30/92	11	1		71.3	N	
1	4/30/92	12	1		71.3	N	
1	4/30/92	13	1		71.5	N	
1	4/30/92	14	1		71.8	N	
1	5/8/92	1	1		93.8	Y	J 910126143-48
1	5/8/92	2	1		90.3	N	
1	5/8/92	3	1		79.6	N	
1	5/8/92	4	1		77.1	N	
1	5/8/92	5	1		76	N	
1	5/8/92	6	1		75.4	N	
1	5/8/92	7	1		75	N	
1	5/8/92	8	1		74.9	N	
1	5/8/92	9	1		73.3	N	
1	5/8/92	10	1		72.6	N	
1	5/8/92	11	1		73	N	
1	5/8/92	12	1		73	N	
1	5/8/92	13	1		73.2	N	
1	5/8/92	14	1		73.5	N	
1	5/16/92	1	1		97.2	Y	J 910126143-32
1	5/16/92	2	1		94.1	N	
1	5/16/92	3	1		83.3	N	
1	5/16/92	4	1		80.7	N	
1	5/16/92	5	1		79.6	N	
1	5/16/92	6	1		79	N	
1	5/16/92	7	1		78.5	N	
1	5/16/92	8	1		78.3	N	
1	5/16/92	9	1		77.1	N	
1	5/16/92	10	1		76.5	N	
1	5/16/92	11	1		77.1	N	
1	5/16/92	12	1		77.4	N	
1	5/16/92	13	1		77.8	N	
1	5/16/92	14	1		77.8	N	
1	5/24/92	1	1		96.1	Y	J 890523512-47
1	5/24/92	2	1		93.4	N	
1	5/24/92	3	1		83.4	N	
1	5/24/92	4	1		80	N	
1	5/24/92	5	1		78.6	N	
1	5/24/92	6	1		77.9	N	
1	5/24/92	7	1		77.5	N	
1	5/24/92	8	1		77.5	N	
1	5/24/92	9	1		76.4	N	
1	5/24/92	10	1		76	N	
1	5/24/92	11	1		76.5	N	
1	5/24/92	12	1		76.8	N	
1	5/24/92	13	1		77.2	N	
1	5/24/92	14	1		77.5	N	
1	5/28/92	1	1		94.9	Y	J 890523512-47
1	5/28/92	2	1		91.7	N	
1	5/28/92	3	1		82	N	
1	5/28/92	4	1		79.1	N	
1	5/28/92	5	1		78	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	5/28/92	6	1		77.6	N	
1	5/28/92	7	1		77.3	N	
1	5/28/92	8	1		77	N	
1	5/28/92	9	1		75.8	N	
1	5/28/92	10	1		75	N	
1	5/28/92	11	1		75.3	N	
1	5/28/92	12	1		75.5	N	
1	5/28/92	13	1		75.7	N	
1	5/28/92	14	1		75.9	N	
1	6/5/92	1	1		95.7	Y	J 910126143-50
1	6/5/92	2	1		92.5	N	
1	6/5/92	3	1		83	N	
1	6/5/92	4	1		80	N	
1	6/5/92	5	1		78.9	N	
1	6/5/92	6	1		79.4	N	
1	6/5/92	7	1		78.1	N	
1	6/5/92	8	1		77.9	N	
1	6/5/92	9	1		76.7	N	
1	6/5/92	10	1		76	N	
1	6/5/92	11	1		76.3	N	
1	6/5/92	12	1		76.6	N	
1	6/5/92	13	1		76.9	N	
1	6/5/92	14	1		77.2	N	
1	6/13/92	1	1		91	Y	J 890523512-47
1	6/13/92	2	1		87.4	N	
1	6/13/92	3	1		78.1	N	
1	6/13/92	4	1		75.4	N	
1	6/13/92	5	1		74.5	N	
1	6/13/92	6	1		73.9	N	
1	6/13/92	7	1		73.5	N	
1	6/13/92	8	1		73.4	N	
1	6/13/92	9	1		72.2	N	
1	6/13/92	10	1		71.5	N	
1	6/13/92	11	1		71.9	N	
1	6/13/92	12	1		71.9	N	
1	6/13/92	13	1		72	N	
1	6/13/92	14	1		72.3	N	
1	6/20/92	1	1		97.6	Y	J 910126143-48
1	6/20/92	2	1		95.1	N	
1	6/20/92	3	1		86	N	
1	6/20/92	4	1		82.9	N	
1	6/20/92	5	1		81.9	N	
1	6/20/92	6	1		80.8	N	
1	6/20/92	7	1		80.3	N	
1	6/20/92	8	1		80.4	N	
1	6/20/92	9	1		79.7	N	
1	6/20/92	10	1		79.1	N	
1	6/20/92	11	1		79.5	N	
1	6/20/92	12	1		79.9	N	
1	6/20/92	13	1		80.1	N	
1	6/20/92	14	1		80.3	N	
1	6/28/92	1	1		96.6	Y	J TI-042 910126143-66
1	6/28/92	2	1		93.8	N	
1	6/28/92	3	1		85	N	
1	6/28/92	4	1		82.2	N	
1	6/28/92	5	1		81.1	N	
1	6/28/92	6	1		80.6	N	
1	6/28/92	7	1		80.1	N	
1	6/28/92	8	1		80	N	
1	6/28/92	9	1		79	N	
1	6/28/92	10	1		78.5	N	
1	6/28/92	11	1		78.8	N	
1	6/28/92	12	1		79.2	N	
1	6/28/92	13	1		79.6	N	
1	6/28/92	14	1		79.8	N	
1	7/3/92	1	1		94.9	Y	J TI-041

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	7/3/92	2	1		91.9	N	
1	7/3/92	3	1		82.9	N	
1	7/3/92	4	1		80.2	N	
1	7/3/92	5	1		79.3	N	
1	7/3/92	6	1		78.9	N	
1	7/3/92	7	1		78.3	N	
1	7/3/92	8	1		78.4	N	
1	7/3/92	9	1		77.4	N	
1	7/3/92	10	1		76.8	N	
1	7/3/92	11	1		76.8	N	
1	7/3/92	12	1		77.7	N	
1	7/3/92	13	1		77.3	N	
1	7/3/92	14	1		77.5	N	
1	7/10/92	1	1		94.5	Y	J 910126143-42
1	7/10/92	2	1		91.4	N	
1	7/10/92	3	1		82.7	N	
1	7/10/92	4	1		80.1	N	
1	7/10/92	5	1		79.2	N	
1	7/10/92	6	1		78.6	N	
1	7/10/92	7	1		78	N	
1	7/10/92	8	1		78.1	N	
1	7/10/92	9	1		77.1	N	
1	7/10/92	10	1		76.4	N	
1	7/10/92	11	1		76.7	N	
1	7/10/92	12	1		76.7	N	
1	7/10/92	13	1		77.1	N	
1	7/10/92	14	1		77.4	N	
1	7/18/92	1	1		96.7	Y	J 910126143-42
1	7/18/92	2	1		94.5	N	
1	7/18/92	3	1		86.2	N	
1	7/18/92	4	1		83.5	N	
1	7/18/92	5	1		82.3	N	
1	7/18/92	6	1		81.8	N	
1	7/18/92	7	1		81.2	N	
1	7/18/92	8	1		81.4	N	
1	7/18/92	9	1		80.7	N	
1	7/18/92	10	1		80.4	N	
1	7/18/92	11	1		80.7	N	
1	7/18/92	12	1		81.2	N	
1	7/18/92	13	1		81.5	N	
1	7/18/92	14	1		81.6	N	
1	7/24/92	1	1		95.8	N	
1	7/24/92	2	1		93	N	
1	7/24/92	3	1		85	N	
1	7/24/92	4	1		82.4	N	
1	7/24/92	5	1		81.6	N	
1	7/24/92	6	1		81.2	N	
1	7/24/92	7	1		80.6	N	
1	7/24/92	8	1		80.6	N	
1	7/24/92	9	1		79.7	N	
1	7/24/92	10	1		79.1	N	
1	7/24/92	11	1		79.2	N	
1	7/24/92	12	1		79.3	N	
1	7/24/92	13	1		79.4	N	
1	7/24/92	14	1		79.6	N	
1	8/1/92	1	1		97.9	Y	J TI-041
1	8/1/92	2	1		95.7	N	
1	8/1/92	3	1		87.9	N	
1	8/1/92	4	1		84.9	N	
1	8/1/92	5	1		83.4	N	
1	8/1/92	6	1		82.8	N	
1	8/1/92	7	1		82.3	N	
1	8/1/92	8	1		82.3	N	
1	8/1/92	9	1		81.8	N	
1	8/1/92	10	1		81.5	N	
1	8/1/92	11	1		81.9	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/1/92	12	1		82.1	N	
1	8/1/92	13	1		82.4	N	
1	8/1/92	14	1		82.7	N	
1	8/7/92	1	1		94.5	Y	J 890423320-42
1	8/7/92	2	1		91.9	N	
1	8/7/92	3	1		84.4	N	
1	8/7/92	4	1		81.9	N	
1	8/7/92	5	1		81.9	N	
1	8/7/92	6	1		80.5	N	
1	8/7/92	7	1		80.1	N	
1	8/7/92	8	1		80	N	
1	8/7/92	9	1		79.3	N	
1	8/7/92	10	1		78.6	N	
1	8/7/92	11	1		78.8	N	
1	8/7/92	12	1		78.9	N	
1	8/7/92	13	1		79.1	N	
1	8/7/92	14	1		79.3	N	
1	8/15/92	1	1		95.9	Y	J 890423320
1	8/15/92	2	1		93.9	N	
1	8/15/92	3	1		86.3	N	
1	8/15/92	4	1		83.6	N	
1	8/15/92	5	1		82.5	N	
1	8/15/92	6	1		81.9	N	
1	8/15/92	7	1		81.8	N	
1	8/15/92	8	1		81.8	N	
1	8/15/92	9	1		81.3	N	
1	8/15/92	10	1		80.7	N	
1	8/15/92	11	1		80.9	N	
1	8/15/92	12	1		81.1	N	
1	8/15/92	13	1		81.4	N	
1	8/15/92	14	1		81.5	N	
1	8/21/92	1	1		94.4	Y	J 890423320-42
1	8/21/92	2	1		92.1	N	
1	8/21/92	3	1		84.7	N	
1	8/21/92	4	1		82.3	N	
1	8/21/92	5	1		81.5	N	
1	8/21/92	6	1		80.6	N	
1	8/21/92	7	1		80.3	N	
1	8/21/92	8	1		80.1	N	
1	8/21/92	9	1		79.5	N	
1	8/21/92	10	1		78.5	N	
1	8/21/92	11	1		79.2	N	
1	8/21/92	12	1		79.4	N	
1	8/21/92	13	1		79.6	N	
1	8/21/92	14	1		79.5	N	
1	8/30/92	1	1		96.9	Y	J 890423320-42
1	8/30/92	2	1		94.7	N	
1	8/30/92	3	1		87.3	N	
1	8/30/92	4	1		84.7	N	
1	8/30/92	5	1		83.6	N	
1	8/30/92	6	1		82.8	N	
1	8/30/92	7	1		82.3	N	
1	8/30/92	8	1		82	N	
1	8/30/92	9	1		81.7	N	
1	8/30/92	10	1		81.4	N	
1	8/30/92	11	1		81.8	N	
1	8/30/92	12	1		82	N	
1	8/30/92	13	1		82.1	N	
1	8/30/92	14	1		82.1	N	
1	9/6/92	3	1		84.2	N	
1	9/6/92	4	1		85.8	N	
1	9/6/92	5	1		86.3	N	
1	9/6/92	6	1		85.7	N	
1	9/6/92	7	1		85.6	N	
1	9/6/92	8	1		85	N	
1	9/6/92	9	1		85.5	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	9/6/92	10	1		81	N	
1	9/6/92	11	1		79.8	N	
1	9/6/92	12	1		79.5	N	
1	9/6/92	13	1		78.7	N	
1	9/6/92	14	1		78.5	N	
1	9/12/92	1	1		95.8	Y	J 890423320-42
1	9/12/92	2	1		93.4	N	
1	9/12/92	3	1		86.2	N	
1	9/12/92	4	1		84.1	N	
1	9/12/92	5	1		83.2	N	
1	9/12/92	6	1		82.7	N	
1	9/12/92	7	1		82.3	N	
1	9/12/92	8	1		82.1	N	
1	9/12/92	9	1		81.5	N	
1	9/12/92	10	1		80.8	N	
1	9/12/92	11	1		81.1	N	
1	9/12/92	12	1		81.1	N	
1	9/12/92	13	1		81.3	N	
1	9/12/92	14	1		81.5	N	
1	9/20/92	1	1		95.1	Y	J 910126143-64
1	9/20/92	2	1		92.8	N	
1	9/20/92	3	1		85.3	N	
1	9/20/92	4	1		82.9	N	
1	9/20/92	5	1		82	N	
1	9/20/92	6	1		81.6	N	
1	9/20/92	7	1		81.2	N	
1	9/20/92	8	1		81.1	N	
1	9/20/92	9	1		80.3	N	
1	9/20/92	10	1		79.7	N	
1	9/20/92	11	1		80	N	
1	9/20/92	12	1		80	N	
1	9/20/92	13	1		80.2	N	
1	9/20/92	14	1		80.5	N	
1	9/26/92	1	1		94.8	Y	J 910126143-64
1	9/26/92	2	1		92.5	N	
1	9/26/92	3	1		85.2	N	
1	9/26/92	4	1		82.9	N	
1	9/26/92	5	1		82.1	N	
1	9/26/92	6	1		81.7	N	
1	9/26/92	7	1		81.4	N	
1	9/26/92	8	1		81.1	N	
1	9/26/92	9	1		80.3	N	
1	9/26/92	10	1		79.8	N	
1	9/26/92	11	1		80	N	
1	9/26/92	12	1		80.8	N	
1	9/26/92	13	1		80.1	N	
1	9/26/92	14	1		80.3	N	
1	10/1/92	1	1		94.2	Y	J 890423320-42
1	10/1/92	2	1		92.4	N	
1	10/1/92	3	1		84.9	N	
1	10/1/92	4	1		82.7	N	
1	10/1/92	5	1		81.9	N	
1	10/1/92	6	1		81.6	N	
1	10/1/92	7	1		81.3	N	
1	10/1/92	8	1		80.9	N	
1	10/1/92	9	1		80.2	N	
1	10/1/92	10	1		79.7	N	
1	10/1/92	11	1		79.8	N	
1	10/1/92	12	1		79.9	N	
1	10/1/92	13	1		80	N	
1	10/1/92	14	1		80.1	N	
1	10/10/92	1	1		95.8	Y	J 910126143-48
1	10/10/92	2	1		94	N	
1	10/10/92	3	1		86.1	N	
1	10/10/92	4	1		83.9	N	
1	10/10/92	5	1		83	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	10/10/92	6	1		82.5	N	
1	10/10/92	7	1		82.1	N	
1	10/10/92	8	1		81.9	N	
1	10/10/92	9	1		81.2	N	
1	10/10/92	10	1		80.4	N	
1	10/10/92	11	1		80.7	N	
1	10/10/92	12	1		80.8	N	
1	10/10/92	13	1		80.9	N	
1	10/10/92	14	1		81.2	N	
1	10/18/92	1	1		93.9	Y	J 910125143-40
1	10/18/92	2	1		91.7	N	
1	10/18/92	3	1		83.8	N	
1	10/18/92	4	1		81.5	N	
1	10/18/92	5	1		80.6	N	
1	10/18/92	6	1		79.7	N	
1	10/18/92	7	1		79.6	N	
1	10/18/92	8	1		79.6	N	
1	10/18/92	9	1		78.7	N	
1	10/18/92	10	1		77.9	N	
1	10/18/92	11	1		78.4	N	
1	10/18/92	12	1		78.2	N	
1	10/18/92	13	1		78.4	N	
1	10/18/92	14	1		78.7	N	
1	10/24/92	1	1		95.8	Y	J 910126143-66
1	10/24/92	2	1		93.8	N	
1	10/24/92	3	1		85.9	N	
1	10/24/92	4	1		83.5	N	
1	10/24/92	5	1		82.6	N	
1	10/24/92	6	1		82.1	N	
1	10/24/92	7	1		82	N	
1	10/24/92	8	1		81.8	N	
1	10/24/92	9	1		81.1	N	
1	10/24/92	10	1		80.2	N	
1	10/24/92	11	1		80.5	N	
1	10/24/92	12	1		80.5	N	
1	10/24/92	13	1		80.7	N	
1	10/24/92	14	1		80.8	N	
1	10/28/92	1	1		94.3	Y	J 91012614366
1	10/28/92	2	1		92.1	N	
1	10/28/92	3	1		84	N	
1	10/28/92	4	1		81.7	N	
1	10/28/92	5	1		80.8	N	
1	10/28/92	6	1		80.2	N	
1	10/28/92	7	1		79.8	N	
1	10/28/92	8	1		79.7	N	
1	10/28/92	9	1		78.8	N	
1	10/28/92	10	1		78.1	N	
1	10/28/92	11	1		78.5	N	
1	10/28/92	12	1		78.3	N	
1	10/28/92	13	1		78.4	N	
1	10/28/92	14	1		78.7	N	
1	11/1/92	1	1		97.1	Y	TMACS
1	11/1/92	2	1		95	N	
1	11/1/92	3	1		86.9	N	
1	11/1/92	4	1		84.9	N	
1	11/1/92	5	1		84.7	N	
1	11/1/92	6	1		84.9	N	
1	11/1/92	7	1		85.2	N	
1	11/1/92	8	1		86	N	
1	11/1/92	9	1		81.1	N	
1	11/1/92	10	1		80.4	N	
1	11/1/92	11	1		80.9	N	
1	11/1/92	12	1		80.9	N	
1	11/1/92	13	1		81.6	N	
1	11/1/92	14	1		82.5	N	
1	11/8/92	1	1		96.4	Y	TMACS

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/8/92	2	1		94.1	N	
1	11/8/92	3	1		86.3	N	
1	11/8/92	4	1		84.2	N	
1	11/8/92	5	1		83.8	N	
1	11/8/92	6	1		84	N	
1	11/8/92	7	1		84.2	N	
1	11/8/92	8	1		85.1	N	
1	11/8/92	9	1		80.2	N	
1	11/8/92	10	1		79.5	N	
1	11/8/92	11	1		80.2	N	
1	11/8/92	12	1		80.2	N	
1	11/8/92	13	1		80.9	N	
1	11/8/92	14	1		81.6	N	
1	11/15/92	1	1		96.4	Y	TMACS
1	11/15/92	2	1		94.2	N	
1	11/15/92	3	1		86.3	N	
1	11/15/92	4	1		84.3	N	
1	11/15/92	5	1		83.8	N	
1	11/15/92	6	1		84	N	
1	11/15/92	7	1		84	N	
1	11/15/92	8	1		85.4	N	
1	11/15/92	9	1		80	N	
1	11/15/92	10	1		79.1	N	
1	11/15/92	11	1		80	N	
1	11/15/92	12	1		80	N	
1	11/15/92	13	1		80.7	N	
1	11/15/92	14	1		81.5	N	
1	11/20/92	1	1		94.1	Y	J 910126143-48
1	11/20/92	2	1		91.4	N	
1	11/20/92	3	1		83.1	N	
1	11/20/92	4	1		80.7	N	
1	11/20/92	5	1		79.9	N	
1	11/20/92	6	1		79.4	N	
1	11/20/92	7	1		78.9	N	
1	11/20/92	8	1		78.8	N	
1	11/20/92	9	1		77.8	N	
1	11/20/92	10	1		76.8	N	
1	11/20/92	11	1		77.2	N	
1	11/20/92	12	1		77	N	
1	11/20/92	13	1		77.1	N	
1	11/20/92	14	1		77.3	N	
1	11/22/92	1	1		94.8	Y	TMACS
1	11/22/92	2	1		92.3	N	
1	11/22/92	3	1		84.5	N	
1	11/22/92	4	1		82.5	N	
1	11/22/92	5	1		82.2	N	
1	11/22/92	6	1		82.2	N	
1	11/22/92	7	1		82.2	N	
1	11/22/92	8	1		83.4	N	
1	11/22/92	9	1		77.9	N	
1	11/22/92	10	1		77	N	
1	11/22/92	11	1		78	N	
1	11/22/92	12	1		77.9	N	
1	11/22/92	13	1		78.6	N	
1	11/22/92	14	1		79.5	N	
1	11/29/92	1	1		95.5	Y	TMACS
1	11/29/92	2	1		92.8	N	
1	11/29/92	3	1		84.3	N	
1	11/29/92	4	1		82.4	N	
1	11/29/92	5	1		82	N	
1	11/29/92	6	1		82.2	N	
1	11/29/92	7	1		82.4	N	
1	11/29/92	8	1		83.4	N	
1	11/29/92	9	1		77.5	N	
1	11/29/92	10	1		77	N	
1	11/29/92	11	1		77.9	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/29/92	12	1		77.7	N	
1	11/29/92	13	1		78.4	N	
1	11/29/92	14	1		79.3	N	
1	12/6/92	1	1		94.4	Y	TMACS
1	12/6/92	2	1		92.4	N	
1	12/6/92	3	1		83.1	N	
1	12/6/92	4	1		81.1	N	
1	12/6/92	5	1		80.7	N	
1	12/6/92	6	1		80.9	N	
1	12/6/92	7	1		80.7	N	
1	12/6/92	8	1		82.2	N	
1	12/6/92	9	1		76.1	N	
1	12/6/92	10	1		75.5	N	
1	12/6/92	11	1		76.4	N	
1	12/6/92	12	1		76.1	N	
1	12/6/92	13	1		77	N	
1	12/6/92	14	1		77.9	N	
1	12/13/92	1	1		94.8	Y	TMACS
1	12/13/92	2	1		92.3	N	
1	12/13/92	3	1		82.9	N	
1	12/13/92	4	1		81.1	N	
1	12/13/92	5	1		80.4	N	
1	12/13/92	6	1		80.6	N	
1	12/13/92	7	1		80.6	N	
1	12/13/92	8	1		81.8	N	
1	12/13/92	9	1		75.9	N	
1	12/13/92	10	1		75.2	N	
1	12/13/92	11	1		76.1	N	
1	12/13/92	12	1		75.9	N	
1	12/13/92	13	1		76.6	N	
1	12/13/92	14	1		77.5	N	
1	12/20/92	1	1		94.2	Y	TMACS
1	12/20/92	2	1		91.7	N	
1	12/20/92	3	1		82.5	N	
1	12/20/92	4	1		80.6	N	
1	12/20/92	5	1		79.8	N	
1	12/20/92	6	1		80	N	
1	12/20/92	7	1		80	N	
1	12/20/92	8	1		81.1	N	
1	12/20/92	9	1		74.4	N	
1	12/20/92	10	1		73.5	N	
1	12/20/92	11	1		74.6	N	
1	12/20/92	12	1		74.6	N	
1	12/20/92	13	1		75.2	N	
1	12/20/92	14	1		76.2	N	
1	12/27/92	1	1		95.3	Y	TMACS
1	12/27/92	2	1		92.8	N	
1	12/27/92	3	1		83.1	N	
1	12/27/92	4	1		80.9	N	
1	12/27/92	5	1		80.2	N	
1	12/27/92	6	1		80.2	N	
1	12/27/92	7	1		80.6	N	
1	12/27/92	8	1		81.6	N	
1	12/27/92	9	1		75.3	N	
1	12/27/92	10	1		74.8	N	
1	12/27/92	11	1		75.7	N	
1	12/27/92	12	1		75.7	N	
1	12/27/92	13	1		76.4	N	
1	12/27/92	14	1		77.1	N	
1	1/3/93	1	1		93.2	Y	TMACS
1	1/3/93	2	1		90.6	N	
1	1/3/93	3	1		80.2	N	
1	1/3/93	4	1		78	N	
1	1/3/93	5	1		77.7	N	
1	1/3/93	6	1		77.7	N	
1	1/3/93	7	1		78	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/3/93	8	1		79.3	N	
1	1/3/93	9	1		71.7	N	
1	1/3/93	10	1		71	N	
1	1/3/93	11	1		72.1	N	
1	1/3/93	12	1		72.3	N	
1	1/3/93	13	1		73	N	
1	1/3/93	14	1		73.7	N	
1	1/10/93	1	1		93.3	Y	TMACS
1	1/10/93	2	1		91.2	N	
1	1/10/93	3	1		80.2	N	
1	1/10/93	4	1		78	N	
1	1/10/93	5	1		77.5	N	
1	1/10/93	6	1		77.5	N	
1	1/10/93	7	1		77.5	N	
1	1/10/93	8	1		78.9	N	
1	1/10/93	9	1		72.1	N	
1	1/10/93	10	1		71.4	N	
1	1/10/93	11	1		72.5	N	
1	1/10/93	12	1		72.3	N	
1	1/10/93	13	1		73.2	N	
1	1/10/93	14	1		73.7	N	
1	1/17/93	1	1		94.2	Y	TMACS
1	1/17/93	2	1		92.3	N	
1	1/17/93	3	1		81.3	N	
1	1/17/93	4	1		78.9	N	
1	1/17/93	5	1		78.2	N	
1	1/17/93	6	1		78.6	N	
1	1/17/93	7	1		78.8	N	
1	1/17/93	8	1		79.7	N	
1	1/17/93	9	1		72.3	N	
1	1/17/93	10	1		71.9	N	
1	1/17/93	11	1		73	N	
1	1/17/93	12	1		72.8	N	
1	1/17/93	13	1		73.5	N	
1	1/17/93	14	1		74.3	N	
1	1/24/93	1	1		96.2	Y	TMACS
1	1/24/93	2	1		94.1	N	
1	1/24/93	3	1		83.3	N	
1	1/24/93	4	1		80.7	N	
1	1/24/93	5	1		79.7	N	
1	1/24/93	6	1		79.8	N	
1	1/24/93	7	1		80.6	N	
1	1/24/93	8	1		80.9	N	
1	1/24/93	9	1		74.8	N	
1	1/24/93	10	1		74.4	N	
1	1/24/93	11	1		75	N	
1	1/24/93	12	1		75.2	N	
1	1/24/93	13	1		75.7	N	
1	1/24/93	14	1		76.2	N	
1	1/31/93	1	1		95	Y	TMACS
1	1/31/93	2	1		93.02	N	
1	1/31/93	3	1		81.68	N	
1	1/31/93	4	1		79.16	N	
1	1/31/93	5	1		78.26	N	
1	1/31/93	6	1		78.62	N	
1	1/31/93	7	1		78.8	N	
1	1/31/93	8	1		79.52	N	
1	1/31/93	9	1		73.22	N	
1	1/31/93	10	1		72.86	N	
1	1/31/93	11	1		73.76	N	
1	1/31/93	12	1		73.76	N	
1	1/31/93	13	1		74.3	N	
1	1/31/93	14	1		75.02	N	
1	2/8/93	1	1		94.82	Y	TMACS
1	2/8/93	2	1		92.66	N	
1	2/8/93	3	1		81.14	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	2/8/93	4	1		78.62	N	
1	2/8/93	5	1		77.9	N	
1	2/8/93	6	1		78.08	N	
1	2/8/93	7	1		78.44	N	
1	2/8/93	8	1		79.34	N	
1	2/8/93	9	1		72.68	N	
1	2/8/93	10	1		71.96	N	
1	2/8/93	11	1		72.86	N	
1	2/8/93	12	1		72.86	N	
1	2/8/93	13	1		73.76	N	
1	2/8/93	14	1		74.48	N	
1	2/15/93	1	1		94.3	Y	TMACS
1	2/15/93	2	1		92.1	N	
1	2/15/93	3	1		80.24	N	
1	2/15/93	4	1		77.9	N	
1	2/15/93	5	1		77.2	N	
1	2/15/93	6	1		77.2	N	
1	2/15/93	7	1		77.5	N	
1	2/15/93	8	1		78.4	N	
1	2/15/93	9	1		71.8	N	
1	2/15/93	10	1		71.4	N	
1	2/15/93	11	1		72.1	N	
1	2/15/93	12	1		72.1	N	
1	2/15/93	13	1		72.9	N	
1	2/15/93	14	1		73.8	N	
1	2/21/93	1	1		92.84	Y	TMACS
1	2/21/93	2	1		90.68	N	
1	2/21/93	3	1		78.26	N	
1	2/21/93	4	1		75.92	N	
1	2/21/93	5	1		75.2	N	
1	2/21/93	6	1		75.2	N	
1	2/21/93	7	1		75.38	N	
1	2/21/93	8	1		76.46	N	
1	2/21/93	9	1		69.98	N	
1	2/21/93	10	1		69.44	N	
1	2/21/93	11	1		70.52	N	
1	2/21/93	12	1		70.16	N	
1	2/21/93	13	1		70.88	N	
1	2/21/93	14	1		71.42	N	
1	3/1/93	1	1		92.66	Y	TMACS
1	3/1/93	2	1		90.14	N	
1	3/1/93	3	1		77.9	N	
1	3/1/93	4	1		75.56	N	
1	3/1/93	5	1		74.66	N	
1	3/1/93	6	1		75.02	N	
1	3/1/93	7	1		75.02	N	
1	3/1/93	8	1		76.1	N	
1	3/1/93	9	1		69.62	N	
1	3/1/93	10	1		68.9	N	
1	3/1/93	11	1		69.98	N	
1	3/1/93	12	1		69.8	N	
1	3/1/93	13	1		70.7	N	
1	3/1/93	14	1		71.42	N	
1	3/8/93	1	1		94.28	Y	TMACS
1	3/8/93	2	1		91.76	N	
1	3/8/93	3	1		79.88	N	
1	3/8/93	4	1		77.18	N	
1	3/8/93	5	1		76.28	N	
1	3/8/93	6	1		76.64	N	
1	3/8/93	7	1		76.82	N	
1	3/8/93	8	1		77.54	N	
1	3/8/93	9	1		70.88	N	
1	3/8/93	10	1		70.16	N	
1	3/8/93	11	1		71.06	N	
1	3/8/93	12	1		71.42	N	
1	3/8/93	13	1		71.96	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/8/93	14	1		72.68	N	
1	3/15/93	1	1		95.18	Y	TMACS
1	3/15/93	2	1		92.84	N	
1	3/15/93	3	1		80.78	N	
1	3/15/93	4	1		78.08	N	
1	3/15/93	5	1		77.36	N	
1	3/15/93	6	1		77.54	N	
1	3/15/93	7	1		78.08	N	
1	3/15/93	8	1		78.62	N	
1	3/15/93	9	1		72.86	N	
1	3/15/93	10	1		72.14	N	
1	3/15/93	11	1		72.86	N	
1	3/15/93	12	1		72.86	N	
1	3/15/93	13	1		73.76	N	
1	3/15/93	14	1		74.48	N	
1	3/22/93	1	1		94.64	Y	TMACS
1	3/22/93	2	1		92.3	N	
1	3/22/93	3	1		80.24	N	
1	3/22/93	4	1		77.36	N	
1	3/22/93	5	1		76.64	N	
1	3/22/93	6	1		76.82	N	
1	3/22/93	7	1		77.18	N	
1	3/22/93	8	1		78.08	N	
1	3/22/93	9	1		71.6	N	
1	3/22/93	10	1		70.88	N	
1	3/22/93	11	1		71.6	N	
1	3/22/93	12	1		71.78	N	
1	3/22/93	13	1		72.5	N	
1	3/22/93	14	1		73.22	N	
1	3/29/93	1	1		94.28	Y	TMACS
1	3/29/93	2	1		91.94	N	
1	3/29/93	3	1		79.7	N	
1	3/29/93	4	1		77.18	N	
1	3/29/93	5	1		76.46	N	
1	3/29/93	6	1		76.64	N	
1	3/29/93	7	1		77	N	
1	3/29/93	8	1		77.72	N	
1	3/29/93	9	1		70.88	N	
1	3/29/93	10	1		70.52	N	
1	3/29/93	11	1		71.24	N	
1	3/29/93	12	1		71.42	N	
1	3/29/93	13	1		71.96	N	
1	3/29/93	14	1		72.86	N	
1	4/5/93	1	1		94.64	Y	TMACS
1	4/5/93	2	1		91.94	N	
1	4/5/93	3	1		79.88	N	
1	4/5/93	4	1		77.36	N	
1	4/5/93	5	1		76.64	N	
1	4/5/93	6	1		76.82	N	
1	4/5/93	7	1		77.18	N	
1	4/5/93	8	1		77.72	N	
1	4/5/93	9	1		71.24	N	
1	4/5/93	10	1		70.7	N	
1	4/5/93	11	1		71.6	N	
1	4/5/93	12	1		71.6	N	
1	4/5/93	13	1		72.5	N	
1	4/5/93	14	1		73.04	N	
1	4/12/93	1	1		94.64	Y	TMAC
1	4/12/93	2	1		90.68	N	
1	4/12/93	3	1		80.24	N	
1	4/12/93	4	1		77.54	N	
1	4/12/93	5	1		76.64	N	
1	4/12/93	6	1		76.82	N	
1	4/12/93	7	1		77.54	N	
1	4/12/93	8	1		77.72	N	
1	4/12/93	9	1		71.42	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	4/12/93	10	1		71.06	N	
1	4/12/93	11	1		71.6	N	
1	4/12/93	12	1		71.96	N	
1	4/12/93	13	1		72.32	N	
1	4/12/93	14	1		73.22	N	
1	4/19/93	1	1		94.64	Y	TMACS
1	4/19/93	2	1		91.04	N	
1	4/19/93	3	1		80.24	N	
1	4/19/93	4	1		77.9	N	
1	4/19/93	5	1		76.82	N	
1	4/19/93	6	1		77	N	
1	4/19/93	7	1		77.54	N	
1	4/19/93	8	1		77.9	N	
1	4/19/93	9	1		71.6	N	
1	4/19/93	10	1		71.24	N	
1	4/19/93	11	1		71.96	N	
1	4/19/93	12	1		71.96	N	
1	4/19/93	13	1		72.68	N	
1	4/19/93	14	1		73.4	N	
1	4/25/93	1	1		94.82	Y	TMACS
1	4/25/93	2	1		91.94	N	
1	4/25/93	3	1		80.6	N	
1	4/25/93	4	1		78.08	N	
1	4/25/93	5	1		77.18	N	
1	4/25/93	6	1		77.36	N	
1	4/25/93	7	1		77.9	N	
1	4/25/93	8	1		78.62	N	
1	4/25/93	9	1		72.14	N	
1	4/25/93	10	1		71.6	N	
1	4/25/93	11	1		72.14	N	
1	4/25/93	12	1		72.5	N	
1	4/25/93	13	1		73.22	N	
1	4/25/93	14	1		73.76	N	
1	5/3/93	1	1		94.28	Y	TMACS
1	5/3/93	2	1		91.76	N	
1	5/3/93	3	1		80.06	N	
1	5/3/93	4	1		77.54	N	
1	5/3/93	5	1		77	N	
1	5/3/93	6	1		77.18	N	
1	5/3/93	7	1		77.54	N	
1	5/3/93	8	1		78.08	N	
1	5/3/93	9	1		71.96	N	
1	5/3/93	10	1		71.6	N	
1	5/3/93	11	1		72.32	N	
1	5/3/93	12	1		72.5	N	
1	5/3/93	13	1		73.04	N	
1	5/3/93	14	1		73.76	N	
1	5/10/93	1	1		94.82	Y	TMACS
1	5/10/93	2	1		92.3	N	
1	5/10/93	3	1		81.14	N	
1	5/10/93	4	1		78.26	N	
1	5/10/93	5	1		77.54	N	
1	5/10/93	6	1		77.9	N	
1	5/10/93	7	1		78.44	N	
1	5/10/93	8	1		78.98	N	
1	5/10/93	9	1		72.68	N	
1	5/10/93	10	1		72.14	N	
1	5/10/93	11	1		72.86	N	
1	5/10/93	12	1		73.04	N	
1	5/10/93	13	1		73.76	N	
1	5/10/93	14	1		74.3	N	
1	5/17/93	1	1		95.54	Y	TMACS
1	5/17/93	2	1		93.2	N	
1	5/17/93	3	1		81.68	N	
1	5/17/93	4	1		79.34	N	
1	5/17/93	5	1		78.62	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	5/17/93	6	1		78.8	N	
1	5/17/93	7	1		79.34	N	
1	5/17/93	8	1		79.7	N	
1	5/17/93	9	1		74.3	N	
1	5/17/93	10	1		73.58	N	
1	5/17/93	11	1		74.3	N	
1	5/17/93	12	1		74.66	N	
1	5/17/93	13	1		75.38	N	
1	5/17/93	14	1		75.92	N	
1	5/24/93	1	1		95	Y	TMACS
1	5/24/93	2	1		92.66	N	
1	5/24/93	3	1		81.68	N	
1	5/24/93	4	1		79.16	N	
1	5/24/93	5	1		78.62	N	
1	5/24/93	6	1		78.44	N	
1	5/24/93	7	1		79.16	N	
1	5/24/93	8	1		79.88	N	
1	5/24/93	9	1		73.94	N	
1	5/24/93	10	1		73.22	N	
1	5/24/93	11	1		73.76	N	
1	5/24/93	12	1		74.3	N	
1	5/24/93	13	1		74.66	N	
1	5/24/93	14	1		75.38	N	
1	5/31/93	1	1		95.54	Y	
1	5/31/93	2	1		92.66	N	
1	5/31/93	3	1		82.22	N	
1	5/31/93	4	1		79.88	N	
1	5/31/93	5	1		79.16	N	
1	5/31/93	6	1		79.34	N	
1	5/31/93	7	1		79.88	N	
1	5/31/93	8	1		80.42	N	
1	5/31/93	9	1		74.84	N	
1	5/31/93	10	1		73.94	N	
1	5/31/93	11	1		74.48	N	
1	5/31/93	12	1		74.84	N	
1	5/31/93	13	1		75.56	N	
1	5/31/93	14	1		76.1	N	
1	6/7/93	1	1		95.54	Y	TMACS
1	6/7/93	2	1		92.66	N	
1	6/7/93	3	1		82.58	N	
1	6/7/93	4	1		79.88	N	
1	6/7/93	5	1		79.34	N	
1	6/7/93	6	1		79.7	N	
1	6/7/93	7	1		80.06	N	
1	6/7/93	8	1		80.78	N	
1	6/7/93	9	1		75.02	N	
1	6/7/93	10	1		74.3	N	
1	6/7/93	11	1		74.84	N	
1	6/7/93	12	1		75.2	N	
1	6/7/93	13	1		75.56	N	
1	6/7/93	14	1		76.2	N	
1	6/14/93	1	1		95.54	Y	TMACS
1	6/14/93	2	1		92.84	N	
1	6/14/93	3	1		82.76	N	
1	6/14/93	4	1		80.24	N	
1	6/14/93	5	1		79.52	N	
1	6/14/93	6	1		79.88	N	
1	6/14/93	7	1		80.6	N	
1	6/14/93	8	1		80.6	N	
1	6/14/93	9	1		75.92	N	
1	6/14/93	10	1		75.2	N	
1	6/14/93	11	1		75.92	N	
1	6/14/93	12	1		76.1	N	
1	6/14/93	13	1		76.64	N	
1	6/14/93	14	1		77.36	N	
1	6/21/93	1	1		95.9	Y	TMACS

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	6/21/93	2	1		93.74	N	
1	6/21/93	3	1		83.66	N	
1	6/21/93	4	1		81.32	N	
1	6/21/93	5	1		80.96	N	
1	6/21/93	6	1		80.96	N	
1	6/21/93	7	1		81.5	N	
1	6/21/93	8	1		82.22	N	
1	6/21/93	9	1		76.64	N	
1	6/21/93	10	1		75.92	N	
1	6/21/93	11	1		76.46	N	
1	6/21/93	12	1		76.82	N	
1	6/21/93	13	1		77.36	N	
1	6/21/93	14	1		78.08	N	
1	6/28/93	1	1		94.82	Y	TMACS
1	6/28/93	2	1		92.3	N	
1	6/28/93	3	1		83.12	N	
1	6/28/93	4	1		80.42	N	
1	6/28/93	5	1		79.88	N	
1	6/28/93	6	1		80.06	N	
1	6/28/93	7	1		80.78	N	
1	6/28/93	8	1		81.14	N	
1	6/28/93	9	1		75.92	N	
1	6/28/93	10	1		75.02	N	
1	6/28/93	11	1		75.74	N	
1	6/28/93	12	1		75.74	N	
1	6/28/93	13	1		76.64	N	
1	6/28/93	14	1		77.36	N	
1	7/5/93	1	1		95	Y	TMACS
1	7/5/93	2	1		92.48	N	
1	7/5/93	3	1		83.12	N	
1	7/5/93	4	1		80.78	N	
1	7/5/93	5	1		80.24	N	
1	7/5/93	6	1		80.42	N	
1	7/5/93	7	1		80.96	N	
1	7/5/93	8	1		81.86	N	
1	7/5/93	9	1		77	N	
1	7/5/93	10	1		75.92	N	
1	7/5/93	11	1		76.64	N	
1	7/5/93	12	1		76.82	N	
1	7/5/93	13	1		77.54	N	
1	7/5/93	14	1		78.26	N	
1	7/12/93	1	1		94.64	Y	TMACS
1	7/12/93	2	1		92.12	N	
1	7/12/93	3	1		83.12	N	
1	7/12/93	4	1		80.78	N	
1	7/12/93	5	1		80.42	N	
1	7/12/93	6	1		80.78	N	
1	7/12/93	7	1		80.96	N	
1	7/12/93	8	1		81.68	N	
1	7/12/93	9	1		77.18	N	
1	7/12/93	10	1		76.28	N	
1	7/12/93	11	1		76.82	N	
1	7/12/93	12	1		76.82	N	
1	7/12/93	13	1		77.72	N	
1	7/12/93	14	1		78.44	N	
1	7/19/93	1	1		95	Y	TMACS
1	7/19/93	2	1		92.66	N	
1	7/19/93	3	1		83.84	N	
1	7/19/93	4	1		81.5	N	
1	7/19/93	5	1		81.14	N	
1	7/19/93	6	1		81.14	N	
1	7/19/93	7	1		81.68	N	
1	7/19/93	8	1		82.58	N	
1	7/19/93	9	1		77.36	N	
1	7/19/93	10	1		76.46	N	
1	7/19/93	11	1		77	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107 THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	7/19/93	12	1		77.18	N	
1	7/19/93	13	1		77.72	N	
1	7/19/93	14	1		78.62	N	
1	7/26/93	1	1		95.18	Y	TMACS
1	7/26/93	2	1		93.02	N	
1	7/26/93	3	1		84.02	N	
1	7/26/93	4	1		82.04	N	
1	7/26/93	5	1		81.5	N	
1	7/26/93	6	1		81.68	N	
1	7/26/93	7	1		82.22	N	
1	7/26/93	8	1		83.12	N	
1	7/26/93	9	1		78.44	N	
1	7/26/93	10	1		77.54	N	
1	7/26/93	11	1		78.08	N	
1	7/26/93	12	1		78.26	N	
1	7/26/93	13	1		78.8	N	
1	7/26/93	14	1		79.7	N	
1	8/2/93	1	1		95.54	Y	TMACS
1	8/2/93	2	1		93.2	N	
1	8/2/93	3	1		84.74	N	
1	8/2/93	4	1		82.58	N	
1	8/2/93	5	1		82.22	N	
1	8/2/93	6	1		82.22	N	
1	8/2/93	7	1		83.12	N	
1	8/2/93	8	1		83.48	N	
1	8/2/93	9	1		78.98	N	
1	8/2/93	10	1		78.08	N	
1	8/2/93	11	1		78.8	N	
1	8/2/93	12	1		78.8	N	
1	8/2/93	13	1		79.7	N	
1	8/2/93	14	1		80.42	N	
1	8/9/93	1	1		95.54	Y	TMACS
1	8/9/93	2	1		93.56	N	
1	8/9/93	3	1		84.92	N	
1	8/9/93	4	1		82.58	N	
1	8/9/93	5	1		82.76	N	
1	8/9/93	6	1		82.76	N	
1	8/9/93	7	1		83.48	N	
1	8/9/93	8	1		84.38	N	
1	8/9/93	9	1		78.62	N	
1	8/9/93	10	1		77.72	N	
1	8/9/93	11	1		78.62	N	
1	8/9/93	12	1		78.8	N	
1	8/9/93	13	1		79.52	N	
1	8/9/93	14	1		80.42	N	
1	8/15/93	1	1		95.18	Y	tmacs
1	8/15/93	2	1		93.56	N	
1	8/15/93	3	1		84.74	N	
1	8/15/93	4	1		82.76	N	
1	8/15/93	5	1		82.58	N	
1	8/15/93	6	1		82.58	N	
1	8/15/93	7	1		83.12	N	
1	8/15/93	8	1		84.02	N	
1	8/15/93	9	1		79.34	N	
1	8/15/93	10	1		78.44	N	
1	8/15/93	11	1		78.98	N	
1	8/15/93	12	1		79.16	N	
1	8/15/93	13	1		79.7	N	
1	8/15/93	14	1		80.6	N	
1	8/23/93	1	1		96.44	Y	TMACS
1	8/23/93	2	1		94.46	N	
1	8/23/93	3	1		86.18	N	
1	8/23/93	4	1		84.2	N	
1	8/23/93	5	1		83.66	N	
1	8/23/93	6	1		83.84	N	
1	8/23/93	7	1		84.56	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/23/93	8	1		84.92	N	
1	8/23/93	9	1		80.42	N	
1	8/23/93	10	1		79.52	N	
1	8/23/93	11	1		80.06	N	
1	8/23/93	12	1		80.24	N	
1	8/23/93	13	1		80.96	N	
1	8/23/93	14	1		81.5	N	
1	8/26/93	1	1		97	Y	J TYPE
1	8/26/93	2	1		95.2	N	
1	8/26/93	3	1		86.7	N	
1	8/26/93	4	1		84.7	N	
1	8/26/93	5	1		84.2	N	
1	8/26/93	6	1		84.4	N	
1	8/26/93	7	1		84.9	N	
1	8/26/93	8	1		85.3	N	
1	8/26/93	9	1		80.6	N	
1	8/26/93	10	1		80.1	N	
1	8/26/93	11	1		80.6	N	
1	8/26/93	12	1		80.8	N	
1	8/26/93	13	1		81.5	N	
1	8/26/93	14	1		81.9	N	
1	8/30/93	1	1		95.36	Y	TMACS
1	8/30/93	2	1		93.38	N	
1	8/30/93	3	1		85.1	N	
1	8/30/93	4	1		83.12	N	
1	8/30/93	5	1		82.94	N	
1	8/30/93	6	1		83.12	N	
1	8/30/93	7	1		83.48	N	
1	8/30/93	8	1		84.02	N	
1	8/30/93	9	1		78.98	N	
1	8/30/93	10	1		78.26	N	
1	8/30/93	11	1		78.98	N	
1	8/30/93	12	1		78.8	N	
1	8/30/93	13	1		79.7	N	
1	8/30/93	14	1		80.42	N	
1	9/6/93	1	1		95.72	Y	TMACS
1	9/6/93	2	1		94.1	N	
1	9/6/93	3	1		86	N	
1	9/6/93	4	1		83.66	N	
1	9/6/93	5	1		83.66	N	
1	9/6/93	6	1		83.66	N	
1	9/6/93	7	1		84.2	N	
1	9/6/93	8	1		84.74	N	
1	9/6/93	9	1		80.42	N	
1	9/6/93	10	1		79.7	N	
1	9/6/93	11	1		80.24	N	
1	9/6/93	12	1		80.42	N	
1	9/6/93	13	1		81.14	N	
1	9/6/93	14	1		81.86	N	
1	9/12/93	1	1		95.18	Y	TMACS
1	9/12/93	2	1		93.2	N	
1	9/12/93	3	1		85.28	N	
1	9/12/93	4	1		83.3	N	
1	9/12/93	5	1		82.94	N	
1	9/12/93	6	1		83.12	N	
1	9/12/93	7	1		83.66	N	
1	9/12/93	8	1		84.56	N	
1	9/12/93	9	1		78.98	N	
1	9/12/93	10	1		78.26	N	
1	9/12/93	11	1		79.34	N	
1	9/12/93	12	1		78.98	N	
1	9/12/93	13	1		79.7	N	
1	9/12/93	14	1		80.78	N	
1	9/19/93	1	1		95.18	Y	TMACS
1	9/19/93	2	1		93.2	N	
1	9/19/93	3	1		85.64	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	9/19/93	4	1		83.66	N	
1	9/19/93	5	1		83.12	N	
1	9/19/93	6	1		83.3	N	
1	9/19/93	7	1		83.84	N	
1	9/19/93	8	1		84.38	N	
1	9/19/93	9	1		79.52	N	
1	9/19/93	10	1		78.62	N	
1	9/19/93	11	1		79.34	N	
1	9/19/93	12	1		79.52	N	
1	9/19/93	13	1		80.24	N	
1	9/19/93	14	1		80.96	N	
1	9/26/93	1	1		95.18	Y	TMACS
1	9/26/93	2	1		93.38	N	
1	9/26/93	3	1		85.64	N	
1	9/26/93	4	1		83.48	N	
1	9/26/93	5	1		83.48	N	
1	9/26/93	6	1		83.3	N	
1	9/26/93	7	1		84.2	N	
1	9/26/93	8	1		84.92	N	
1	9/26/93	9	1		79.52	N	
1	9/26/93	10	1		78.98	N	
1	9/26/93	11	1		79.52	N	
1	9/26/93	12	1		79.52	N	
1	9/26/93	13	1		80.42	N	
1	9/26/93	14	1		81.32	N	
1	10/3/93	1	1		95.9	Y	TMACS
1	10/3/93	2	1		94.1	N	
1	10/3/93	3	1		86.36	N	
1	10/3/93	4	1		84.2	N	
1	10/3/93	5	1		84.02	N	
1	10/3/93	6	1		84.2	N	
1	10/3/93	7	1		84.56	N	
1	10/3/93	8	1		85.46	N	
1	10/3/93	9	1		79.88	N	
1	10/3/93	10	1		79.52	N	
1	10/3/93	11	1		80.06	N	
1	10/3/93	12	1		80.06	N	
1	10/3/93	13	1		80.78	N	
1	10/3/93	14	1		81.5	N	
1	10/10/93	1	1		95	Y	TMACS
1	10/10/93	2	1		93.2	N	
1	10/10/93	3	1		85.28	N	
1	10/10/93	4	1		83.66	N	
1	10/10/93	5	1		83.12	N	
1	10/10/93	6	1		83.3	N	
1	10/10/93	7	1		84.02	N	
1	10/10/93	8	1		84.56	N	
1	10/10/93	9	1		79.34	N	
1	10/10/93	10	1		78.8	N	
1	10/10/93	11	1		79.52	N	
1	10/10/93	12	1		79.52	N	
1	10/10/93	13	1		80.24	N	
1	10/10/93	14	1		80.96	N	
1	10/19/93	1	1		95.4	Y	TMACS
1	10/19/93	2	1		93.4	N	
1	10/19/93	3	1		85.8	N	
1	10/19/93	4	1		83.7	N	
1	10/19/93	5	1		83.3	N	
1	10/19/93	6	1		83.3	N	
1	10/19/93	7	1		84	N	
1	10/19/93	8	1		84.7	N	
1	10/19/93	9	1		79.5	N	
1	10/19/93	10	1		78.8	N	
1	10/19/93	11	1		79.5	N	
1	10/19/93	12	1		79.5	N	
1	10/19/93	13	1		80.4	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-107							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	10/19/93	14	1		81.1	N	
1	10/25/93	1	1		95	Y	TMACS
1	10/25/93	2	1		93.2	N	
1	10/25/93	3	1		84.92	N	
1	10/25/93	4	1		83.12	N	
1	10/25/93	5	1		83.12	N	
1	10/25/93	6	1		82.94	N	
1	10/25/93	7	1		83.48	N	
1	10/25/93	8	1		84.52	N	
1	10/25/93	9	1		79.16	N	
1	10/25/93	10	1		78.26	N	
1	10/25/93	11	1		79.34	N	
1	10/25/93	12	1		78.98	N	
1	10/25/93	13	1		79.88	N	
1	10/25/93	14	1		80.78	N	
1	11/1/93	1	1		94.82	Y	TMACS
1	11/1/93	2	1		93.02	N	
1	11/1/93	3	1		84.74	N	
1	11/1/93	4	1		83.12	N	
1	11/1/93	5	1		82.58	N	
1	11/1/93	6	1		82.76	N	
1	11/1/93	7	1		83.3	N	
1	11/1/93	8	1		84.02	N	
1	11/1/93	9	1		78.62	N	
1	11/1/93	10	1		77.72	N	
1	11/1/93	11	1		78.62	N	
1	11/1/93	12	1		78.62	N	
1	11/1/93	13	1		79.34	N	
1	11/1/93	14	1		80.06	N	
1	11/8/93	1	1		93.74	Y	TMACS
1	11/8/93	2	1		91.76	N	
1	11/8/93	3	1		83.3	N	
1	11/8/93	4	1		81.68	N	
1	11/8/93	5	1		81.32	N	
1	11/8/93	6	1		81.5	N	
1	11/8/93	7	1		81.68	N	
1	11/8/93	8	1		82.76	N	
1	11/8/93	9	1		77.18	N	
1	11/8/93	10	1		76.64	N	
1	11/8/93	11	1		77.54	N	
1	11/8/93	12	1		77.18	N	
1	11/8/93	13	1		78.08	N	
1	11/8/93	14	1		78.8	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	9/12/74	1	1	60	140	Y	degree C/TWINS confirm
1	9/12/74	2	1	54	129.2	N	degree C/TWINS confirm
1	9/12/74	3	1	48	118.4	N	degree C/TWINS confirm
1	9/12/74	4	1	40	104	N	degree C/TWINS confirm
1	9/12/74	5	1	36	96.8	N	degree C/TWINS confirm
1	9/12/74	6	1	36	96.8	N	degree C/TWINS confirm
1	9/12/74	7	1	36	96.8	N	degree C/TWINS confirm
1	9/12/74	8	1	36	96.8	N	degree C/TWINS confirm
1	9/12/74	9	1	36	96.8	N	degree C/TWINS confirm
1	9/12/74	10	1	36	96.8	N	degree C/TWINS confirm
1	9/12/74	11	1	36	96.8	N	degree C/TWINS confirm
1	9/12/74	12	1	36	96.8	N	degree C/TWINS confirm
1	10/8/74	1	1	60	140	Y	degree C/TWINS confirm
1	10/8/74	2	1	54	129.2	N	degree C/TWINS confirm
1	10/8/74	3	1	47	116.6	N	degree C/TWINS confirm
1	10/8/74	4	1	42	107.6	N	degree C/TWINS confirm
1	10/8/74	5	1	36	96.8	N	degree C/TWINS confirm
1	10/8/74	6	1	36	96.8	N	degree C/TWINS confirm
1	10/8/74	7	1	36	96.8	N	degree C/TWINS confirm
1	10/8/74	8	1	36	96.8	N	degree C/TWINS confirm
1	10/8/74	9	1	36	96.8	N	degree C/TWINS confirm
1	10/8/74	10	1	36	96.8	N	degree C/TWINS confirm
1	10/8/74	11	1	36	96.8	N	degree C/TWINS confirm
1	10/8/74	12	1	36	96.8	N	degree C/TWINS confirm
1	11/12/74	1	1	58	136.4	Y	degree C/TWINS confirm
1	11/12/74	2	1	51	123.8	N	degree C/TWINS confirm
1	11/12/74	3	1	44	111.2	N	degree C/TWINS confirm
1	11/12/74	4	1	37	98.6	N	degree C/TWINS confirm
1	11/12/74	5	1	32	89.6	N	degree C/TWINS confirm
1	11/12/74	6	1	30	86	N	degree C/TWINS confirm
1	11/12/74	7	1	30	86	N	degree C/TWINS confirm
1	11/12/74	8	1	30	86	N	degree C/TWINS confirm
1	11/12/74	9	1	30	86	N	degree C/TWINS confirm
1	11/12/74	10	1	30	86	N	degree C/TWINS confirm
1	11/12/74	11	1	30	86	N	degree C/TWINS confirm
1	11/12/74	12	1	30	86	N	degree C/TWINS confirm
1	12/17/74	1	1	60	140	Y	degree C/TWINS confirm
1	12/17/74	2	1	55.56	132.008	N	degree C/TWINS confirm
1	12/17/74	3	1	47.22	116.996	N	degree C/TWINS confirm
1	12/17/74	4	1	40	104	N	degree C/TWINS confirm
1	12/17/74	5	1	33.33	91.994	N	degree C/TWINS confirm
1	12/17/74	8	1	32.22	89.996	N	degree C/TWINS confirm
1	12/17/74	9	1	33.33	91.994	N	degree C/TWINS confirm
1	12/17/74	10	1	33.33	91.994	N	degree C/TWINS confirm
1	12/17/74	11	1	33.33	91.994	N	degree C/TWINS confirm
1	12/17/74	12	1	33.33	91.994	N	degree C/TWINS confirm
1	12/31/74	1	1	55	131	Y	degree C/TWINS confirm
1	12/31/74	2	1	47.78	118.004	N	degree C/TWINS confirm
1	12/31/74	3	1	41.11	105.998	N	degree C/TWINS confirm
1	12/31/74	4	1	33.89	93.002	N	degree C/TWINS confirm
1	12/31/74	5	1	32.78	91.004	N	degree C/TWINS confirm
1	12/31/74	6	1	32.78	91.004	N	degree C/TWINS confirm
1	12/31/74	7	1	32.78	91.004	N	degree C/TWINS confirm
1	12/31/74	8	1	32.78	91.004	N	degree C/TWINS confirm
1	12/31/74	9	1	32.78	91.004	N	degree C/TWINS confirm
1	1/8/75	1	1	53.33	127.994	Y	degree C/TWINS confirm
1	1/8/75	2	1	45.56	114.008	N	degree C/TWINS confirm
1	1/8/75	3	1	38.33	100.994	N	degree C/TWINS confirm
1	1/8/75	4	1	31.67	89.006	N	degree C/TWINS confirm
1	1/8/75	5	1	31.11	87.998	N	degree C/TWINS confirm
1	1/8/75	6	1	31.11	87.998	N	degree C/TWINS confirm
1	1/8/75	7	1	31.11	87.998	N	degree C/TWINS confirm
1	1/8/75	8	1	31.11	87.998	N	degree C/TWINS confirm
1	1/8/75	9	1	31.11	87.998	N	degree C/TWINS confirm
1	1/28/75	1	1	56	132.8	Y	degree C/TWINS confirm
1	1/28/75	2	1	49	120.2	N	degree C/TWINS confirm

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/28/75	3	1	42	107.6	N	degree C/TWINS confirm
1	1/28/75	4	1	34	93.2	N	degree C/TWINS confirm
1	1/28/75	5	1	33	91.4	N	degree C/TWINS confirm
1	1/28/75	6	1	33	91.4	N	degree C/TWINS confirm
1	1/28/75	7	1	33	91.4	N	degree C/TWINS confirm
1	1/28/75	8	1	33	91.4	N	degree C/TWINS confirm
1	1/28/75	9	1	33	91.4	N	degree C/TWINS confirm
1	2/27/75	1	1	50	122	Y	degree C/TWINS confirm
1	2/27/75	2	1	47	116.6	N	degree C/TWINS confirm
1	2/27/75	3	1	40	104	N	degree C/TWINS confirm
1	2/27/75	4	1	32	89.6	N	degree C/TWINS confirm
1	2/27/75	5	1	32	89.6	N	degree C/TWINS confirm
1	2/27/75	6	1	32	89.6	N	degree C/TWINS confirm
1	2/27/75	7	1	32	89.6	N	degree C/TWINS confirm
1	2/27/75	8	1	32	89.6	N	degree C/TWINS confirm
1	2/27/75	9	1	32	89.6	N	degree C/TWINS confirm
1	2/27/75	10	1	32	89.6	N	degree C/TWINS confirm
1	2/27/75	11	1	32	89.6	N	degree C/TWINS confirm
1	2/27/75	12	1	32	89.6	N	degree C/TWINS confirm
1	3/18/75	1	1	62	143.6	Y	degree C/TWINS confirm
1	3/18/75	2	1	56	132.8	N	degree C/TWINS confirm
1	3/18/75	3	1	48	118.4	N	degree C/TWINS confirm
1	3/18/75	4	1	40	104	N	degree C/TWINS confirm
1	3/18/75	5	1	33	91.4	N	degree C/TWINS confirm
1	3/18/75	6	1	32	89.6	N	degree C/TWINS confirm
1	3/18/75	7	1	32	89.6	N	degree C/TWINS confirm
1	3/18/75	8	1	32	89.6	N	degree C/TWINS confirm
1	3/18/75	9	1	32	89.6	N	degree C/TWINS confirm
1	3/18/75	10	1	32	89.6	N	degree C/TWINS confirm
1	3/18/75	11	1	32	89.6	N	degree C/TWINS confirm
1	3/18/75	12	1	32	89.6	N	degree C/TWINS confirm
1	4/22/75	1	1	54	129.2	Y	degree C/TWINS confirm
1	4/22/75	2	1	45	113	N	degree C/TWINS confirm
1	4/22/75	3	1	38	100.4	N	degree C/TWINS confirm
1	4/22/75	4	1	30	86	N	degree C/TWINS confirm
1	4/22/75	5	1	29	84.2	N	degree C/TWINS confirm
1	4/22/75	6	1	28	82.4	N	degree C/TWINS confirm
1	4/22/75	7	1	28	82.4	N	degree C/TWINS confirm
1	4/22/75	8	1	28	82.4	N	degree C/TWINS confirm
1	4/22/75	9	1	28	82.4	N	degree C/TWINS confirm
1	4/29/75	1	1	55	131	Y	degree C/TWINS confirm
1	4/29/75	2	1	46	114.8	N	degree C/TWINS confirm
1	4/29/75	3	1	38	100.4	N	degree C/TWINS confirm
1	4/29/75	4	1	30	86	N	degree C/TWINS confirm
1	4/29/75	5	1	30	86	N	degree C/TWINS confirm
1	4/29/75	6	1	30	86	N	degree C/TWINS confirm
1	4/29/75	7	1	30	86	N	degree C/TWINS confirm
1	4/29/75	8	1	30	86	N	degree C/TWINS confirm
1	4/29/75	9	1	30	86	N	degree C/TWINS confirm
1	5/20/75	1	1	64	147.2	Y	degree C/TWINS confirm
1	5/20/75	2	1	57	134.6	N	degree C/TWINS confirm
1	5/20/75	3	1	50	122	N	degree C/TWINS confirm
1	5/20/75	4	1	42	107.6	N	degree C/TWINS confirm
1	5/20/75	5	1	36	96.8	N	degree C/TWINS confirm
1	5/20/75	6	1	34	93.2	N	degree C/TWINS confirm
1	5/20/75	7	1	34	93.2	N	degree C/TWINS confirm
1	5/20/75	8	1	34	93.2	N	degree C/TWINS confirm
1	5/20/75	9	1	35	95	N	degree C/TWINS confirm
1	5/20/75	10	1	35	95	N	degree C/TWINS confirm
1	5/20/75	11	1	35	95	N	degree C/TWINS confirm
1	5/20/75	12	1	35	95	N	degree C/TWINS confirm
1	6/17/75	1	1		130	Y	
1	6/17/75	2	1		117	N	
1	6/17/75	3	1		104	N	
1	6/17/75	4	1		93	N	
1	6/17/75	5	1		91	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	6/17/75	6	1		91	N	
1	6/17/75	7	1		91	N	
1	6/17/75	8	1		91	N	
1	6/17/75	9	1		91	N	
1	7/28/75	1	1		143	Y	
1	7/28/75	2	1		132	N	
1	7/28/75	3	1		120	N	
1	7/28/75	4	1		108	N	
1	7/28/75	5	1		94	N	
1	7/28/75	6	1		97	N	
1	7/28/75	7	1		97	N	
1	7/28/75	8	1		97	N	
1	7/28/75	9	1		97	N	
1	7/28/75	10	1		97	N	
1	8/26/75	1	1		131	Y	
1	8/26/75	2	1		118	N	
1	8/26/75	3	1		106	N	
1	8/26/75	4	1		97	N	
1	8/26/75	5	1		97	N	
1	8/26/75	6	1		97	N	
1	8/26/75	7	1		97	N	
1	8/26/75	8	1		97	N	
1	8/26/75	9	1		98	N	
1	3/4/76	1	1		134	Y	
1	3/4/76	2	1		120	N	
1	3/4/76	3	1		106	N	
1	3/4/76	4	1		92	N	
1	3/4/76	5	1		90	N	
1	3/4/76	6	1		90	N	
1	3/4/76	7	1		90	N	
1	3/4/76	8	1		90	N	
1	3/4/76	9	1		90	N	
1	5/7/76	1	1		127	Y	
1	5/7/76	2	1		112	N	
1	5/7/76	3	1		99	N	
1	5/7/76	4	1		86	N	
1	5/7/76	5	1		85	N	
1	5/7/76	6	1		85	N	
1	5/7/76	7	1		86	N	
1	5/7/76	8	1		86	N	
1	5/7/76	9	1		87	N	
1	6/9/76	1	1		139	Y	
1	6/9/76	2	1		128	N	
1	6/9/76	3	1		114	N	
1	6/9/76	4	1		102	N	
1	6/9/76	5	1		90	N	
1	6/9/76	6	1		89	N	
1	6/9/76	7	1		89	N	
1	6/9/76	8	1		89	N	
1	6/9/76	9	1		89	N	
1	6/9/76	10	1		90	N	
1	7/7/76	1	1		135	Y	
1	7/7/76	2	1		123	N	
1	7/7/76	3	1		110	N	
1	7/7/76	4	1		99	N	
1	7/7/76	5	1		87	N	
1	7/7/76	6	1		87	N	
1	7/7/76	7	1		87	N	
1	7/7/76	8	1		87	N	
1	7/7/76	9	1		87	N	
1	7/7/76	10	1		89	N	
1	8/14/76	1	1		116	Y	
1	8/14/76	2	1		103	N	
1	8/14/76	3	1		93	N	
1	8/14/76	4	1		82	N	
1	8/14/76	5	1		82	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/14/76	6	1		82	N	
1	8/14/76	7	1		82	N	
1	8/14/76	8	1		82	N	
1	8/14/76	9	1		82	N	
1	8/28/76	1	1		93	N	
1	8/28/76	2	1		110	Y	
1	8/28/76	3	1		100	N	
1	8/28/76	4	1		90	N	
1	8/28/76	5	1		89	N	
1	8/28/76	6	1		89	N	
1	8/28/76	7	1		90	N	
1	8/28/76	8	1		90	N	
1	8/28/76	9	1		90	N	
1	9/13/76	1	1		105	N	
1	9/13/76	2	1		110	Y	
1	9/13/76	3	1		101	N	
1	9/13/76	4	1		89	N	
1	9/13/76	5	1		89	N	
1	9/13/76	6	1		89	N	
1	9/13/76	7	1		89	N	
1	9/13/76	8	1		89	N	
1	9/13/76	9	1		90	N	
1	11/7/76	1	1		137	Y	
1	11/7/76	2	1		123	N	
1	11/7/76	3	1		111	N	
1	11/7/76	4	1		99	N	
1	11/7/76	5	1		85	N	
1	11/7/76	6	1		82	N	
1	11/7/76	7	1		84	N	
1	11/7/76	8	1		84	N	
1	11/7/76	9	1		84	N	
1	11/7/76	10	1		83	N	
1	12/9/76	1	1		154	Y	
1	12/9/76	2	1		142	N	
1	12/9/76	3	1		126	N	
1	12/9/76	4	1		119	N	
1	12/9/76	5	1		105	N	
1	12/9/76	6	1		103	N	
1	12/9/76	7	1		103	N	
1	12/9/76	8	1		103	N	
1	12/9/76	9	1		103	N	
1	12/9/76	10	1		103	N	
1	1/3/77	1	1		128	Y	
1	1/3/77	2	1		121	N	
1	1/3/77	3	1		107	N	
1	1/3/77	4	1		91	N	
1	1/3/77	5	1		93	N	
1	1/3/77	6	1		93	N	
1	1/3/77	7	1		93	N	
1	1/3/77	8	1		93	N	
1	1/3/77	9	1		93	N	
1	1/3/77	10	1		93	N	
1	2/26/77	1	1		110	Y	
1	2/26/77	2	1		95	N	
1	2/26/77	3	1		81	N	
1	2/26/77	4	1		79	N	
1	2/26/77	5	1		79	N	
1	2/26/77	6	1		79	N	
1	2/26/77	7	1		80	N	
1	2/26/77	8	1		80	N	
1	3/28/77	1	1		114	Y	
1	3/28/77	2	1		100	N	
1	3/28/77	3	1		86	N	
1	3/28/77	4	1		86	N	
1	3/28/77	5	1		86	N	
1	3/28/77	6	1		86	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/28/77	7	1		86	N	
1	3/28/77	8	1		86	N	
1	4/27/77	1	1		100	Y	
1	4/27/77	2	1		87	N	
1	4/27/77	3	1		74	N	
1	4/27/77	4	1		74	N	
1	4/27/77	5	1		75	N	
1	4/27/77	6	1		76	N	
1	4/27/77	7	1		76	N	
1	4/27/77	8	1		77	N	
1	6/30/77	1	1		110	Y	
1	6/30/77	2	1		99	N	
1	6/30/77	3	1		88	N	
1	6/30/77	4	1		87	N	
1	6/30/77	5	1		87	N	
1	6/30/77	6	1		87	N	
1	6/30/77	7	1		87	N	
1	6/30/77	8	1		87	N	
1	8/15/77	1	1		100	Y	
1	8/15/77	2	1		91	N	
1	8/15/77	3	1		82	N	
1	8/15/77	4	1		81	N	
1	8/15/77	5	1		81	N	
1	8/15/77	6	1		81	N	
1	8/15/77	7	1		80	N	
1	8/15/77	8	1		80	N	
1	9/12/77	1	1		95	Y	
1	9/12/77	2	1		85	N	
1	9/12/77	3	1		75	N	
1	9/12/77	4	1		75	N	
1	9/12/77	5	1		74	N	
1	9/12/77	6	1		74	N	
1	9/12/77	7	1		74	N	
1	9/12/77	8	1		74	N	
1	10/7/77	1	1		108	Y	
1	10/7/77	2	1		94	N	
1	10/7/77	3	1		81	N	
1	10/7/77	4	1		81	N	
1	10/7/77	5	1		82	N	
1	10/7/77	6	1		82	N	
1	10/7/77	7	1		83	N	
1	10/7/77	8	1		83	N	
1	12/7/77	1	1		108	Y	
1	12/7/77	2	1		94	N	
1	12/7/77	3	1		81	N	
1	12/7/77	4	1		81	N	
1	12/7/77	5	1		82	N	
1	12/7/77	6	1		82	N	
1	12/7/77	7	1		83	N	
1	12/7/77	8	1		83	N	
1	1/29/78	1	1		114	Y	
1	1/29/78	2	1		100	N	
1	1/29/78	3	1		86	N	
1	1/29/78	4	1		85	N	
1	1/29/78	6	1		85	N	
1	1/29/78	7	1		85	N	
1	1/29/78	8	1		85	N	
1	2/26/78	1	1		116	Y	
1	2/26/78	2	1		100	N	
1	2/26/78	3	1		86	N	
1	2/26/78	4	1		85	N	
1	2/26/78	5	1		86	N	
1	2/26/78	6	1		86	N	
1	2/26/78	7	1		86	N	
1	2/26/78	8	1		89	N	
1	3/26/78	1	1		98	Y	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/26/78	2	1		84	N	
1	3/26/78	3	1		71	N	
1	3/26/78	4	1		70	N	
1	3/26/78	5	1		70	N	
1	3/26/78	6	1		71	N	
1	3/26/78	7	1		71	N	
1	3/26/78	8	1		72	N	
1	4/23/78	1	1		106	Y	
1	4/23/78	2	1		92	N	
1	4/23/78	3	1		83	N	
1	4/23/78	4	1		81	N	
1	4/23/78	5	1		82	N	
1	4/23/78	6	1		82	N	
1	4/23/78	7	1		83	N	
1	4/23/78	8	1		84	N	
1	6/17/78	1	1		123	Y	
1	6/17/78	2	1		111	N	
1	6/17/78	3	1		98	N	
1	6/17/78	4	1		86	N	
1	6/17/78	5	1		86	N	
1	6/17/78	6	1		76	N	
1	6/17/78	7	1		75	N	
1	6/17/78	8	1		76	N	
1	6/17/78	9	1		76	N	
1	6/17/78	10	1		77	N	
1	7/16/78	1	1		85	Y	
1	7/16/78	2	1		75	N	
1	7/16/78	3	1		64	N	
1	7/16/78	4	1		62	N	
1	7/16/78	5	1		62	N	
1	7/16/78	6	1		62	N	
1	7/16/78	7	1		62	N	
1	7/16/78	8	1		61	N	
1	8/13/78	1	1		128	Y	
1	8/13/78	2	1		117	N	
1	8/13/78	3	1		105	N	
1	8/13/78	4	1		96	N	
1	8/13/78	5	1		87	N	
1	8/13/78	6	1		87	N	
1	8/13/78	7	1		87	N	
1	8/13/78	8	1		88	N	
1	8/13/78	9	1		88	N	
1	8/13/78	10	1		88	N	
1	9/12/78	1	1		132	Y	
1	9/12/78	2	1		122	N	
1	9/12/78	3	1		115	N	
1	9/12/78	4	1		101	N	
1	9/12/78	5	1		90	N	
1	9/12/78	6	1		90	N	
1	9/12/78	7	1		90	N	
1	9/12/78	8	1		90	N	
1	9/12/78	9	1		90	N	
1	9/12/78	10	1		90	N	
1	10/7/78	1	1		129	Y	
1	10/7/78	2	1		120	N	
1	10/7/78	3	1		108	N	
1	10/7/78	4	1		94	N	
1	10/7/78	5	1		89	N	
1	10/7/78	6	1		88	N	
1	10/7/78	7	1		88	N	
1	10/7/78	8	1		88	N	
1	10/7/78	9	1		88	N	
1	10/7/78	10	1		88	N	
1	10/7/78	11	1		88	N	
1	10/7/78	12	1		88	N	
1	1/3/79	1	1		112	Y	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/3/79	2	1		95	N	
1	1/3/79	3	1		85	N	
1	1/3/79	4	1		84	N	
1	1/3/79	5	1		87	N	
1	1/3/79	6	1		86	N	
1	1/3/79	7	1		84	N	
1	1/3/79	8	1		85	N	
1	4/22/79	1	1		96	Y	
1	4/22/79	2	1		81	N	
1	4/22/79	3	1		70	N	
1	4/22/79	4	1		69	N	
1	4/22/79	5	1		69	N	
1	4/22/79	6	1		69	N	
1	4/22/79	7	1		70	N	
1	4/22/79	8	1		70	N	
1	7/7/79	1	1		94	Y	
1	7/7/79	2	1		84	N	
1	7/7/79	3	1		78	N	
1	7/7/79	4	1		77	N	
1	7/7/79	5	1		78	N	
1	7/7/79	6	1		78	N	
1	7/7/79	7	1		78	N	
1	7/7/79	8	1		79	N	
1	7/25/79	1	1		98	Y	
1	7/25/79	2	1		88	N	
1	7/25/79	3	1		81	N	
1	7/25/79	4	1		80	N	
1	7/25/79	5	1		80	N	
1	7/25/79	6	1		80	N	
1	7/25/79	7	1		80	N	
1	7/25/79	8	1		80	N	
1	9/4/79	1	1		115	Y	
1	9/4/79	2	1		104	N	
1	9/4/79	3	1		92	N	
1	9/4/79	4	1		86	N	
1	9/4/79	5	1		79	N	
1	9/4/79	6	1		79	N	
1	9/4/79	7	1		80	N	
1	9/4/79	8	1		81	N	
1	9/4/79	9	1		82	N	
1	9/4/79	10	1		83	N	
1	11/15/79	1	1		148	Y	
1	11/15/79	2	1		139	N	
1	11/15/79	3	1		128	N	
1	11/15/79	4	1		120	N	
1	11/15/79	5	1		110	N	
1	11/15/79	6	1		110	N	
1	11/15/79	7	1		110	N	
1	11/15/79	8	1		110	N	
1	11/15/79	9	1		110	N	
1	11/15/79	10	1		110	N	
1	2/6/80	1	1		82	N	
1	2/6/80	2	1		100	Y	
1	2/6/80	3	1		93	N	
1	2/6/80	4	1		93	N	
1	2/6/80	5	1		93	N	
1	2/6/80	6	1		94	N	
1	2/6/80	7	1		94	N	
1	2/6/80	8	1		94	N	
1	5/12/80	1	1		77	N	
1	5/12/80	2	1		91	Y	
1	5/12/80	4	1		86	N	
1	5/12/80	5	1		85	N	
1	5/12/80	6	1		85	N	
1	5/12/80	7	1		85	N	
1	5/12/80	8	1		85	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/12/80	1	1		95	N	
1	11/12/80	2	1		105	Y	
1	11/12/80	3	1		101	N	
1	11/12/80	4	1		100	N	
1	11/12/80	5	1		101	N	
1	11/12/80	6	1		97	N	
1	11/12/80	7	1		101	N	
1	11/12/80	8	1		101	N	
1	12/1/80	1	1		117	Y	
1	12/1/80	2	1		106	N	
1	12/1/80	3	1		100	N	
1	12/1/80	4	1		100	N	
1	12/1/80	5	1		100	N	
1	12/1/80	6	1		100	N	
1	12/1/80	7	1		100	N	
1	12/1/80	8	1		100	N	
1	6/12/81	1	1		96	Y	
1	6/12/81	2	1		86	N	
1	6/12/81	4	1		82	N	
1	6/12/81	6	1		83	N	
1	6/12/81	7	1		82	N	
1	6/12/81	8	1		82	N	
1	11/11/81	1	1		72	Y	
1	11/11/81	2	1		63	N	
1	11/11/81	3	1		67	N	
1	11/11/81	4	1		67	N	
1	11/11/81	5	1		67	N	
1	11/11/81	6	1		67	N	
1	11/11/81	7	1		67	N	
1	11/11/81	8	1		66	N	
1	12/3/81	1	1			Y	49 - suspect data (low)
1	12/3/81	2	1			N	42 - suspect data (low)
1	12/3/81	4	1			N	39 - suspect data (low)
1	12/3/81	6	1			N	39 - suspect data (low)
1	12/3/81	7	1			N	40 - suspect data (low)
1	12/3/81	8	1			N	40 - suspect data (low)
1	1/14/82	1	1		105	Y	
1	1/14/82	2	1			N	905 - suspect data (high)
1	1/14/82	4	1		88	N	
1	1/14/82	5	1		85	N	
1	1/14/82	6	1		85	N	
1	1/14/82	7	1		85	N	
1	1/14/82	8	1		85	N	
1	1/14/82	9	1		85	N	
1	1/14/82	10	1		85	N	
1	1/14/82	11	1		85	N	
1	1/14/82	12	1		85	N	
1	1/14/82	13	1		85	N	
1	2/4/82	1	1		131	Y	
1	2/4/82	2	1		119	N	
1	2/4/82	3	1		115	N	
1	2/4/82	4	1		115	N	
1	2/4/82	6	1		115	N	
1	2/4/82	7	1		115	N	
1	2/4/82	8	1		114	N	
1	3/10/82	1	1		89	N	
1	3/10/82	2	1		80	N	
1	3/10/82	3	1		78	N	
1	3/10/82	4	1		116	Y	
1	3/10/82	5	1		78	N	
1	3/10/82	6	1		78	N	
1	3/10/82	7	1		62	N	
1	3/10/82	8	1		65	N	
1	3/10/82	9	1		65	N	
1	3/10/82	10	1		65	N	
1	3/10/82	11	1		65	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/10/82	12	1		65	N	
1	3/10/82	13	1		65	N	
1	10/14/83	1	1		118	Y	
1	10/14/83	2	1		94	N	
1	10/14/83	3	1		90	N	
1	10/14/83	6	1		90	N	
1	10/14/83	7	1		90	N	
1	10/14/83	8	1		90	N	
1	11/2/89	1	1		105.1	Y	No #'s on wires - No way to identify
1	11/2/89	3	1		93.6	N	
1	11/2/89	6	1		84.6	N	
1	11/2/89	7	1		84.3	N	
1	11/2/89	8	1		86.8	N	
1	11/4/89	1	1		84.2	N	No #'s on wires - No way to identify
1	11/4/89	2	1		104.3	Y	
1	11/4/89	3	1		81.1	N	
1	11/4/89	4	1		84.2	N	
1	11/10/89	1	1		82	N	
1	11/10/89	2	1		97.9	N	
1	11/10/89	3	1		82	N	
1	11/10/89	4	1		104.5	Y	
1	11/10/89	5	1		84.7	N	
1	11/10/89	6	1		83.4	N	
1	11/10/89	7	1		83	N	
1	11/10/89	8	1		80.2	N	
1	11/10/89	9	1		91.7	N	
1	11/10/89	10	1		82.4	N	
1	11/18/89	1	1		85.7	N	
1	11/18/89	2	1		101.9	N	
1	11/18/89	3	1		84.6	N	
1	11/18/89	4	1		111.7	Y	
1	11/18/89	5	1		88.8	N	
1	11/18/89	6	1		87.6	N	
1	11/18/89	7	1		87.1	N	
1	11/18/89	8	1		84.1	N	
1	11/18/89	9	1		95.6	N	
1	11/18/89	10	1		85.6	N	
1	11/25/89	1	1		84.7	N	
1	11/25/89	2	1		101.9	N	
1	11/25/89	3	1		83.9	N	
1	11/25/89	4	1		109.2	Y	
1	11/25/89	5	1		85.6	N	
1	11/25/89	6	1		84.9	N	
1	11/25/89	7	1		85.7	N	
1	11/25/89	8	1		82.7	N	
1	11/25/89	9	1		94.7	N	
1	11/25/89	10	1		84.9	N	
1	12/1/89	1	1		86.2	N	
1	12/1/89	2	1		104.4	N	
1	12/1/89	3	1		85.6	N	
1	12/1/89	4	1		112.2	Y	
1	12/1/89	5	1		87.9	N	
1	12/1/89	6	1		87.5	N	
1	12/1/89	7	1		85.6	N	
1	12/1/89	8	1		84.2	N	
1	12/1/89	9	1		96.8	N	
1	12/1/89	10	1		86.5	N	
1	12/10/89	1	1		86.6	N	
1	12/10/89	2	1		104.8	N	
1	12/10/89	3	1		86	N	
1	12/10/89	4	1		112.1	Y	
1	12/10/89	5	1		88	N	
1	12/10/89	6	1		87.7	N	
1	12/10/89	7	1		85.8	N	
1	12/10/89	8	1		84.4	N	
1	12/10/89	9	1		97	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/10/89	10	1		86.6	N	
1	12/15/89	1	1		84.4	N	
1	12/15/89	2	1		103.8	N	
1	12/15/89	3	1		83.4	N	
1	12/15/89	4	1		111.8	Y	
1	12/15/89	5	1		85.3	N	
1	12/15/89	6	1		85.5	N	
1	12/15/89	7	1		84.4	N	
1	12/15/89	8	1		83.9	N	
1	12/15/89	9	1		94	N	
1	12/15/89	10	1		84.4	N	
1	12/23/89	1	1		86	N	
1	12/23/89	2	1		105	N	
1	12/23/89	3	1		86	N	
1	12/23/89	4	1		114	Y	
1	12/23/89	5	1		87	N	
1	12/23/89	6	1		88	N	
1	12/23/89	7	1		85	N	
1	12/23/89	8	1		86	N	
1	12/23/89	9	1		98	N	
1	12/23/89	10	1		86	N	
1	12/29/89	1	1		82	N	J-2E-OP-020
1	12/29/89	2	1		102	N	
1	12/29/89	3	1		83	N	
1	12/29/89	4	1		114	Y	
1	12/29/89	5	1		86	N	
1	12/29/89	6	1		86	N	
1	12/29/89	7	1		103	N	
1	12/29/89	8	1		84	N	
1	12/29/89	9	1		85	N	
1	12/29/89	10	1		85	N	
1	1/6/90	1	1		78.5	N	J-2E-OP-002
1	1/6/90	2	1		102.6	N	
1	1/6/90	3	1		80.5	N	
1	1/6/90	4	1		109.9	Y	
1	1/6/90	5	1		81.8	N	
1	1/6/90	6	1		81.8	N	
1	1/6/90	7	1		81.1	N	
1	1/6/90	8	1		80	N	
1	1/6/90	9	1		93.9	N	
1	1/6/90	10	1		82	N	
1	1/13/90	2	1		103.3	N	
1	1/13/90	3	1		80.4	N	
1	1/13/90	4	1		111.2	N	
1	1/13/90	5	1		82.8	N	
1	1/13/90	6	1		82.2	N	
1	1/13/90	7	1		81.7	N	
1	1/13/90	8	1		81.2	N	
1	1/13/90	9	1		93.6	N	
1	1/13/90	10	1		83.8	N	
1	1/19/90	1	1		80.4	N	
1	1/19/90	2	1		102	N	
1	1/19/90	3	1		80	N	
1	1/19/90	4	1		110.3	Y	
1	1/19/90	5	1		81.1	N	
1	1/19/90	6	1		81.1	N	
1	1/19/90	7	1		80.5	N	
1	1/19/90	8	1		79.5	N	
1	1/19/90	9	1		92	N	
1	1/19/90	10	1		81.9	N	J J-1 & J-4 requested
1	1/27/90	1	1		77.4	N	
1	1/27/90	2	1		105.8	N	
1	1/27/90	3	1		81.4	N	
1	1/27/90	4	1		113.1	Y	
1	1/27/90	5	1		82.7	N	
1	1/27/90	6	1		82.6	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/27/90	7	1		82.1	N	
1	1/27/90	8	1		81.2	N	
1	1/27/90	9	1		93.8	N	
1	1/27/90	10	1		83.6	N	
1	2/3/90	1	1		83	N	J-2E-OP-020
1	2/3/90	2	1		106.7	N	
1	2/3/90	3	1		82.9	N	
1	2/3/90	4	1		114.7	Y	
1	2/3/90	5	1		84.1	N	
1	2/3/90	6	1		84.4	N	
1	2/3/90	7	1		81	N	
1	2/3/90	8	1		81.8	N	
1	2/3/90	9	1		94.6	N	
1	2/3/90	10	1		84.2	N	
1	2/5/90	1	1		76.9	N	J-2E-OP-021
1	2/5/90	2	1		104.9	N	
1	2/5/90	3	1		80.1	N	
1	2/5/90	4	1		112.9	Y	
1	2/5/90	5	1		83	N	
1	2/5/90	6	1		82.9	N	
1	2/5/90	7	1		82.7	N	
1	2/5/90	8	1		82	N	
1	2/5/90	9	1		94	N	
1	2/5/90	10	1		84.1	N	
1	2/11/90	1	1		87.3	N	J-2E-OP-021
1	2/11/90	2	1		110.4	N	
1	2/11/90	3	1		87.2	N	
1	2/11/90	4	1		116.7	Y	
1	2/11/90	5	1		85.5	N	
1	2/11/90	6	1		83.6	N	
1	2/11/90	7	1		82.8	N	
1	2/11/90	8	1		82.7	N	
1	2/11/90	9	1		81	N	
1	2/11/90	10	1		84	N	
1	3/2/90	1	1		82.7	N	J-2E-OP-020
1	3/2/90	2	1		107.3	N	
1	3/2/90	3	1		81	N	
1	3/2/90	4	1		116	Y	
1	3/2/90	5	1		82.3	N	
1	3/2/90	6	1		84.5	N	
1	3/2/90	7	1		82.4	N	
1	3/2/90	8	1		82.5	N	
1	3/2/90	9	1		95.5	N	
1	3/2/90	10	1		85.5	N	
1	4/8/90	1	1		82	N	J-2E-OP-020
1	4/8/90	2	1		115	Y	
1	4/8/90	3	1		82	N	
1	4/8/90	5	1		83	N	
1	4/8/90	6	1		81	N	
1	4/8/90	7	1		83	N	
1	4/8/90	8	1		84	N	
1	4/8/90	9	1		97	N	
1	4/8/90	10	1		85	N	
1	6/1/90	1	1			N	No data. Reqd Shift Office, Ahrens, to obtain reading 6/4/90
1	6/4/90	1	1		81.7	N	
1	6/4/90	2	1		102.3	Y	
1	6/4/90	3	1		80.5	N	
1	6/4/90	5	1		80.2	N	
1	6/4/90	6	1		80.4	N	
1	6/4/90	7	1		81.6	N	
1	6/4/90	8	1		81.6	N	
1	6/4/90	9	1		93.9	N	
1	6/4/90	10	1		83.7	N	
1	7/13/90	1	1		79	N	J-2E-OP-020
1	7/13/90	2	1		100	Y	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	7/13/90	3	1		79	N	
1	7/13/90	5	1		81	N	
1	7/13/90	6	1		79	N	
1	7/13/90	7	1		79	N	
1	7/13/90	8	1		78	N	
1	7/13/90	9	1		92	N	
1	7/13/90	10	1		81	N	
1	8/5/90	5	1		82.9	Y	J - TC 1,2,3,4 wires not marked
1	8/5/90	6	1		82.3	N	
1	8/5/90	7	1		82.5	N	
1	8/5/90	8	1		82.8	N	
1	9/11/90	1	1		96	Y	J
1	9/11/90	2	1		88	N	
1	9/11/90	3	1		80	N	
1	9/11/90	4	1		90	N	
1	9/11/90	5	1		79	N	
1	9/11/90	6	1		80	N	
1	9/11/90	7	1		81	N	
1	9/11/90	8	1		80	N	
1	9/11/90	9	1		89	N	
1	9/11/90	10	1		80	N	
1	10/9/90	1	1		84	N	J
1	10/9/90	2	1		70	N	
1	10/9/90	3	1		83	N	
1	10/9/90	4	1		84	N	
1	10/9/90	5	1		84	N	
1	10/9/90	6	1		77	N	
1	10/9/90	7	1		72	N	
1	10/9/90	8	1		67	N	
1	10/9/90	9	1		99	Y	
1	10/9/90	10	1		84	N	
1	10/22/90	1	1			N	J 890523512-20 No readings. J-1 written
1	10/26/90	1	1		84.6	N	J-890523512-20
1	10/26/90	2	1		94.2	N	
1	10/26/90	3	1		84.3	N	
1	10/26/90	4	1		84.4	N	
1	10/26/90	5	1		82.9	N	
1	10/26/90	6	1		99.9	Y	
1	10/26/90	8	1		82.6	N	
1	10/26/90	9	1		83	N	
1	10/30/90	1	1		84.2	N	J 890523512-20
1	10/30/90	2	1		85.1	N	
1	10/30/90	3	1		101.3	Y	
1	10/30/90	4	1		84.7	N	
1	10/30/90	5	1		85.4	N	
1	10/30/90	6	1		94.5	N	
1	10/30/90	8	1		83.2	N	
1	10/30/90	9	1		74.1	N	
1	11/5/90	2	1		84.7	N	
1	11/5/90	3	1		83	N	
1	11/5/90	5	1		82.7	N	
1	11/5/90	6	1		84.2	N	
1	11/5/90	7	1		84.1	N	
1	11/5/90	9	1		83.6	N	
1	11/5/90	10	1		83.7	N	
1	11/12/90	1	1		84	N	2E-OP-021
1	11/12/90	2	1		101.8	Y	
1	11/12/90	3	1		84.8	N	
1	11/12/90	5	1		83.6	N	TC #4 O/S
1	11/12/90	6	1		84.6	N	
1	11/12/90	7	1		85	N	
1	11/12/90	8	1		84	N	
1	11/12/90	9	1		95.8	N	
1	11/12/90	10	1		85.5	N	
1	11/18/90	1	1		85.1	N	J 890523512-20
1	11/18/90	2	1		102.1	Y	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/18/90	5	1		83.2	N	
1	11/18/90	6	1		85.6	N	
1	11/18/90	7	1		86.4	N	
1	11/18/90	8	1		82.9	N	
1	11/18/90	9	1			N	57.8 - suspect data (low)
1	11/18/90	10	1		87.2	N	
1	11/25/90	1	1		90.6	N	J-2E-OP-003
1	11/25/90	2	1		102.3	Y	
1	11/25/90	4	1		93.2	N	
1	11/25/90	5	1		83.6	N	
1	11/25/90	7	1		84.4	N	
1	11/25/90	8	1		82.3	N	
1	12/5/90	1	1		82.4	N	J 890523512-20 TC #4 Bad Data
1	12/5/90	2	1		82.5	N	
1	12/5/90	3	1		81.8	N	
1	12/5/90	5	1		82.4	N	
1	12/5/90	6	1		82	N	
1	12/5/90	8	1		82.6	N	
1	12/5/90	9	1		84	N	
1	12/5/90	11	1		95.5	N	
1	12/11/90	1	1		77.2	N	J 890423320-11
1	12/11/90	2	1		100.6	Y	
1	12/11/90	3	1		80.1	N	
1	12/11/90	5	1		80.5	N	
1	12/11/90	6	1		81.5	N	
1	12/11/90	7	1		80.8	N	
1	12/11/90	8	1		79.3	N	
1	12/11/90	9	1			N	45.7 - suspect data (low)
1	12/11/90	10	1		81.2	N	
1	12/15/90	1	1		82.4	N	HH-99A-J
1	12/15/90	2	1		83.1	N	
1	12/15/90	3	1		103.6	Y	
1	12/15/90	4	1		85	N	
1	12/15/90	5	1		83.2	N	
1	12/15/90	6	1		96.8	N	
1	12/15/90	7	1		84.5	N	
1	12/15/90	8	1		82.9	N	
1	12/15/90	9	1		82.5	N	
1	12/22/90	1	1		81	N	J 890423320-11
1	12/22/90	5	1		83	N	
1	12/22/90	6	1		82	N	
1	12/22/90	7	1		84	N	
1	12/22/90	8	1		84	N	
1	12/22/90	9	1			N	32 - suspect data (low)
1	12/22/90	10	1		85	N	
1	12/30/90	1	1		80.6	N	J-2E-OP-021
1	12/30/90	3	1		103	Y	
1	12/30/90	5	1		81.4	N	
1	12/30/90	6	1		82.9	N	
1	12/30/90	7	1		81.6	N	
1	12/30/90	8	1		81	N	
1	12/30/90	9	1		81.7	N	
1	12/30/90	10	1		83.3	N	
1	1/6/91	1	1		80	N	J
1	1/6/91	4	1		92	Y	
1	1/6/91	6	1		79	N	
1	1/6/91	7	1		81	N	
1	1/6/91	8	1		80	N	
1	1/6/91	9	1		80	N	
1	1/6/91	10	1		80	N	
1	1/13/91	1	1		88	N	J 890423320-11
1	1/13/91	3	1		80.3	N	
1	1/13/91	4	1		94.2	Y	
1	1/13/91	5	1			N	50 - suspect data (low)
1	1/13/91	6	1		78.9	N	
1	1/13/91	7	1		78.9	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/13/91	8	1		78.9	N	
1	1/13/91	9	1		79	N	
1	1/19/91	1	1		75.4	N	J HH99A-K
1	1/19/91	2	1		80.7	N	
1	1/19/91	3	1		102.3	Y	
1	1/19/91	4	1		79.1	N	
1	1/19/91	5	1		93.7	N	
1	1/19/91	6	1		79.1	N	
1	1/19/91	7	1		79	N	
1	1/19/91	8	1		78.7	N	
1	1/19/91	9	1		79.1	N	
1	1/29/91	1	1		78.4	N	J-HH-99A TC #5 Bad Data, instructed tech to re-check
1	1/29/91	2	1		65.7	N	
1	1/29/91	3	1		78.6	N	
1	1/29/91	4	1		92.8	Y	
1	1/29/91	6	1		77.3	N	
1	1/29/91	7	1		80.8	N	
1	1/29/91	8	1		78.3	N	
1	2/3/91	1	1		76	Y	J Ser#890523512-47
1	2/3/91	2	1		76	N	
1	2/3/91	3	1		61	N	
1	2/3/91	4	1			N	53 - suspect data (low)
1	2/3/91	5	1		78	N	
1	2/3/91	6	1		76	N	
1	2/3/91	7	1		76	N	
1	2/3/91	8	1		76	N	
1	2/3/91	9	1		76	N	
1	2/3/91	10	1		76	N	
1	2/9/91	1	1		79.8	N	J 890523512-47
1	2/9/91	3	1		101.9	Y	
1	2/9/91	4	1		77.3	N	
1	2/9/91	5	1		93.3	N	
1	2/9/91	6	1		78.2	N	
1	2/9/91	7	1		77.8	N	
1	2/9/91	8	1		83.2	N	
1	2/9/91	9	1		78.1	N	
1	2/9/91	10	1		78.4	N	
1	2/16/91	1	1		74.6	N	J-890513512-47 No IDs on some TCs
1	2/16/91	4	1		87.7	Y	
1	2/16/91	6	1		74.9	N	
1	2/16/91	7	1		75.8	N	
1	2/16/91	8	1		74.9	N	
1	2/16/91	9	1		75.1	N	
1	2/23/91	1	1		75	N	J 890523512-47 Missing IDs on TC's # 2,5,6,10,11,12
1	2/23/91	3	1		75.3	N	
1	2/23/91	4	1		88	Y	
1	2/23/91	7	1		75.3	N	
1	2/23/91	8	1		75	N	
1	2/23/91	9	1		75.5	Y	
1	3/3/91	1	1		73.8	N	890523512-47
1	3/3/91	2	1		74.7	Y	
1	3/3/91	3	1		73.7	N	
1	3/3/91	6	1		73.4	N	
1	3/3/91	7	1		73.8	N	
1	3/3/91	8	1		73.6	N	
1	3/3/91	9	1		73	N	
1	3/3/91	10	1		71.9	N	
1	3/17/91	1	1		77	N	J 2E-OP-021
1	3/17/91	2	1		66.1	N	
1	3/17/91	3	1		77.3	N	
1	3/17/91	4	1		90.8	Y	
1	3/17/91	6	1		77.2	N	
1	3/17/91	7	1		77.4	N	
1	3/17/91	8	1		77	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/30/91	1	1		77.2	N	J 890523512-20
1	3/30/91	2	1		79.8	Y	
1	3/30/91	3	1		77.5	N	
1	3/30/91	4	1		72.4	N	
1	3/30/91	5	1		72.1	N	
1	3/30/91	6	1		77.2	N	
1	3/30/91	7	1		77.3	N	
1	3/30/91	8	1		75.5	N	
1	4/7/91	1	1		78	N	J 890423320-11
1	4/7/91	2	1		80.2	Y	
1	4/7/91	3	1		78	N	
1	4/7/91	4	1		74	N	
1	4/7/91	6	1		77.4	N	
1	4/7/91	7	1		73.7	N	
1	4/7/91	8	1		67.8	N	
1	4/7/91	9	1		67.8	N	
1	4/14/91	1	1		76.7	N	J 890523512-20
1	4/14/91	2	1		79.2	Y	
1	4/14/91	3	1		76.4	N	
1	4/14/91	4	1		91.8	N	
1	4/14/91	5	1		77	N	
1	4/14/91	6	1		76.8	N	
1	4/14/91	7	1		77.2	N	
1	4/14/91	8	1		76.7	N	
1	4/20/91	1	1		77.1	N	J 890523512-20
1	4/20/91	2	1		79.8	N	
1	4/20/91	3	1		77.5	N	
1	4/20/91	4	1		91.9	Y	
1	4/20/91	5	1		72	N	
1	4/20/91	6	1		77.5	N	
1	4/20/91	7	1		77.7	N	
1	4/20/91	8	1		73.4	N	
1	4/28/91	1	1		77.1	N	J 890523512-20 TC#9 Bad data
1	4/28/91	2	1		78.6	N	
1	4/28/91	3	1		77.1	N	
1	4/28/91	4	1		90.9	Y	
1	4/28/91	5	1		77.3	N	
1	4/28/91	6	1		77.4	N	
1	4/28/91	7	1		77.1	N	
1	4/28/91	8	1		75	N	
1	5/5/91	1	1		77.4	N	J 890523512-20 TC#9 Bad data
1	5/5/91	2	1		80.1	N	
1	5/5/91	3	1		77.6	N	
1	5/5/91	4	1		91.5	Y	
1	5/5/91	6	1		78	N	
1	5/5/91	7	1		77.8	N	
1	5/5/91	8	1		77.9	N	
1	5/12/91	1	1		83.5	N	J 890523512
1	5/12/91	2	1		79.5	N	
1	5/12/91	3	1		78	N	
1	5/12/91	4	1		91.7	Y	
1	5/12/91	5	1		77.5	N	
1	5/12/91	6	1		77.5	N	
1	5/12/91	7	1		78.1	N	
1	5/12/91	8	1		78.6	N	
1	5/18/91	1	1		79.2	N	K Keithley 872 2E-OP-020
1	5/18/91	2	1		79	N	
1	5/18/91	3	1		79.4	N	
1	5/18/91	4	1		93.1	Y	
1	5/18/91	5	1		79.2	N	
1	5/18/91	6	1		79.5	N	
1	5/18/91	7	1		79.4	N	
1	5/18/91	8	1		79.2	N	
1	5/18/91	9	1		102.6	N	TC# 9 SUSPECT
1	5/25/91	1	1		94.7	Y	J 2E-OP-021
1	5/25/91	2	1		92.8	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	5/25/91	3	1		94.4	N	
1	5/25/91	4	1		81.1	N	
1	5/25/91	6	1		92.8	N	
1	5/25/91	7	1		91.5	N	
1	5/25/91	8	1		91.9	N	
1	5/25/91	9	1		68.1	N	
1	6/2/91	1	1		76.8	N	J 890423320-42
1	6/2/91	2	1		80.1	N	
1	6/2/91	3	1		76.8	N	
1	6/2/91	4	1		90.1	N	
1	6/2/91	6	1		77.2	N	
1	6/2/91	7	1		77	N	
1	6/2/91	8	1		76.9	N	
1	6/2/91	9	1		99.1	Y	
1	6/9/91	1	1		77.4	N	J 890523512-20
1	6/9/91	2	1		79.1	N	
1	6/9/91	3	1		77.7	N	
1	6/9/91	4	1		89.2	Y	
1	6/9/91	6	1		76.9	N	
1	6/9/91	7	1		76.8	N	
1	6/9/91	8	1		77.1	N	
1	6/9/91	9	1		99	N	
1	6/15/91	1	1		81	N	J 2E-OP-021 TC#3,10 Bad data;#9 Bad data in vapor space
1	6/15/91	2	1		81.9	N	
1	6/15/91	4	1		91.4	Y	
1	6/15/91	6	1		86.9	N	
1	6/15/91	7	1		79.6	N	
1	6/15/91	8	1		78.8	N	
1	6/23/91	1	1		84	N	J 2E-OP-021
1	6/23/91	2	1		81	N	
1	6/23/91	4	1		92	N	
1	6/23/91	6	1		80	N	
1	6/23/91	7	1		80	N	
1	6/23/91	8	1		80	N	
1	6/23/91	9	1		100	Y	
1	6/29/91	1	1		78.1	N	J 890423320-42 TC#3,5,10 Broken wire
1	6/29/91	2	1		80.6	N	
1	6/29/91	4	1		90.8	Y	
1	6/29/91	6	1		78.5	N	
1	6/29/91	7	1		78.6	N	
1	6/29/91	8	1		68.1	N	
1	6/29/91	9	1		98.5	N	
1	7/6/91	1	1		78.4	N	J 910126143-42 TC#3,5,10NG
1	7/6/91	2	1		91.7	N	
1	7/6/91	4	1		90.8	N	
1	7/6/91	6	1		78.9	N	
1	7/6/91	7	1		78.9	N	
1	7/6/91	8	1		78.7	N	
1	7/6/91	9	1		97.3	Y	
1	7/13/91	1	1		87.5	N	J 910126143-42 TC#3,5,10NG
1	7/13/91	2	1		77.7	N	
1	7/13/91	4	1		86.5	N	
1	7/13/91	6	1		79.1	N	
1	7/13/91	7	1		85.7	N	
1	7/13/91	8	1		77.9	N	
1	7/13/91	9	1		97.5	Y	
1	7/20/91	2	1		78.9	N	J 910126143-64 TC#1,3,10o/s
1	7/20/91	4	1		95.7	N	
1	7/20/91	5	1		77.7	N	
1	7/20/91	6	1		93.6	N	
1	7/20/91	7	1		78.6	N	
1	7/20/91	8	1		77.2	N	
1	7/20/91	9	1		96.1	Y	
1	7/27/91	2	1		80.8	N	J 910126143-14 TC#1,3,5,10
1	7/27/91	4	1		90.8	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	7/27/91	6	1		78.6	N	
1	7/27/91	7	1		77.7	N	
1	7/27/91	8	1		78.9	N	
1	7/27/91	9	1		97.8	Y	
1	8/3/91	1	1		93.4	N	J 910126143-14 TC#3,5,10N/G
1	8/3/91	2	1		80.3	N	
1	8/3/91	4	1		90.5	N	
1	8/3/91	6	1		79.2	N	
1	8/3/91	7	1		78.8	N	
1	8/3/91	8	1		79.9	N	
1	8/3/91	9	1		96.6	Y	
1	8/10/91	2	1		75	N	J 890523512-20 TC#1,3,5,11NG
1	8/10/91	4	1		92	N	
1	8/10/91	6	1		82	N	
1	8/10/91	7	1		81	N	
1	8/10/91	8	1		75	N	
1	8/10/91	9	1		99	Y	
1	8/18/91	2	1		81.5	N	J 890523512-20
1	8/18/91	4	1		90.5	N	
1	8/18/91	6	1		80	N	
1	8/18/91	8	1		96.7	Y	
1	8/18/91	9	1		95.7	N	
1	8/24/91	2	1		83.3	N	J 890523512-20
1	8/24/91	4	1		91.3	N	
1	8/24/91	6	1		81.8	N	
1	8/24/91	7	1		81.6	N	
1	8/24/91	8	1		80	N	
1	8/24/91	9	1		94	Y	
1	8/31/91	2	1		83.3	N	J-890423320-42
1	8/31/91	4	1		92.5	Y	
1	8/31/91	6	1		82.8	N	
1	8/31/91	7	1		82.1	N	
1	8/31/91	8	1		80.5	N	
1	8/31/91	9	1		83.2	N	
1	9/8/91	2	1		83.3	N	J-890423320-42
1	9/8/91	4	1		92.5	Y	
1	9/8/91	6	1		82.6	N	
1	9/8/91	7	1		82	N	
1	9/8/91	8	1		80.5	N	
1	9/8/91	9	1		83.2	N	
1	9/15/91	2	1		76.9	N	J-910126143-75 NO MAX FLAGGED
1	9/15/91	4	1		80	N	
1	9/15/91	6	1		81.6	N	
1	9/15/91	7	1		79.5	N	
1	9/15/91	8	1		79.6	N	
1	9/15/91	9	1		70.5	N	
1	9/22/91	1	1		82.1	N	J-910126143-75
1	9/22/91	2	1		84	N	
1	9/22/91	3	1		82.8	N	
1	9/22/91	4	1		92.7	N	
1	9/22/91	5	1		82	N	
1	9/22/91	6	1		82.5	N	
1	9/22/91	7	1		82.2	N	
1	9/22/91	8	1		81.8	N	
1	9/22/91	9	1		97.5	Y	
1	9/28/91	2	1		101	Y	
1	9/28/91	3	1		96.2	N	
1	9/28/91	4	1		86.9	N	
1	9/28/91	5	1		84.8	N	
1	9/28/91	6	1		84.5	N	
1	9/28/91	7	1		84	N	
1	9/28/91	8	1		84.8	N	
1	9/28/91	9	1		85.2	N	
1	9/28/91	10	1		85.6	N	
1	10/5/91	1	1			N	O/S No Readings
1	10/12/91	2	1		99.3	Y	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	10/12/91	3	1		94.3	N	
1	10/12/91	4	1		85	N	
1	10/12/91	5	1		83.1	N	
1	10/12/91	6	1		82.9	N	
1	10/12/91	7	1		82.5	N	
1	10/12/91	8	1		83.4	N	
1	10/12/91	9	1		83.6	N	
1	10/12/91	10	1		83.8	N	
1	10/20/91	2	1		99.1	Y	
1	10/20/91	3	1		93.8	N	
1	10/20/91	4	1		84.2	N	
1	10/20/91	5	1		82.4	N	
1	10/20/91	6	1		82.3	N	
1	10/20/91	7	1		81.9	N	
1	10/20/91	8	1		82.7	N	
1	10/20/91	9	1		82.8	N	
1	10/20/91	10	1		83	N	
1	10/27/91	2	1		100.3	Y	
1	10/27/91	3	1		94.9	N	
1	10/27/91	4	1		85.1	N	
1	10/27/91	5	1		83.6	N	
1	10/27/91	6	1		83.5	N	
1	10/27/91	7	1		83	N	
1	10/27/91	8	1		83.8	N	
1	10/27/91	9	1		84	N	
1	10/27/91	10	1		84.1	N	
1	11/2/91	2	1		99	Y	
1	11/2/91	3	1		93	N	
1	11/2/91	4	1		83	N	
1	11/2/91	5	1		82	N	
1	11/2/91	6	1		82	N	
1	11/2/91	7	1		81	N	
1	11/2/91	8	1		82	N	
1	11/2/91	9	1		82	N	
1	11/2/91	10	1		82	N	
1	11/9/91	1	1			N	51 - suspect data (low) J-2E-OP-02, TC #1 BAD DATA
1	11/9/91	2	1		99	Y	
1	11/9/91	3	1		93	N	
1	11/9/91	4	1		84	N	
1	11/9/91	5	1		82	N	
1	11/9/91	6	1		81	N	
1	11/9/91	7	1		81	N	
1	11/9/91	8	1		82	N	
1	11/9/91	9	1		81	N	
1	11/9/91	10	1		81	N	
1	11/17/91	2	1		98.9	Y	
1	11/17/91	3	1		92.6	N	
1	11/17/91	4	1		82.2	N	
1	11/17/91	5	1		80.4	N	
1	11/17/91	6	1		80.5	N	
1	11/17/91	7	1		80.1	N	
1	11/17/91	8	1		79.3	N	
1	11/17/91	9	1		81.1	N	
1	11/17/91	10	1		81.1	N	
1	11/24/91	2	1		101.1	Y	
1	11/24/91	3	1		94.8	N	
1	11/24/91	4	1		83.7	N	
1	11/24/91	5	1		82.2	N	
1	11/24/91	6	1		82.6	N	
1	11/24/91	7	1		81.9	N	
1	11/24/91	8	1		82.5	N	
1	11/24/91	9	1		82.6	N	
1	11/24/91	10	1		82.5	N	
1	12/1/91	2	1		100	Y	
1	12/1/91	3	1		93.3	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/1/91	4	1		82	N	
1	12/1/91	5	1		80.2	N	
1	12/1/91	6	1		80.2	N	
1	12/1/91	7	1		79.8	N	
1	12/1/91	8	1		80.6	N	
1	12/1/91	9	1		80.8	N	
1	12/1/91	10	1		80.7	N	
1	12/6/91	2	1		100.9	Y	
1	12/6/91	3	1		94.5	N	
1	12/6/91	4	1		83.1	N	
1	12/6/91	5	1		81.2	N	
1	12/6/91	6	1		81.2	N	
1	12/6/91	7	1		80.7	N	
1	12/6/91	8	1		81.5	N	
1	12/6/91	9	1		81.8	N	
1	12/6/91	10	1		81.9	N	
1	12/14/91	2	1		101.5	Y	
1	12/14/91	3	1		94.3	N	
1	12/14/91	4	1		82.7	N	
1	12/14/91	5	1		80.9	N	
1	12/14/91	6	1		80.8	N	
1	12/14/91	7	1		80.4	N	
1	12/14/91	8	1		81.1	N	
1	12/14/91	9	1		81.3	N	
1	12/14/91	10	1		81.3	N	
1	12/20/91	2	1		101.3	Y	
1	12/20/91	3	1		93.9	N	
1	12/20/91	4	1		82	N	
1	12/20/91	5	1		80.2	N	
1	12/20/91	6	1		80.3	N	
1	12/20/91	7	1		80	N	
1	12/20/91	8	1		80.5	N	
1	12/20/91	9	1		80.7	N	
1	12/20/91	10	1		80.6	N	
1	12/29/91	1	1		109.2	Y	
1	12/29/91	2	1		101.5	N	
1	12/29/91	3	1		94.2	N	
1	12/29/91	4	1		81.9	N	
1	12/29/91	5	1		80	N	
1	12/29/91	6	1		80	N	
1	12/29/91	7	1		79.6	N	
1	12/29/91	8	1		80.2	N	
1	12/29/91	9	1		80.3	N	
1	12/29/91	10	1		80.2	N	
1	1/3/92	1	1		109	Y	J-910126143-50 TC #2, 11-14 O/S
1	1/3/92	3	1		94	N	
1	1/3/92	4	1		81	N	
1	1/3/92	5	1		79	N	
1	1/3/92	6	1		79	N	
1	1/3/92	7	1		79	N	
1	1/3/92	8	1		79	N	
1	1/3/92	9	1		79	N	
1	1/3/92	10	1		79	N	
1	1/11/92	1	1		107.6	Y	910126143-14
1	1/11/92	3	1		92.1	N	
1	1/11/92	4	1		79.5	N	
1	1/11/92	5	1		77.7	N	
1	1/11/92	6	1		77.6	N	
1	1/11/92	7	1		77.3	N	
1	1/11/92	8	1		77.9	N	
1	1/11/92	9	1		78	N	
1	1/11/92	10	1		78	N	
1	1/16/92	1	1		108.2	Y	J 910126143-32
1	1/16/92	3	1		93	N	
1	1/16/92	4	1		79	N	
1	1/16/92	5	1		77.7	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/16/92	6	1		77.6	N	
1	1/16/92	7	1		77.4	N	
1	1/16/92	8	1		77.4	N	
1	1/16/92	9	1		78	N	
1	1/16/92	10	1		77.9	N	
1	1/25/92	1	1		107.9	Y	J-910126143-14
1	1/25/92	2	1			N	
1	1/25/92	3	1		92.6	N	
1	1/25/92	4	1		80	N	
1	1/25/92	5	1		77.9	N	
1	1/25/92	6	1		77.8	N	
1	1/25/92	7	1		77.5	N	
1	1/25/92	8	1		75.5	N	
1	1/25/92	9	1		73.2	N	
1	1/25/92	10	1		73.1	N	
1	1/25/92	15	1			N	
1	1/28/92	1	1			N	ACCESS RESTRICTED 1/28 - 2/22 DUE TO BATTERY FUME INCIDENT
1	2/24/92	1	1		108.4	Y	J-900925741-79
1	2/24/92	2	1			N	
1	2/24/92	3	1		92.1	N	
1	2/24/92	4	1		79.4	N	
1	2/24/92	5	1		77.2	N	
1	2/24/92	6	1		77.2	N	
1	2/24/92	7	1		76.8	N	
1	2/24/92	8	1		77.3	N	
1	2/24/92	9	1		77.5	N	
1	2/24/92	10	1		79.5	N	
1	2/29/92	1	1		108.4	Y	J+I-038/91012614332
1	2/29/92	3	1		92	N	
1	2/29/92	4	1		72.2	N	
1	2/29/92	5	1		76.9	N	
1	2/29/92	6	1		76.8	N	
1	2/29/92	7	1		76.5	N	
1	2/29/92	8	1		77	N	
1	2/29/92	9	1		77.2	N	
1	2/29/92	10	1		77.1	N	
1	3/8/92	1	1		107.3	Y	J 910126143-48
1	3/8/92	3	1		91.1	N	
1	3/8/92	4	1		78.3	N	
1	3/8/92	5	1		76.1	N	
1	3/8/92	6	1		76.1	N	
1	3/8/92	7	1		75.8	N	
1	3/8/92	8	1		76.1	N	
1	3/8/92	9	1		76.2	N	
1	3/8/92	10	1		76.2	N	
1	3/15/92	1	1		108.5	Y	J-910126143-32
1	3/15/92	2	1			N	TC # 2,10 O/S
1	3/15/92	3	1		92	N	
1	3/15/92	4	1		79.1	N	
1	3/15/92	5	1		76.7	N	
1	3/15/92	6	1		76.6	N	
1	3/15/92	7	1		76.3	N	
1	3/15/92	8	1		76.6	N	
1	3/15/92	9	1		76.7	N	
1	3/15/92	10	1		76.7	N	
1	3/20/92	1	1		108.1	Y	J 91012614332 TC #2 O/S
1	3/20/92	3	1		91.7	N	
1	3/20/92	4	1		78.6	N	
1	3/20/92	5	1		76.3	N	
1	3/20/92	6	1		76.3	N	
1	3/20/92	7	1		76	N	
1	3/20/92	8	1		76.3	N	
1	3/20/92	9	1		76.5	N	
1	3/20/92	10	1		76.4	N	
1	3/29/92	1	1		108.6	Y	J 910126143-66 TC #2 O/S

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/29/92	3	1		92.9	N	
1	3/29/92	4	1		80.3	N	
1	3/29/92	5	1		78.2	N	
1	3/29/92	6	1		78.1	N	
1	3/29/92	7	1		77.9	N	
1	3/29/92	8	1		78.2	N	
1	3/29/92	9	1		78.5	N	
1	3/29/92	10	1		78.6	N	
1	4/3/92	1	1		106.5	Y	J 910126143-14
1	4/3/92	3	1		90.5	N	
1	4/3/92	4	1		78.2	N	
1	4/3/92	5	1		75.9	N	
1	4/3/92	6	1		75.9	N	
1	4/3/92	7	1		75.6	N	
1	4/3/92	8	1		75.8	N	
1	4/3/92	9	1		76	N	
1	4/3/92	10	1		76.1	N	
1	4/11/92	1	1		107.6	Y	J 910126143-64
1	4/11/92	3	1		91.7	N	
1	4/11/92	4	1		79.2	N	
1	4/11/92	5	1		77.1	N	
1	4/11/92	6	1		77	N	
1	4/11/92	7	1		76.7	N	
1	4/11/92	8	1		77.2	N	
1	4/11/92	9	1		77.4	N	
1	4/11/92	10	1		77.4	N	
1	4/17/92	1	1		108.9	Y	
1	4/17/92	3	1		92.8	N	
1	4/17/92	4	1		80.5	N	
1	4/17/92	5	1		78.3	N	
1	4/17/92	6	1		78.2	N	
1	4/17/92	7	1		78.1	N	
1	4/17/92	8	1		78.5	N	
1	4/17/92	9	1		78.6	N	
1	4/17/92	10	1		78.6	N	
1	4/25/92	1	1		111.1	Y	J 89052351220
1	4/25/92	3	1		95.31	N	
1	4/25/92	4	1		82.6	N	
1	4/25/92	5	1		80.1	N	
1	4/25/92	6	1		79.9	N	
1	4/25/92	7	1		79.6	N	
1	4/25/92	8	1		79.8	N	
1	4/25/92	9	1		80.1	N	
1	4/25/92	10	1		80.2	N	
1	4/30/92	3	1		89.6	N	J 890523512-47 NO MAX FLAGGED
1	4/30/92	4	1		77.9	N	
1	4/30/92	5	1		75.6	N	
1	4/30/92	6	1		75.5	N	
1	4/30/92	7	1		75.3	N	
1	4/30/92	8	1		75.5	N	
1	4/30/92	9	1		75.7	N	
1	4/30/92	10	1		75.7	N	
1	5/8/92	1	1		106.4	Y	J 910126143-48 TC #2 O/S
1	5/8/92	3	1		90.6	N	
1	5/8/92	4	1		79	N	
1	5/8/92	5	1		76.7	N	
1	5/8/92	6	1		76.6	N	
1	5/8/92	7	1		76.4	N	
1	5/8/92	8	1		76.7	N	
1	5/8/92	9	1		76.9	N	
1	5/8/92	10	1		76.9	N	
1	5/16/92	1	1		108.5	Y	J 910126143-32
1	5/16/92	3	1		92.7	N	
1	5/16/92	4	1		81.2	N	
1	5/16/92	5	1		78.7	N	
1	5/16/92	6	1		78.7	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	5/16/92	7	1		78.4	N	
1	5/16/92	8	1		78.6	N	
1	5/16/92	9	1		78.8	N	
1	5/16/92	10	1		79.2	N	
1	5/24/92	1	1		106.9	Y	J 890523512-47
1	5/24/92	3	1		91.9	N	
1	5/24/92	4	1		80.2	N	
1	5/24/92	5	1		77.9	N	
1	5/24/92	6	1		77.9	N	
1	5/24/92	7	1		77.6	N	
1	5/24/92	8	1		77.9	N	
1	5/24/92	9	1		78.4	N	
1	5/28/92	1	1		104.7	Y	J 890523512-47
1	5/28/92	3	1		89.1	N	
1	5/28/92	4	1		78.1	N	
1	5/28/92	5	1		75.9	N	
1	5/28/92	6	1		75.8	N	
1	5/28/92	7	1		75.7	N	
1	5/28/92	8	1		75.9	N	
1	5/28/92	9	1		75.1	N	
1	5/28/92	10	1		76.2	N	
1	6/5/92	1	1		106.1	Y	J 910126143-50
1	6/5/92	3	1		90.6	N	
1	6/5/92	4	1		79.6	N	
1	6/5/92	5	1		77.3	N	
1	6/5/92	6	1		77.2	N	
1	6/5/92	7	1		76.9	N	
1	6/5/92	8	1		77.2	N	
1	6/5/92	9	1		77.5	N	
1	6/5/92	10	1		77.5	N	
1	6/13/92	1	1		103.1	Y	J 890523512-47
1	6/13/92	3	1		87.8	N	
1	6/13/92	4	1		77.4	N	
1	6/13/92	5	1		75.2	N	
1	6/13/92	6	1		75.1	N	
1	6/13/92	7	1		75	N	
1	6/13/92	8	1		75.3	N	
1	6/13/92	9	1		75.5	N	
1	6/13/92	10	1		75.5	N	
1	6/20/92	1	1		107.7	Y	J 910126143-48
1	6/20/92	3	1		93.4	N	
1	6/20/92	4	1		82.8	N	
1	6/20/92	5	1		80.5	N	
1	6/20/92	6	1		80.4	N	
1	6/20/92	7	1		80.3	N	
1	6/20/92	8	1		80.5	N	
1	6/20/92	9	1		81.2	N	
1	6/20/92	10	1		81.5	N	
1	6/28/92	1	1		105.5	Y	J TI-042 910126143-66
1	6/28/92	3	1		90.6	N	
1	6/28/92	4	1		80.5	N	
1	6/28/92	5	1		78.5	N	
1	6/28/92	6	1		78.5	N	
1	6/28/92	7	1		78.4	N	
1	6/28/92	8	1		78.7	N	
1	6/28/92	9	1		79	N	
1	6/28/92	10	1		79.1	N	
1	7/3/92	1	1		105.2	Y	J TI-042
1	7/3/92	3	1		90.12	N	
1	7/3/92	4	1		80	N	
1	7/3/92	5	1		77.9	N	
1	7/3/92	6	1		77.9	N	
1	7/3/92	7	1		77.8	N	
1	7/3/92	8	1		78	N	
1	7/3/92	9	1		78.2	N	
1	7/3/92	10	1		78.3	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	7/10/92	1	1		106	Y	J 910126143-42
1	7/10/92	3	1		91.2	N	
1	7/10/92	4	1		81.4	N	
1	7/10/92	5	1		79.3	N	
1	7/10/92	6	1		79.3	N	
1	7/10/92	7	1		79.1	N	
1	7/10/92	8	1		79.5	N	
1	7/10/92	9	1		79.7	N	
1	7/10/92	10	1		79.8	N	
1	7/18/92	1	1		106.6	Y	J 910126143-42
1	7/18/92	3	1		93	N	
1	7/18/92	4	1		83.1	N	
1	7/18/92	5	1		81	N	
1	7/18/92	6	1		80.8	N	
1	7/18/92	7	1		80.5	N	
1	7/18/92	8	1		80.6	N	
1	7/18/92	9	1		81.3	N	
1	7/18/92	10	1		81.7	N	
1	7/24/92	1	1		106.6	Y	J HH-99A 910126143-29
1	7/24/92	3	1		92.2	N	
1	7/24/92	4	1		82.7	N	
1	7/24/92	5	1		81.7	N	
1	7/24/92	6	1		80.7	N	
1	7/24/92	7	1		80.5	N	
1	7/24/92	8	1		80.8	N	
1	7/24/92	9	1		81.2	N	
1	7/24/92	10	1		81.2	N	
1	8/1/92	1	1		107.6	Y	J TI-041
1	8/1/92	3	1		94.2	N	
1	8/1/92	4	1		84.4	N	
1	8/1/92	5	1		82.2	N	
1	8/1/92	6	1		82.1	N	
1	8/1/92	7	1		82	N	
1	8/1/92	8	1		82.3	N	
1	8/1/92	9	1		82.8	N	
1	8/1/92	10	1		83.2	N	
1	8/7/92	1	1		104.6	Y	J 890423320-42
1	8/7/92	3	1		90.9	N	
1	8/7/92	4	1		81.9	N	
1	8/7/92	5	1		79.9	N	
1	8/7/92	6	1		80	N	
1	8/7/92	7	1		79.8	N	
1	8/7/92	8	1		80.1	N	
1	8/7/92	9	1		80.3	N	
1	8/7/92	10	1		80.4	N	
1	8/15/92	1	1		107.5	Y	
1	8/15/92	3	1		93.8	N	
1	8/15/92	4	1		84.7	N	
1	8/15/92	5	1		82.6	N	
1	8/15/92	6	1		82.4	N	
1	8/15/92	7	1		82.3	N	
1	8/15/92	8	1		82.6	N	
1	8/15/92	9	1		82.9	N	
1	8/15/92	10	1		83	N	
1	8/21/92	1	1		105	Y	J 890423320-42
1	8/21/92	3	1		91.7	N	
1	8/21/92	4	1		82.7	N	
1	8/21/92	5	1		80.5	N	
1	8/21/92	6	1		80.8	N	
1	8/21/92	7	1		80.7	N	
1	8/21/92	8	1		80.9	N	
1	8/21/92	9	1		81.3	N	
1	8/21/92	10	1		81.4	N	
1	8/30/92	1	1		106.8	Y	J 890423320-42
1	8/30/92	3	1		93.1	N	
1	8/30/92	4	1		84.7	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/30/92	5	1		82.9	N	
1	8/30/92	6	1		82.8	N	
1	8/30/92	7	1		82.7	N	
1	8/30/92	8	1		83	N	
1	8/30/92	9	1		83.5	N	
1	8/30/92	10	1		84	N	
1	9/6/92	1	1		109	Y	J 890423320-42
1	9/6/92	2	1		103	N	2ND RDG
1	9/6/92	3	1		97	N	
1	9/6/92	4	1		93.2	N	
1	9/6/92	5	1		94.4	N	
1	9/6/92	6	1		93.3	N	
1	9/6/92	7	1		91.7	N	
1	9/6/92	8	1		90.5	N	
1	9/6/92	9	1		90	N	
1	9/6/92	10	1		88.3	N	
1	9/12/92	1	1		106.3	Y	J 890423320-42
1	9/12/92	3	1		93.6	N	
1	9/12/92	4	1		85	N	
1	9/12/92	5	1		83.2	N	
1	9/12/92	6	1		83.2	N	
1	9/12/92	7	1		83	N	
1	9/12/92	8	1		83.3	N	
1	9/12/92	9	1		83.5	N	
1	9/12/92	10	1		83.6	N	
1	9/20/92	1	1		107.1	Y	J 910126143-64
1	9/20/92	3	1		93.8	N	
1	9/20/92	4	1		85	N	
1	9/20/92	5	1		83.2	N	
1	9/20/92	6	1		83.2	N	
1	9/20/92	7	1		83.1	N	
1	9/20/92	8	1		83.5	N	
1	9/20/92	9	1		83.7	N	
1	9/20/92	10	1		83.7	N	
1	9/26/92	1	1		105.8	Y	J 910126143-64
1	9/26/92	3	1		92.6	N	
1	9/26/92	4	1		83.7	N	
1	9/26/92	5	1		82	N	
1	9/26/92	6	1		82	N	
1	9/26/92	7	1		82	N	
1	9/26/92	8	1		81.9	N	
1	9/26/92	9	1		82.2	N	
1	9/26/92	10	1		82.5	N	
1	10/1/92	1	1		105.2	Y	J 890423320-42
1	10/1/92	3	1		92.6	N	
1	10/1/92	4	1		83.6	N	
1	10/1/92	5	1		82	N	
1	10/1/92	6	1		82	N	
1	10/1/92	7	1		81.9	N	
1	10/1/92	8	1		82.1	N	
1	10/1/92	9	1		82.3	N	
1	10/1/92	10	1		82.4	N	
1	10/10/92	1	1		106.9	Y	J 910126143-48
1	10/10/92	3	1		93.7	N	
1	10/10/92	4	1		84.7	N	
1	10/10/92	5	1		83.1	N	
1	10/10/92	6	1		82.9	N	
1	10/10/92	7	1		82.9	N	
1	10/10/92	8	1		83.2	N	
1	10/10/92	9	1		83.3	N	
1	10/10/92	10	1		83.4	N	
1	10/18/92	1	1		107.6	Y	J 910125143-40
1	10/18/92	3	1		94.4	N	
1	10/18/92	4	1		84.7	N	
1	10/18/92	5	1		83.2	N	
1	10/18/92	6	1		83.2	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	10/18/92	7	1		83.2	N	
1	10/18/92	8	1		83.4	N	
1	10/18/92	9	1		83.6	N	
1	10/18/92	10	1		83.6	N	
1	10/24/92	1	1		106.8	Y	J 910126143-66
1	10/24/92	3	1		93.4	N	
1	10/24/92	4	1		83.7	N	
1	10/24/92	5	1		82.4	N	
1	10/24/92	6	1		82.4	N	
1	10/24/92	7	1		82.3	N	
1	10/24/92	8	1		82.6	N	
1	10/24/92	9	1		82.8	N	
1	10/24/92	10	1		82.8	N	
1	10/28/92	1	1		108.1	Y	J 91012614366 TC#2 O/S
1	10/28/92	3	1		94.91	N	
1	10/28/92	4	1		85	N	
1	10/28/92	5	1		83.7	N	
1	10/28/92	6	1		83.7	N	
1	10/28/92	7	1		83.6	N	
1	10/28/92	8	1		83.5	N	
1	10/28/92	9	1		84.1	N	
1	10/28/92	10	1		84.2	N	
1	11/1/92	1	1		111	Y	TMACS
1	11/1/92	2	1		104.5	N	
1	11/1/92	3	1		97.8	N	
1	11/1/92	4	1		88.3	N	
1	11/1/92	5	1		87.6	N	
1	11/1/92	6	1		87.9	N	
1	11/1/92	7	1		88.5	N	
1	11/1/92	8	1		85.6	N	
1	11/1/92	9	1		85.6	N	
1	11/1/92	10	1		85.8	N	
1	11/8/92	1	1		110.4	Y	TMACS
1	11/8/92	2	1		104.1	N	
1	11/8/92	3	1		97.8	N	
1	11/8/92	4	1		87.4	N	
1	11/8/92	5	1		86.9	N	
1	11/8/92	6	1		87.2	N	
1	11/8/92	7	1		87.8	N	
1	11/8/92	8	1		89.2	N	
1	11/8/92	9	1		84.9	N	
1	11/8/92	10	1		84.9	N	
1	11/15/92	1	1		110.4	Y	TMACS
1	11/15/92	2	1		104	N	
1	11/15/92	3	1		97.5	N	
1	11/15/92	4	1		87	N	
1	11/15/92	5	1		86.3	N	
1	11/15/92	6	1		86.9	N	
1	11/15/92	7	1		87.2	N	
1	11/15/92	8	1		89	N	
1	11/15/92	9	1		84.2	N	
1	11/15/92	10	1		84.2	N	
1	11/20/92	1	1		107.8	Y	J 910126143-48
1	11/20/92	3	1		93.7	N	
1	11/20/92	4	1		83	N	
1	11/20/92	5	1		81.7	N	
1	11/20/92	6	1		81.7	N	
1	11/20/92	7	1		81.7	N	
1	11/20/92	8	1		82	N	
1	11/20/92	9	1		82.1	N	
1	11/20/92	10	1		82	N	
1	11/22/92	1	1		110.8	Y	TMACS
1	11/22/92	2	1		104.9	N	
1	11/22/92	3	1		98	N	
1	11/22/92	4	1		87	N	
1	11/22/92	5	1		86.7	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/22/92	6	1		87	N	
1	11/22/92	7	1		87.6	N	
1	11/22/92	8	1		89	N	
1	11/22/92	9	1		83.8	N	
1	11/22/92	10	1		83.8	N	
1	11/29/92	1	1		110.4	Y	TMACS
1	11/29/92	2	1		104.3	N	
1	11/29/92	3	1		97.1	N	
1	11/29/92	4	1		86.1	N	
1	11/29/92	5	1		85.4	N	
1	11/29/92	6	1		86	N	
1	11/29/92	7	1		86.7	N	
1	11/29/92	8	1		87.9	N	
1	11/29/92	9	1		83.4	N	
1	11/29/92	10	1		83.4	N	
1	12/6/92	1	1		110.8	Y	TMACS
1	12/6/92	2	1		104.3	N	
1	12/6/92	3	1		97.1	N	
1	12/6/92	4	1		85.6	N	
1	12/6/92	5	1		84.9	N	
1	12/6/92	6	1		85.6	N	
1	12/6/92	7	1		86.1	N	
1	12/6/92	8	1		87.6	N	
1	12/6/92	9	1		82.9	N	
1	12/6/92	10	1		82.5	N	
1	12/13/92	1	1		110.6	Y	TMACS
1	12/13/92	2	1		104.5	N	
1	12/13/92	3	1		96.9	N	
1	12/13/92	4	1		85.4	N	
1	12/13/92	5	1		84.5	N	
1	12/13/92	6	1		85.2	N	
1	12/13/92	7	1		85.8	N	
1	12/13/92	8	1		87	N	
1	12/13/92	9	1		82.9	N	
1	12/13/92	10	1		82.5	N	
1	12/20/92	1	1		110.8	Y	TMACS
1	12/20/92	2	1		104.3	N	
1	12/20/92	3	1		97.1	N	
1	12/20/92	4	1		84.9	N	
1	12/20/92	5	1		84	N	
1	12/20/92	6	1		84.5	N	
1	12/20/92	7	1		85.2	N	
1	12/20/92	8	1		86.5	N	
1	12/20/92	9	1		81.6	N	
1	12/20/92	10	1		81.6	N	
1	12/27/92	1	1		111	Y	TMACS
1	12/27/92	2	1		104.5	N	
1	12/27/92	3	1		96.8	N	
1	12/27/92	4	1		84.5	N	
1	12/27/92	5	1		83.8	N	
1	12/27/92	6	1		84	N	
1	12/27/92	7	1		84.7	N	
1	12/27/92	8	1		86.1	N	
1	12/27/92	9	1		81.6	N	
1	12/27/92	10	1		81.6	N	
1	1/3/93	1	1		111.3	Y	TMACS
1	1/3/93	2	1		104.9	N	
1	1/3/93	3	1		96.8	N	
1	1/3/93	4	1		84.5	N	
1	1/3/93	5	1		83.6	N	
1	1/3/93	6	1		84	N	
1	1/3/93	7	1		84.9	N	
1	1/3/93	8	1		86.1	N	
1	1/3/93	9	1		81.3	N	
1	1/3/93	10	1		81.5	N	
1	1/10/93	1	1		110.6	Y	TMACS

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/10/93	2	1		104.3	N	
1	1/10/93	3	1		96	N	
1	1/10/93	4	1		83.6	N	
1	1/10/93	5	1		82.5	N	
1	1/10/93	6	1		83.1	N	
1	1/10/93	7	1		84	N	
1	1/10/93	8	1		84.9	N	
1	1/10/93	9	1		80.4	N	
1	1/10/93	10	1		80.2	N	
1	1/17/93	1	1		111.2	Y	TMACS
1	1/17/93	2	1		104.5	N	
1	1/17/93	3	1		96.2	N	
1	1/17/93	4	1		83.6	N	
1	1/17/93	5	1		82.4	N	
1	1/17/93	6	1		82.9	N	
1	1/17/93	7	1		83.4	N	
1	1/17/93	8	1		84.7	N	
1	1/17/93	9	1		79.7	N	
1	1/17/93	10	1		79.5	N	
1	1/24/93	1	1		110.8	Y	TMACS
1	1/24/93	2	1		104.1	N	
1	1/24/93	3	1		95.5	N	
1	1/24/93	4	1		82.9	N	
1	1/24/93	5	1		81.3	N	
1	1/24/93	6	1		81.6	N	
1	1/24/93	7	1		82.4	N	
1	1/24/93	8	1		83.4	N	
1	1/24/93	9	1		78.9	N	
1	1/24/93	10	1		78.9	N	
1	1/31/93	1	1		111.02	Y	TMACS
1	1/31/93	2	1		104.36	N	
1	1/31/93	3	1		95.73	N	
1	1/31/93	4	1		82.76	N	
1	1/31/93	5	1		81.5	N	
1	1/31/93	6	1		81.68	N	
1	1/31/93	7	1		82.4	N	
1	1/31/93	8	1		83.66	N	
1	1/31/93	9	1		78.44	N	
1	1/31/93	10	1		78.62	N	
1	2/8/93	1	1		110.84	Y	TMACS
1	2/8/93	2	1		103.82	N	
1	2/8/93	3	1		95.36	N	
1	2/8/93	4	1		82.22	N	
1	2/8/93	5	1		80.6	N	
1	2/8/93	6	1		80.96	N	
1	2/8/93	7	1		81.68	N	
1	2/8/93	8	1		82.94	N	
1	2/8/93	9	1		78.26	N	
1	2/8/93	10	1		78.26	N	
1	2/15/93	1	1		111	Y	TMACS
1	2/15/93	2	1		104	N	
1	2/15/93	3	1		95.5	N	
1	2/15/93	4	1		82.2	N	
1	2/15/93	5	1		80.6	N	
1	2/15/93	6	1		81.1	N	
1	2/15/93	7	1		81.9	N	
1	2/15/93	8	1		82.9	N	
1	2/15/93	9	1		77.9	N	
1	2/15/93	10	1		77.7	N	
1	2/21/93	1	1		109.94	Y	TMACS
1	2/21/93	2	1		103.1	N	
1	2/21/93	3	1		94.1	N	
1	2/21/93	4	1		80.78	N	
1	2/21/93	5	1		79.52	N	
1	2/21/93	6	1		80.06	N	
1	2/21/93	7	1		80.78	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	2/21/93	8	1		81.68	N	
1	2/21/93	9	1		77.36	N	
1	2/21/93	10	1		77.18	N	
1	3/1/93	1	1		110.48	Y	TMACS
1	3/1/93	2	1		103.46	N	
1	3/1/93	3	1		94.46	N	
1	3/1/93	4	1		81.14	N	
1	3/1/93	5	1		79.7	N	
1	3/1/93	6	1		80.06	N	
1	3/1/93	7	1		80.96	N	
1	3/1/93	8	1		82.04	N	
1	3/1/93	9	1		76.82	N	
1	3/1/93	10	1		76.82	N	
1	3/8/93	1	1		110.3	Y	TMACS
1	3/8/93	2	1		103.46	N	
1	3/8/93	3	1		94.28	N	
1	3/8/93	4	1		81.14	N	
1	3/8/93	5	1		79.52	N	
1	3/8/93	6	1		79.7	N	
1	3/8/93	7	1		80.42	N	
1	3/8/93	8	1		81.5	N	
1	3/8/93	9	1		77	N	
1	3/8/93	10	1		77.18	N	
1	3/15/93	1	1		110.48	Y	TMACS
1	3/15/93	2	1		103.1	N	
1	3/15/93	3	1		94.1	N	
1	3/15/93	4	1		80.96	N	
1	3/15/93	5	1		79.16	N	
1	3/15/93	6	1		79.52	N	
1	3/15/93	7	1		80.24	N	
1	3/15/93	8	1		81.32	N	
1	3/15/93	9	1		77.18	N	
1	3/15/93	10	1		76.64	N	
1	3/22/93	1	1		110.12	Y	TMACS
1	3/22/93	2	1		103.1	N	
1	3/22/93	3	1		93.92	N	
1	3/22/93	4	1		80.96	N	
1	3/22/93	5	1		78.98	N	
1	3/22/93	6	1		79.34	N	
1	3/22/93	7	1		80.06	N	
1	3/22/93	8	1		81.32	N	
1	3/22/93	9	1		76.82	N	
1	3/22/93	10	1		76.64	N	
1	3/29/93	1	1		110.3	Y	TMACS
1	3/29/93	2	1		102.92	N	
1	3/29/93	3	1		94.1	N	
1	3/29/93	4	1		80.96	N	
1	3/29/93	5	1		79.34	N	
1	3/29/93	6	1		79.52	N	
1	3/29/93	7	1		80.24	N	
1	3/29/93	8	1		81.68	N	
1	3/29/93	9	1		75.92	N	
1	3/29/93	10	1		76.28	N	
1	4/5/93	1	1		109.58	Y	TMACS
1	4/5/93	2	1		102.38	N	
1	4/5/93	3	1		93.2	N	
1	4/5/93	4	1		80.06	N	
1	4/5/93	5	1		78.44	N	
1	4/5/93	6	1		78.62	N	
1	4/5/93	7	1		79.7	N	
1	4/5/93	8	1		80.78	N	
1	4/5/93	9	1		76.28	N	
1	4/5/93	10	1		76.1	N	
1	4/12/93	1	1		109.76	Y	TMAC
1	4/12/93	2	1		102.74	N	
1	4/12/93	3	1		93.38	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	4/12/93	4	1		80.78	N	
1	4/12/93	5	1		78.8	N	
1	4/12/93	6	1		78.98	N	
1	4/12/93	7	1		79.88	N	
1	4/12/93	8	1		81.14	N	
1	4/12/93	9	1		76.46	N	
1	4/12/93	10	1		76.46	N	
1	4/19/93	1	1		109.4	Y	TMACS
1	4/19/93	2	1		102.38	N	
1	4/19/93	3	1		93.2	N	
1	4/19/93	4	1		80.78	N	
1	4/19/93	5	1		78.98	N	
1	4/19/93	6	1		79.34	N	
1	4/19/93	7	1		79.7	N	
1	4/19/93	8	1		81.14	N	
1	4/19/93	9	1		76.46	N	
1	4/19/93	10	1		76.46	N	
1	4/25/93	1	1		109.22	Y	TMACS
1	4/25/93	2	1		102.2	N	
1	4/25/93	3	1		93.02	N	
1	4/25/93	4	1		80.6	N	
1	4/25/93	5	1		78.98	N	
1	4/25/93	6	1		79.16	N	
1	4/25/93	7	1		80.06	N	
1	4/25/93	8	1		81.14	N	
1	4/25/93	9	1		76.46	N	
1	4/25/93	10	1		76.46	N	
1	5/3/93	1	1		109.58	Y	TMACS
1	5/3/93	2	1		102.38	N	
1	5/3/93	3	1		93.56	N	
1	5/3/93	4	1		81.5	N	
1	5/3/93	5	1		79.7	N	
1	5/3/93	6	1		79.88	N	
1	5/3/93	7	1		80.78	N	
1	5/3/93	8	1		81.68	N	
1	5/3/93	9	1		76.46	N	
1	5/3/93	10	1		76.46	N	
1	5/10/93	1	1		109.4	Y	TMACS
1	5/10/93	2	1		102.2	N	
1	5/10/93	3	1		93.2	N	
1	5/10/93	4	1		81.14	N	
1	5/10/93	5	1		79.52	N	
1	5/10/93	6	1		79.52	N	
1	5/10/93	7	1		80.78	N	
1	5/10/93	8	1		81.68	N	
1	5/10/93	9	1		77.18	N	
1	5/10/93	10	1		77.18	N	
1	5/17/93	1	1		109.04	Y	TMACS
1	5/17/93	2	1		101.66	N	
1	5/17/93	3	1		92.84	N	
1	5/17/93	4	1		81.5	N	
1	5/17/93	5	1		79.52	N	
1	5/17/93	6	1		79.52	N	
1	5/17/93	7	1		80.24	N	
1	5/17/93	8	1		81.86	N	
1	5/17/93	9	1		77	N	
1	5/17/93	10	1		77.18	N	
1	5/24/93	1	1		108.86	Y	TMACS
1	5/24/93	2	1		101.66	N	
1	5/24/93	3	1		93.2	N	
1	5/24/93	4	1		81.68	N	
1	5/24/93	5	1		80.06	N	
1	5/24/93	6	1		80.06	N	
1	5/24/93	7	1		80.96	N	
1	5/24/93	8	1		81.86	N	
1	5/24/93	9	1		77.54	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	5/24/93	10	1		77.72	N	
1	5/31/93	1	1		109.04	Y	TMACS
1	5/31/93	2	1		101.84	N	
1	5/31/93	3	1		93.38	N	
1	5/31/93	4	1		82.22	N	
1	5/31/93	5	1		80.06	N	
1	5/31/93	6	1		80.42	N	
1	5/31/93	7	1		81.32	N	
1	5/31/93	8	1		82.58	N	
1	5/31/93	9	1		78.08	N	
1	5/31/93	10	1		77.9	N	
1	6/7/93	1	1		108.68	Y	TMACS
1	6/7/93	2	1		101.48	N	
1	6/7/93	3	1		93.38	N	
1	6/7/93	4	1		82.22	N	
1	6/7/93	5	1		80.6	N	
1	6/7/93	6	1		80.78	N	
1	6/7/93	7	1		81.5	N	
1	6/7/93	8	1		82.94	N	
1	6/7/93	9	1		78.26	N	
1	6/7/93	10	1		78.08	N	
1	6/14/93	1	1		108.68	Y	TMACS
1	6/14/93	2	1		101.66	N	
1	6/14/93	3	1		93.56	N	
1	6/14/93	4	1		82.94	N	
1	6/14/93	5	1		81.14	N	
1	6/14/93	6	1		81.14	N	
1	6/14/93	7	1		81.86	N	
1	6/14/93	8	1		83.48	N	
1	6/14/93	9	1		78.62	N	
1	6/14/93	10	1		78.8	N	
1	6/21/93	1	1		108.68	Y	TMACS
1	6/21/93	2	1		101.48	N	
1	6/21/93	3	1		93.56	N	
1	6/21/93	4	1		82.94	N	
1	6/21/93	5	1		81.14	N	
1	6/21/93	6	1		81.68	N	
1	6/21/93	7	1		82.76	N	
1	6/21/93	8	1		84.02	N	
1	6/21/93	9	1		78.98	N	
1	6/21/93	10	1		78.98	N	
1	6/28/93	1	1		108.32	Y	TMACS
1	6/28/93	2	1		101.48	N	
1	6/28/93	3	1		93.39	N	
1	6/28/93	4	1		83.3	N	
1	6/28/93	5	1		81.68	N	
1	6/28/93	6	1		81.68	N	
1	6/28/93	7	1		82.76	N	
1	6/28/93	8	1		84.02	N	
1	6/28/93	9	1		79.52	N	
1	6/28/93	10	1		79.7	N	
1	7/5/93	1	1		108.32	Y	TMACS
1	7/5/93	2	1		101.66	N	
1	7/5/93	3	1		93.74	N	
1	7/5/93	4	1		83.84	N	
1	7/5/93	5	1		82.22	N	
1	7/5/93	6	1		82.4	N	
1	7/5/93	7	1		83.3	N	
1	7/5/93	8	1		84.56	N	
1	7/5/93	9	1		79.7	N	
1	7/5/93	10	1		79.88	N	
1	7/12/93	1	1		108.32	Y	TMACS
1	7/12/93	2	1		101.48	N	
1	7/12/93	3	1		93.74	N	
1	7/12/93	4	1		84.02	N	
1	7/12/93	5	1		82.22	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	7/12/93	6	1		82.58	N	
1	7/12/93	7	1		83.3	N	
1	7/12/93	8	1		84.56	N	
1	7/12/93	9	1		80.42	N	
1	7/12/93	10	1		80.6	N	
1	7/19/93	1	1		108.32	Y	TMACS
1	7/19/93	2	1		101.66	N	
1	7/19/93	3	1		93.74	N	
1	7/19/93	4	1		84.38	N	
1	7/19/93	5	1		82.76	N	
1	7/19/93	6	1		83.12	N	
1	7/19/93	7	1		84.02	N	
1	7/19/93	8	1		85.28	N	
1	7/19/93	9	1		80.42	N	
1	7/19/93	10	1		80.6	N	
1	7/26/93	1	1		108.32	Y	TMACS
1	7/26/93	2	1		101.3	N	
1	7/26/93	3	1		93.74	N	
1	7/26/93	4	1		84.38	N	
1	7/26/93	5	1		82.94	N	
1	7/26/93	6	1		82.94	N	
1	7/26/93	7	1		83.84	N	
1	7/26/93	8	1		84.92	N	
1	7/26/93	9	1		81.14	N	
1	7/26/93	10	1		81.14	N	
1	8/2/93	1	1		108.32	Y	TMACS
1	8/2/93	2	1		101.84	N	
1	8/2/93	3	1		94.1	N	
1	8/2/93	4	1		84.74	N	
1	8/2/93	5	1		83.12	N	
1	8/2/93	6	1		83.3	N	
1	8/2/93	7	1		84.56	N	
1	8/2/93	8	1		85.46	N	
1	8/2/93	9	1		81.14	N	
1	8/2/93	10	1		81.68	N	
1	8/9/93	1	1		108.5	Y	TMACS
1	8/9/93	2	1		101.84	N	
1	8/9/93	3	1		94.28	N	
1	8/9/93	4	1		85.1	N	
1	8/9/93	5	1		83.84	N	
1	8/9/93	6	1		84.2	N	
1	8/9/93	7	1		85.28	N	
1	8/9/93	8	1		86.72	N	
1	8/9/93	9	1		81.68	N	
1	8/9/93	10	1		81.68	N	
1	8/15/93	1	1		108.68	Y	tmacs
1	8/15/93	2	1		102.2	N	
1	8/15/93	3	1		94.82	N	
1	8/15/93	4	1		85.82	N	
1	8/15/93	5	1		84.38	N	
1	8/15/93	6	1		84.56	N	
1	8/15/93	7	1		85.46	N	
1	8/15/93	8	1		86.72	N	
1	8/15/93	9	1		82.04	N	
1	8/15/93	10	1		82.04	N	
1	8/23/93	1	1		108.14	Y	TMACS
1	8/23/93	2	1		101.66	N	
1	8/23/93	3	1		94.46	N	
1	8/23/93	4	1		85.46	N	
1	8/23/93	5	1		83.84	N	
1	8/23/93	6	1		84.02	N	
1	8/23/93	7	1		85.28	N	
1	8/23/93	8	1		86.36	N	
1	8/23/93	9	1		82.22	N	
1	8/23/93	10	1		82.22	N	
1	8/26/93	1	1		108.1	Y	J TYPE

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/26/93	2	1		101.8	N	
1	8/26/93	3	1		94.5	N	
1	8/26/93	4	1		85.6	N	
1	8/26/93	5	1		84.2	N	
1	8/26/93	6	1		84.4	N	
1	8/26/93	7	1		85.3	N	
1	8/26/93	8	1		86.4	N	
1	8/26/93	9	1		82.2	N	
1	8/26/93	10	1		82.4	N	
1	8/30/93	1	1		108.32	Y	TMACS
1	8/30/93	2	1		102.02	N	
1	8/30/93	3	1		94.82	N	
1	8/30/93	4	1		86	N	
1	8/30/93	5	1		84.56	N	
1	8/30/93	6	1		84.74	N	
1	8/30/93	7	1		85.82	N	
1	8/30/93	8	1		86.72	N	
1	8/30/93	9	1		82.76	N	
1	8/30/93	10	1		82.94	N	
1	9/6/93	1	1		108.86	Y	TMACS
1	9/6/93	2	1		102.38	N	
1	9/6/93	3	1		95.36	N	
1	9/6/93	4	1		86.54	N	
1	9/6/93	5	1		84.74	N	
1	9/6/93	6	1		85.1	N	
1	9/6/93	7	1		86.36	N	
1	9/6/93	8	1		87.62	N	
1	9/6/93	9	1		82.76	N	
1	9/6/93	10	1		82.94	N	
1	9/12/93	1	1		108.68	Y	TMACS
1	9/12/93	2	1		102.38	N	
1	9/12/93	3	1		95.54	N	
1	9/12/93	4	1		86.9	N	
1	9/12/93	5	1		85.64	N	
1	9/12/93	6	1		85.64	N	
1	9/12/93	7	1		86.9	N	
1	9/12/93	8	1		87.98	N	
1	9/12/93	9	1		83.12	N	
1	9/12/93	10	1		83.3	N	
1	9/19/93	1	1		108.68	Y	TMACS
1	9/19/93	2	1		102.56	N	
1	9/19/93	3	1		95.72	N	
1	9/19/93	4	1		86.9	N	
1	9/19/93	5	1		85.64	N	
1	9/19/93	6	1		85.64	N	
1	9/19/93	7	1		86.72	N	
1	9/19/93	8	1		87.98	N	
1	9/19/93	9	1		83.3	N	
1	9/19/93	10	1		83.3	N	
1	9/26/93	1	1		109.04	Y	TMACS
1	9/26/93	2	1		102.74	N	
1	9/26/93	3	1		96.08	N	
1	9/26/93	4	1		87.62	N	
1	9/26/93	5	1		86	N	
1	9/26/93	6	1		86.18	N	
1	9/26/93	7	1		87.26	N	
1	9/26/93	8	1		88.34	N	
1	9/26/93	9	1		83.48	N	
1	9/26/93	10	1		83.48	N	
1	10/3/93	1	1		108.86	Y	TMACS
1	10/3/93	2	1		102.56	N	
1	10/3/93	3	1		95.9	N	
1	10/3/93	4	1		87.26	N	
1	10/3/93	5	1		85.64	N	
1	10/3/93	6	1		86	N	
1	10/3/93	7	1		87.08	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-108							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	10/3/93	8	1		88.16	N	
1	10/3/93	9	1		84.02	N	
1	10/3/93	10	1		84.02	N	
1	10/10/93	1	1		109.04	Y	TMACS
1	10/10/93	2	1		103.1	N	
1	10/10/93	3	1		96.26	N	
1	10/10/93	4	1		87.44	N	
1	10/10/93	5	1		86.18	N	
1	10/10/93	6	1		86.54	N	
1	10/10/93	7	1		87.44	N	
1	10/10/93	8	1		88.7	N	
1	10/10/93	9	1		83.66	N	
1	10/10/93	10	1		83.84	N	
1	10/19/93	1	1		108.9	Y	TMACS
1	10/19/93	2	1		103.1	N	
1	10/19/93	3	1		96.3	N	
1	10/19/93	4	1		86.7	N	
1	10/19/93	5	1		85.6	N	
1	10/19/93	6	1		86	N	
1	10/19/93	7	1		86.7	N	
1	10/19/93	8	1		88.2	N	
1	10/19/93	9	1		84	N	
1	10/19/93	10	1		84	N	
1	10/25/93	1	1		109.4	Y	TMACS
1	10/25/93	2	1		103.46	N	
1	10/25/93	3	1		96.44	N	
1	10/25/93	4	1		87.44	N	
1	10/25/93	5	1		86.36	N	
1	10/25/93	6	1		86.72	N	
1	10/25/93	7	1		87.44	N	
1	10/25/93	8	1		88.7	N	
1	10/25/93	9	1		83.3	N	
1	10/25/93	10	1		83.12	N	
1	11/1/93	1	1		109.4	Y	TMACS
1	11/1/93	2	1		103.28	N	
1	11/1/93	3	1		96.44	N	
1	11/1/93	4	1		86.72	N	
1	11/1/93	5	1		85.82	N	
1	11/1/93	6	1		86	N	
1	11/1/93	7	1		87.08	N	
1	11/1/93	8	1		88.34	N	
1	11/1/93	9	1		83.66	N	
1	11/1/93	10	1		83.3	N	
1	11/8/93	1	1		109.58	Y	TMACS
1	11/8/93	2	1		103.64	N	
1	11/8/93	3	1		96.62	N	
1	11/8/93	4	1		86.9	N	
1	11/8/93	5	1		86	N	
1	11/8/93	6	1		86.36	N	
1	11/8/93	7	1		87.08	N	
1	11/8/93	8	1		88.16	N	
1	11/8/93	9	1		83.12	N	
1	11/8/93	10	1		82.94	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 2, 1993.

TANK 241-BY-109							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/12/73	17			46		
1	11/12/73	18			59		
1	11/12/73	19			79		
1	11/21/73	17			190		
1	11/21/73	18			80		
1	12/10/73	17			179		
1	12/10/73	18			75		
1	12/10/73	19			73		
1	12/17/73	8					186 - suspect data (high)
1	12/17/73	9			78		
1	12/17/73	10			71		
1	12/20/73	8					178 - suspect data (high)
1	12/20/73	9			70		
1	12/20/73	11			72		
1	12/20/73	15			75		
1	1/4/74	17			167		
1	1/4/74	18			64		
1	1/4/74	19			65		
1	5/7/76	1	1		132	N	
1	5/7/76	2	1		121	N	
1	5/7/76	3	1		137	Y	
1	5/7/76	4	1		109	N	
1	5/7/76	5	1		91	N	
1	5/7/76	6	1		126	N	
1	5/7/76	7	1		92	N	
1	5/7/76	8	1		96	N	
1	5/7/76	10	1		98	N	
1	5/7/76	11	1		92	N	
1	5/7/76	12	1		84	N	
1	6/9/76	1	1		129	N	
1	6/9/76	2	1		119	N	
1	6/9/76	3	1		138	Y	
1	6/9/76	4	1		103	N	
1	6/9/76	5	1		78	N	
1	6/9/76	6	1		111	N	
1	6/9/76	7	1		81	N	
1	6/9/76	8	1		89	N	
1	6/9/76	10	1		94	N	
1	6/9/76	11	1		87	N	
1	6/9/76	12	1		74	N	
1	8/28/76	1	1		59	N	
1	8/28/76	2	1		60	N	
1	8/28/76	3	1		51	N	
1	8/28/76	4	1		92	Y	
1	8/28/76	5	1		86	N	
1	8/28/76	6	1		79	N	
1	8/28/76	7	1		90	N	
1	8/28/76	8	1		90	N	
1	8/28/76	10	1		82	N	
1	8/28/76	11	1		81	N	
1	8/28/76	12	1		93	N	
1	9/13/76	1	1			N	O/S
1	11/7/76	1	1			N	O/S
1	12/9/76	1	1			N	O/S
1	1/3/77	1	1			N	O/S
1	3/28/77	1	1		55	N	
1	3/28/77	2	1		55	N	
1	3/28/77	4	1		62	N	
1	4/27/77	1	1		68	N	
1	4/27/77	2	1		68	N	
1	4/27/77	4	1		80	N	
1	6/30/77	1	1		70	N	
1	6/30/77	2	1		70	N	
1	6/30/77	4	1		84	N	
1	8/15/77	1	1		84	N	
1	8/15/77	2	1		84	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 28, 1993.

TANK 241-BY-109							
THERMOCOUPLE DATA							
TREE #	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/15/77	3	1			Y	110 - suspect data (high)
1	8/15/77	4	1		95	Y	
1	9/12/77	7	1		65	N	
1	9/12/77	8	1		65	N	
1	9/12/77	10	1			N	
1	10/7/77	1	1			N	O/S
1	12/7/77	1	1			N	O/S
1	1/29/78	1	1		60	Y	
1	1/29/78	2	1		59	N	
1	3/26/78	1	1		61	Y	
1	3/26/78	2	1		61	N	
1	3/26/78	3	1		60	N	
1	3/26/78	4	1		61	N	
1	4/23/78	1	1		62	Y	
1	4/23/78	2	1		62	N	
1	4/23/78	3	1		62	N	
1	4/23/78	4	1		62	N	
1	6/17/78	1	1		55	Y	
1	6/17/78	2	1		55	N	
1	6/17/78	3	1		55	N	
1	6/17/78	4	1		55	N	
1	7/16/78	1	1		60	Y	
1	7/16/78	2	1		60	N	
1	7/16/78	3	1		60	N	
1	7/16/78	4	1		60	N	
1	7/16/78	5	1		60	N	
1	7/16/78	6	1		60	N	
1	7/16/78	7	1		60	N	
1	7/16/78	8	1		60	N	
1	7/16/78	9	1		60	N	
1	7/16/78	10	1		60	N	
1	7/16/78	11	1		60	N	
1	7/16/78	12	1		60	N	
1	8/13/78	1	1		66	Y	
1	8/13/78	2	1		66	N	
1	8/13/78	3	1		66	N	
1	8/13/78	4	1		66	N	
1	9/10/78	1	1		61	Y	
1	9/10/78	2	1		61	N	
1	9/10/78	3	1		61	N	
1	9/10/78	4	1		61	N	
1	12/3/78	1	1			N	O/S
1	12/26/78	1	1		64	Y	
1	12/26/78	2	1		64	N	
1	12/26/78	3	1		63	N	
1	12/26/78	4	1		62	N	
1	10/27/91	1	1		72.3	Y	J-910126143-42 LOW
1	11/2/91	1	1		86	Y	
1	11/19/91	1	1			N	O/S NO TC TREEE
1	12/1/91	1	1		87.2	Y	LOW K-890723679-64
1	7/2/92	1	1			N	O/S NO TC TREE
1	1/1/93	1	1			N	O/S NO TC TREE

Data obtained from WHC Surveillance Analysis Computer System (SACS), June 28, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/12/73	1			201		
1	11/12/73	2			210		
1	11/12/73	3			202		
1	11/12/73	4			202		
1	11/12/73	5			190		
1	11/12/73	6			180		
1	11/12/73	7					88 - suspect data (low)
1	11/12/73	8			162		
1	11/12/73	9			155		
1	11/12/73	10			154		
1	11/12/73	11			103		
1	11/12/73	12			103		
1	11/12/73	13			103		
1	11/21/73	9		71	159.8		raw data - assumed degree C
1	11/21/73	10		69	156.2		raw data - assumed degree C
1	11/21/73	11		47	116.6		raw data - assumed degree C
1	11/21/73	12		36	96.8		raw data - assumed degree C
1	11/21/73	13		35	95		raw data - assumed degree C
1	11/21/73	14		36	96.8		raw data - assumed degree C
1	12/10/73	1		95	203		raw data - assumed degree C
1	12/10/73	2		95	203		raw data - assumed degree C
1	12/10/73	3		94	201.2		raw data - assumed degree C
1	12/10/73	4		91	195.8		raw data - assumed degree C
1	12/10/73	5		87	188.6		raw data - assumed degree C
1	12/10/73	6		81	177.8		raw data - assumed degree C
1	12/10/73	7		70	158		raw data - assumed degree C
1	12/10/73	8		70	158		raw data - assumed degree C
1	12/10/73	9		69	156.2		raw data - assumed degree C
1	12/10/73	10		66	150.8		raw data - assumed degree C
1	12/10/73	11		44	111.2		raw data - assumed degree C
1	12/10/73	12		30	86		raw data - assumed degree C
1	12/10/73	13		30	86		raw data - assumed degree C
1	12/10/73	14		30	86		raw data - assumed degree C
1	12/17/73	1		101	213.8		raw data - assumed degree C
1	12/17/73	2		104	219.2		raw data - assumed degree C
1	12/17/73	3		101	213.8		raw data - assumed degree C
1	12/17/73	4		100	212		raw data - assumed degree C
1	12/17/73	5		94	201.2		raw data - assumed degree C
1	12/17/73	6		88	190.4		raw data - assumed degree C
1	12/17/73	7		80	176		raw data - assumed degree C
1	12/17/73	8		75	167		raw data - assumed degree C
1	12/17/73	9		75	167		raw data - assumed degree C
1	12/17/73	10		70	158		raw data - assumed degree C
1	12/17/73	11		50	122		raw data - assumed degree C
1	12/17/73	12		35	95		raw data - assumed degree C
1	12/17/73	13		35	95		raw data - assumed degree C
1	12/17/73	14		35	95		raw data - assumed degree C
1	12/20/73	1		104	219.2		raw data - assumed degree C
1	12/20/73	2		107	224.6		raw data - assumed degree C
1	12/20/73	3		103	217.4		raw data - assumed degree C
1	12/20/73	4		100	212		raw data - assumed degree C
1	12/20/73	5		91	195.8		raw data - assumed degree C
1	12/20/73	6		83	181.4		raw data - assumed degree C
1	12/20/73	7		83	181.4		raw data - assumed degree C
1	12/20/73	8		79	174.2		raw data - assumed degree C
1	12/20/73	9		78	172.4		raw data - assumed degree C
1	12/20/73	10		75	167		raw data - assumed degree C
1	12/20/73	11		52	125.6		raw data - assumed degree C
1	12/20/73	12		39	102.2		raw data - assumed degree C
1	12/20/73	13		39	102.2		raw data - assumed degree C
1	12/20/73	14		39	102.2		raw data - assumed degree C
1	12/20/73	15		83	181.4		raw data - assumed degree C
1	8/5/74	1	1	68	154.4	Y	degree C/TWINS confirm
1	8/5/74	2	1	68	154.4	N	degree C/TWINS confirm
1	8/5/74	3	1	68	154.4	N	degree C/TWINS confirm
1	8/5/74	4	1	60	140	N	degree C/TWINS confirm

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110 THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/5/74	5	1	53	127.4	N	degree C/TWINS confirm
1	8/5/74	6	1	46	114.8	N	degree C/TWINS confirm
1	8/5/74	7	1			N	37 - suspect data (low)
1	8/5/74	8	1	44	111.2	N	degree C/TWINS confirm
1	8/5/74	9	1	42	107.6	N	degree C/TWINS confirm
1	8/5/74	10	1	42	107.6	N	degree C/TWINS confirm
1	8/5/74	11	1	30	86	N	degree C/TWINS confirm
1	8/5/74	12	1	26	78.8	N	degree C/TWINS confirm
1	8/5/74	13	1	26	78.8	N	degree C/TWINS confirm
1	8/5/74	14	1	26	78.8	N	degree C/TWINS confirm
1	9/12/74	1	1	87	188.6	Y	degree C/TWINS confirm
1	9/12/74	2	1	87	188.6	N	degree C/TWINS confirm
1	9/12/74	3	1	83	181.4	N	degree C/TWINS confirm
1	9/12/74	4	1	78	172.4	N	degree C/TWINS confirm
1	9/12/74	5	1	70	158	N	degree C/TWINS confirm
1	9/12/74	6	1	62	143.6	N	degree C/TWINS confirm
1	9/12/74	7	1	52	125.6	N	degree C/TWINS confirm
1	9/12/74	8	1	50	122	N	degree C/TWINS confirm
1	9/12/74	9	1	50	122	N	degree C/TWINS confirm
1	9/12/74	10	1	49	120.2	N	degree C/TWINS confirm
1	9/12/74	11	1	34	93.2	N	degree C/TWINS confirm
1	9/12/74	12	1	26	78.8	N	degree C/TWINS confirm
1	9/12/74	13	1	26	78.8	N	degree C/TWINS confirm
1	9/12/74	14	1	26	78.8	N	degree C/TWINS confirm
1	10/8/74	1	1	81	177.8	Y	degree C/TWINS confirm
1	10/8/74	2	1	81	177.8	N	degree C/TWINS confirm
1	10/8/74	3	1	78	172.4	N	degree C/TWINS confirm
1	10/8/74	4	1	72	161.6	N	degree C/TWINS confirm
1	10/8/74	5	1	65	149	N	degree C/TWINS confirm
1	10/8/74	6	1	58	136.4	N	degree C/TWINS confirm
1	10/8/74	7	1	48	118.4	N	degree C/TWINS confirm
1	10/8/74	8	1	46	114.8	N	degree C/TWINS confirm
1	10/8/74	9	1	46	114.8	N	degree C/TWINS confirm
1	10/8/74	10	1	46	114.8	N	degree C/TWINS confirm
1	10/8/74	11	1	30	86	N	degree C/TWINS confirm
1	10/8/74	12	1	22	71.6	N	degree C/TWINS confirm
1	10/8/74	13	1	22	71.6	N	degree C/TWINS confirm
1	10/8/74	14	1	22	71.6	N	degree C/TWINS confirm
1	10/29/74	1	1	85	185	Y	degree C/TWINS confirm
1	10/29/74	2	1	85	185	N	degree C/TWINS confirm
1	10/29/74	3	1	82	179.6	N	degree C/TWINS confirm
1	10/29/74	4	1	76	168.8	N	degree C/TWINS confirm
1	10/29/74	5	1	69	156.2	N	degree C/TWINS confirm
1	10/29/74	6	1	61	141.8	N	degree C/TWINS confirm
1	10/29/74	7	1	52	125.6	N	degree C/TWINS confirm
1	10/29/74	8	1	51	123.8	N	degree C/TWINS confirm
1	10/29/74	9	1	51	123.8	N	degree C/TWINS confirm
1	10/29/74	10	1	50	122	N	degree C/TWINS confirm
1	10/29/74	11	1	34	93.2	N	degree C/TWINS confirm
1	10/29/74	12	1	28	82.4	N	degree C/TWINS confirm
1	10/29/74	13	1	28	82.4	N	degree C/TWINS confirm
1	10/29/74	14	1	28	82.4	N	degree C/TWINS confirm
1	11/12/74	1	1	83	181.4	Y	degree C/TWINS confirm
1	11/12/74	2	1	83	181.4	N	degree C/TWINS confirm
1	11/12/74	3	1	80	176	N	degree C/TWINS confirm
1	11/12/74	4	1	74	165.2	N	degree C/TWINS confirm
1	11/12/74	5	1	66	150.8	N	degree C/TWINS confirm
1	11/12/74	6	1	58	136.4	N	degree C/TWINS confirm
1	11/12/74	7	1	49	120.2	N	degree C/TWINS confirm
1	11/12/74	8	1	48	118.4	N	degree C/TWINS confirm
1	11/12/74	9	1	49	120.2	N	degree C/TWINS confirm
1	11/12/74	10	1	48	118.4	N	degree C/TWINS confirm
1	11/12/74	11	1	30	86	N	degree C/TWINS confirm
1	11/12/74	12	1	22	71.6	N	degree C/TWINS confirm
1	11/12/74	13	1	22	71.6	N	degree C/TWINS confirm
1	11/12/74	14	1	22	71.6	N	degree C/TWINS confirm

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/26/74	1	1	82	179.6	Y	degree C/TWINS confirm
1	11/26/74	2	1	82	179.6	N	degree C/TWINS confirm
1	11/26/74	3	1	78	172.4	N	degree C/TWINS confirm
1	11/26/74	4	1	72	161.6	N	degree C/TWINS confirm
1	11/26/74	5	1	66	150.8	N	degree C/TWINS confirm
1	11/26/74	6	1	58	136.4	N	degree C/TWINS confirm
1	11/26/74	7	1	50	122	N	degree C/TWINS confirm
1	11/26/74	8	1	46	114.8	N	degree C/TWINS confirm
1	11/26/74	9	1	46	114.8	N	degree C/TWINS confirm
1	11/26/74	10	1	46	114.8	N	degree C/TWINS confirm
1	11/26/74	11	1	32	89.6	N	degree C/TWINS confirm
1	11/26/74	12	1	22	71.6	N	degree C/TWINS confirm
1	11/26/74	13	1	22	71.6	N	degree C/TWINS confirm
1	11/26/74	14	1	22	71.6	N	degree C/TWINS confirm
1	12/11/74	1	1	81.67	179.006	Y	degree C/TWINS confirm
1	12/11/74	2	1	81.11	177.998	N	degree C/TWINS confirm
1	12/11/74	3	1	77.78	172.004	N	degree C/TWINS confirm
1	12/11/74	4	1	72.22	161.996	N	degree C/TWINS confirm
1	12/11/74	5	1	65.56	150.008	N	degree C/TWINS confirm
1	12/11/74	6	1	57.78	136.004	N	degree C/TWINS confirm
1	12/11/74	7	1	48.89	120.002	N	degree C/TWINS confirm
1	12/11/74	8	1	45.56	114.008	N	degree C/TWINS confirm
1	12/11/74	9	1	45.56	114.008	N	degree C/TWINS confirm
1	12/11/74	10	1	45	113	N	degree C/TWINS confirm
1	12/11/74	11	1	27.78	82.004	N	degree C/TWINS confirm
1	12/11/74	12	1	19.44	66.992	N	degree C/TWINS confirm
1	12/11/74	13	1	20	68	N	degree C/TWINS confirm
1	12/11/74	14	1	20	68	N	degree C/TWINS confirm
1	12/17/74	1	1	82.22	179.996	Y	degree C/TWINS confirm
1	12/17/74	2	1	82.22	179.996	N	degree C/TWINS confirm
1	12/17/74	3	1	75	167	N	degree C/TWINS confirm
1	12/17/74	4	1	73.33	163.994	N	degree C/TWINS confirm
1	12/17/74	5	1	67.22	152.996	N	degree C/TWINS confirm
1	12/17/74	6	1	58.89	138.002	N	degree C/TWINS confirm
1	12/17/74	7	1	50	122	N	degree C/TWINS confirm
1	12/17/74	8	1	47.78	118.004	N	degree C/TWINS confirm
1	12/17/74	9	1	47.78	118.004	N	degree C/TWINS confirm
1	12/17/74	10	1	46.67	116.006	N	degree C/TWINS confirm
1	12/17/74	11	1	28.89	84.002	N	degree C/TWINS confirm
1	12/17/74	12	1	20	68	N	degree C/TWINS confirm
1	12/31/74	1	1	84.44	183.992	Y	degree C/TWINS confirm
1	12/31/74	2	1	84.44	183.992	N	degree C/TWINS confirm
1	12/31/74	3	1	80.56	177.008	N	degree C/TWINS confirm
1	12/31/74	4	1	75.56	168.008	N	degree C/TWINS confirm
1	12/31/74	5	1	68.33	154.994	N	degree C/TWINS confirm
1	12/31/74	6	1	60.56	141.008	N	degree C/TWINS confirm
1	12/31/74	7	1	52.22	125.996	N	degree C/TWINS confirm
1	12/31/74	8	1	48.89	120.002	N	degree C/TWINS confirm
1	12/31/74	9	1	48.89	120.002	N	degree C/TWINS confirm
1	12/31/74	10	1	47.22	116.996	N	degree C/TWINS confirm
1	12/31/74	11	1	28.89	84.002	N	degree C/TWINS confirm
1	12/31/74	12	1	21.11	69.998	N	degree C/TWINS confirm
1	12/31/74	13	1	21.11	69.998	N	degree C/TWINS confirm
1	12/31/74	14	1	21.11	69.998	N	degree C/TWINS confirm
1	1/8/75	1	1	80	176	Y	degree C/TWINS confirm
1	1/8/75	2	1	79.44	174.992	N	degree C/TWINS confirm
1	1/8/75	3	1	76.67	170.006	N	degree C/TWINS confirm
1	1/8/75	4	1	71.11	159.998	N	degree C/TWINS confirm
1	1/8/75	5	1	64.44	147.992	N	degree C/TWINS confirm
1	1/8/75	6	1	58.33	136.994	N	degree C/TWINS confirm
1	1/8/75	7	1	48.89	120.002	N	degree C/TWINS confirm
1	1/8/75	8	1	47.22	116.996	N	degree C/TWINS confirm
1	1/8/75	9	1	47.22	116.996	N	degree C/TWINS confirm
1	1/8/75	10	1	46.11	114.998	N	degree C/TWINS confirm
1	1/8/75	11	1	28.89	84.002	N	degree C/TWINS confirm
1	1/8/75	12	1	18.89	66.002	N	degree C/TWINS confirm

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/8/75	13	1	18.89	66.002	N	degree C/TWINS confirm
1	1/21/75	1	1	96	204.8	Y	degree C/TWINS confirm
1	1/21/75	2	1	95	203	N	degree C/TWINS confirm
1	1/21/75	3	1	90	194	N	degree C/TWINS confirm
1	1/21/75	4	1	85	185	N	degree C/TWINS confirm
1	1/21/75	5	1	76	168.8	N	degree C/TWINS confirm
1	1/21/75	6	1	68	154.4	N	degree C/TWINS confirm
1	1/21/75	7	1	57	134.6	N	degree C/TWINS confirm
1	1/21/75	8	1	55	131	N	degree C/TWINS confirm
1	1/21/75	9	1	54	129.2	N	degree C/TWINS confirm
1	1/21/75	10	1	54	129.2	N	degree C/TWINS confirm
1	1/21/75	11	1	33	91.4	N	degree C/TWINS confirm
1	1/21/75	12	1	18	64.4	N	degree C/TWINS confirm
1	1/21/75	13	1	18	64.4	N	degree C/TWINS confirm
1	1/28/75	1	1	81	177.8	Y	degree C/TWINS confirm
1	1/28/75	2	1	81	177.8	N	degree C/TWINS confirm
1	1/28/75	3	1	78	172.4	N	degree C/TWINS confirm
1	1/28/75	4	1	72	161.6	N	degree C/TWINS confirm
1	1/28/75	5	1	66	150.8	N	degree C/TWINS confirm
1	1/28/75	6	1	58	136.4	N	degree C/TWINS confirm
1	1/28/75	7	1	50	122	N	degree C/TWINS confirm
1	1/28/75	8	1	46	114.8	N	degree C/TWINS confirm
1	1/28/75	9	1	46	114.8	N	degree C/TWINS confirm
1	1/28/75	10	1	46	114.8	N	degree C/TWINS confirm
1	1/28/75	11	1	29	84.2	N	degree C/TWINS confirm
1	1/28/75	12	1	18	64.4	N	degree C/TWINS confirm
1	1/28/75	13	1	18	64.4	N	degree C/TWINS confirm
1	1/28/75	14	1	18	64.4	N	degree C/TWINS confirm
1	2/27/75	1	1	85	185	Y	degree C/TWINS confirm
1	2/27/75	2	1	85	185	N	degree C/TWINS confirm
1	2/27/75	3	1	80	176	N	degree C/TWINS confirm
1	2/27/75	4	1	76	168.8	N	degree C/TWINS confirm
1	2/27/75	5	1	70	158	N	degree C/TWINS confirm
1	2/27/75	6	1	60	140	N	degree C/TWINS confirm
1	2/27/75	7	1	52	125.6	N	degree C/TWINS confirm
1	2/27/75	8	1	44	111.2	N	degree C/TWINS confirm
1	2/27/75	9	1	44	111.2	N	degree C/TWINS confirm
1	2/27/75	10	1	44	111.2	N	degree C/TWINS confirm
1	2/27/75	11	1	36	96.8	N	degree C/TWINS confirm
1	2/27/75	12	1	20	68	N	degree C/TWINS confirm
1	2/27/75	13	1	20	68	N	degree C/TWINS confirm
1	2/27/75	14	1	20	68	N	degree C/TWINS confirm
1	3/18/75	1	1	84	183.2	Y	degree C/TWINS confirm
1	3/18/75	2	1	82	179.6	N	degree C/TWINS confirm
1	3/18/75	3	1	80	176	N	degree C/TWINS confirm
1	3/18/75	4	1	76	168.8	N	degree C/TWINS confirm
1	3/18/75	5	1	68	154.4	N	degree C/TWINS confirm
1	3/18/75	6	1	60	140	N	degree C/TWINS confirm
1	3/18/75	7	1	52	125.6	N	degree C/TWINS confirm
1	3/18/75	8	1	46	114.8	N	degree C/TWINS confirm
1	3/18/75	9	1	46	114.8	N	degree C/TWINS confirm
1	3/18/75	10	1	46	114.8	N.	degree C/TWINS confirm
1	3/18/75	11	1	32	89.6	N	degree C/TWINS confirm
1	3/18/75	12	1	22	71.6	N	degree C/TWINS confirm
1	3/18/75	13	1	22	71.6	N	degree C/TWINS confirm
1	3/18/75	14	1	22	71.6	N	degree C/TWINS confirm
1	4/8/75	1	1	96	204.8	Y	degree C/TWINS confirm
1	4/8/75	2	1	96	204.8	N	degree C/TWINS confirm
1	4/8/75	3	1	93	199.4	N	degree C/TWINS confirm
1	4/8/75	4	1	85	185	N	degree C/TWINS confirm
1	4/8/75	5	1	76	168.8	N	degree C/TWINS confirm
1	4/8/75	6	1	66	150.8	N	degree C/TWINS confirm
1	4/8/75	7	1	56	132.8	N	degree C/TWINS confirm
1	4/8/75	8	1	50	122	N	degree C/TWINS confirm
1	4/8/75	9	1	49	120.2	N	degree C/TWINS confirm
1	4/8/75	10	1	48	118.4	N	degree C/TWINS confirm

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	4/8/75	11	1	29	84.2	N	degree C/TWINS confirm
1	4/8/75	12	1	17	62.6	N	degree C/TWINS confirm
1	4/8/75	13	1	18	64.4	N	degree C/TWINS confirm
1	4/8/75	14	1	18	64.4	N	degree C/TWINS confirm
1	4/22/75	1	1	78	172.4	Y	degree C/TWINS confirm
1	4/22/75	2	1	78	172.4	N	degree C/TWINS confirm
1	4/22/75	3	1	72	161.6	N	degree C/TWINS confirm
1	4/22/75	4	1	68	154.4	N	degree C/TWINS confirm
1	4/22/75	5	1	60	140	N	degree C/TWINS confirm
1	4/22/75	6	1	51	123.8	N	degree C/TWINS confirm
1	4/22/75	7	1	42	107.6	N	degree C/TWINS confirm
1	4/22/75	8	1	39	102.2	N	degree C/TWINS confirm
1	4/22/75	9	1	39	102.2	N	degree C/TWINS confirm
1	4/22/75	10	1	36	96.8	N	degree C/TWINS confirm
1	4/22/75	11	1	18	64.4	N	degree C/TWINS confirm
1	4/29/75	1	1	80	176	Y	degree C/TWINS confirm
1	4/29/75	2	1	80	176	N	degree C/TWINS confirm
1	4/29/75	3	1	75	167	N	degree C/TWINS confirm
1	4/29/75	4	1	70	158	N	degree C/TWINS confirm
1	4/29/75	5	1	62	143.6	N	degree C/TWINS confirm
1	4/29/75	6	1	54	129.2	N	degree C/TWINS confirm
1	4/29/75	7	1	44	111.2	N	degree C/TWINS confirm
1	4/29/75	8	1	42	107.6	N	degree C/TWINS confirm
1	4/29/75	9	1	42	107.6	N	degree C/TWINS confirm
1	4/29/75	10	1	38	100.4	N	degree C/TWINS confirm
1	4/29/75	11	1	20	68	N	degree C/TWINS confirm
1	5/20/75	1	1	80	176	Y	degree C/TWINS confirm
1	5/20/75	2	1	80	176	N	degree C/TWINS confirm
1	5/20/75	3	1	76	168.8	N	degree C/TWINS confirm
1	5/20/75	4	1	70	158	N	degree C/TWINS confirm
1	5/20/75	5	1	63	145.4	N	degree C/TWINS confirm
1	5/20/75	6	1	54	129.2	N	degree C/TWINS confirm
1	5/20/75	7	1	46	114.8	N	degree C/TWINS confirm
1	5/20/75	8	1	42	107.6	N	degree C/TWINS confirm
1	5/20/75	9	1	42	107.6	N	degree C/TWINS confirm
1	5/20/75	10	1	40	104	N	degree C/TWINS confirm
1	5/20/75	11	1	34	93.2	N	degree C/TWINS confirm
1	5/20/75	12	1	24	75.2	N	degree C/TWINS confirm
1	5/20/75	13	1	24	75.2	N	degree C/TWINS confirm
1	5/20/75	14	1	24	75.2	N	degree C/TWINS confirm
1	6/17/75	1	1		177	Y	
1	6/17/75	2	1		175	N	
1	6/17/75	3	1		168	N	
1	6/17/75	4	1		158	N	
1	6/17/75	5	1		145	N	
1	6/17/75	6	1		128	N	
1	6/17/75	7	1		112	N	
1	6/17/75	8	1		107	N	
1	6/17/75	9	1		106	N	
1	6/17/75	10	1		95	N	
1	6/17/75	11	1		77	N	
1	6/17/75	12	1		77	N	
1	6/17/75	13	1		77	N	
1	6/17/75	14	1		77	N	
1	7/28/75	1	1		177	Y	
1	7/28/75	2	1		176	N	
1	7/28/75	3	1		169	N	
1	7/28/75	4	1		159	N	
1	7/28/75	5	1		146	N	
1	7/28/75	6	1		131	N	
1	7/28/75	7	1		116	N	
1	7/28/75	8	1		111	N	
1	7/28/75	9	1		109	N	
1	7/28/75	10	1		101	N	
1	7/28/75	11	1		89	N	
1	7/28/75	12	1		88	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	7/28/75	13	1		88	N	
1	7/28/75	14	1		88	N	
1	8/26/75	1	1		174	Y	
1	8/26/75	2	1		172	N	
1	8/26/75	3	1		165	N	
1	8/26/75	4	1		155	N	
1	8/26/75	5	1		142	N	
1	8/26/75	6	1		128	N	
1	8/26/75	7	1		114	N	
1	8/26/75	8	1		108	N	
1	8/26/75	9	1		106	N	
1	8/26/75	10	1		98	N	
1	8/26/75	11	1		81	N	
1	8/26/75	12	1		79	N	
1	8/26/75	13	1		80	N	
1	8/26/75	14	1		80	N	
1	11/21/75	1	1		182	Y	
1	11/21/75	2	1		181	N	
1	11/21/75	3	1		174	N	
1	11/21/75	4	1		165	N	
1	11/21/75	5	1		154	N	
1	11/21/75	6	1		141	N	
1	11/21/75	7	1		126	N	
1	11/21/75	8	1		117	N	
1	11/21/75	9	1		116	N	
1	11/21/75	10	1		102	N	
1	11/21/75	11	1		74	N	
1	11/21/75	12	1		69	N	
1	11/21/75	13	1		70	N	
1	11/21/75	14	1		71	N	
1	3/4/76	1	1		181	Y	
1	3/4/76	2	1		180	N	
1	3/4/76	3	1		172	N	
1	3/4/76	4	1		163	N	
1	3/4/76	5	1		152	N	
1	3/4/76	6	1		139	N	
1	3/4/76	7	1		123	N	
1	3/4/76	8	1		116	N	
1	3/4/76	9	1		115	N	
1	3/4/76	10	1		102	N	
1	3/4/76	11	1		79	N	
1	3/4/76	12	1		67	N	
1	3/4/76	13	1		68	N	
1	3/4/76	14	1		68	N	
1	3/7/76	1	1		165	Y	
1	5/7/76	1	1		165	Y	
1	5/7/76	2	1		164	N	
1	5/7/76	3	1		158	N	
1	5/7/76	4	1		148	N	
1	5/7/76	5	1		137	N	
1	5/7/76	6	1		113	N	
1	5/7/76	7	1		109	N	
1	5/7/76	8	1		104	N	
1	5/7/76	9	1		103	N	
1	5/7/76	10	1		91	N	
1	5/7/76	11	1		73	N	
1	5/7/76	12	1		69	N	
1	5/7/76	13	1		69	N	
1	5/7/76	14	1		69	N	
1	6/9/76	1	1		165	Y	
1	6/9/76	2	1		163	N	
1	6/9/76	3	1		156	N	
1	6/9/76	4	1		147	N	
1	6/9/76	5	1		135	N	
1	6/9/76	6	1		122	N	
1	6/9/76	7	1		108	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	6/9/76	8	1		103	N	
1	6/9/76	9	1		100	N	
1	6/9/76	10	1		89	N	
1	6/9/76	11	1		75	N	
1	6/9/76	12	1		68	N	
1	6/9/76	13	1		68	N	
1	6/9/76	14	1		68	N	
1	8/28/76	1	1		160	Y	
1	8/28/76	2	1		158	N	
1	8/28/76	3	1		152	N	
1	8/28/76	4	1		144	N	
1	8/28/76	5	1		133	N	
1	8/28/76	6	1		121	N	
1	8/28/76	7	1		110	N	
1	8/28/76	8	1		102	N	
1	8/28/76	9	1		99	N	
1	8/28/76	10	1		91	N	
1	8/28/76	11	1		78	N	
1	8/28/76	12	1		73	N	
1	9/13/76	1	1		161	Y	
1	9/13/76	2	1		160	N	
1	9/13/76	3	1		154	N	
1	9/13/76	4	1		146	N	
1	9/13/76	5	1		135	N	
1	9/13/76	6	1		124	N	
1	9/13/76	7	1		112	N	
1	9/13/76	11	1		106	N	
1	9/13/76	12	1		103	N	
1	12/9/76	1	1		125	Y	
1	12/9/76	2	1		124	N	
1	12/9/76	3	1		123	N	
1	12/9/76	4	1		121	N	
1	12/9/76	5	1		107	N	
1	12/9/76	6	1		107	N	
1	12/9/76	7	1		85	N	
1	12/9/76	8	1		83	N	
1	12/9/76	9	1		81	N	
1	12/9/76	10	1		81	N	
1	12/9/76	11	1		81	N	
1	12/9/76	12	1		81	N	
1	1/3/77	1	1		175	Y	
1	1/3/77	2	1		173	N	
1	1/3/77	3	1		167	N	
1	1/3/77	4	1		160	N	
1	1/3/77	5	1		151	N	
1	1/3/77	6	1		140	N	
1	1/3/77	7	1		127	N	
1	1/3/77	8	1		118	N	
1	1/3/77	9	1		115	N	
1	1/3/77	10	1		100	N	
1	1/3/77	11	1		77	N	
1	1/3/77	12	1		71	N	
1	1/3/77	13	1		68	N	
1	1/3/77	14	1		69	N	
1	2/2/77	1	1		161	N	
1	2/2/77	2	1		162	Y	
1	2/2/77	3	1		157	N	
1	2/2/77	4	1		150	N	
1	2/2/77	5	1		139	N	
1	2/2/77	6	1		124	N	
1	2/2/77	7	1		113	N	
1	2/2/77	8	1		110	N	
1	2/2/77	9	1		106	N	
1	2/2/77	10	1		82	N	
1	2/2/77	11	1		59	N	
1	2/2/77	12	1		59	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	2/2/77	13	1		60	N	
1	2/2/77	14	1		60	N	
1	2/9/77	1	1		182	Y	
1	2/9/77	2	1		180	N	
1	2/9/77	3	1		174	N	
1	2/9/77	4	1		166	N	
1	2/9/77	5	1		153	N	
1	2/9/77	6	1		136	N	
1	2/9/77	7	1		125	N	
1	2/9/77	8	1		117	N	
1	2/9/77	9	1		86	N	
1	2/9/77	10	1		74	N	
1	2/9/77	11	1		75	N	
1	2/9/77	12	1		76	N	
1	2/26/77	1	1		160	Y	
1	2/26/77	2	1		159	N	
1	2/26/77	3	1		153	N	
1	2/26/77	4	1		144	N	
1	2/26/77	5	1		133	N	
1	2/26/77	6	1		119	N	
1	2/26/77	7	1		106	N	
1	2/26/77	8	1		103	N	
1	2/26/77	9	1		93	N	
1	2/26/77	10	1		65	N	
1	2/26/77	11	1		59	N	
1	2/26/77	12	1		59	N	
1	2/26/77	13	1		60	N	
1	2/26/77	14	1		60	N	
1	3/28/77	1	1		164	Y	
1	3/28/77	2	1		163	N	
1	3/28/77	3	1		157	N	
1	3/28/77	4	1		148	N	
1	3/28/77	5	1		138	N	
1	3/28/77	6	1		124	N	
1	3/28/77	7	1		108	N	
1	3/28/77	8	1		104	N	
1	3/28/77	9	1		95	N	
1	3/28/77	10	1		69	N	
1	3/28/77	11	1		62	N	
1	3/28/77	12	1		62	N	
1	3/28/77	13	1		62	N	
1	3/28/77	14	1		63	N	
1	4/27/77	1	1		148	Y	
1	4/27/77	2	1		146	N	
1	4/27/77	3	1		138	N	
1	4/27/77	4	1		129	N	
1	4/27/77	5	1		115	N	
1	4/27/77	6	1		99	N	
1	4/27/77	7	1		76	N	
1	4/27/77	8	1		76	N	
1	4/27/77	9	1		70	N	
1	4/27/77	10	1		65	N	
1	4/27/77	11	1		63	N	
1	4/27/77	12	1		63	N	
1	6/30/77	1	1		156	Y	
1	6/30/77	2	1		154	N	
1	6/30/77	3	1		137	N	
1	6/30/77	4	1		138	N	
1	6/30/77	5	1		126	N	
1	6/30/77	6	1		114	N	
1	6/30/77	7	1		103	N	
1	6/30/77	8	1		90	N	
1	6/30/77	9	1		75	N	
1	6/30/77	10	1		74	N	
1	6/30/77	11	1		74	N	
1	6/30/77	12	1		74	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	6/30/77	13	1		74	N	
1	6/30/77	14	1		76	N	
1	8/15/77	1	1		143	Y	
1	8/15/77	2	1		140	N	
1	8/15/77	3	1		134	N	
1	8/15/77	4	1		125	N	
1	8/15/77	5	1		116	N	
1	8/15/77	6	1		104	N	
1	8/15/77	7	1		92	N	
1	8/15/77	8	1		81	N	
1	8/15/77	9	1		73	N	
1	8/15/77	10	1		71	N	
1	8/15/77	11	1		70	N	
1	8/15/77	12	1		70	N	
1	8/15/77	13	1		70	N	
1	8/15/77	14	1		70	N	
1	12/7/77	1	1		148	N	
1	12/7/77	2	1		149	Y	
1	12/7/77	3	1		143	N	
1	12/7/77	4	1		133	N	
1	12/7/77	5	1		116	N	
1	12/7/77	6	1		113	N	
1	12/7/77	7	1		95	N	
1	12/7/77	8	1		90	N	
1	12/7/77	9	1		68	N	
1	12/7/77	10	1		56	N	
1	12/7/77	11	1		55	N	
1	12/7/77	12	1		56	N	
1	12/7/77	13	1		56	N	
1	12/7/77	14	1		56	N	
1	1/29/78	1	1		129	Y	
1	1/29/78	2	1		125	N	
1	1/29/78	3	1		118	N	
1	1/29/78	4	1		110	N	
1	1/29/78	5	1		94	N	
1	1/29/78	6	1		87	N	
1	1/29/78	7	1			N	66 - suspect data (low)
1	1/29/78	8	1			N	39 - suspect data (low)
1	1/29/78	9	1			N	20 - suspect data (low)
1	2/26/78	1	1		111	Y	
1	2/26/78	2	1		110	N	
1	2/26/78	3	1		108	N	
1	2/26/78	4	1		108	N	
1	2/26/78	5	1		109	N	
1	2/26/78	6	1		110	N	
1	2/26/78	7	1		103	N	
1	2/26/78	8	1		96	N	
1	2/26/78	9	1		85	N	
1	2/26/78	10	1		72	N	
1	2/26/78	11	1		62	N	
1	2/26/78	12	1		62	N	
1	3/26/78	1	1		138	Y	
1	3/26/78	2	1		137	N	
1	3/26/78	3	1		132	N	
1	3/26/78	4	1		124	N	
1	3/26/78	5	1		112	N	
1	3/26/78	6	1		102	N	
1	3/26/78	7	1		86	N	
1	3/26/78	8	1		73	N	
1	3/26/78	9	1		58	N	
1	3/26/78	10	1		49	N	
1	3/26/78	11	1		48	N	
1	3/26/78	12	1		50	N	
1	4/23/78	1	1		145	Y	
1	4/23/78	2	1		144	N	
1	4/23/78	3	1		137	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	4/23/78	4	1		132	N	
1	4/23/78	5	1		121	N	
1	4/23/78	6	1		110	N	
1	4/23/78	7	1		95	N	
1	4/23/78	8	1		89	N	
1	4/23/78	9	1		72	N	
1	4/23/78	10	1		63	N	
1	4/23/78	11	1		63	N	
1	4/23/78	12	1		64	N	
1	6/17/78	1	1		137	Y	
1	6/17/78	2	1		136	N	
1	6/17/78	3	1		130	N	
1	6/17/78	4	1		122	N	
1	6/17/78	5	1		112	N	
1	6/17/78	6	1		102	N	
1	6/17/78	7	1		90	N	
1	6/17/78	8	1		82	N	
1	6/17/78	9	1		70	N	
1	6/17/78	10	1		65	N	
1	6/17/78	11	1		65	N	
1	6/17/78	12	1		65	N	
1	8/13/78	1	1		139	Y	
1	8/13/78	2	1		139	N	
1	8/13/78	3	1		133	N	
1	8/13/78	4	1		125	N	
1	8/13/78	5	1		117	N	
1	8/13/78	6	1		107	N	
1	8/13/78	7	1		96	N	
1	8/13/78	8	1		89	N	
1	8/13/78	9	1		80	N	
1	8/13/78	10	1		76	N	
1	8/13/78	11	1		75	N	
1	8/13/78	12	1		75	N	
1	8/13/78	13	1		75	N	
1	8/13/78	14	1		75	N	
1	10/7/78	1	1		148	Y	
1	10/7/78	2	1		148	N	
1	10/7/78	3	1		142	N	
1	10/7/78	4	1		138	N	
1	10/7/78	5	1		127	N	
1	10/7/78	6	1		121	N	
1	10/7/78	7	1		112	N	
1	10/7/78	8	1		98	N	
1	10/7/78	9	1		87	N	
1	10/7/78	10	1		82	N	
1	10/7/78	11	1		80	N	
1	10/7/78	12	1		80	N	
1	10/7/78	13	1		78	N	
1	10/7/78	14	1		74	N	
1	11/15/79	1	1		163	Y	
1	11/15/79	2	1		161	N	
1	11/15/79	3	1		160	N	
1	11/15/79	4	1		154	N	
1	11/15/79	5	1		148	N	
1	11/15/79	6	1		140	N	
1	11/15/79	7	1		131	N	
1	11/15/79	8	1		120	N	
1	5/12/80	1	1		139	Y	
1	5/12/80	2	1		139	N	
1	5/12/80	3	1		136	N	
1	5/12/80	4	1		131	N	
1	5/12/80	5	1		110	N	
1	5/12/80	6	1		108	N	
1	5/12/80	7	1		94	N	
1	6/12/81	1	1		132	Y	
1	6/12/81	2	1		130	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	6/12/81	3	1		125	N	
1	6/12/81	4	1		118	N	
1	6/12/81	5	1		109	N	
1	6/12/81	6	1		99	N	
1	6/12/81	7	1		88	N	
1	10/14/83	1	1		135	Y	
1	10/14/83	2	1		131	N	
1	10/14/83	3	1		125	N	
1	10/14/83	4	1		120	N	
1	10/14/83	5	1		110	N	
1	10/14/83	6	1		85	N	
1	11/8/83	1	1		146	Y	
1	11/8/83	2	1		143	N	
1	11/8/83	3	1		136	N	
1	11/8/83	4	1		131	N	
1	11/8/83	5	1		121	N	
1	11/8/83	6	1		94	N	
1	12/6/83	1	1		147	Y	
1	12/6/83	2	1		143	N	
1	12/6/83	3	1		137	N	
1	12/6/83	4	1		133	N	
1	12/6/83	5	1		122	N	
1	12/6/83	6	1		93	N	
1	1/3/84	1	1		142	Y	
1	1/3/84	2	1		140	N	
1	1/3/84	3	1		136	N	
1	1/3/84	4	1		131	N	
1	1/3/84	5	1		118	N	
1	1/3/84	6	1		85	N	
1	2/7/84	1	1		148	Y	
1	2/7/84	2	1		144	N	
1	2/7/84	3	1		139	N	
1	2/7/84	4	1		133	N	
1	2/7/84	5	1		120	N	
1	2/7/84	6	1		86	N	
1	2/14/84	1	1		136	Y	
1	2/14/84	2	1		132	N	
1	2/14/84	3	1		127	N	
1	2/14/84	4	1		121	N	
1	2/14/84	5	1		106	N	
1	2/14/84	6	1		73	N	
1	3/26/84	1	1		134	Y	
1	3/26/84	2	1		131	N	
1	3/26/84	3	1		127	N	
1	3/26/84	4	1		121	N	
1	3/26/84	5	1		105	N	
1	3/26/84	6	1		73	N	
1	4/7/84	1	1		130	Y	
1	4/7/84	2	1		127	N	
1	4/7/84	3	1		123	N	
1	4/7/84	4	1		117	N	
1	4/7/84	5	1		105	N	
1	4/7/84	6	1		75	N	
1	6/19/84	1	1		129	Y	
1	6/19/84	2	1		127	N	
1	6/19/84	3	1		123	N	
1	6/19/84	4	1		118	N	
1	6/19/84	5	1		108	N	
1	6/19/84	6	1		78	N	
1	9/3/84	1	1		131	Y	
1	9/3/84	2	1		129	N	
1	9/3/84	3	1		124	N	
1	9/3/84	4	1		120	N	
1	9/3/84	5	1		112	N	
1	9/3/84	6	1		85	N	
1	3/3/85	1	1		128	Y	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110 THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/3/85	2	1		126	N	
1	3/3/85	3	1		121	N	
1	3/3/85	4	1		115	N	
1	3/3/85	5	1		106	N	
1	3/3/85	6	1		73	N	
1	3/5/85	1	1		127.6	Y	
1	3/5/85	2	1		125.7	N	
1	3/5/85	3	1		120.5	N	
1	3/5/85	4	1		114.5	N	
1	3/5/85	5	1		105.8	N	
1	3/5/85	6	1		73	N	
1	4/1/85	1	1		126	Y	
1	4/1/85	2	1		125	N	
1	4/1/85	3	1		120	N	
1	4/1/85	4	1		115	N	
1	4/1/85	5	1		106	N	
1	4/1/85	6	1		73	N	
1	5/7/85	1	1		140	Y	
1	5/7/85	2	1		137	N	
1	5/7/85	3	1		131	N	
1	5/7/85	4	1		125	N	
1	5/7/85	5	1		116	N	
1	5/7/85	6	1		78	N	
1	6/4/85	1	1		138	Y	
1	6/4/85	2	1		136	N	
1	6/4/85	3	1		129	N	
1	6/4/85	4	1		123	N	
1	6/4/85	5	1		114	N	
1	6/4/85	6	1		78	N	
1	6/10/85	1	1		127	Y	
1	6/10/85	2	1		124	N	
1	6/10/85	3	1		119	N	
1	6/10/85	4	1		114	N	
1	6/10/85	5	1		106	N	
1	6/10/85	6	1		76	N	
1	7/2/85	1	1		131	Y	
1	7/2/85	2	1		129	N	
1	7/2/85	3	1		123	N	
1	7/2/85	4	1		117	N	
1	7/2/85	5	1		109	N	
1	7/2/85	6	1		73	N	
1	8/5/85	1	1		133	Y	
1	8/5/85	2	1		132	N	
1	8/5/85	3	1		127	N	
1	8/5/85	4	1		122	N	
1	8/5/85	5	1		114	N	
1	8/5/85	6	1		82	N	
1	9/1/85	1	1		126	Y	
1	9/1/85	2	1		124	N	
1	9/1/85	3	1		119	N	
1	9/1/85	4	1		115	N	
1	9/1/85	5	1		108	N	
1	9/1/85	6	1		83	N	
1	1/6/86	1	1		128	Y	
1	1/6/86	2	1		126	N	
1	1/6/86	3	1		122	N	
1	1/6/86	4	1		118	N	
1	1/6/86	5	1		110	N	
1	1/6/86	6	1		79	N	
1	3/4/86	1	1		127	Y	
1	3/4/86	2	1		125	N	
1	3/4/86	3	1		120	N	
1	3/4/86	4	1		115	N	
1	3/4/86	5	1		107	N	
1	3/4/86	6	1		73	N	
1	4/7/86	1	1		126	Y	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	4/7/86	2	1		124	N	
1	4/7/86	3	1		120	N	
1	4/7/86	4	1		116	N	
1	4/7/86	5	1		108	N	
1	4/7/86	6	1		74	N	
1	5/11/86	1	1		124	Y	
1	5/11/86	2	1		123	N	
1	5/11/86	3	1		118	N	
1	5/11/86	4	1		114	N	
1	5/11/86	5	1		106	N	
1	5/11/86	6	1		73	N	
1	6/3/86	1	1		126	Y	
1	6/3/86	2	1		124	N	
1	6/3/86	3	1		119	N	
1	6/3/86	4	1		114	N	
1	6/3/86	5	1		106	N	
1	6/3/86	6	1		75	N	
1	7/7/86	1	1		126	Y	
1	7/7/86	2	1		124	N	
1	7/7/86	3	1		120	N	
1	7/7/86	4	1		115	N	
1	7/7/86	5	1		108	N	
1	7/7/86	6	1		78	N	
1	8/4/86	1	1		126	Y	
1	8/4/86	2	1		124	N	
1	8/4/86	3	1		120	N	
1	8/4/86	4	1		115	N	
1	8/4/86	5	1		108	N	
1	8/4/86	6	1		80.7	N	
1	9/2/86	1	1		126	Y	
1	9/2/86	2	1		124	N	
1	9/2/86	3	1		119	N	
1	9/2/86	4	1		115	N	
1	9/2/86	5	1		110	N	
1	9/2/86	6	1		83	N	
1	10/6/86	1	1		125.2	Y	
1	10/6/86	2	1		123.3	N	
1	10/6/86	3	1		119.6	N	
1	10/6/86	4	1		115.4	N	
1	10/6/86	5	1		108.2	N	
1	10/6/86	6	1		92.8	N	
1	11/1/86	1	1		126	Y	
1	11/1/86	2	1		124	N	
1	11/1/86	3	1		120	N	
1	11/1/86	4	1		116	N	
1	11/1/86	5	1		108	N	
1	11/1/86	6	1		82	N	
1	12/2/86	1	1		145	Y	
1	12/2/86	2	1		143	N	
1	12/2/86	3	1		138	N	
1	12/2/86	4	1		133	N	
1	12/2/86	5	1		124	N	
1	12/2/86	6	1		91	N	
1	2/3/87	1	1		137	Y	
1	2/3/87	2	1		136	N	
1	2/3/87	3	1		132	N	
1	2/3/87	4	1		127	N	
1	2/3/87	5	1		116	N	
1	2/3/87	6	1		78	N	
1	3/12/87	1	1		136	Y	
1	3/12/87	2	1		135	N	
1	3/12/87	3	1		131	N	
1	3/12/87	4	1		125	N	
1	3/12/87	5	1		115	N	
1	3/12/87	6	1		76	N	
1	4/13/87	1	1		139	Y	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	4/13/87	2	1		138	N	
1	4/13/87	3	1		133	N	
1	4/13/87	4	1		128	N	
1	4/13/87	5	1		117	N	
1	4/13/87	6	1		79	N	
1	6/1/87	1	1		134	Y	
1	6/1/87	2	1		132	N	
1	6/1/87	3	1		127	N	
1	6/1/87	4	1		122	N	
1	6/1/87	5	1		111	N	
1	6/1/87	6	1		78	N	
1	8/4/87	1	1		123	Y	
1	8/4/87	2	1		122	N	
1	8/4/87	3	1		120	N	
1	8/4/87	4	1		114	N	
1	8/4/87	5	1		104	N	
1	8/4/87	6	1		79	N	
1	9/7/87	1	1		127.5	Y	
1	9/7/87	2	1		126.3	N	
1	9/7/87	3	1		123.7	N	
1	9/7/87	4	1		117.7	N	
1	9/7/87	5	1		106.4	N	
1	9/7/87	6	1		78.5	N	
1	10/5/87	1	1		125	Y	
1	10/5/87	2	1		124	N	
1	10/5/87	3	1		120	N	
1	10/5/87	4	1		116	N	
1	10/5/87	5	1		112	N	
1	10/5/87	6	1		86	N	
1	11/3/87	1	1		123	Y	
1	11/3/87	2	1		122	N	
1	11/3/87	3	1		118	N	
1	11/3/87	4	1		114	N	
1	11/3/87	5	1		105	N	
1	11/3/87	6	1		82	N	
1	1/25/88	1	1		127	Y	
1	1/25/88	2	1		126	N	
1	1/25/88	3	1		123	N	
1	1/25/88	4	1		117	N	
1	1/25/88	5	1		108	N	
1	1/25/88	6	1		75	N	
1	2/1/88	1	1		127	Y	
1	2/1/88	2	1		125	N	
1	2/1/88	3	1		122	N	
1	2/1/88	4	1		117	N	
1	2/1/88	5	1		105	N	
1	2/1/88	6	1		80	N	
1	3/7/88	1	1		125	Y	
1	3/7/88	2	1		124	N	
1	3/7/88	3	1		120	N	
1	3/7/88	4	1		115	N	
1	3/7/88	5	1		105	N	
1	3/7/88	6	1		76	N	
1	4/6/88	1	1		123	Y	
1	4/6/88	2	1		122	N	
1	4/6/88	3	1		118	N	
1	4/6/88	4	1		112	N	
1	4/6/88	5	1		102	N	
1	4/6/88	6	1		73	N	
1	5/2/88	1	1		124	Y	
1	5/2/88	2	1		122.4	N	
1	5/2/88	3	1		118.8	N	
1	5/2/88	4	1		113	N	
1	5/2/88	5	1		103.2	N	
1	5/2/88	6	1		74.2	N	
1	5/3/88	1	1		124	Y	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	5/3/88	2	1		122.4	N	
1	5/3/88	3	1		118.8	N	
1	5/3/88	4	1		113	N	
1	5/3/88	5	1		103.2	N	
1	5/3/88	6	1		74.2	N	
1	6/7/88	1	1		123	Y	
1	6/7/88	2	1		121	N	
1	6/7/88	3	1		118	N	
1	6/7/88	4	1		112	N	
1	6/7/88	5	1		102	N	
1	6/7/88	6	1		75	N	
1	7/4/88	1	1		124	Y	
1	7/4/88	2	1		122	N	
1	7/4/88	3	1		118	N	
1	7/4/88	4	1		112.6	N	
1	7/4/88	5	1		103.3	N	
1	7/4/88	6	1		77.4	N	
1	8/1/88	1	1		124	Y	
1	8/1/88	2	1		122	N	
1	8/1/88	3	1		118	N	
1	8/1/88	4	1		113	N	
1	8/1/88	5	1		104	N	
1	8/1/88	6	1		80	N	
1	8/13/88	1	1		139	Y	
1	8/13/88	2	1		139	N	
1	8/13/88	3	1		133	N	
1	8/13/88	4	1		125	N	
1	8/13/88	5	1		117	N	
1	9/5/88	1	1		124	Y	
1	9/5/88	2	1		123.8	N	
1	9/5/88	3	1		116.3	N	
1	9/5/88	4	1		112	N	
1	9/5/88	5	1		105	N	
1	9/5/88	6	1		78	N	
1	10/3/88	1	1		133	Y	
1	10/3/88	2	1		133	N	
1	10/3/88	3	1		131	N	
1	10/3/88	4	1		123	N	
1	10/3/88	5	1		113	N	
1	10/3/88	6	1		87	N	
1	2/7/89	1	1		124	Y	
1	2/7/89	2	1		123	N	
1	2/7/89	3	1		121	N	
1	2/7/89	4	1		116	N	
1	2/7/89	5	1		106	N	
1	2/7/89	6	1		76	N	
1	3/6/89	1	1		124	Y	
1	3/6/89	2	1		122	N	
1	3/6/89	3	1		119	N	
1	3/6/89	4	1		113	N	
1	3/6/89	5	1		104	N	
1	3/6/89	6	1		73	N	
1	4/5/89	1	1		136	Y	
1	4/5/89	2	1		134	N	
1	4/5/89	3	1		130	N	
1	4/5/89	4	1		123	N	
1	4/5/89	5	1		111	N	
1	4/5/89	6	1		75	N	
1	6/6/89	1	1		131	Y	
1	6/6/89	2	1		129	N	
1	6/6/89	3	1		123	N	
1	6/6/89	4	1		116	N	
1	6/6/89	5	1		106	N	
1	6/6/89	6	1		72	N	
1	8/2/89	1	1		124	Y	
1	8/2/89	2	1		122	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/2/89	3	1		117	N	
1	8/2/89	4	1		112	N	
1	8/2/89	5	1		104	N	
1	8/2/89	6	1		79	N	
1	8/8/89	1	1		123	Y	
1	8/8/89	2	1		122	N	
1	8/8/89	3	1		118	N	
1	8/8/89	4	1		112	N	
1	8/8/89	5	1		104	N	
1	8/8/89	6	1		80	N	
1	9/4/89	1	1		123	Y	
1	9/4/89	2	1		122	N	
1	9/4/89	3	1		118	N	
1	9/4/89	4	1		113	N	
1	9/4/89	5	1		105	N	
1	9/4/89	6	1		81	N	
1	10/2/89	1	1		123	Y	
1	10/2/89	2	1		122	N	
1	10/2/89	3	1		118	N	
1	10/2/89	4	1		114	N	
1	10/2/89	5	1		106	N	
1	10/2/89	6	1		83	N	
1	10/12/89	1	1		123	Y	
1	10/12/89	2	1		122	N	
1	10/12/89	3	1		118	N	
1	10/12/89	4	1		113	N	
1	10/12/89	5	1		105	N	
1	10/12/89	6	1		82	N	
1	10/18/89	1	1		121	Y	
1	10/18/89	2	1		120	N	
1	10/18/89	3	1		117	N	
1	10/18/89	4	1		112	N	
1	10/18/89	5	1		104	N	
1	10/18/89	6	1		82	N	
1	10/23/89	1	1		123	Y	
1	10/23/89	2	1		122	N	
1	10/23/89	3	1		118	N	
1	10/23/89	4	1		113	N	
1	10/23/89	5	1		105	N	
1	10/23/89	6	1		82	N	
1	11/10/89	1	1		120	Y	
1	11/10/89	2	1		118.8	N	
1	11/10/89	3	1		114.9	N	
1	11/10/89	4	1		110.2	N	
1	11/10/89	5	1		102.4	N	
1	11/10/89	6	1		80.1	N	E type
1	11/18/89	1	1		122	Y	
1	11/18/89	2	1		120	N	
1	11/18/89	3	1		116	N	
1	11/18/89	4	1		112	N	
1	11/18/89	5	1		104	N	
1	11/18/89	6	1		80	N	Tests on 110-BY taken with E
1	11/25/89	1	1		122	Y	
1	11/25/89	2	1		121	N	
1	11/25/89	3	1		117	N	
1	11/25/89	4	1		112	N	
1	11/25/89	5	1		104	N	
1	11/25/89	6	1		80	N	
1	12/1/89	1	1		121.4	Y	
1	12/1/89	2	1		120	N	
1	12/1/89	3	1		116	N	
1	12/1/89	4	1		111.7	N	
1	12/1/89	5	1		103.3	N	
1	12/1/89	6	1		79.8	N	
1	12/10/89	1	1		121.5	Y	
1	12/10/89	2	1		120	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110 THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/10/89	3	1		116	N	
1	12/10/89	4	1		111.9	N	
1	12/10/89	5	1		103.3	N	
1	12/10/89	6	1		79.8	N	
1	12/15/89	1	1		122	Y	
1	12/15/89	2	1		121	N	
1	12/15/89	3	1		117	N	
1	12/15/89	4	1		112	N	
1	12/15/89	5	1		103	N	
1	12/15/89	6	1		78	N	
1	12/29/89	1	1		123.3	Y	E-2E-OP-003
1	12/29/89	2	1		122	N	
1	12/29/89	3	1		117.7	N	
1	12/29/89	4	1		113	N	
1	12/29/89	5	1		108.2	N	
1	12/29/89	6	1		78	N	
1	1/6/90	1	1		122.2	Y	J-2E-OP-002
1	1/6/90	2	1		121	N	
1	1/6/90	3	1		116.6	N	
1	1/6/90	4	1		111.8	N	
1	1/6/90	5	1		102.8	N	
1	1/6/90	6	1		76.4	N	
1	1/13/90	1	1		123.8	Y	
1	1/13/90	2	1		122.3	N	
1	1/13/90	3	1		118.2	N	
1	1/13/90	4	1		113.6	N	
1	1/13/90	5	1		104.2	N	
1	1/13/90	6	1		77.6	N	E
1	1/27/90	1	1		120.9	Y	
1	1/27/90	2	1		119.6	N	
1	1/27/90	3	1		115.4	N	
1	1/27/90	4	1		110.6	N	
1	1/27/90	5	1		101.8	N	
1	1/27/90	6	1		75.6	N	
1	2/3/90	1	1		122.2	Y	E-88122428-81
1	2/3/90	2	1		120.8	N	
1	2/3/90	3	1		116.4	N	
1	2/3/90	4	1		111.7	N	
1	2/3/90	5	1		102.2	N	
1	2/3/90	6	1		75	N	
1	2/5/90	1	1		121.9	Y	E-881222428-104
1	2/5/90	2	1		120.4	N	
1	2/5/90	3	1		116	N	
1	2/5/90	4	1		111.5	N	
1	2/5/90	5	1		101.9	N	
1	2/5/90	6	1		74.8	N	
1	2/11/90	1	1		122.4	Y	E-881222428-104
1	2/11/90	2	1		121.1	N	
1	2/11/90	3	1		116.8	N	
1	2/11/90	4	1		112.4	N	
1	2/11/90	5	1		103.5	N	
1	2/11/90	6	1		75.8	N	
1	3/2/90	1	1		121.8	Y	E-HH-99A-E
1	3/2/90	2	1		120.6	N	
1	3/2/90	3	1		116.8	N	
1	3/2/90	4	1		112.5	N	
1	3/2/90	5	1		103.6	N	
1	3/2/90	6	1		75.3	N	
1	3/5/90	1	1		122.5	Y	Type E - HH-99A-E
1	3/5/90	2	1		120.8	N	
1	3/5/90	3	1		116	N	
1	3/5/90	4	1		111.2	N	
1	3/5/90	5	1		101.8	N	
1	3/5/90	6	1		74.3	N	
1	4/8/90	1	1		121	Y	E-881222428-104
1	4/8/90	2	1		120	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	4/8/90	3	1		116	N	
1	4/8/90	4	1		110	N	
1	4/8/90	5	1		101	N	
1	4/8/90	6	1		74	N	
1	4/26/90	1	1		121.4	Y	HH-99A-E, SER # 881222428-83
1	4/26/90	2	1		119.8	N	
1	4/26/90	3	1		115.8	N	
1	4/26/90	4	1		110.6	N	
1	4/26/90	5	1		101.4	N	
1	4/26/90	6	1		74	N	
1	5/5/90	1	1		120	Y	
1	5/5/90	2	1		118	N	
1	5/5/90	3	1		114	N	
1	5/5/90	4	1		109	N	
1	5/5/90	5	1		100	N	
1	5/5/90	6	1		73	N	
1	8/5/90	1	1		120.5	Y	E
1	8/5/90	2	1		119.1	N	
1	8/5/90	3	1		115.6	N	
1	8/5/90	4	1		110.1	N	
1	8/5/90	5	1		101.4	N	
1	8/5/90	6	1		78.3	N	
1	9/11/90	1	1		116	N	E
1	9/11/90	2	1		117	Y	
1	9/11/90	3	1		114	N	
1	9/11/90	4	1		110	N	
1	9/11/90	5	1		100	N	
1	9/11/90	6	1		75	N	
1	9/28/90	1	1		121.9	Y	E
1	9/28/90	2	1		120.4	N	
1	9/28/90	3	1		117	N	
1	9/28/90	4	1		112.5	N	
1	9/28/90	5	1		104.6	N	
1	9/28/90	6	1		82.2	N	
1	10/9/90	1	1		121	Y	E
1	10/9/90	2	1		120	N	
1	10/9/90	3	1		116	N	
1	10/9/90	4	1		111	N	
1	10/9/90	5	1		103	N	
1	10/9/90	6	1		82	N	
1	10/19/90	1	1		120.5	Y	E
1	10/19/90	2	1		119.6	N	
1	10/19/90	3	1		116.2	N	
1	10/19/90	4	1		111.5	N	
1	10/19/90	5	1		103.5	N	
1	10/19/90	6	1		82.2	N	
1	10/22/90	1	1		122	Y	E 890723678-75
1	10/22/90	2	1		121	N	
1	10/22/90	3	1		117	N	
1	10/22/90	4	1		112	N	
1	10/22/90	5	1		105	N	
1	10/22/90	6	1		83	N	
1	10/26/90	1	1		121.4	Y	E-890723678-75
1	10/26/90	2	1		120.5	N	
1	10/26/90	3	1		117.2	N	
1	10/26/90	4	1		112.4	N	
1	10/26/90	5	1		104.3	N	
1	10/26/90	6	1		82.2	N	
1	10/30/90	1	1		122.7	Y	J 890523512-20
1	10/30/90	2	1		121.6	N	
1	10/30/90	3	1		118.2	N	
1	10/30/90	4	1		113.5	N	
1	10/30/90	5	1		105.4	N	
1	10/30/90	6	1		83.5	N	
1	11/2/90	1	1		121.3	Y	E 2E-OP-003
1	11/2/90	2	1		120.1	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/2/90	3	1		116.6	N	
1	11/2/90	4	1		111.8	N	
1	11/2/90	5	1		103.8	N	
1	11/2/90	6	1		81.5	N	
1	11/5/90	1	1		120.6	Y	E 2E-OP-003
1	11/5/90	2	1		120	N	
1	11/5/90	3	1		116	N	
1	11/5/90	4	1		111.5	N	
1	11/5/90	5	1		103.7	N	
1	11/5/90	6	1		81.3	N	
1	11/13/90	1	1		121.6	Y	E
1	11/13/90	2	1		120.5	N	
1	11/13/90	3	1		117.3	N	
1	11/13/90	4	1		112.6	N	
1	11/13/90	5	1		104.7	N	
1	11/13/90	6	1		81.8	N	
1	11/18/90	1	1		119.8	Y	2E-OP-003
1	11/18/90	2	1		119.4	N	
1	11/18/90	3	1		118.1	N	
1	11/18/90	4	1		113.7	N	
1	11/18/90	5	1		104.8	N	
1	11/18/90	6	1		80.9	N	
1	11/25/90	1	1		121.4	Y	E-20-003
1	11/25/90	2	1		120.4	N	
1	11/25/90	3	1		117.5	N	
1	11/25/90	4	1		112.9	N	
1	11/25/90	5	1		104.8	N	
1	11/25/90	6	1		80.7	N	
1	12/5/90	1	1		122.1	Y	E 890236678-75
1	12/5/90	2	1		121.2	N	
1	12/5/90	3	1		117.9	N	
1	12/5/90	4	1		113.1	N	
1	12/5/90	5	1		105	N	
1	12/5/90	6	1		80.8	N	
1	12/11/90	1	1		120.7	Y	E 890723678-75
1	12/11/90	2	1		119.9	N	
1	12/11/90	3	1		116.3	N	
1	12/11/90	4	1		111.7	N	
1	12/11/90	5	1		103.3	N	
1	12/11/90	6	1		79.1	N	
1	12/15/90	1	1		121.6	Y	HH-99A-E
1	12/15/90	2	1		120.6	N	
1	12/15/90	3	1		118.2	N	
1	12/15/90	4	1		112.9	N	
1	12/15/90	5	1		104.3	N	
1	12/15/90	6	1		79.1	N	
1	12/22/90	1	2		124	Y	Recheck of temperatures taken on 12/22/90 requested
1	12/22/90	2	2		123	N	
1	12/22/90	3	2		120	N	
1	12/30/90	1	1		124	Y	E 703147
1	12/30/90	2	1		123	N	
1	12/30/90	3	1		119	N	
1	12/30/90	4	1		115	N	
1	12/30/90	5	1		106	N	
1	12/30/90	6	1		80	N	
1	1/6/91	1	1		123	Y	
1	1/6/91	2	1		122	N	
1	1/6/91	3	1		118	N	
1	1/6/91	4	1		114	N	
1	1/6/91	5	1		105	N	
1	1/6/91	6	1		79	N	
1	1/13/91	1	1		122	Y	E 743010
1	1/13/91	2	1		121	N	
1	1/13/91	3	1		118	N	
1	1/13/91	4	1		115	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/13/91	5	1		106	N	
1	1/13/91	6	1		78	N	
1	1/19/91	1	1		122.6	Y	E Plug Broken
1	1/19/91	2	1		122	N	
1	1/19/91	3	1		118.6	N	
1	1/19/91	4	1		114.5	N	
1	1/19/91	5	1		105	N	
1	1/19/91	6	1		76.1	N	
1	1/29/91	1	1		122	Y	E Omega 450 AET
1	1/29/91	2	1		121	N	
1	1/29/91	3	1		118	N	
1	1/29/91	4	1		114	N	
1	1/29/91	5	1		105	N	
1	1/29/91	6	1		76	N	
1	2/3/91	1	1		121	Y	E Ser#703147
1	2/3/91	2	1		120	N	
1	2/3/91	3	1		117	N	
1	2/3/91	4	1		112	N	
1	2/3/91	5	1		102	N	
1	2/3/91	6	1		73	N	
1	2/9/91	1	1		125.5	Y	E890723678-75
1	2/9/91	2	1		124.9	N	
1	2/9/91	3	1		121	N	
1	2/9/91	4	1		114.3	N	
1	2/9/91	5	1		104.3	N	
1	2/9/91	6	1		74.6	N	
1	2/16/91	1	1		122	Y	E-703147
1	2/16/91	2	1		120.6	N	
1	2/16/91	3	1		117.2	N	
1	2/16/91	4	1		111.9	N	
1	2/16/91	5	1		102.5	N	
1	2/16/91	6	1		73.6	N	
1	2/23/91	1	1		122.8	Y	E 703147
1	2/23/91	2	1		121.8	N	
1	2/23/91	3	1		118.8	N	
1	2/23/91	4	1		113.6	N	
1	2/23/91	5	1		103.8	N	
1	2/23/91	6	1		74	N	
1	3/3/91	1	1		124.7	Y	890723678-75
1	3/3/91	2	1		123.4	N	
1	3/3/91	3	1		120	N	
1	3/3/91	4	1		114.6	N	
1	3/3/91	5	1		104.7	N	
1	3/3/91	6	1		81.9	N	
1	3/9/91	1	1		124.2	Y	2E-OP-020
1	3/9/91	2	1		123.3	N	
1	3/9/91	3	1		121.2	N	
1	3/9/91	4	1		116.8	N	
1	3/9/91	5	1		107.4	N	
1	3/9/91	6	1		77	N	
1	3/17/91	1	1		122.8	Y	E 890723678-75
1	3/17/91	2	1		122.3	N	
1	3/17/91	3	1		120.1	N	
1	3/17/91	4	1		115.1	N	
1	3/17/91	5	1		105.5	N	
1	3/17/91	6	1		75	N	
1	3/23/91	1	1		121.3	Y	E 703147
1	3/23/91	2	1		120.4	N	
1	3/23/91	3	1		117.4	N	
1	3/23/91	4	1		112	N	
1	3/23/91	5	1		102.6	N	
1	3/23/91	6	1		72.3	N	
1	3/30/91	1	1		121	Y	J 890523512-20
1	3/30/91	2	1		120	N	
1	3/30/91	3	1		118	N	
1	3/30/91	4	1		112	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/30/91	5	1		103	N	
1	3/30/91	6	1		73	N	
1	4/7/91	1	1		124	Y	J 890423320-11
1	4/7/91	2	1		122	N	
1	4/7/91	3	1		119	N	
1	4/7/91	4	1		114	N	
1	4/7/91	5	1		104	N	
1	4/7/91	6	1		74	N	
1	4/14/91	1	1		122	Y	E 703147
1	4/14/91	2	1		122	N	
1	4/14/91	3	1		118	N	
1	4/14/91	4	1		113	N	
1	4/14/91	5	1		104	N	
1	4/14/91	6	1		74	N	
1	4/20/91	1	1		118.8	Y	E
1	4/20/91	2	1		118.2	N	
1	4/20/91	3	1		115.6	N	
1	4/20/91	4	1		110.5	N	
1	4/20/91	5	1		100.1	N	
1	4/20/91	6	1		71.9	N	
1	4/28/91	1	1		121	Y	E 703147
1	4/28/91	2	1		120	N	
1	4/28/91	3	1		117	N	
1	4/28/91	4	1		112	N	
1	4/28/91	5	1		102	N	
1	4/28/91	6	1		72	N	
1	5/5/91	1	1		120.3	Y	E 900325164-40
1	5/5/91	2	1		119.9	N	
1	5/5/91	3	1		116.5	N	
1	5/5/91	4	1		110.9	N	
1	5/5/91	5	1		101.4	N	
1	5/5/91	6	1		72.9	N	
1	5/12/91	1	2		120.3	Y	E 900325164-4 Rechecked
1	5/12/91	2	2		118.8	N	
1	5/12/91	3	2		114.8	N	
1	5/12/91	4	2		109.5	N	
1	5/12/91	5	2		100.7	N	
1	5/12/91	6	2		73.6	N	
1	5/18/91	1	1		120.8	Y	E 900325164-40
1	5/18/91	2	1		119.9	N	
1	5/18/91	3	1		116.6	N	
1	5/18/91	4	1		111.3	N	
1	5/18/91	5	1		101.6	N	
1	5/18/91	6	1		73.7	N	
1	5/25/91	1	1		119.5	Y	E 900325164-40
1	5/25/91	2	1		118.9	N	
1	5/25/91	3	1		114.9	N	
1	5/25/91	4	1		110.2	N	
1	5/25/91	5	1		101.4	N	
1	5/25/91	6	1		73.3	N	
1	6/2/91	1	1		120	Y	E 900325164-4
1	6/2/91	2	1		118.6	N	
1	6/2/91	3	1		114.4	N	
1	6/2/91	4	1		109.1	N	
1	6/2/91	5	1		100.7	N	
1	6/2/91	6	1		73.8	N	
1	6/9/91	1	1		121.2	Y	E 900325164-4
1	6/9/91	3	1		116.5	N	
1	6/9/91	4	1		110.5	N	
1	6/9/91	5	1		101.2	N	
1	6/9/91	6	1		74.2	N	
1	6/15/91	1	1		121.7	Y	E 900325164-40
1	6/15/91	2	1		120.4	N	
1	6/15/91	3	1		116.6	N	
1	6/15/91	4	1		110.6	N	
1	6/15/91	5	1		101.2	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	6/15/91	6	1		74.8	N	
1	6/23/91	1	1		122.6	Y	J 2E-OP-021
1	6/23/91	2	1		121.3	N	
1	6/23/91	3	1		116.8	N	
1	6/23/91	4	1		110	N	
1	6/23/91	5	1		100.9	N	
1	6/23/91	6	1		74.6	N	
1	6/29/91	1	1		120.5	Y	E 900325164-4
1	6/29/91	2	1		119.2	N	
1	6/29/91	3	1		115.1	N	
1	6/29/91	4	1		109.6	N	
1	6/29/91	5	1		101.1	N	
1	6/29/91	6	1		75.3	N	
1	7/6/91	1	1		118.3	Y	E 900325164-40
1	7/6/91	2	1		117.9	N	
1	7/6/91	3	1		114.8	N	
1	7/6/91	4	1		109.7	N	
1	7/6/91	5	1		100.9	N	
1	7/6/91	6	1		75.2	N	
1	7/13/91	1	1		120.4	Y	E 900325164-40
1	7/13/91	2	1		119.2	N	
1	7/13/91	3	1		115.4	N	
1	7/13/91	4	1		110.2	N	
1	7/13/91	5	1		101.5	N	
1	7/13/91	6	1		76.4	N	
1	7/20/91	1	1		118	Y	E 900325164-40
1	7/20/91	2	1		117.4	N	
1	7/20/91	3	1		114	N	
1	7/20/91	4	1		109.2	N	
1	7/20/91	5	1		100.3	N	
1	7/20/91	6	1		75.3	N	
1	7/27/91	1	1		119.1	Y	E
1	7/27/91	2	1		118	N	
1	7/27/91	3	1		114.7	N	
1	7/27/91	4	1		109.5	N	
1	7/27/91	5	1		100.3	N	
1	7/27/91	6	1		75.7	N	
1	8/3/91	1	1		118.6	Y	E 900325164-40
1	8/3/91	2	1		118	N	
1	8/3/91	3	1		114.5	N	
1	8/3/91	4	1		109.4	N	
1	8/3/91	5	1		100.5	N	
1	8/3/91	6	1		76.8	N	
1	8/10/91	1	1		120	Y	E
1	8/10/91	2	1		119	N	
1	8/10/91	3	1		116	N	
1	8/10/91	4	1		111	N	
1	8/10/91	5	1		102	N	
1	8/10/91	6	1		78	N	
1	8/18/91	1	1		117.4	Y	E 900325164-40
1	8/18/91	2	1		117.2	N	
1	8/18/91	3	1		114.2	N	
1	8/18/91	4	1		109.4	N	
1	8/18/91	5	1		100.2	N	
1	8/18/91	6	1		77.1	N	
1	8/24/91	1	1		118.3	Y	E 900325164-4
1	8/24/91	2	1		117.7	N	
1	8/24/91	3	1		114.5	N	
1	8/24/91	4	1		109.6	N	
1	8/24/91	5	1		100.8	N	
1	8/24/91	6	1		77.7	N	
1	8/31/91	1	1		117.7	Y	E-900325164-4
1	8/31/91	2	1		117.3	N	
1	8/31/91	3	1		114.2	N	
1	8/31/91	4	1		109.1	N	
1	8/31/91	5	1		99.8	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/31/91	6	1		77.2	N	
1	9/8/91	1	1		117.7	Y	E-8812224428-104
1	9/8/91	2	1		117.3	N	
1	9/8/91	3	1		114.2	N	
1	9/8/91	4	1		109	N	
1	9/8/91	5	1		99.9	N	
1	9/8/91	6	1		77.2	N	
1	9/15/91	1	1		117.3	Y	E-881222428-104
1	9/15/91	2	1		116.7	N	
1	9/15/91	3	1		114.6	N	
1	9/15/91	4	1		109.8	N	
1	9/15/91	5	1		100.8	N	
1	9/15/91	6	1		78.6	N	
1	9/22/91	1	1		118.8	Y	E-900325164-4
1	9/22/91	2	1		117.3	N	
1	9/22/91	3	1		113.1	N	
1	9/22/91	4	1		107.9	N	
1	9/22/91	5	1		99.2	N	
1	9/22/91	6	1		78.2	N	
1	9/28/91	1	1		123.9	Y	J-Keithley 872 #T1-059
1	9/28/91	2	1		123.3	N	
1	9/28/91	3	1		120.4	N	
1	9/28/91	4	1		115.3	N	
1	9/28/91	5	1		105	N	
1	9/28/91	6	1		78.3	N	
1	10/5/91	1	1		117.6	Y	E-881222428-104
1	10/5/91	2	1		117.5	N	
1	10/5/91	3	1		115.2	N	
1	10/5/91	4	1		111.7	N	
1	10/5/91	5	1		104.1	N	
1	10/5/91	6	1		81.4	N	
1	10/12/91	1	1		120.3	Y	E-890723678-65 TC #4 Bad Data
1	10/12/91	2	1		118.8	N	
1	10/12/91	3	1		114.3	N	
1	10/12/91	5	1		101.3	N	
1	10/12/91	6	1		79.9	N	
1	10/19/91	1	1		119.9	Y	E-881222428-104
1	10/19/91	2	1		119	N	
1	10/19/91	3	1		115.4	N	
1	10/19/91	4	1		111.1	N	
1	10/19/91	5	1		102.9	N	
1	10/19/91	6	1		81.8	N	
1	11/2/91	1	1		121	Y	E
1	11/2/91	2	1		120	N	
1	11/2/91	3	1		116	N	
1	11/2/91	4	1		111	N	
1	11/2/91	5	1		102	N	
1	11/2/91	6	1		80	N	
1	11/9/91	1	1		120	Y	E-881222428-104
1	11/9/91	2	1		120	N	
1	11/9/91	3	1		116	N	
1	11/9/91	4	1		111	N	
1	11/9/91	5	1		103	N	
1	11/9/91	6	1		81	N	
1	11/17/91	1	1		120.4	Y	E-900325164-57
1	11/17/91	2	1		119.1	N	
1	11/17/91	3	1		115.1	N	
1	11/17/91	4	1		110.3	N	
1	11/17/91	5	1		101.8	N	
1	11/17/91	6	1		78.9	N	
1	11/24/91	1	1		119.5	Y	E
1	11/24/91	2	1		118.2	N	
1	11/24/91	3	1		114.1	N	
1	11/24/91	4	1		119.3	N	
1	11/24/91	5	1		100.9	N	
1	11/24/91	6	1		77.6	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110 THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/1/91	1	1		121.1	Y	E-703147
1	12/1/91	2	1		120.2	N	
1	12/1/91	3	1		116.5	N	
1	12/1/91	4	1		112	N	
1	12/1/91	5	1		103.7	N	
1	12/1/91	6	1		79.6	N	
1	12/8/91	1	1		120	Y	E-900325164-89
1	12/8/91	2	1		119.2	N	
1	12/8/91	3	1		115.2	N	
1	12/8/91	4	1		110.3	N	
1	12/8/91	5	1		101.8	N	
1	12/8/91	6	1		77.5	N	
1	12/14/91	1	1		118.8	Y	E-900325164-89
1	12/14/91	2	1		118.1	N	
1	12/14/91	3	1		114.8	N	
1	12/14/91	4	1		110.9	N	
1	12/14/91	5	1		102.4	N	
1	12/14/91	6	1		77.2	N	
1	12/20/91	1	1		119.8	Y	E-900325164-70
1	12/20/91	2	1		118.9	N	
1	12/20/91	3	1		115.2	N	
1	12/20/91	4	1		110.6	N	
1	12/20/91	5	1		102.2	N	
1	12/20/91	6	1		77.8	N	
1	12/29/91	1	1		119.5	Y	J-910126143-29
1	12/29/91	2	1		118.3	N	
1	12/29/91	3	1		114.3	N	
1	12/29/91	4	1		109.6	N	
1	12/29/91	5	1		101.1	N	
1	12/29/91	6	1		75.9	N	
1	1/4/92	1	1		119.7	Y	900325164-70
1	1/4/92	2	1		118.2	N	
1	1/4/92	3	1		114.6	N	
1	1/4/92	4	1		110.5	N	
1	1/4/92	5	1		101.6	N	
1	1/4/92	6	1		76.6	N	
1	1/11/92	1	1		120.1	Y	900325164-89
1	1/11/92	2	1		119.1	N	
1	1/11/92	3	1		115	N	
1	1/11/92	4	1		110.1	N	
1	1/11/92	5	1		101.3	N	
1	1/11/92	6	1		74.9	N	
1	1/16/92	1	1		120.8	Y	J 910126143-32
1	1/16/92	2	1		119.7	N	
1	1/16/92	3	1		115.3	N	
1	1/16/92	4	1		110.7	N	
1	1/16/92	5	1		101.8	N	
1	1/16/92	6	1		75.3	N	
1	1/25/92	1	1		120.6	Y	E-900325164-89
1	1/25/92	2	1		119.9	N	
1	1/25/92	3	1		115.7	N	
1	1/25/92	4	1		110.6	N	
1	1/25/92	5	1		101.7	N	
1	1/25/92	6	1		74.5	N	
1	1/28/92	1	1			N	ACCESS RESTRICTED 1/28 - 2/22 DUE TO BATTERY FUME INCIDENT
1	2/24/92	1	1		121.5	Y	E-881222428-104
1	2/24/92	2	1		120.7	N	
1	2/24/92	3	1		117	N	
1	2/24/92	4	1		111.7	N	
1	2/24/92	5	1		102.4	N	
1	2/24/92	6	1		75.4	N	
1	3/8/92	1	1		118	Y	E 900325164-47
1	3/8/92	2	1		117.4	N	
1	3/8/92	3	1		114.6	N	
1	3/8/92	4	1		110.1	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/8/92	5	1		101.2	N	
1	3/8/92	6	1		72.5	N	
1	3/15/92	1	1		117.3	Y	E 900325164-47
1	3/15/92	2	1		116.6	N	
1	3/15/92	3	1		114.2	N	
1	3/15/92	4	1		109.7	N	
1	3/15/92	5	1		100.3	N	
1	3/15/92	6	1		83.4	N	
1	3/20/92	1	1		119.2	Y	E 90032516447
1	3/20/92	2	1		118	N	
1	3/20/92	3	1		114.1	N	
1	3/20/92	4	1		108.4	N	
1	3/20/92	5	1		99	N	
1	3/20/92	6	1		71.9	N	
1	3/29/92	1	1		120.1	Y	E 900325164-18
1	3/29/92	2	1		119.4	N	
1	3/29/92	3	1		115.2	N	
1	3/29/92	4	1		109.7	N	
1	3/29/92	5	1		100.2	N	
1	3/29/92	6	1		72.5	N	
1	4/3/92	1	1		117.9	Y	J 910126143-14
1	4/3/92	2	1		117.2	N	
1	4/3/92	3	1		113.6	N	
1	4/3/92	4	1		108.8	N	
1	4/3/92	5	1		94.8	N	
1	4/3/92	6	1		71	N	
1	4/11/92	1	1		118.2	Y	E 900325164-18
1	4/11/92	2	1		117.2	N	
1	4/11/92	3	1		117.8	N	
1	4/11/92	4	1		107.3	N	
1	4/11/92	5	1		93.2	N	
1	4/11/92	6	1		70.1	N	
1	4/17/92	1	1		119.5	Y	E 90032516418
1	4/17/92	2	1		117.2	N	
1	4/17/92	3	1		112.7	N	
1	4/17/92	4	1		107.1	N	
1	4/17/92	5	1		93.1	N	
1	4/17/92	6	1		70.1	N	
1	4/25/92	1	1		121.3	Y	E 9003251641B
1	4/25/92	2	1		119.7	N	
1	4/25/92	3	1		115.2	N	
1	4/25/92	4	1		109.2	N	
1	4/25/92	5	1		94.7	N	
1	4/25/92	6	1		71.5	N	
1	4/30/92	1	1		118.3	Y	E 300325164-18
1	4/30/92	2	1		117	N	
1	4/30/92	3	1		112.6	N	
1	4/30/92	4	1		107.1	N	
1	4/30/92	5	1		93	N	
1	4/30/92	6	1		70.8	N	
1	5/8/92	1	1		115.7	Y	E 900325164-47
1	5/8/92	2	1		114	N	
1	5/8/92	3	1		109.5	N	
1	5/8/92	4	1		103.9	N	
1	5/8/92	5	1		90	N	
1	5/8/92	6	1		68	N	
1	5/16/92	1	1		119.8	Y	E 900325164-85
1	5/16/92	2	1		118.8	N	
1	5/16/92	3	1		114.6	N	
1	5/16/92	4	1		109.1	N	
1	5/16/92	5	1		95	N	
1	5/16/92	6	1		73.6	N	
1	5/24/92	1	1		118.9	Y	E 900325164-18
1	5/24/92	2	1		118.4	N	
1	5/24/92	3	1		114.2	N	
1	5/24/92	4	1		108.3	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	5/24/92	5	1		94	N	
1	5/24/92	6	1		72.6	N	
1	5/28/92	1	1		118	Y	J 900325164-47
1	5/28/92	2	1		116.6	N	
1	5/28/92	3	1		112.2	N	
1	5/28/92	4	1		106.7	N	
1	5/28/92	5	1		92.7	N	
1	5/28/92	6	1		71.9	N	
1	6/13/92	1	1		118.1	Y	E 900325164-89
1	6/13/92	2	1		117.1	N	
1	6/13/92	3	1		113.4	N	
1	6/13/92	4	1		108.1	N	
1	6/13/92	5	1		99.2	N	
1	6/13/92	6	1		74	N	
1	6/20/92	1	1		120.5	Y	E 0325164-40
1	6/20/92	2	1		119.7	N	
1	6/20/92	3	1		115.5	N	
1	6/20/92	4	1		109	N	
1	6/20/92	5	1		101	N	
1	6/28/92	1	1		116.4	Y	E TI-020 0325164-40
1	6/28/92	2	1		115.8	N	
1	6/28/92	3	1		111.7	N	
1	6/28/92	4	1		106.5	N	
1	6/28/92	5	1		97.7	N	
1	6/28/92	6	1		73.7	N	
1	7/3/92	1	1		117.3	Y	E TI-020
1	7/3/92	2	1		116.1	N	
1	7/3/92	3	1		112	N	
1	7/3/92	4	1		106.6	N	
1	7/3/92	5	1		97.9	N	
1	7/3/92	6	1		74.2	N	
1	7/10/92	1	1		116.3	Y	E 900325164-18
1	7/10/92	2	1		115.4	N	
1	7/10/92	3	1		111.5	N	
1	7/10/92	4	1		106.2	N	
1	7/10/92	5	1		97.7	N	
1	7/10/92	6	1		74.4	N	
1	7/18/92	1	1		118.7	Y	E 900325164-89
1	7/18/92	2	1		118.4	N	
1	7/18/92	3	1		114.5	N	
1	7/18/92	4	1		109.3	N	
1	7/18/92	5	1		100.6	N	
1	7/18/92	6	1		77.7	N	
1	7/24/92	1	1		120.4	Y	E 703183
1	7/24/92	2	1		119.1	N	
1	7/24/92	3	1		115	N	
1	7/24/92	4	1		109.8	N	
1	7/24/92	5	1		101.2	N	
1	7/24/92	6	1		78.8	N	
1	8/1/92	1	1		119.5	Y	E TI-020
1	8/1/92	2	1		119.4	N	
1	8/1/92	3	1		115.8	N	
1	8/1/92	4	1		110.7	N	
1	8/1/92	5	1		102.4	N	
1	8/1/92	6	1		80.4	N	
1	8/7/92	1	1		119.3	Y	E 900325164-40
1	8/7/92	2	1		118.1	N	
1	8/7/92	3	1		114.2	N	
1	8/7/92	4	1		109.4	N	
1	8/7/92	5	1		101.4	N	
1	8/7/92	6	1		79.5	N	
1	8/15/92	1	1		120	Y	E 881222428-104
1	8/15/92	2	1		119.4	N	
1	8/15/92	3	1		115.4	N	
1	8/15/92	4	1		110.4	N	
1	8/15/92	5	1		102.2	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/15/92	6	1		80.7	N	
1	8/21/92	1	1		120.3	Y	E 900325164-47
1	8/21/92	2	1		119.7	N	
1	8/21/92	3	1		115.1	N	
1	8/21/92	4	1		110.2	N	
1	8/21/92	5	1		102.1	N	
1	8/21/92	6	1		80.9	N	
1	8/30/92	1	1		120.3	Y	E 900325164-40
1	8/30/92	2	1		119.6	N	
1	8/30/92	3	1		115.7	N	
1	8/30/92	4	1		111	N	
1	8/30/92	5	1		102.7	N	
1	8/30/92	6	1		81.9	N	
1	9/6/92	1	1		118.9	Y	E 900325164-4
1	9/6/92	2	1		117.8	N	
1	9/6/92	3	1		114.2	N	
1	9/6/92	4	1		109.5	N	
1	9/6/92	5	1		101.5	N	
1	9/6/92	6	1		81.3	N	
1	9/12/92	1	1		118.8	Y	E 900325164-4 TC#6 BAD
1	9/12/92	2	1		117.8	N	
1	9/12/92	3	1		114.2	N	
1	9/12/92	4	1		109.5	N	
1	9/12/92	5	1		101.8	N	
1	9/20/92	1	1		119.5	Y	E 900325164-40
1	9/20/92	2	1		118.7	N	
1	9/20/92	3	1		115.2	N	
1	9/20/92	4	1		110.8	N	
1	9/20/92	5	1		103.2	N	
1	9/20/92	6	1		82.8	N	
1	9/28/92	1	1		118	Y	E 900325164-4
1	9/28/92	2	1		117	N	
1	9/28/92	3	1		114	N	
1	9/28/92	4	1		109	N	
1	9/28/92	5	1		102	N	
1	9/28/92	6	1		82	N	
2	9/30/92	1	1		109.5	Y	K 817-13-55-001 NEW TEMPERATURE TREE #2
2	9/30/92	2	1		107.1	N	
2	9/30/92	3	1		103.1	N	
2	9/30/92	4	1		89.4	N	
2	9/30/92	5	1		83.5	N	
2	9/30/92	6	1		82.3	N	
1	10/1/92	1	1		116.7	Y	E 900325164-4
1	10/1/92	2	1		116	N	
1	10/1/92	3	1		112.7	N	
1	10/1/92	4	1		108.2	N	
1	10/1/92	5	1		100.6	N	
1	10/1/92	6	1		80.6	N	
2	10/8/92	1	1		110	Y	817-13-55-006 TREE #2
2	10/8/92	2	1		106	N	
2	10/8/92	3	1		102	N	
2	10/8/92	4	1		88	N	
2	10/8/92	5	1		84	N	
2	10/8/92	6	1		82	N	
1	10/11/92	1	1		119	Y	E 900375164-4
1	10/11/92	2	1		119	N	
1	10/11/92	3	1		115	N	
1	10/11/92	4	1		111	N	
1	10/11/92	5	1		103	N	
1	10/11/92	6	1		82	N	
2	10/12/92	1	1		110.5	Y	817-13-55-001 TREE #2
2	10/12/92	2	1		106.4	N	
2	10/12/92	3	1		102	N	
2	10/12/92	4	1		88.6	N	
2	10/12/92	5	1		84	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
2	10/12/92	6	1		82.4	N	
1	10/18/92	1	1		118.2	Y	E 900325164-89
1	10/18/92	2	1		117.3	N	
1	10/18/92	3	1		113.5	N	
1	10/18/92	4	1		109.1	N	
1	10/18/92	5	1		101.3	N	
1	10/18/92	6	1		80.1	N	
2	10/20/92	1	1		112.3	Y	K 817-13-55-001 TREE #2
2	10/20/92	2	1		107.5	N	
2	10/20/92	3	1		103.5	N	
2	10/20/92	4	1		89.6	N	
2	10/20/92	5	1		85.7	N	
2	10/20/92	6	1		84	N	
1	10/24/92	1	1		118.2	Y	E 90032516418
1	10/24/92	2	1		117.8	N	
1	10/24/92	3	1		115.3	N	
1	10/24/92	4	1		111.9	N	
1	10/24/92	5	1		103.8	N	
1	10/24/92	6	1		81.8	N	
2	10/27/92	1	1		112	Y	K 817-13-55-001
2	10/27/92	2	1		107.9	N	
2	10/27/92	3	1		103.5	N	
2	10/27/92	4	1		90	N	
2	10/27/92	5	1		85.6	N	
2	10/27/92	6	1		84.1	N	
1	10/28/92	1	1		119.8	Y	E 90032516418
1	10/28/92	2	1		118.8	N	
1	10/28/92	3	1		115	N	
1	10/28/92	4	1		110.6	N	
1	10/28/92	5	1		102.6	N	
1	10/28/92	6	1		81.2	N	
1	11/1/92	1	1		121.2	Y	TMACS
1	11/1/92	2	1		120.2	N	
1	11/1/92	3	1		116.7	N	
1	11/1/92	4	1		112.6	N	
1	11/1/92	5	1		105.4	N	
1	11/1/92	6	1		84.7	N	
2	11/1/92	1	1		111	Y	TMACS TREE #2
2	11/1/92	2	1		106.3	N	
2	11/1/92	3	1		102.3	N	
2	11/1/92	4	1		88.7	N	
2	11/1/92	5	1		84.9	N	
2	11/1/92	6	1		84.3	N	
1	11/8/92	1	1		120.7	Y	TMACS
1	11/8/92	2	1		119.8	N	
1	11/8/92	3	1		116.6	N	
1	11/8/92	4	1		112.2	N	
1	11/8/92	5	1		105.4	N	
1	11/8/92	6	1		84	N	
2	11/8/92	1	1		111	Y	TMACS
2	11/8/92	2	1		106.5	N	
2	11/8/92	3	1		102	N	
2	11/8/92	4	1		88.5	N	
2	11/8/92	5	1		84.7	N	
2	11/8/92	6	1		83.6	N	
1	11/15/92	1	1		120.5	Y	TMACS
1	11/15/92	2	1		119.8	N	
1	11/15/92	3	1		116.6	N	
1	11/15/92	4	1		112.1	N	
1	11/15/92	5	1		105	N	
1	11/15/92	6	1		83.4	N	
2	11/15/92	1	1		111.3	Y	TMACS
2	11/15/92	2	1		107.2	N	
2	11/15/92	3	1		102	N	
2	11/15/92	4	1		87.8	N	
2	11/15/92	5	1		84.9	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
2	11/15/92	6	1		84	N	
1	11/20/92	1	1		120.1	Y	E 900325164-40
1	11/20/92	2	1		119.3	N	
1	11/20/92	3	1		115.6	N	
1	11/20/92	4	1		111.3	N	
1	11/20/92	5	1		103.3	N	
1	11/20/92	6	1		80.8	N	
1	11/29/92	1	1		121.1	Y	TMACS
1	11/29/92	2	1		120.3	N	
1	11/29/92	3	1		117.1	N	
1	11/29/92	4	1		112.8	N	
1	11/29/92	5	1		105.4	N	
1	11/29/92	6	1		83.4	N	
2	11/29/92	1	1		111.3	Y	TMACS
2	11/29/92	2	1		105.2	N	
2	11/29/92	3	1		102.2	N	
2	11/29/92	4	1		87.8	N	
2	11/29/92	5	1		84	N	
2	11/29/92	6	1		83.1	N	
2	12/9/92	1	1		108.4	Y	K 910426539-80
2	12/9/92	2	1		102.8	N	
2	12/9/92	3	1		97.6	N	
2	12/9/92	4	1		81.7	N	
2	12/9/92	5	1		78.4	N	
2	12/9/92	6	1		76.5	N	
1	12/14/92	1	1		120.3	Y	E 900325164-4
1	12/14/92	2	1		119.5	N	
1	12/14/92	3	1		115.8	N	
1	12/14/92	4	1		111.4	N	
1	12/14/92	5	1		103	N	
1	12/14/92	6	1		79	N	
2	12/29/92	1	1		110	Y	K 910226246-45
2	12/29/92	2	1		104	N	
2	12/29/92	3	1		96	N	
2	12/29/92	4	1		80	N	
2	12/29/92	5	1		78	N	
2	12/29/92	6	1		75	N	
2	1/5/93	1	1		109	Y	K 90226246-45
2	1/5/93	2	1		104	N	
2	1/5/93	3	1		96	N	
2	1/5/93	4	1		80	N	
2	1/5/93	5	1		78	N	
2	1/5/93	6	1		75	N	
2	1/12/93	1	1		109	Y	K 910226246-45
2	1/12/93	2	1		103	N	
2	1/12/93	3	1		97	N	
2	1/12/93	4	1		80	N	
2	1/12/93	5	1		78	N	
2	1/12/93	6	1		74	N	
1	1/19/93	1	1		119.9	Y	E 90722676-65
1	1/19/93	2	1		112.9	N	
1	1/19/93	3	1		115.6	N	
1	1/19/93	4	1		110.3	N	
1	1/19/93	5	1		101.6	N	
1	1/19/93	6	1		75.2	N	
2	1/19/93	1	1		109.4	Y	K 910226246-45
2	1/19/93	2	1		103.4	N	
2	1/19/93	3	1		95.4	N	
2	1/19/93	4	1		79.4	N	
2	1/19/93	5	1		76.5	N	
2	1/19/93	6	1		73.7	N	
1	1/23/93	1	1		119.9	Y	K 910226246-34
1	1/23/93	2	1		118.8	N	
1	1/23/93	3	1		114.9	N	
1	1/23/93	4	1		110.1	N	
1	1/23/93	5	1		101.3	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110 THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/23/93	6	1		74.4	N	
1	1/31/93	1	1		120.5	Y	E 88222428-104
1	1/31/93	2	1		119.3	N	
1	1/31/93	3	1		115.1	N	
1	1/31/93	4	1		110.1	N	
1	1/31/93	5	1		101.2	N	
1	1/31/93	6	1		73.9	N	
2	1/31/93	1	1		107	Y	K 8907236373-64
2	1/31/93	2	1		101.6	N	
2	1/31/93	3	1		93.5	N	
2	1/31/93	4	1		76.2	N	
2	1/31/93	5	1		74.1	N	
2	1/31/93	6	1		70.8	N	
1	2/5/93	1	1		120.9	Y	E 881222428-104
1	2/5/93	2	1		119.9	N	
1	2/5/93	3	1		116.1	N	
1	2/5/93	4	1		111.4	N	
1	2/5/93	5	1		102.1	N	
1	2/5/93	6	1		74.6	N	
2	2/5/93	1	1		107.8	Y	K 890723679-64
2	2/5/93	2	1		102.7	N	
2	2/5/93	3	1		94.4	N	
2	2/5/93	4	1		77.5	N	
2	2/5/93	5	1		75.2	N	
2	2/5/93	6	1		71.8	N	
2	2/21/93	1	1		107.7	Y	K 890723679-84
2	2/21/93	2	1		101.2	N	
2	2/21/93	3	1		95	N	
2	2/21/93	4	1		76.9	N	
2	2/21/93	5	1		74	N	
2	2/21/93	6	1		70.2	N	
1	2/22/93	1	1		121.1	Y	E 90032516455
1	2/22/93	2	1		120.3	N	
1	2/22/93	3	1		116.5	N	
1	2/22/93	4	1		111.3	N	
1	2/22/93	5	1		101.9	N	
1	2/22/93	6	1		73.3	N	
1	2/27/93	1	1		119.4	Y	E 90325164-47
1	2/27/93	2	1		118.5	N	
1	2/27/93	3	1		114.3	N	
1	2/27/93	4	1		109.2	N	
1	2/27/93	5	1		99.9	N	
1	2/27/93	6	1		71.8	N	
2	2/27/93	1	1		108	Y	K 910426539-80
2	2/27/93	2	1		102	N	
2	2/27/93	3	1		94.6	N	
2	2/27/93	4	1		76.4	N	
2	2/27/93	5	1		74.6	N	
2	2/27/93	6	1		70	N	
1	3/5/93	1	1		120.5	Y	E 90325164-47
1	3/5/93	2	1		119.5	N	
1	3/5/93	3	1		115.5	N	
1	3/5/93	4	1		110.1	N	
1	3/5/93	5	1		100.4	N	
1	3/5/93	6	1		71.9	N	
2	3/5/93	1	1		107.7	Y	K 910426539-80
2	3/5/93	2	1		102.2	N	
2	3/5/93	3	1		94.3	N	
2	3/5/93	4	1		76.6	N	
2	3/5/93	5	1		74.2	N	
2	3/5/93	6	1		70.1	N	
1	3/8/93	1	1		119.66	Y	TMACS
1	3/8/93	2	1		118.4	N	
1	3/8/93	3	1		114.62	N	
1	3/8/93	4	1		109.4	N	
1	3/8/93	5	1		100.76	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/8/93	6	1		72.87	N	
1	3/15/93	1	1		119.3	Y	TMACS
1	3/15/93	2	1		118.4	N	
1	3/15/93	3	1		114.62	N	
1	3/15/93	4	1		109.4	N	
1	3/15/93	5	1		100.58	N	
1	3/22/93	1	1		119.48	Y	TMACS
1	3/22/93	2	1		118.4	N	
1	3/22/93	3	1		114.62	N	
1	3/22/93	4	1		109.4	N	
1	3/22/93	5	1		100.58	N	
1	3/22/93	6	1		72.5	N	
1	3/29/93	1	1		118.94	Y	TMACS
1	3/29/93	2	1		117.86	N	
1	3/29/93	3	1		114.26	N	
1	3/29/93	4	1		108.86	N	
1	3/29/93	5	1		100.22	N	
1	3/29/93	6	1		71.78	N	
1	3/31/93	1	1		118.94	Y	TMACS
1	3/31/93	2	1		118.04	N	
1	3/31/93	3	1		114.08	N	
1	3/31/93	4	1		108.68	N	
1	3/31/93	5	1		99.68	N	
1	3/31/93	6	1		71.42	N	
2	3/31/93	1	1		109	Y	
2	3/31/93	2	1		103	N	
2	3/31/93	3	1		95	N	
2	3/31/93	4	1		79	N	
2	3/31/93	5	1		77	N	
2	3/31/93	6	1		72	N	
1	4/5/93	1	1		118.58	Y	TMACS
1	4/5/93	2	1		117.68	N	
1	4/5/93	3	1		113.9	N	
1	4/5/93	4	1		108.68	N	
1	4/5/93	5	1		99.68	N	
1	4/5/93	6	1		71.6	N	
2	4/5/93	1	1		108.86	Y	TMACS
2	4/5/93	2	1		103.1	N	
2	4/5/93	3	1		95.18	N	
2	4/5/93	4	1		79.34	N	
2	4/5/93	5	1		77	N	
2	4/5/93	6	1		72.14	N	
1	4/12/93	1	1		119.3	Y	TMAC
1	4/12/93	2	1		118.04	N	
1	4/12/93	3	1		114.08	N	
1	4/12/93	4	1		108.86	N	
1	4/12/93	5	1		99.86	N	
1	4/12/93	6	1		71.6	N	
2	4/12/93	1	1		108.86	Y	TMAC
2	4/12/93	2	1		102.92	N	
2	4/12/93	3	1		95.18	N	
2	4/12/93	4	1		79.34	N	
2	4/12/93	5	1		76.82	N	
2	4/12/93	6	1		72.14	N	
1	4/19/93	1	1		118.76	Y	TMACS
1	4/19/93	2	1		117.68	N	
1	4/19/93	3	1		113.72	N	
1	4/19/93	4	1		108.32	N	
1	4/19/93	5	1		99.68	N	
1	4/19/93	6	1		71.6	N	
2	4/19/93	1	1		108.5	Y	TMACS
2	4/19/93	2	1		102.38	N	
2	4/19/93	3	1		95.54	N	
2	4/19/93	4	1		79.7	N	
2	4/19/93	5	1		77	N	
2	4/19/93	6	1		71.96	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	4/25/93	1	1		118.76	Y	TMACS
1	4/25/93	2	1		117.5	N	
1	4/25/93	3	1		113.72	N	
1	4/25/93	4	1		108.32	N	
1	4/25/93	5	1		99.32	N	
1	4/25/93	6	1		71.78	N	
2	4/25/93	1	1		108.32	Y	TMACS
2	4/25/93	2	1		102.2	N	
2	4/25/93	3	1		95.54	N	
2	4/25/93	4	1		80.06	N	
2	4/25/93	5	1		77	N	
2	4/25/93	6	1		71.96	N	
1	5/3/93	1	1		118.22	Y	TMACS
1	5/3/93	2	1		117.14	N	
1	5/3/93	3	1		113	N	
1	5/3/93	4	1		107.6	N	
1	5/3/93	5	1		99.14	N	
1	5/3/93	6	1		71.6	N	
2	5/3/93	1	1		109.22	Y	TMACS
2	5/3/93	2	1		102.92	N	
2	5/3/93	3	1		96.62	N	
2	5/3/93	4	1		81.5	N	
2	5/3/93	5	1		77.9	N	
2	5/3/93	6	1		73.22	N	
1	5/8/93	1	1		118.6	Y	E 900325164-85
1	5/8/93	2	1		112.3	N	
1	5/8/93	3	1		113.1	N	
1	5/8/93	4	1		107.6	N	
1	5/8/93	5	1		107.6	N	
1	5/8/93	6	1		98	N	
2	5/8/93	1	1		107.6	Y	K 910426539-7
2	5/8/93	2	1		101.2	N	
2	5/8/93	3	1		94.4	N	
2	5/8/93	4	1		94.4	N	
2	5/8/93	5	1		78.8	N	
2	5/8/93	6	1		75.1	N	
1	5/10/93	1	1		118.22	Y	TMACS
1	5/10/93	2	1		117.14	N	
1	5/10/93	3	1		113	N	
1	5/10/93	4	1		107.6	N	
1	5/10/93	5	1		98.78	N	
1	5/10/93	6	1		71.6	N	
2	5/10/93	1	1		109.4	Y	TMACS
2	5/10/93	2	1		103.28	N	
2	5/10/93	3	1		96.62	N	
2	5/10/93	4	1		81.68	N	
2	5/10/93	5	1		78.08	N	
2	5/10/93	6	1		73.22	N	
1	5/17/93	1	1		119.9	Y	E900325164-85
1	5/17/93	2	1		119.6	N	
1	5/17/93	3	1		115.4	N	
1	5/17/93	4	1		109.6	N	
1	5/17/93	5	1		99.9	N	
1	5/17/93	6	1		72.2	N	
2	5/17/93	1	1		108	Y	k910426539-7
2	5/17/93	2	1		102.5	N	
2	5/17/93	3	1		97	N	
2	5/17/93	4	1		82.4	N	
2	5/17/93	5	1		78.2	N	
2	5/17/93	6	1		73.7	N	
1	5/23/93	1	1		116.9	Y	E 900325164-40
1	5/23/93	2	1		116	N	
1	5/23/93	3	1		112.8	N	
1	5/23/93	4	1		107.5	N	
1	5/23/93	5	1		97.9	N	
1	5/23/93	6	1		71.4	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
2	5/23/93	1	1		107.8	Y	K 890723633-71
2	5/23/93	2	1		101.4	N	
2	5/23/93	3	1		95.8	N	
2	5/23/93	4	1		80.9	N	
2	5/23/93	5	1		76.6	N	
2	5/23/93	6	1		71.6	N	
1	5/30/93	1	1		118	Y	E 900325164-85
1	5/30/93	2	1		116.8	N	
1	5/30/93	3	1		112.6	N	
1	5/30/93	4	1		107.2	N	
1	5/30/93	5	1		97.9	N	
1	5/30/93	6	1		71.3	N	
2	5/30/93	1	1		107.9	Y	K 890723679-64
2	5/30/93	2	1		101.6	N	
2	5/30/93	3	1		96.4	N	
2	5/30/93	4	1		81.8	N	
2	5/30/93	5	1		77.6	N	
2	5/30/93	6	1		72.5	N	
1	6/4/93	1	1		118	Y	E 900325164-85
1	6/4/93	2	1		117.2	N	
1	6/4/93	3	1		113	N	
1	6/4/93	4	1		107.6	N	
1	6/4/93	5	1		98	N	
1	6/4/93	6	1		71.4	N	
2	6/4/93	1	1		108.1	Y	K 890723679-64
2	6/4/93	2	1		101.5	N	
2	6/4/93	3	1		96.6	N	
2	6/4/93	4	1		82.5	N	
2	6/4/93	5	1		78	N	
2	6/4/93	6	1		73.1	N	
1	6/7/93	1	1		117.86	Y	TMACS
1	6/7/93	2	1		116.78	N	
1	6/7/93	3	1		112.46	N	
1	6/7/93	4	1		107.24	N	
1	6/7/93	5	1		98.78	N	
1	6/7/93	6	1		73.04	N	
2	6/7/93	1	1		109.04	Y	TMACS
2	6/7/93	2	1		102.02	N	
2	6/7/93	3	1		97.34	N	
2	6/7/93	4	1		83.3	N	
2	6/7/93	5	1		78.98	N	
2	6/7/93	6	1		75.02	N	
1	6/14/93	1	1		117.5	Y	TMACS
1	6/14/93	2	1		116.24	N	
1	6/14/93	3	1		112.28	N	
1	6/14/93	4	1		107.06	N	
1	6/14/93	5	1		98.42	N	
1	6/14/93	6	1		73.22	N	
2	6/14/93	1	1		109.58	Y	TMACS
2	6/14/93	2	1		102.2	N	
2	6/14/93	3	1		97.7	N	
2	6/14/93	4	1		84.02	N	
2	6/14/93	5	1		79.7	N	
2	6/14/93	6	1		75.74	N	
1	6/21/93	1	1		117.5	Y	TMACS
1	6/21/93	2	1		116.42	N	
1	6/21/93	3	1		112.46	N	
1	6/21/93	4	1		107.24	N	
1	6/21/93	5	1		98.78	N	
1	6/21/93	6	1		73.94	N	
2	6/21/93	1	1		109.04	N	
2	6/21/93	2	1		102.38	N	
2	6/21/93	3	1		97.7	N	
2	6/21/93	4	1		84.38	N	
2	6/21/93	5	1		79.88	N	
2	6/21/93	6	1		75.74	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	7/3/93	1	1		116.9	Y	E TI-031
1	7/3/93	2	1		115.9	N	
1	7/3/93	3	1		112.7	N	
1	7/3/93	4	1		107.7	N	
1	7/3/93	5	1		98.9	N	
1	7/3/93	6	1		73.6	N	
1	7/8/93	1	1		119.4	Y	E 900325164-85
1	7/8/93	2	1		118.7	N	
1	7/8/93	3	1		113.7	N	
1	7/8/93	4	1		109.1	N	
1	7/8/93	5	1		99.9	N	
1	7/8/93	6	1		75.5	N	
2	7/8/93	1	1		107.4	Y	K 910226246-45
2	7/8/93	2	1		102	N	
2	7/8/93	3	1		98	N	
2	7/8/93	4	1		85.1	N	
2	7/8/93	5	1		80.5	N	
2	7/8/93	6	1		76.6	N	
1	7/16/93	1	1		117.9	Y	E 900325164-18
1	7/16/93	2	1		117.6	N	
1	7/16/93	3	1		113.8	N	
1	7/16/93	4	1		108.5	N	
1	7/16/93	5	1		99.7	N	
1	7/16/93	6	1		76.1	N	
2	7/16/93	1	1		107.6	Y	K 910426539-7
2	7/16/93	2	1		101.7	N	
2	7/16/93	3	1		97.6	N	
2	7/16/93	4	1		84.9	N	
2	7/16/93	5	1		80.1	N	
2	7/16/93	6	1		76	N	
1	7/24/93	1	1		119.2	Y	E 90032516418
1	7/24/93	2	1		118.7	N	
1	7/24/93	3	1		114.9	N	
1	7/24/93	4	1		109.5	N	
1	7/24/93	5	1		100.6	N	
1	7/24/93	6	1		77.4	N	
2	7/24/93	1	1		108	Y	K 9104265397
2	7/24/93	2	1		102.7	N	
2	7/24/93	3	1		98.6	N	
2	7/24/93	4	1		86.2	N	
2	7/24/93	5	1		81.8	N	
2	7/24/93	6	1		77.9	N	
1	7/31/93	1	1		119.8	Y	TI-031 E 90032516418
1	7/31/93	2	1		118.9	N	
1	7/31/93	3	1		114.8	N	
1	7/31/93	4	1		109.3	N	
1	7/31/93	5	1		100.4	N	
1	7/31/93	6	1		77.3	N	
2	7/31/93	1	1		107.6	Y	TI-043 K 0723633-71
2	7/31/93	2	1		102.1	N	
2	7/31/93	3	1		98.1	N	
2	7/31/93	4	1		85.7	N	
2	7/31/93	5	1		81.5	N	
2	7/31/93	6	1		77.6	N	
1	8/5/93	1	1		118.1	Y	E 90032564-40
1	8/5/93	2	1		117.7	N	
1	8/5/93	3	1		114	N	
1	8/5/93	4	1		108.6	N	
1	8/5/93	5	1		100	N	
1	8/5/93	6	1		77.3	N	
2	8/5/93	1	1		106.9	Y	K 890723633-71
2	8/5/93	2	1		101.2	N	
2	8/5/93	3	1		97.1	N	
2	8/5/93	4	1		84.9	N	
2	8/5/93	5	1		79.9	N	
2	8/5/93	6	1		75.6	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/13/93	1	1		119	N	E900325164-40
1	8/13/93	2	1		118	N	
1	8/13/93	3	1		114.9	N	
1	8/13/93	4	1		119.7	Y	
1	8/13/93	5	1		101.1	N	
1	8/13/93	6	1		78.6	N	
2	8/13/93	1	1		108.1	Y	K9104265-39-7
2	8/13/93	2	1		108	N	
2	8/13/93	3	1			N	107.9 - suspect data (high)
2	8/13/93	4	1			N	107.8 - suspect data (high)
2	8/13/93	5	1			N	107.6 - suspect data (high)
2	8/13/93	6	1			N	107.6 - suspect data (high)
1	8/20/93	1	1		117.2	Y	E 900325164-4 TC 7 O/S
1	8/20/93	2	1		116.2	N	
1	8/20/93	3	1		112.5	N	
1	8/20/93	4	1		107.6	N	
1	8/20/93	5	1		99.5	N	
1	8/20/93	6	1		77.2	N	
2	8/20/93	1	1		104.7	Y	K 890723633-71
2	8/20/93	2	1		100	N	
2	8/20/93	3	1		96.3	N	
2	8/20/93	4	1		95	N	
2	8/20/93	5	1		80	N	
2	8/20/93	6	1		76.3	N	
1	8/26/93	1	1		116.5	Y	E 900325164-40
1	8/26/93	2	1		116.3	N	
1	8/26/93	3	1		111.9	N	
1	8/26/93	4	1		107.8	N	
1	8/26/93	5	1		99.3	N	
1	8/26/93	6	1		76.6	N	
1	8/28/93	1	1		117.1	Y	E 900325164-18
1	8/28/93	2	1		115.7	N	
1	8/28/93	3	1		111.8	N	
1	8/28/93	4	1		107	N	
1	8/28/93	5	1		98.9	N	
1	8/28/93	6	1		77.2	N	
1	8/28/93	1	2		117.5	Y	E 900325164-18
1	8/28/93	2	2		116.2	N	
1	8/28/93	3	2		112.3	N	
1	8/28/93	4	2		107.5	N	
1	8/28/93	5	2		99.7	N	
1	8/28/93	6	2		77.7	N	
2	8/28/93	1	1		105.4	Y	K 890723633-71
2	8/28/93	2	1		99.8	N	
2	8/28/93	3	1		95.7	N	
2	8/28/93	4	1		84.2	N	
2	8/28/93	5	1		79.3	N	
2	8/28/93	6	1		75.6	N	
1	9/3/93	1	1		119.1	Y	E 900325164-18
1	9/3/93	2	1		118.7	N	
1	9/3/93	3	1		114.9	N	
1	9/3/93	4	1		109.8	N	
1	9/3/93	5	1		101.4	N	
1	9/3/93	6	1		79.8	N	
2	9/3/93	1	1		108.1	Y	K 910426539-7
2	9/3/93	2	1		103.8	N	
2	9/3/93	3	1		100.6	N	
2	9/3/93	4	1		89.6	N	
2	9/3/93	5	1		85.1	N	
2	9/3/93	6	1		81.5	N	
1	9/9/93	1	1		118.7	Y	E 881222428-104
1	9/9/93	2	1		118.1	N	
1	9/9/93	3	1		114.5	N	
1	9/9/93	4	1		109.4	N	
1	9/9/93	5	1		101.1	N	
1	9/9/93	6	1		79.6	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	9/16/93	1	1		117.3	Y	E 900325164-18
1	9/16/93	2	1		116.4	N	
1	9/16/93	3	1		113.5	N	
1	9/16/93	4	1		108.9	N	
1	9/16/93	5	1		100.5	N	
1	9/16/93	6	1		78.7	N	
1	9/20/93	1	1		118.2	Y	E 900325164-18
1	9/20/93	2	1		117.2	N	
1	9/20/93	3	1		113.2	N	
1	9/20/93	4	1		108.5	N	
1	9/20/93	5	1		100.5	N	
1	9/20/93	6	1		79.3	N	
2	9/20/93	1	1		106.6	Y	K 90226246-45
2	9/20/93	2	1		101.4	N	
2	9/20/93	3	1		97.5	N	
2	9/20/93	4	1		86.2	N	
2	9/20/93	5	1		81.6	N	
2	9/20/93	6	1		78	N	
1	9/25/93	1	1		117.9	Y	E TI-051
1	9/25/93	2	1		116.6	N	
1	9/25/93	3	1		112.6	N	
1	9/25/93	4	1		108	N	
1	9/25/93	5	1		100.1	N	
1	9/25/93	6	1		78.7	N	
2	9/25/93	1	1		103.9	Y	K TI-015
2	9/25/93	2	1		98.6	N	
2	9/25/93	3	1		94.8	N	
2	9/25/93	4	1		83.5	N	
2	9/25/93	5	1		78.9	N	
2	9/25/93	6	1		75.4	N	
1	9/30/93	1	1		116.7	Y	E 881222428-104
1	9/30/93	2	1		115.6	N	
1	9/30/93	3	1		111.8	N	
1	9/30/93	4	1		107.2	N	
1	9/30/93	5	1		99.2	N	
1	9/30/93	6	1		78.2	N	
2	9/30/93	1	1		106	Y	K 90226246-45
2	9/30/93	2	1		101	N	
2	9/30/93	3	1		97	N	
2	9/30/93	4	1		86.2	N	
2	9/30/93	5	1		81.4	N	
2	9/30/93	6	1		77.8	N	
1	10/13/93	1	1		116.1	N	E 900325164-4
1	10/13/93	2	1		115.2	N	
1	10/13/93	3	1		117.5	Y	
1	10/13/93	4	1		107.2	N	
1	10/13/93	5	1		99.4	N	
1	10/13/93	6	1		78.6	N	
2	10/13/93	1	1		106.4	Y	K 910226246-45
2	10/13/93	2	1		101.8	N	
2	10/13/93	3	1		97.7	N	
2	10/13/93	4	1		86.5	N	
2	10/13/93	5	1		81.8	N	
2	10/13/93	6	1		78.3	N	
1	10/20/93	1	1		116	Y	E 900325164-53
1	10/20/93	2	1		115.5	N	
1	10/20/93	3	1		111.5	N	
1	10/20/93	4	1		107.6	N	
1	10/20/93	5	1		99.6	N	
1	10/20/93	6	1		78.8	N	
2	10/20/93	1	1		104.3	Y	K 890723633-71
2	10/20/93	2	1		99.2	N	
2	10/20/93	3	1		95.4	N	
2	10/20/93	4	1		84	N	
2	10/20/93	5	1		79.9	N	
2	10/20/93	6	1		76.3	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-110							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	10/26/93	1	1		117.7	Y	E 900325164-53
1	10/26/93	2	1		116.5	N	
1	10/26/93	3	1		112.7	N	
1	10/26/93	4	1		108.3	N	
1	10/26/93	5	1		100.3	N	
1	10/26/93	6	1		79	N	
2	10/26/93	1	1		106.3	Y	K 910226246-45
2	10/26/93	2	1		101	N	
2	10/26/93	3	1		97.3	N	
2	10/26/93	4	1		85.1	N	
2	10/26/93	5	1		85.5	N	
2	10/26/93	6	1		77.9	N	
1	11/1/93	1	1		116.96	Y	TMACS
1	11/1/93	2	1		116.06	N	
1	11/1/93	3	1		112.64	N	
1	11/1/93	4	1		108.14	N	
1	11/1/93	5	1		100.94	N	
1	11/1/93	6	1		80.06	N	
2	11/1/93	1	1		108.68	Y	TMACS
2	11/1/93	2	1		103.46	N	
2	11/1/93	3	1		99.86	N	
2	11/1/93	4	1		87.44	N	
2	11/1/93	5	1		84.38	N	
2	11/1/93	6	1		81.86	N	
1	11/7/93	1	1		107.4	Y	K 910426539-80
1	11/7/93	2	1		102.1	N	
1	11/7/93	3	1		98.7	N	
1	11/7/93	4	1		86.1	N	
1	11/7/93	5	1		82.8	N	
1	11/7/93	6	1		79.4	N	
2	11/7/93	1	1		117.9	Y	E 900325164-4
2	11/7/93	2	1		117.2	N	
2	11/7/93	3	1		113.6	N	
2	11/7/93	4	1		109.1	N	
2	11/7/93	5	1		101	N	
2	11/7/93	6	1		79.5	N	
1	11/8/93	1	1		116.96	Y	TMACS
1	11/8/93	2	1		116.06	N	
1	11/8/93	3	1		112.64	N	
1	11/8/93	4	1		108.14	N	
1	11/8/93	5	1		101.12	N	
1	11/8/93	6	1		80.06	N	
2	11/8/93	1	1		108.86	Y	TMACS
2	11/8/93	2	1		103.64	N	
2	11/8/93	3	1		99.86	N	
2	11/8/93	4	1		86.72	N	
2	11/8/93	5	1		84.2	N	
2	11/8/93	6	1		81.86	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-111							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	9/12/74	1		50	122		raw data - assumed degree C
1	9/12/74	2		50	122		raw data - assumed degree C
1	9/12/74	3		50	122		raw data - assumed degree C
1	9/12/74	4		50	122		raw data - assumed degree C
1	9/12/74	5		48	118.4		raw data - assumed degree C
1	9/12/74	6		48	118.4		raw data - assumed degree C
1	9/12/74	7		48	118.4		raw data - assumed degree C
1	9/12/74	8		44	111.2		raw data - assumed degree C
1	9/12/74	9		39	102.2		raw data - assumed degree C
1	9/12/74	10		34	93.2		raw data - assumed degree C
1	10/8/74	3		48	118.4		raw data - assumed degree C
1	10/8/74	4		48	118.4		raw data - assumed degree C
1	10/8/74	6		48	118.4		raw data - assumed degree C
1	10/8/74	7		48	118.4		raw data - assumed degree C
1	10/8/74	8		43	109.4		raw data - assumed degree C
1	10/8/74	10		32	89.6		raw data - assumed degree C
1	11/26/74	1		28	82.4		raw data - assumed degree C
1	11/26/74	2		28	82.4		raw data - assumed degree C
1	11/26/74	4		27	80.6		raw data - assumed degree C
1	11/26/74	6		26	78.8		raw data - assumed degree C
1	11/26/74	8		25	77		raw data - assumed degree C
1	11/26/74	10		25	77		raw data - assumed degree C
1	11/26/74	11		25	77		raw data - assumed degree C
1	11/26/74	12		22	71.6		raw data - assumed degree C
1	12/17/74	1					13.33 - suspect data (low)
1	12/17/74	2					14.44 - suspect data (low)
1	12/17/74	3					14.44 - suspect data (low)
1	12/17/74	4					13.33 - suspect data (low)
1	12/17/74	5					13.89 - suspect data (low)
1	12/17/74	6					14.44 - suspect data (low)
1	12/17/74	7					13.89 - suspect data (low)
1	12/17/74	8					14.44 - suspect data (low)
1	12/17/74	9					13.89 - suspect data (low)
1	12/17/74	10					13.33 - suspect data (low)
1	12/17/74	11					13.33 - suspect data (low)
1	12/17/74	12					13.33 - suspect data (low)
1	6/10/75	1					58 - suspect data (low)
1	6/10/75	2					58 - suspect data (low)
1	6/10/75	3					58 - suspect data (low)
1	6/10/75	4					58 - suspect data (low)
1	6/10/75	5					58 - suspect data (low)
1	6/10/75	6					58 - suspect data (low)
1	6/10/75	7					58 - suspect data (low)
1	6/10/75	8					58 - suspect data (low)
1	6/10/75	9					58 - suspect data (low)
1	6/10/75	10					58 - suspect data (low)
1	6/10/75	11					60- suspect data (low)
1	6/10/75	12					60- suspect data (low)
1	6/10/75	13					60- suspect data (low)
1	6/10/75	14					60- suspect data (low)
1	7/28/75	3			83		
1	7/28/75	6			73		
1	7/28/75	8			72		
1	7/28/75	10			73		
1	8/26/75	1			95		
1	8/26/75	2			93		
1	8/26/75	3			93		
1	8/26/75	4			92		
1	8/26/75	5			92		
1	8/26/75	6			92		
1	8/26/75	7			91		
1	8/26/75	8			91		
1	8/26/75	9			90		
1	8/26/75	10			90		
1	8/26/75	11			90		

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-111							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/26/75	12			90		
1	11/21/75	3			124		
1	11/21/75	6			123		
1	11/21/75	8			122		
1	11/21/75	10			91		
1	3/4/76	3			119		
1	3/4/76	6			117		
1	3/4/76	8			106		
1	3/4/76	10			77		
1	5/7/76	3			109		
1	5/7/76	6			107		
1	5/7/76	8			95		
1	5/7/76	10			69		
1	6/9/76	3			107		
1	6/9/76	6			106		
1	6/9/76	8			94		
1	6/9/76	10			72		
1	8/14/76	3			101		
1	8/14/76	6			99		
1	8/14/76	8			91		
1	8/14/76	10			73		
1	8/14/76	3			101		
1	8/14/76	6			99		
1	8/14/76	8			91		
1	8/14/76	10			73		
1	9/13/76	1			87		
1	9/13/76	2			85		
1	9/13/76	3			91		
1	9/13/76	4			85		
1	9/13/76	5			83		
1	9/13/76	6			91		
1	9/13/76	7			86		
1	9/13/76	8			90		
1	9/13/76	9			86		
1	9/13/76	10			88		
1	9/13/76	11			88		
1	9/13/76	12			87		
1	11/7/76	3			76		
1	11/7/76	6			76		
1	11/7/76	8			70		
1	11/7/76	10			65		
1	12/9/76	2			93		
1	12/9/76	3			95		
1	12/9/76	6			95		
1	12/9/76	7			96		
1	12/9/76	9			94		
1	12/9/76	10			94		
1	12/9/76	12			82		
1	1/3/77	1					36 - suspect data (low)
1	1/3/77	2					35 - suspect data (low)
1	1/3/77	3					38 - suspect data (low)
1	1/3/77	4					35 - suspect data (low)
1	1/3/77	5					35 - suspect data (low)
1	1/3/77	6					37 - suspect data (low)
1	1/3/77	7					35 - suspect data (low)
1	1/3/77	8					38 - suspect data (low)
1	1/3/77	9					35 - suspect data (low)
1	1/3/77	10					36 - suspect data (low)
1	1/3/77	11					35 - suspect data (low)
1	1/3/77	12					36 - suspect data (low)
1	2/26/77	1					60 - suspect data (low)
1	2/26/77	2					61 - suspect data (low)
1	2/26/77	3					61 - suspect data (low)
1	2/26/77	4					61 - suspect data (low)
1	2/26/77	5					61 - suspect data (low)

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-111 THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	2/26/77	6					61 - suspect data (low)
1	2/26/77	7					61 - suspect data (low)
1	2/26/77	8					62 - suspect data (low)
1	2/26/77	9					61 - suspect data (low)
1	2/26/77	10					61 - suspect data (low)
1	2/26/77	11					61 - suspect data (low)
1	2/26/77	12					61 - suspect data (low)
1	3/28/77	1					57 - suspect data (low)
1	3/28/77	2					57 - suspect data (low)
1	3/28/77	3					59 - suspect data (low)
1	3/28/77	4					58 - suspect data (low)
1	3/28/77	5					58 - suspect data (low)
1	3/28/77	6					60 - suspect data (low)
1	3/28/77	7					58 - suspect data (low)
1	3/28/77	8					60 - suspect data (low)
1	3/28/77	9					58 - suspect data (low)
1	3/28/77	10					58 - suspect data (low)
1	3/28/77	11					58 - suspect data (low)
1	3/28/77	12					58 - suspect data (low)
1	4/27/77	1			93		
1	4/27/77	2			80		
1	4/27/77	3			68		
1	4/27/77	4			92		
1	4/27/77	5			92		
1	4/27/77	6			85		
1	4/27/77	7			85		
1	4/27/77	8			79		
1	4/27/77	9			63		
1	4/27/77	10			66		
1	4/27/77	11			70		
1	4/27/77	12			70		
1	10/7/77	2					310 - suspect data (high)
1	10/7/77	5			51		
1	10/7/77	7			61		
1	10/7/77	10			84		
1	1/28/78	1			96		
1	1/28/78	2			96		
1	1/28/78	3			95		
1	1/28/78	4			95		
1	1/28/78	5			96		
1	1/28/78	6			93		
1	1/28/78	7			89		
1	1/28/78	8			81		
1	1/28/78	9			72		
1	1/28/78	10			57		
1	1/28/78	11			45		
1	1/28/78	12			45		
1	2/28/79	1			111		
1	2/28/79	2			110		
1	2/28/79	3			108		
1	2/28/79	4			108		
1	2/28/79	5			109		
1	2/28/79	6			110		
1	2/28/79	7			103		
1	2/28/79	8			96		
1	2/28/79	9			85		
1	2/28/79	10			72		
1	2/28/79	11			62		
1	2/28/79	12			62		
1	3/26/78	1			98		
1	3/26/78	2			98		
1	3/26/78	3			96		
1	3/26/78	4			96		
1	3/26/78	5			96		
1	3/26/78	6			97		

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-111							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/26/78	7			96		
1	3/26/78	8			82		
1	3/26/78	9			72		
1	3/26/78	10			60		
1	3/26/78	11			53		
1	3/26/78	12			53		
1	4/23/78	1			109		
1	4/23/78	2			109		
1	4/23/78	3			107		
1	4/23/78	4			106		
1	4/23/78	5			106		
1	4/23/78	6			99		
1	4/23/78	7			94		
1	4/23/78	8			87		
1	4/23/78	9			79		
1	4/23/78	10			71		
1	4/23/78	11			71		
1	4/23/78	12			71		
1	6/17/78	1			102		
1	6/17/78	2			101		
1	6/17/78	3			99		
1	6/17/78	4			100		
1	6/17/78	5			99		
1	6/17/78	6			92		
1	6/17/78	7			85		
1	6/17/78	8			78		
1	6/17/78	9			78		
1	6/17/78	10			66		
1	6/17/78	11			66		
1	6/17/78	12			67		
1	7/16/78	1			78		
1	7/16/78	2			77		
1	7/16/78	3			76		
1	7/16/78	4			75		
1	7/16/78	5			75		
1	7/16/78	6			75		
1	7/16/78	7			68		
1	7/16/78	8			61		
1	7/16/78	9			54		
1	7/16/78	10			48		
1	7/16/78	11			46		
1	7/16/78	12			46		
1	7/16/78	13			46		
1	7/16/78	14			46		
1	8/13/78	1			99		
1	8/13/78	2			98		
1	8/13/78	3			97		
1	8/13/78	4			97		
1	8/13/78	5			97		
1	8/13/78	6			96		
1	8/13/78	7			91		
1	8/13/78	8			86		
1	8/13/78	9			80		
1	8/13/78	10			75		
1	8/13/78	11			72		
1	8/13/78	12			72		
1	8/13/78	13			73		
1	8/13/78	14			73		
1	9/10/78	1			102		
1	9/10/78	2			101		
1	9/10/78	3			100		
1	9/10/78	4			100		
1	9/10/78	5			100		
1	9/10/78	6			100		
1	9/10/78	7			95		

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-111 THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	9/10/78	8			90		
1	9/10/78	9			84		
1	9/10/78	10			76		
1	9/10/78	11			75		
1	9/10/78	12			75		
1	9/10/78	13			76		
1	9/10/78	14			76		
1	10/7/78	1			104		
1	10/7/78	2			104		
1	10/7/78	3			106		
1	10/7/78	4			102		
1	10/7/78	5			104		
1	10/7/78	6			99		
1	10/7/78	7			98		
1	10/7/78	8			94		
1	10/7/78	9			89		
1	10/7/78	10			84		
1	10/7/78	11			78		
1	10/7/78	12			74		
1	1/3/79	1			107		
1	1/3/79	2			105		
1	1/3/79	3			104		
1	1/3/79	4			105		
1	1/3/79	5			104		
1	1/3/79	6			104		
1	1/3/79	7			99		
1	1/3/79	8			94		
1	1/3/79	9			84		
1	1/3/79	10			67		
1	1/3/79	11			57		
1	1/3/79	12			58		
1	4/22/79	1			100		
1	4/22/79	2			99		
1	4/22/79	3			99		
1	4/22/79	4			98		
1	4/22/79	5			98		
1	4/22/79	6			98		
1	4/22/79	7			93		
1	4/22/79	8			84		
1	4/22/79	9			73		
1	4/22/79	10			61		
1	4/22/79	11			57		
1	4/22/79	12			57		
1	4/22/79	13			57		
1	4/22/79	14			57		
1	7/7/79	1			97		
1	7/7/79	2			97		
1	7/7/79	3			96		
1	7/7/79	4			95		
1	7/7/79	5			95		
1	7/7/79	6			95		
1	7/7/79	7			89		
1	7/7/79	8			84		
1	7/7/79	9			75		
1	7/7/79	10			70		
1	7/7/79	11			70		
1	7/7/79	12			71		
1	10/13/89	1	1			N	Could not find a manual reading station of housing.
1	11/3/89	1	1		82	Y	R-1, 1' off bottom of LOW
1	11/10/89	1	2		84.5	Y	In LOW
1	11/11/89	1	1		84.5	Y	K type of LOW on 11-11-89 84.5
1	11/18/89	1	1		85	Y	In LOW Test taken with K
1	11/25/89	1	1		86.1	Y	LOW
1	12/1/89	1	1		84.6	Y	LOW

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-111							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/10/89	1	1		84.6	Y	LOW
1	12/15/89	1	1		84.2	Y	LOW
1	12/23/89	1	1		81	Y	
1	12/29/89	1	1		86.9	Y	LOW-K-890723679-20
1	1/6/90	1	1		84.4	Y	LOW
1	1/13/90	1	1		84.8	Y	K LOW
1	1/27/90	1	1		83.2	Y	LOW - K
1	2/3/90	1	1		83.7	Y	LOW K-890723579-20
1	2/5/90	1	1		84	Y	LOW K-890723679-20
1	2/11/90	1	1			N	Unable to locate thermocouple.
1	3/2/90	1	1		86.7	Y	K-HH-99A-K LOW
1	4/8/90	1	1			N	No data - SSTPE notified
1	5/5/90	1	1			N	Not taken per PM 90-049
1	6/1/90	1	1			N	Not taken per PM 90-051
1	8/5/90	1	1		82.7	Y	LOW
1	8/7/90	1	1			N	LOW to be re-instated after cleanout
1	9/11/90	1	1		82	Y	LOW
1	10/9/90	1	1		81	Y	LOW
1	10/24/90	1	1		84	Y	K-HH-99A-K
1	10/26/90	1	1		82	Y	J-890523512-20
1	10/30/90	1	2		78.8	Y	K 890723679-64 LOW
1	11/5/90	1	1		73.4	Y	J 890523512-20
1	11/14/90	1	1		77	Y	K 890723679-64 LOW
1	11/18/90	1	1		84.3	Y	K 890723697-74 LOW
1	11/25/90	1	1		79.1	Y	K-890723679-64
1	12/10/90	1	1		83.4	Y	K 890723679-64
1	12/11/90	1	2		83.4	Y	K 890723679-64
1	12/15/90	1	2		83.5	Y	K LOW
1	12/22/90	1	2		75	Y	K 890723679-64 LOW
1	12/30/90	1	1		83.8	Y	K 890723679-64 LOW 6 readings on LOW?
1	1/6/91	1	1			N	K LOW Probe not in well - called shift office.
1	1/9/91	1	1		77.1	Y	K 890723679-64 LOW
1	1/13/91	1	1		84.9	Y	K 890723679-64
1	1/19/91	1	1		83.4	Y	K HH99A (Low)
1	1/29/91	1	1		84.2	Y	K HH-99A LOW
1	2/3/91	1	1		83	Y	K Ser#896723679-64 LOW
1	2/9/91	1	1		84.4	Y	K 890723679-64 LOW
1	2/16/91	1	1		85	Y	K-890723679-64 LOW
1	2/23/91	1	1		84.8	Y	K Ser#896723679-64 LOW
1	3/3/91	1	1		83	Y	LOW 890923679-64
1	3/9/91	1	1		84.4	Y	K 890723679-20
1	3/17/91	1	1		84.4	Y	LOW 890923679-64
1	3/23/91	1	1		84.1	Y	LOW 890923679-64
1	3/30/91	1	1		83.7	Y	LOW 890923679-64
1	4/7/91	1	1		86.5	Y	LOW 890623567-12
1	4/14/91	1	1			N	K LOW No readings obtained-LOW full of water
1	4/20/91	1	1		85.8	Y	K 890723633-64 LOW
1	4/28/91	1	1		85.6	Y	LOW 890623567-12
1	5/5/91	1	1		84.4	Y	K 690723633-64 LOW
1	5/12/91	1	1		83.5	Y	K 890723679-20 LOW
1	5/18/91	1	1		84.8	Y	K 890723633-64 LOW
1	5/25/91	1	1		85.7	Y	K 890723633-64 LOW
1	6/2/91	1	1		85.7	Y	K 890623567-12 LOW
1	6/9/91	1	1		85.8	Y	K 890623567-12 LOW
1	6/15/91	1	1		84.4	Y	K 890723633-64 LOW
1	6/23/91	1	1			N	No reading. Work Order written.
1	6/29/91	1	1		81.8	Y	K 890623567-12LOW
1	7/6/91	1	1		84.5	Y	K 890623567-12 LOW
1	7/13/91	1	1		84.2	Y	K 890623567-12 LOW
1	7/20/91	1	1		83.9	Y	K 890623567-12 LOW
1	7/27/91	1	1		92.2	Y	K 890725813
1	8/3/91	1	1		85.4	Y	K 890723679-20 LOW
1	8/10/91	1	1		85	Y	K 890723699-20 LOW
1	8/18/91	1	1		85.5	Y	K 890623567-12 LOW
1	8/24/91	1	1		83.3	Y	K 910226246-56 LOW

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-111							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/31/91	1	1		86.5	Y	K-910226246-45
1	9/8/91	1	1		86.5	Y	K-910226246-45 LOW
1	9/15/91	1	1		84.4	N	K-890623567-12
1	9/22/91	1	1		87.5	Y	K-890723679-64 LOW
1	9/28/91	1	1		92.1	Y	K-890723679-64 Omega LOW
1	10/5/91	1	1		81.4	Y	K-910226246-45 LOW
1	10/12/91	1	1		82.3	Y	K-89623565712
1	10/19/91	1	1		85.1	Y	K-890723633-71 LOW
1	10/27/91	1	1		81.5	Y	K-910226246-45 LOW
1	11/2/91	1	1		81	Y	K
1	11/9/91	1	1		84	Y	K-890723633-71 LOW
1	11/17/91	1	1		85.8	Y	K-890723679-64
1	11/24/91	1	1		84.8	Y	K-890723679-64 LOW
1	12/3/91	1	1		87.3	Y	K-890723679-64 LOW
1	12/6/91	1	1		85.9	Y	J-910126143-29
1	12/14/91	1	1		85.6	Y	K-910226246-68 LOW
1	12/20/91	1	1		85.6	Y	K-910426539-39
1	12/29/91	1	1		83.1	Y	K-910226246-68 LOW
1	1/4/92	1	1			N	TCs not available
1	1/11/92	1	1		80.7	Y	910426539 LOW
1	1/16/92	1	1		85.3	Y	K 910426539-7
1	1/25/92	1	1		86.6	Y	K-910426539
1	1/28/92	1	1			N	ACCESS RESTRICTED 1/28 - 2/22 DUE TO BATTERY FUME INCIDENT
1	2/24/92	1	1		86.2	N	K-910426539-7
1	2/29/92	1	1		86.3	Y	K+I-030/9104265397
1	3/10/92	1	1		85.7	Y	K 910476539-80
1	3/15/92	1	1		86	Y	K 910426539-80 TC # 2-3
1	3/20/92	1	1		85.9	Y	K 91042653980
1	3/29/92	1	1		86.8	Y	K 910226246-34
1	4/3/92	1	1		87.3	Y	J 910126143-14
1	4/11/92	1	1		85.4	Y	K 890723679-80
1	4/17/92	1	1		86	Y	K 890723679 64
1	4/25/92	1	1		88.4	Y	K 91022624634
1	4/30/92	1	1		86.1	Y	K 910426539-7
1	5/8/92	1	1		85.3	Y	K 890723633
1	5/16/92	1	1		85.4	Y	K 890723633-64
1	5/24/92	1	1		86.1	Y	K 890723633-64
1	5/28/92	1	1		84.2	Y	K 890723633-64
1	6/5/92	1	1		87.5	Y	K 890623567-12
1	6/16/92	1	1		84.2	Y	K 890723633-64 6-92
1	6/20/92	1	1		88.2	Y	K 90226246-45
1	6/28/92	1	1		85.6	Y	K TI-024 90226246-45
1	7/3/92	1	1		88.6	Y	
1	7/10/92	1	1		85.2	Y	K 9104265397
1	7/18/92	1	1		89.1	Y	K 890723679-64
1	7/24/92	1	1		87.4	Y	K 890723679-64
1	8/1/92	1	1		88.8	Y	K TI-050
1	8/7/92	1	1		84.6	Y	K 910226246-56
1	8/15/92	1	1		87.2	Y	K 910226246-56
1	8/21/92	1	1		86.1	Y	K 90226240-45
1	8/30/92	1	1		88.4	Y	K 910226246-56
1	9/6/92	1	1		84.3	Y	K
1	9/12/92	1	1			N	K 910226246-34 O/S RETEST REQUESTED
1	9/20/92	1	1		83.1	Y	K 890723679-64
1	9/26/92	1	1		83.9	Y	K 890723679-64
1	10/1/92	1	1		84.4	Y	K 890723679-64
1	10/10/92	1	1		85.2	Y	K 910426539-80
1	10/18/92	1	1		85	Y	K 910226246-34
1	10/24/92	1	1		84.6	Y	K 9101426539-80
1	10/28/92	1	1		84.6	Y	K 91042653980
1	11/1/92	1	1		86	Y	TMACS
1	11/8/92	1	1		86	Y	TMACS
1	11/15/92	1	1		85.8	Y	TMACS
1	11/20/92	1	1		85.4	Y	K 910226246-45

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-111							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/22/92	1	1		86.1	Y	TMACS
1	11/29/92	1	1		86	Y	TMACS
1	12/6/92	1	1		86	Y	TMACS
1	12/13/92	1	1		86	Y	TMACS
1	12/20/92	1	1		85.6	Y	TMACS
1	12/27/92	1	1		85.8	Y	TMACS
1	1/3/93	1	1		85.6	Y	TMACS
1	1/10/93	1	1		86	Y	TMACS
1	1/17/93	1	1		86.1	Y	TMACS
1	1/23/93	1	1		86.2	Y	E 900325164-18
1	1/24/93	1	1		85.4	Y	TMACS
1	1/31/93	1	1		86.18	Y	TMACS
1	2/5/93	1	1		85	Y	K 890723679-64
1	2/8/93	1	1		86.18	Y	TMACS
1	2/15/93	1	1		85.6	Y	TMACS
1	2/21/93	1	1		85.3	Y	K 890723679-84
1	2/21/93	1	2		86	Y	TMACS
1	3/1/93	1	1		86.18	Y	TMACS
1	3/5/93	1	1		85.3	Y	K 910426539-80
1	3/8/93	1	1		86.18	Y	TMACS
1	3/15/93	1	1		86.18	Y	TMACS
1	3/22/93	1	1		85.82	Y	TMACS
1	3/29/93	1	1		86	Y	TMACS
2	3/31/93	1	1		82	Y	NEW TC TREE #2
2	3/31/93	2	1		78	N	
2	3/31/93	3	1		71	N	
2	3/31/93	4	1		64	N	
2	3/31/93	5	1		63	N	
2	3/31/93	6	1		62	N	
1	4/5/93	1	1		86	Y	TMACS
1	4/12/93	1	1		86	Y	TMAC
2	4/16/93	1	1		79.9	Y	NEW TC TREE #2
2	4/16/93	2	1		79	N	
2	4/16/93	3	1		72.9	N	
2	4/16/93	4	1		64.4	N	
2	4/16/93	5	1		62.5	N	
2	4/16/93	6	1		62.1	N	
1	4/19/93	1	1		86	Y	TMACS
2	4/23/93	1	1		82	Y	
2	4/23/93	2	1		81	N	
2	4/23/93	3	1		76	N	
2	4/23/93	4	1		66	N	
2	4/23/93	5	1		65	N	
2	4/23/93	6	1		63	N	
1	4/25/93	1	1		85.46	Y	TMACS
2	4/30/93	1	1		81	Y	E 777-13-20-010
2	4/30/93	2	1		80	N	
2	4/30/93	3	1		75	N	
2	4/30/93	4	1		64	N	
2	4/30/93	5	1		64	N	
2	4/30/93	6	1		63	N	
1	5/3/93	1	1		85.64	Y	TMACS
2	5/7/93	1	1		82	Y	K 777-13-20-010
2	5/7/93	2	1		80	N	
2	5/7/93	3	1		76	N	
2	5/7/93	4	1		64	N	
2	5/7/93	5	1		64	N	
2	5/7/93	6	1		64	N	
1	5/10/93	1	1		86.36	Y	TMACS
2	5/14/93	1	1		78	Y	K817-13-55-006
2	5/14/93	2	1		78	N	
2	5/14/93	3	1		73	N	
2	5/14/93	4	1		61	N	
2	5/14/93	5	1		61	N	
2	5/14/93	6	1		61	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-111							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	5/17/93	1	1		85.64	Y	TMACS
2	5/21/93	1	1		81	Y	K
2	5/21/93	2	1		79	N	
2	5/21/93	3	1		75	N	
2	5/21/93	4	1		67	N	
2	5/21/93	5	1		67	N	
2	5/21/93	6	1		67	N	
1	5/24/93	1	1		86.36	Y	TMACS
2	5/27/93	1	1		81	Y	K 817-13-55-006
2	5/27/93	2	1		79	N	
2	5/27/93	3	1		74	N	
2	5/27/93	4	1		64	N	
2	5/27/93	5	1		63	N	
2	5/27/93	6	1		64	N	
1	5/31/93	1	1		86	Y	TMACS
2	6/4/93	1	1		83	Y	K 817-13-55-006
2	6/4/93	2	1		80	N	
2	6/4/93	3	1		76	N	
2	6/4/93	4	1		65	N	
2	6/4/93	5	1		65	N	
2	6/4/93	6	1		65	N	
1	6/7/93	1	1		85.64	Y	TMACS
1	6/14/93	1	1		85.64	Y	
2	6/14/93	1	1		81.4	Y	K 817-13-55-001
2	6/14/93	2	1		79.6	N	
2	6/14/93	3	1		75.1	N	
2	6/14/93	4	1		66.6	N	
2	6/14/93	5	1		64.9	N	
2	6/14/93	6	1		65.6	N	
2	6/18/93	1	2		81	Y	K 777-13-20-10
2	6/18/93	2	2		78	N	
2	6/18/93	3	2		74	N	
2	6/18/93	4	2		65	N	
2	6/18/93	5	2		65	N	
2	6/18/93	6	2		66	N	
1	6/21/93	1	1		85.64	Y	TMACS
1	6/27/93	1	1		87.08	Y	TMACS. REQ. MAN. RDGS.
1	7/3/93	1	1		85.9	Y	K TI-024
2	7/3/93	1	1		81.7	Y	K TI-024
2	7/3/93	2	1		79.9	N	
2	7/3/93	3	1		76.2	N	
2	7/3/93	4	1		67.7	N	
2	7/3/93	5	1		67.8	N	
2	7/3/93	6	1		67.9	N	
1	7/5/93	1	1		88.16	Y	TMACS
1	7/12/93	1	1		87.44	Y	TMACS
2	7/12/93	1	1		84.02	Y	TMACS
2	7/12/93	2	1		81.5	N	
2	7/12/93	3	1		78.08	N	
2	7/12/93	4	1		69.98	N	
2	7/12/93	5	1		70.52	N	
2	7/12/93	6	1		70.7	N	
1	7/19/93	1	1		88.16	Y	TMACS
2	7/19/93	1	1		83.66	Y	TMACS
2	7/19/93	2	1		81.32	N	
2	7/19/93	3	1		77.9	N	
2	7/19/93	4	1		70.34	N	
2	7/19/93	5	1		70.88	N	
2	7/19/93	6	1		71.42	N	
1	7/26/93	1	1		87.44	Y	TMACS
2	7/26/93	1	1		83.12	Y	TMACS
2	7/26/93	2	1		80.96	N	
2	7/26/93	3	1		77.72	N	
2	7/26/93	4	1		70.34	N	
2	7/26/93	5	1		71.06	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-111							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
2	7/26/93	6	1		71.42	N	
1	8/2/93	1	1		87.62	Y	TMACS
2	8/2/93	1	1		83.48	Y	TMACS
2	8/2/93	2	1		81.14	N	
2	8/2/93	3	1		78.08	N	
2	8/2/93	4	1		70.7	N	
2	8/2/93	5	1		71.6	N	
2	8/2/93	6	1		72.14	N	
1	8/9/93	1	1		87.8	Y	TMACS
2	8/9/93	1	1		83.48	Y	TMACS
2	8/9/93	2	1		81.68	N	
2	8/9/93	3	1		78.8	N	
2	8/9/93	4	1		71.96	N	
2	8/9/93	5	1		72.5	N	
2	8/9/93	6	1		73.04	N	
1	8/15/93	1	1		87.44	Y	tmacs
2	8/15/93	1	1		83.84	Y	tmacs
2	8/15/93	2	1		81.86	N	
2	8/15/93	3	1		78.98	N	
2	8/15/93	4	1		72.32	N	
2	8/15/93	5	1		72.86	N	
2	8/15/93	6	1		73.22	N	
1	8/23/93	1	1		87.44	Y	TMACS
2	8/23/93	1	1		83.12	Y	TMACS
2	8/23/93	2	1		81.5	N	
2	8/23/93	3	1		78.26	N	
2	8/23/93	4	1		71.96	N	
2	8/23/93	5	1		72.68	N	
2	8/23/93	6	1		73.22	N	
1	8/26/93	1	1		86.01	Y	K TYPE
2	8/26/93	1	1		83.3	Y	K TYPE
2	8/26/93	2	1		81.1	N	
2	8/26/93	3	1		78.6	N	
2	8/26/93	4	1		72.1	N	
2	8/26/93	5	1		72.7	N	
2	8/26/93	6	1		73.2	N	
2	8/28/93	1	1		83.8	N	K 89072363371
2	8/28/93	2	1		79.1	N	
2	8/28/93	3	1		84.7	Y	
2	8/28/93	4	1		84.6	N	
2	8/28/93	5	1		83	N	
2	8/28/93	6	1		79.5	N	
1	8/30/93	1	1		87.62	Y	TMACS
2	8/30/93	1	1		83.84	Y	TMACS
2	8/30/93	2	1		81.68	N	
2	8/30/93	3	1		79.16	N	
2	8/30/93	4	1		73.04	N	
2	8/30/93	5	1		73.58	N	
2	8/30/93	6	1		73.94	N	
1	9/6/93	1	1		87.26	Y	TMACS
2	9/6/93	1	1		83.48	Y	TMACS
2	9/6/93	2	1		81.14	N	
2	9/6/93	3	1		78.8	N	
2	9/6/93	4	1		73.04	N	
2	9/6/93	5	1		73.4	N	
2	9/6/93	6	1		74.3	N	
1	9/12/93	1	1		87.26	Y	TMACS
2	9/12/93	1	1		83.84	Y	TMACS
2	9/12/93	2	1		82.04	N	
2	9/12/93	3	1		79.34	N	
2	9/12/93	4	1		73.94	N	
2	9/12/93	5	1		74.66	N	
2	9/12/93	6	1		74.84	N	
1	9/19/93	1	1		87.62	Y	TMACS
2	9/19/93	1	1		83.48	Y	TMACS

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-111 THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
2	9/19/93	2	1		81.68	N	
2	9/19/93	3	1		79.34	N	
2	9/19/93	4	1		73.76	N	
2	9/19/93	5	1		74.48	N	
2	9/19/93	6	1		74.66	N	
1	9/26/93	1	1		87.26	Y	TMACS
2	9/26/93	1	1		83.84	Y	TMACS
2	9/26/93	2	1		81.68	N	
2	9/26/93	3	1		79.52	N	
2	9/26/93	4	1		74.12	N	
2	9/26/93	5	1		74.84	N	
2	9/26/93	6	1		75.38	N	
1	10/3/93	1	1		87.62	Y	TMACS
2	10/3/93	1	1		83.84	Y	TMACS
2	10/3/93	2	1		82.04	N	
2	10/3/93	3	1		79.7	N	
2	10/3/93	4	1		74.66	N	
2	10/3/93	5	1		75.2	N	
2	10/3/93	6	1		75.74	N	
1	10/10/93	1	1		87.8	Y	TMACS
2	10/10/93	1	1		84.02	Y	TMACS
2	10/10/93	2	1		82.4	N	
2	10/10/93	3	1		80.24	N	
2	10/10/93	4	1		74.84	N	
2	10/10/93	5	1		75.38	N	
2	10/10/93	6	1		76.1	N	
1	10/13/93	1	1		84.7	Y	K 910226246-45
2	10/13/93	1	1		80.8	Y	K 910226246-45
2	10/13/93	2	1		79.5	N	
2	10/13/93	3	1		76.8	N	
2	10/13/93	4	1		71.5	N	
2	10/13/93	5	1		71.4	N	
2	10/13/93	6	1		71.5	N	
1	10/19/93	1	1		87.4	Y	TMACS
2	10/19/93	1	1		83.7	Y	TMACS
2	10/19/93	2	1		81.7	N	
2	10/19/93	3	1		79.9	N	
2	10/19/93	4	1		74.7	N	
2	10/19/93	5	1		75.2	N	
2	10/19/93	6	1		75.7	N	
2	10/25/93	1	1		83.3	Y	TMACS
2	10/25/93	2	1		81.68	N	
2	10/25/93	3	1		79.7	N	
2	10/25/93	4	1		74.48	N	
2	10/25/93	5	1		75.2	N	
2	10/25/93	6	1		75.74	N	
1	10/26/93	1	1		84.5	Y	K 910226246-45 RETAKE FOR 10/24
2	10/26/93	1	1		80.6	Y	K 910226246-45
2	10/26/93	2	1		79.2	N	
2	10/26/93	3	1		76.7	N	
2	10/26/93	4	1		71.4	N	
2	10/26/93	5	1		71.2	N	
2	10/26/93	6	1		71.3	N	
1	11/1/93	1	1		87.26	Y	TMACS
2	11/1/93	1	1		83.84	Y	TMACS
2	11/1/93	2	1		81.86	N	
2	11/1/93	3	1		79.88	N	
2	11/1/93	4	1		74.66	N	
2	11/1/93	5	1		75.38	N	
2	11/1/93	6	1		75.74	N	
1	11/8/93	1	1		87.26	Y	TMACS
2	11/8/93	1	1		83.84	Y	TMACS
2	11/8/93	2	1		82.22	N	
2	11/8/93	3	1		79.7	N	
2	11/8/93	4	1		74.66	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-111							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
2	11/8/93	5	1		75.2	N	
2	11/8/93	6	1		75.56	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-112							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/12/73	1		67	152.6		raw data - assumed degree C
1	11/12/73	2		66	150.8		raw data - assumed degree C
1	11/12/73	3		86	186.8		raw data - assumed degree C
1	11/12/73	4		82	179.6		raw data - assumed degree C
1	11/12/73	5		84	183.2		raw data - assumed degree C
1	11/12/73	6		62	143.6		raw data - assumed degree C
1	11/12/73	7		71	159.8		raw data - assumed degree C
1	11/12/73	8		87	188.6		raw data - assumed degree C
1	11/12/73	9		91	195.8		raw data - assumed degree C
1	11/12/73	10		84	183.2		raw data - assumed degree C
1	11/12/73	11		98	208.4		raw data - assumed degree C
1	11/12/73	12		86	186.8		raw data - assumed degree C
1	11/21/73	1		104	219.2		raw data - assumed degree C
1	11/21/73	2		107	224.6		raw data - assumed degree C
1	11/21/73	3		110	230		raw data - assumed degree C
1	11/21/73	4		110	230		raw data - assumed degree C
1	11/21/73	5		111	231.8		raw data - assumed degree C
1	11/21/73	6		113	235.4		raw data - assumed degree C
1	11/21/73	7		113	235.4		raw data - assumed degree C
1	11/21/73	8		113	235.4		raw data - assumed degree C
1	11/21/73	9		113	235.4		raw data - assumed degree C
1	11/21/73	10		113	235.4		raw data - assumed degree C
1	11/21/73	11		113	235.4		raw data - assumed degree C
1	11/21/73	12		103	217.4		raw data - assumed degree C
1	12/10/73	1		104	219.2		raw data - assumed degree C
1	12/10/73	2		106	222.8		raw data - assumed degree C
1	12/10/73	3		108	226.4		raw data - assumed degree C
1	12/10/73	4		111	231.8		raw data - assumed degree C
1	12/10/73	5		113	235.4		raw data - assumed degree C
1	12/10/73	6		115	239		raw data - assumed degree C
1	12/10/73	7		116	240.8		raw data - assumed degree C
1	12/10/73	8		116	240.8		raw data - assumed degree C
1	12/10/73	9		116	240.8		raw data - assumed degree C
1	12/10/73	10		116	240.8		raw data - assumed degree C
1	12/10/73	11		115	239		raw data - assumed degree C
1	12/10/73	12		103	217.4		raw data - assumed degree C
1	12/17/73	1		101	213.8		raw data - assumed degree C
1	12/17/73	2		105	221		raw data - assumed degree C
1	12/17/73	3		108	226.4		raw data - assumed degree C
1	12/17/73	4		110	230		raw data - assumed degree C
1	12/17/73	5		112	233.6		raw data - assumed degree C
1	12/17/73	6		113	235.4		raw data - assumed degree C
1	12/17/73	7		113	235.4		raw data - assumed degree C
1	12/17/73	8		113	235.4		raw data - assumed degree C
1	12/17/73	9		113	235.4		raw data - assumed degree C
1	12/17/73	10		113	235.4		raw data - assumed degree C
1	12/17/73	11		112	233.6		raw data - assumed degree C
1	12/17/73	12		102	215.6		raw data - assumed degree C
1	12/20/73	1		101	213.8		raw data - assumed degree C
1	12/20/73	2		105	221		raw data - assumed degree C
1	12/20/73	3		108	226.4		raw data - assumed degree C
1	12/20/73	4		110	230		raw data - assumed degree C
1	12/20/73	5		111	231.8		raw data - assumed degree C
1	12/20/73	6		113	235.4		raw data - assumed degree C
1	12/20/73	7		113	235.4		raw data - assumed degree C
1	12/20/73	8		113	235.4		raw data - assumed degree C
1	12/20/73	9		113	235.4		raw data - assumed degree C
1	12/20/73	10		113	235.4		raw data - assumed degree C
1	12/20/73	11		113	235.4		raw data - assumed degree C
1	12/20/73	12		102	215.6		raw data - assumed degree C
1	12/20/73	15		110	230		raw data - assumed degree C
1	1/4/74	1		100	212		raw data - assumed degree C
1	1/4/74	2		104	219.2		raw data - assumed degree C
1	1/4/74	3		108	226.4		raw data - assumed degree C
1	1/4/74	4		110	230		raw data - assumed degree C

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-112							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/4/74	5		111	231.8		raw data - assumed degree C
1	1/4/74	6		113	235.4		raw data - assumed degree C
1	1/4/74	7		113	235.4		raw data - assumed degree C
1	1/4/74	8		113	235.4		raw data - assumed degree C
1	1/4/74	9		113	235.4		raw data - assumed degree C
1	1/4/74	10		113	235.4		raw data - assumed degree C
1	1/4/74	11		112	233.6		raw data - assumed degree C
1	1/4/74	12		103	217.4		raw data - assumed degree C
1	8/5/74	1		68	154.40		raw data - assumed degree C
1	8/5/74	2		71	159.80		raw data - assumed degree C
1	8/5/74	3		73	163.40		raw data - assumed degree C
1	8/5/74	4		71	159.80		raw data - assumed degree C
1	8/5/74	5		67	152.60		raw data - assumed degree C
1	8/5/74	6		62	143.60		raw data - assumed degree C
1	8/5/74	7		61	141.80		raw data - assumed degree C
1	8/5/74	8		60	140.00		raw data - assumed degree C
1	8/5/74	9		60	140.00		raw data - assumed degree C
1	8/5/74	10		60	140.00		raw data - assumed degree C
1	8/5/74	11		60	140.00		raw data - assumed degree C
1	8/5/74	12		57	134.60		raw data - assumed degree C
1	8/15/74	1		68	154.40		raw data - assumed degree C
1	8/15/74	2		69.5	157.10		raw data - assumed degree C
1	8/15/74	3		71.5	160.70		raw data - assumed degree C
1	8/15/74	4		70	158.00		raw data - assumed degree C
1	8/15/74	5		66	150.80		raw data - assumed degree C
1	8/15/74	6		62	143.60		raw data - assumed degree C
1	8/15/74	7		61	141.80		raw data - assumed degree C
1	8/15/74	8		60	140.00		raw data - assumed degree C
1	8/15/74	9		59	138.20		raw data - assumed degree C
1	8/15/74	10		53.5	128.30		raw data - assumed degree C
1	8/15/74	11		49	120.20		raw data - assumed degree C
1	8/15/74	12		48.5	119.30		raw data - assumed degree C
1	9/12/74	1		70.5	158.90		raw data - assumed degree C
1	9/12/74	2		71	159.80		raw data - assumed degree C
1	9/12/74	3		71	159.80		raw data - assumed degree C
1	9/12/74	4		69.5	157.10		raw data - assumed degree C
1	9/12/74	5		66.5	151.70		raw data - assumed degree C
1	9/12/74	6		62.5	144.50		raw data - assumed degree C
1	9/12/74	7		58	136.40		raw data - assumed degree C
1	9/12/74	8		57	134.60		raw data - assumed degree C
1	9/12/74	9		56	132.80		raw data - assumed degree C
1	9/12/74	10		54	129.20		raw data - assumed degree C
1	9/12/74	11		50	122.00		raw data - assumed degree C
1	9/12/74	12		46	114.80		raw data - assumed degree C
1	10/8/74	1		70	158.00		raw data - assumed degree C
1	10/8/74	2		71	159.80		raw data - assumed degree C
1	10/8/74	3		70	158.00		raw data - assumed degree C
1	10/8/74	4		68	154.40		raw data - assumed degree C
1	10/8/74	5		63.5	146.30		raw data - assumed degree C
1	10/8/74	6		58	136.40		raw data - assumed degree C
1	10/8/74	7		54	129.20		raw data - assumed degree C
1	10/8/74	8		53.5	128.30		raw data - assumed degree C
1	10/8/74	9		53	127.40		raw data - assumed degree C
1	10/8/74	10		53	127.40		raw data - assumed degree C
1	10/8/74	11		52.5	126.50		raw data - assumed degree C
1	10/8/74	12		49	120.20		raw data - assumed degree C
1	11/12/74	1		70	158.00		raw data - assumed degree C
1	11/12/74	2		69	156.20		raw data - assumed degree C
1	11/12/74	3		66	150.80		raw data - assumed degree C
1	11/12/74	4		61	141.80		raw data - assumed degree C
1	11/12/74	5		56	132.80		raw data - assumed degree C
1	11/12/74	6		52	125.60		raw data - assumed degree C
1	11/12/74	7		51	123.80		raw data - assumed degree C
1	11/12/74	8		50	122.00		raw data - assumed degree C
1	11/12/74	9		49	120.20		raw data - assumed degree C

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-112							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	11/12/74	10		49	120.20		raw data - assumed degree C
1	11/12/74	11		43	109.40		raw data - assumed degree C
1	11/12/74	12		28	82.40		raw data - assumed degree C
1	11/26/74	1		68	154.40		raw data - assumed degree C
1	11/26/74	2		67	152.60		raw data - assumed degree C
1	11/26/74	3		64	147.20		raw data - assumed degree C
1	11/26/74	4		59	138.20		raw data - assumed degree C
1	11/26/74	5		54	129.20		raw data - assumed degree C
1	11/26/74	6		49	120.20		raw data - assumed degree C
1	11/26/74	7		48	118.40		raw data - assumed degree C
1	11/26/74	8		48	118.40		raw data - assumed degree C
1	11/26/74	9		48	118.40		raw data - assumed degree C
1	11/26/74	10		48	118.40		raw data - assumed degree C
1	11/26/74	11		44	111.20		raw data - assumed degree C
1	11/26/74	12		27	80.60		raw data - assumed degree C
1	12/11/74	1		68	154.40		raw data - assumed degree C
1	12/11/74	2		67	152.60		raw data - assumed degree C
1	12/11/74	3		64	147.20		raw data - assumed degree C
1	12/11/74	4		57	134.60		raw data - assumed degree C
1	12/11/74	5		52	125.60		raw data - assumed degree C
1	12/11/74	6		48	118.40		raw data - assumed degree C
1	12/11/74	7		47	116.60		raw data - assumed degree C
1	12/11/74	8		48	118.40		raw data - assumed degree C
1	12/11/74	9		48	118.40		raw data - assumed degree C
1	12/11/74	10		47	116.60		raw data - assumed degree C
1	12/11/74	11		43	109.40		raw data - assumed degree C
1	12/11/74	12		28	82.40		raw data - assumed degree C
1	12/11/74	13		29	84.20		raw data - assumed degree C
1	12/11/74	14		30	86.00		raw data - assumed degree C
1	12/11/74	15		28	82.40		raw data - assumed degree C
1	12/11/74	16		26	78.80		raw data - assumed degree C
1	12/17/74	1		68	154.40		raw data - assumed degree C
1	12/17/74	2		67	152.60		raw data - assumed degree C
1	12/17/74	3		63	145.40		raw data - assumed degree C
1	12/17/74	4		54	129.20		raw data - assumed degree C
1	12/17/74	5		52	125.60		raw data - assumed degree C
1	12/17/74	6		48	118.40		raw data - assumed degree C
1	12/17/74	7		47	116.60		raw data - assumed degree C
1	12/17/74	8		47	116.60		raw data - assumed degree C
1	12/17/74	9		47	116.60		raw data - assumed degree C
1	12/17/74	10		47	116.60		raw data - assumed degree C
1	12/17/74	11		41	105.80		raw data - assumed degree C
1	12/17/74	12		28	82.40		raw data - assumed degree C
1	12/31/74	1		67	152.60		raw data - assumed degree C
1	12/31/74	2		66	150.80		raw data - assumed degree C
1	12/31/74	3		62	143.60		raw data - assumed degree C
1	12/31/74	4		56	132.80		raw data - assumed degree C
1	12/31/74	5		51	123.80		raw data - assumed degree C
1	12/31/74	6		47	116.60		raw data - assumed degree C
1	12/31/74	7		47	116.60		raw data - assumed degree C
1	12/31/74	8		46	114.80		raw data - assumed degree C
1	12/31/74	9		47	116.60		raw data - assumed degree C
1	12/31/74	10		46	114.80		raw data - assumed degree C
1	12/31/74	11		39	102.20		raw data - assumed degree C
1	12/31/74	12		28	82.40		raw data - assumed degree C
1	1/8/75	1		66	150.80		raw data - assumed degree C
1	1/8/75	2		65	149.00		raw data - assumed degree C
1	1/8/75	3		62	143.60		raw data - assumed degree C
1	1/8/75	4		55	131.00		raw data - assumed degree C
1	1/8/75	5		50	122.00		raw data - assumed degree C
1	1/8/75	6		46	114.80		raw data - assumed degree C
1	1/8/75	7		43	109.40		raw data - assumed degree C
1	1/8/75	8		46	114.80		raw data - assumed degree C
1	1/8/75	9		45	113.00		raw data - assumed degree C
1	1/8/75	10		45	113.00		raw data - assumed degree C

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-112							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/8/75	11		40	104.00		raw data - assumed degree C
1	1/8/75	12		28	82.40		raw data - assumed degree C
1	1/21/75	1		65	149.00		raw data - assumed degree C
1	1/21/75	2		64	147.20		raw data - assumed degree C
1	1/21/75	3		60	140.00		raw data - assumed degree C
1	1/21/75	4		54	129.20		raw data - assumed degree C
1	1/21/75	5		48	118.40		raw data - assumed degree C
1	1/21/75	6		45	113.00		raw data - assumed degree C
1	1/21/75	7		44	111.20		raw data - assumed degree C
1	1/21/75	8		44	111.20		raw data - assumed degree C
1	1/21/75	9		45	113.00		raw data - assumed degree C
1	1/21/75	10		44	111.20		raw data - assumed degree C
1	1/21/75	11		39	102.20		raw data - assumed degree C
1	1/21/75	12		27	80.60		raw data - assumed degree C
1	1/21/75	13		28	82.40		raw data - assumed degree C
1	1/21/75	14		29	84.20		raw data - assumed degree C
1	1/28/75	1		54	129.20		raw data - assumed degree C
1	1/28/75	2		56	132.80		raw data - assumed degree C
1	1/28/75	3		54	129.20		raw data - assumed degree C
1	1/28/75	4		51	123.80		raw data - assumed degree C
1	1/28/75	5		44	111.20		raw data - assumed degree C
1	1/28/75	6		43	109.40		raw data - assumed degree C
1	1/28/75	7		44	111.20		raw data - assumed degree C
1	1/28/75	8		44	111.20		raw data - assumed degree C
1	1/28/75	9		45	113.00		raw data - assumed degree C
1	1/28/75	10		44	111.20		raw data - assumed degree C
1	1/28/75	11		38	100.40		raw data - assumed degree C
1	1/28/75	12		38	100.40		raw data - assumed degree C
1	2/12/75	1		64	147.20		raw data - assumed degree C
1	2/12/75	2		64	147.20		raw data - assumed degree C
1	2/12/75	3		54	129.20		raw data - assumed degree C
1	2/12/75	4		54	129.20		raw data - assumed degree C
1	2/12/75	5		46	114.80		raw data - assumed degree C
1	2/12/75	6		48	118.40		raw data - assumed degree C
1	2/12/75	7		45	113.00		raw data - assumed degree C
1	2/12/75	8		46	114.80		raw data - assumed degree C
1	2/12/75	9		46	114.80		raw data - assumed degree C
1	2/12/75	10		44	111.20		raw data - assumed degree C
1	2/12/75	11		38	100.40		raw data - assumed degree C
1	2/12/75	12		27	80.60		raw data - assumed degree C
1	2/27/75	1		62	143.60		raw data - assumed degree C
1	2/27/75	2		61	141.80		raw data - assumed degree C
1	2/27/75	3		57	134.60		raw data - assumed degree C
1	2/27/75	4		51	123.80		raw data - assumed degree C
1	2/27/75	5		45	113.00		raw data - assumed degree C
1	2/27/75	6		42	107.60		raw data - assumed degree C
1	2/27/75	7		42	107.60		raw data - assumed degree C
1	2/27/75	8		42	107.60		raw data - assumed degree C
1	2/27/75	9		42	107.60		raw data - assumed degree C
1	2/27/75	10		41.5	106.70		raw data - assumed degree C
1	2/27/75	11		37	98.60		raw data - assumed degree C
1	2/27/75	12		27	80.60		raw data - assumed degree C
1	3/18/75	1		61	141.80		raw data - assumed degree C
1	3/18/75	2		61	141.80		raw data - assumed degree C
1	3/18/75	3		56	132.80		raw data - assumed degree C
1	3/18/75	4		50	122.00		raw data - assumed degree C
1	3/18/75	5		45	113.00		raw data - assumed degree C
1	3/18/75	6		42	107.60		raw data - assumed degree C
1	3/18/75	7		41	105.80		raw data - assumed degree C
1	3/18/75	8		41	105.80		raw data - assumed degree C
1	3/18/75	9		42	107.60		raw data - assumed degree C
1	3/18/75	10		41	105.80		raw data - assumed degree C
1	3/18/75	11		38	100.40		raw data - assumed degree C
1	3/18/75	12		28	82.40		raw data - assumed degree C
1	3/18/75	13		28	82.40		raw data - assumed degree C

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-112 THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	3/18/75	14		28	82.40		raw data - assumed degree C
1	4/8/75	1		63	145.40		raw data - assumed degree C
1	4/8/75	2		60	140.00		raw data - assumed degree C
1	4/8/75	3		56	132.80		raw data - assumed degree C
1	4/8/75	4		50	122.00		raw data - assumed degree C
1	4/8/75	5		44	111.20		raw data - assumed degree C
1	4/8/75	6		41	105.80		raw data - assumed degree C
1	4/8/75	7		41	105.80		raw data - assumed degree C
1	4/8/75	8		41	105.80		raw data - assumed degree C
1	4/8/75	9		41	105.80		raw data - assumed degree C
1	4/8/75	10		40	104.00		raw data - assumed degree C
1	4/8/75	11		37	98.60		raw data - assumed degree C
1	4/8/75	12		27	80.60		raw data - assumed degree C
1	4/29/75	1		41	105.80		raw data - assumed degree C
1	4/29/75	2		41	105.80		raw data - assumed degree C
1	4/29/75	3		41	105.80		raw data - assumed degree C
1	4/29/75	4		40	104.00		raw data - assumed degree C
1	4/29/75	5		37	98.60		raw data - assumed degree C
1	4/29/75	6		27	80.60		raw data - assumed degree C
1	4/29/75	7		28	82.40		raw data - assumed degree C
1	4/29/75	8		29	84.20		raw data - assumed degree C
1	4/29/75	9		24	75.20		raw data - assumed degree C
1	4/29/75	10		21	69.80		raw data - assumed degree C
1	4/29/75	11		19	66.20		raw data - assumed degree C
1	4/29/75	12		19	66.20		raw data - assumed degree C
1	5/1/75	1		42	107.60		raw data - assumed degree C
1	5/1/75	2		42	107.60		raw data - assumed degree C
1	5/1/75	3		41	105.80		raw data - assumed degree C
1	5/1/75	4		41	105.80		raw data - assumed degree C
1	5/1/75	5		38	100.40		raw data - assumed degree C
1	5/1/75	6		28	82.40		raw data - assumed degree C
1	5/1/75	7		29	84.20		raw data - assumed degree C
1	5/1/75	8		28	82.40		raw data - assumed degree C
1	5/1/75	9		25	77.00		raw data - assumed degree C
1	5/1/75	10		24	75.20		raw data - assumed degree C
1	5/1/75	11		20	68.00		raw data - assumed degree C
1	5/1/75	12		20	68.00		raw data - assumed degree C
1	5/20/75	1		41	105.80		raw data - assumed degree C
1	5/20/75	2		41	105.80		raw data - assumed degree C
1	5/20/75	3		40.5	104.90		raw data - assumed degree C
1	5/20/75	4		38	100.40		raw data - assumed degree C
1	5/20/75	5		27	80.60		raw data - assumed degree C
1	5/20/75	6		28	82.40		raw data - assumed degree C
1	5/20/75	7		28	82.40		raw data - assumed degree C
1	5/20/75	8		24	75.20		raw data - assumed degree C
1	5/20/75	9		21	69.80		raw data - assumed degree C
1	5/20/75	10		20	68.00		raw data - assumed degree C
1	5/20/75	11		20	68.00		raw data - assumed degree C
1	5/20/75	12		19.5	67.10		raw data - assumed degree C
1	7/28/75	1			149		
1	7/28/75	2			148		
1	7/28/75	3			146		
1	7/28/75	4			141		
1	7/28/75	5			134		
1	7/28/75	6			117		
1	7/28/75	7			121		
1	7/28/75	8			119		
1	7/28/75	9			117		
1	7/28/75	10			111		
1	7/28/75	11			106		
1	7/28/75	12			104		
1	8/20/75	1					20 - suspect data (low)
1	8/20/75	2		57	134.60		raw data - assumed degree C
1	8/20/75	3		54	129.20		raw data - assumed degree C
1	8/20/75	4		50	122.00		raw data - assumed degree C

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-112							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/20/75	5		47	116.60		raw data - assumed degree C
1	8/20/75	6		46	114.80		raw data - assumed degree C
1	8/20/75	7		46	114.80		raw data - assumed degree C
1	8/20/75	8		42	107.60		raw data - assumed degree C
1	8/20/75	9		40	104.00		raw data - assumed degree C
1	8/20/75	10		39	102.20		raw data - assumed degree C
1	8/20/75	11		38	100.40		raw data - assumed degree C
1	8/20/75	12		29	84.20		raw data - assumed degree C
1	11/22/75	1					162 - suspect data (high)
1	11/22/75	2					163 - suspect data (high)
1	11/22/75	3					162 - suspect data (high)
1	11/22/75	4					159 - suspect data (high)
1	11/22/75	5					153 - suspect data (high)
1	11/22/75	6					146 - suspect data (high)
1	11/22/75	7					139 - suspect data (high)
1	11/22/75	8					136 - suspect data (high)
1	11/22/75	9					135 - suspect data (high)
1	11/22/75	10					128 - suspect data (high)
1	11/22/75	11			124		
1	11/22/75	12			120		
1	11/22/75	13			118		
1	11/22/75	14			118		
1	3/4/76	1		28	82.40		raw data - assumed degree C
1	3/4/76	2		24	75.20		raw data - assumed degree C
1	3/4/76	3		20	68.00		raw data - assumed degree C
1	3/4/76	4		18	64.40		raw data - assumed degree C
1	3/4/76	5		18	64.40		raw data - assumed degree C
1	3/4/76	6		18	64.40		raw data - assumed degree C
1	3/4/76	7		24	75.20		raw data - assumed degree C
1	3/4/76	8		24	75.20		raw data - assumed degree C
1	3/4/76	9		22	71.60		raw data - assumed degree C
1	3/4/76	10		20	68.00		raw data - assumed degree C
1	3/4/76	11		51	123.80		raw data - assumed degree C
1	3/4/76	12		52	125.60		raw data - assumed degree C
1	5/7/76	1					20 - suspect data (low)
1	5/7/76	2		36	96.80		raw data - assumed degree C
1	5/7/76	3		24	75.20		raw data - assumed degree C
1	5/7/76	4		20	68.00		raw data - assumed degree C
1	5/7/76	5		22	71.60		raw data - assumed degree C
1	5/7/76	6		50	122.00		raw data - assumed degree C
1	5/7/76	7		49	120.20		raw data - assumed degree C
1	5/7/76	8		55	131.00		raw data - assumed degree C
1	5/7/76	9		48	118.40		raw data - assumed degree C
1	5/7/76	10		42	107.60		raw data - assumed degree C
1	5/7/76	11		34	93.20		raw data - assumed degree C
1	5/7/76	12		32	89.60		raw data - assumed degree C
1	6/9/76	1		28	82.40		raw data - assumed degree C
1	6/9/76	2		24	75.20		raw data - assumed degree C
1	6/9/76	3		24	75.20		raw data - assumed degree C
1	6/9/76	4		56	132.80		raw data - assumed degree C
1	6/9/76	5		56	132.80		raw data - assumed degree C
1	6/9/76	6		53	127.40		raw data - assumed degree C
1	6/9/76	7		44	111.20		raw data - assumed degree C
1	6/9/76	8		42	107.60		raw data - assumed degree C
1	6/9/76	9		37	98.60		raw data - assumed degree C
1	6/9/76	10		34	93.20		raw data - assumed degree C
1	6/9/76	11		34	93.20		raw data - assumed degree C
1	6/9/76	12		33	91.40		raw data - assumed degree C
1	7/7/76	1			126		
1	7/7/76	2			126		
1	7/7/76	3			122		
1	7/7/76	4			114		
1	7/7/76	5			104		
1	7/7/76	6			91		
1	7/7/76	7			89		

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-112							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	7/7/76	8			89		
1	7/7/76	9			89		
1	7/7/76	10			89		
1	7/7/76	11			89		
1	7/7/76	12			89		
1	8/14/76	1			122		
1	8/14/76	2			121		
1	8/14/76	3			118		
1	8/14/76	4			111		
1	8/14/76	5			102		
1	8/14/76	6			91		
1	8/14/76	7			89		
1	8/14/76	8			88		
1	8/14/76	9			89		
1	8/14/76	10			89		
1	8/14/76	11			89		
1	8/14/76	12			88		
1	8/26/76	1			95		
1	8/26/76	2			95		
1	8/26/76	3			95		
1	8/26/76	4			95		
1	8/26/76	5			95		
1	8/26/76	6			81		
1	8/26/76	7			81		
1	8/26/76	8			80		
1	8/26/76	9			75		
1	8/26/76	10			75		
1	8/26/76	11			75		
1	8/26/76	12			75		
1	9/13/76	1		34	93.20		raw data - assumed degree C
1	9/13/76	2		34	93.20		raw data - assumed degree C
1	9/13/76	3		34	93.20		raw data - assumed degree C
1	9/13/76	4		34	93.20		raw data - assumed degree C
1	9/13/76	5		34	93.20		raw data - assumed degree C
1	9/13/76	6		27	80.60		raw data - assumed degree C
1	9/13/76	7		27	80.60		raw data - assumed degree C
1	9/13/76	8		27	80.60		raw data - assumed degree C
1	9/13/76	9		25	77.00		raw data - assumed degree C
1	9/13/76	10		24	75.20		raw data - assumed degree C
1	9/13/76	11		24	75.20		raw data - assumed degree C
1	9/13/76	12		24	75.20		raw data - assumed degree C
1	11/7/76	1		32	89.60		raw data - assumed degree C
1	11/7/76	2		32	89.60		raw data - assumed degree C
1	11/7/76	3		32	89.60		raw data - assumed degree C
1	11/7/76	4		33	91.40		raw data - assumed degree C
1	11/7/76	5		32	89.60		raw data - assumed degree C
1	11/7/76	6		26	78.80		raw data - assumed degree C
1	11/7/76	7		26	78.80		raw data - assumed degree C
1	11/7/76	8		27	80.60		raw data - assumed degree C
1	11/7/76	9		24	75.20		raw data - assumed degree C
1	11/7/76	10		24	75.20		raw data - assumed degree C
1	11/7/76	11		23	73.40		raw data - assumed degree C
1	11/7/76	12		23	73.40		raw data - assumed degree C
1	12/9/76	2			144		
1	12/9/76	3			144		
1	12/9/76	4			141		
1	12/9/76	5			133		
1	12/9/76	6			123		
1	12/9/76	7			110		
1	12/9/76	8			107		
1	12/9/76	9			107		
1	12/9/76	10			106		
1	12/9/76	11			106		
1	12/9/76	12			106		
1	1/3/77	1			106		

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-112							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	1/3/77	2			137		
1	1/3/77	3			136		
1	1/3/77	4			133		
1	1/3/77	5			125		
1	1/3/77	6			114		
1	1/3/77	7			100		
1	1/3/77	8			97		
1	1/3/77	9			97		
1	1/3/77	10			96		
1	1/3/77	11			96		
1	1/3/77	12			96		
1	1/3/77	13			95		
1	1/3/77	14			95		
1	2/26/77	1			129		
1	2/26/77	2			128		
1	2/26/77	3			124		
1	2/26/77	4			116		
1	2/26/77	5			105		
1	2/26/77	6			90		
1	2/26/77	7			88		
1	2/26/77	8			87		
1	2/26/77	9			87		
1	2/26/77	10			87		
1	2/26/77	11			87		
1	2/26/77	12			87		
1	2/26/77	13			87		
1	2/26/77	14			87		
1	2/26/77	15					NG
1	2/26/77	16					NG
1	3/28/77	1			130		
1	3/28/77	2			128		
1	3/28/77	3			124		
1	3/28/77	4			116		
1	3/28/77	5			105		
1	3/28/77	6			91		
1	3/28/77	7			88		
1	3/28/77	8			88		
1	3/28/77	9			87		
1	3/28/77	10			87		
1	3/28/77	11			87		
1	3/28/77	12			87		
1	3/28/77	13			86		
1	3/29/77	14			86		
1	6/30/77	1			120		
1	6/30/77	2			118		
1	6/30/77	3			115		
1	6/30/77	4			108		
1	6/30/77	5			99		
1	6/30/77	6			88		
1	6/30/77	7			86		
1	6/30/77	8			86		
1	6/30/77	9			86		
1	6/30/77	10			86		
1	6/30/77	11			86		
1	6/30/77	12			86		
1	6/30/77	13			86		
1	6/30/77	14			86		
1	8/15/77	1			103		
1	8/15/77	2			102		
1	8/15/77	3			99		
1	8/15/77	4			94		
1	8/15/77	5			86		
1	8/15/77	6			77		
1	8/15/77	7			75		
1	8/15/77	8			75		

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-112							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	8/15/77	9			75		
1	8/15/77	10			74		
1	8/15/77	11			74		
1	8/15/77	12			74		
1	8/15/77	13			73		
1	8/15/77	14			73		
1	10/7/77	1			112		
1	10/7/77	2			113		
1	10/7/77	3			111		
1	10/7/77	4			106		
1	10/7/77	5			99		
1	10/7/77	6			90		
1	10/7/77	7			89		
1	10/7/77	8			89		
1	10/7/77	9			89		
1	10/7/77	10			89		
1	10/7/77	11			88		
1	10/7/77	12			88		
1	10/7/77	13			87		
1	10/7/77	14			87		
1	12/7/77	1					70 - suspect data (low)
1	12/7/77	2					69 - suspect data (low)
1	12/7/77	3					NG
1	12/7/77	4					NG
1	12/7/77	5					NG
1	12/7/77	6					NG
1	12/7/77	7					NG
1	12/7/77	8					NG
1	12/7/77	9					NG
1	12/7/77	10					NG
1	12/7/77	11					NG
1	12/7/77	12					NG
1	12/7/77	13					NG
1	12/7/77	14					NG
1	2/26/78	1			164		
1	2/26/78	2			119		
1	2/26/78	3			123		
1	2/26/78	4			115		
1	2/26/78	5			104		
1	2/26/78	6			91		
1	2/26/78	7			89		
1	2/26/78	8			91		
1	2/26/78	9			91		
1	2/26/78	10			74		
1	2/26/78	11			91		
1	2/26/78	12			90		
1	2/26/78	13			89		
1	2/26/78	14			89		
1	3/26/78	1			103		
1	3/26/78	2			98		
1	3/26/78	3			104		
1	3/26/78	4			94		
1	3/26/78	5			87		
1	3/26/78	6			71		
1	3/26/78	7			71		
1	3/26/78	8			72		
1	3/26/78	9			73		
1	3/26/78	10					53 - suspect data (low)
1	3/26/78	11			72		
1	3/26/78	12			71		
1	4/22/78	1			108		
1	4/22/78	2			108		
1	4/22/78	3			105		
1	4/22/78	4			98		
1	4/22/78	5			89		

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-112							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	4/22/78	6			77		
1	4/22/78	7			75		
1	4/22/78	8			75		
1	4/22/78	9			75		
1	4/22/78	10					NG
1	4/22/78	11			74		
1	4/22/78	12			74		
1	4/22/78	13			74		
1	4/22/78	14			74		
1	4/23/78	1			140		
1	4/23/78	2			135		
1	4/23/78	3			135		
1	4/23/78	4			133		
1	4/23/78	5			127		
1	4/23/78	6			116		
1	4/23/78	7			111		
1	4/23/78	8			117		
1	4/23/78	9			121		
1	4/23/78	10			121		
1	4/23/78	11			119		
1	4/23/78	12			120		
1	4/23/78	13			119		
1	6/17/78	1			112		
1	6/17/78	2			107		
1	6/17/78	3			111		
1	6/17/78	4			107		
1	6/17/78	5			95		
1	6/17/78	6			84		
1	6/17/78	7			82		
1	6/17/78	8			84		
1	6/17/78	9			83		
1	6/17/78	10			97		
1	6/17/78	11			83		
1	6/17/78	12			83		
1	7/16/78	1					NG
1	7/16/78	2					NG
1	7/16/78	3					NG
1	7/16/78	4					NG
1	7/16/78	5					NG
1	7/16/78	6					NG
1	7/16/78	7					NG
1	7/16/78	8					NG
1	7/16/78	9					NG
1	7/16/78	10					NG
1	7/16/78	11					NG
1	7/16/78	12					NG
1	7/16/78	13					NG
1	8/13/78	1			108		
1	8/13/78	2			106		
1	8/13/78	3			107		
1	8/13/78	4			100		
1	8/13/78	5			94		
1	8/13/78	6			86		
1	8/13/78	7			85		
1	8/13/78	8			85		
1	8/13/78	9			86		
1	8/13/78	10					NG
1	8/13/78	11			86		
1	8/13/78	12			87		
1	8/13/78	13			87		
1	8/13/78	14			87		
1	9/12/78	1			112		
1	9/12/78	2			111		
1	9/12/78	3			111		
1	9/12/78	4			105		

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-112							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	9/12/78	5			99		
1	9/12/78	6			92		
1	9/12/78	7			91		
1	9/12/78	8			91		
1	9/12/78	9			91		
1	9/12/78	10					NG
1	9/12/78	11			92		
1	9/12/78	12			92		
1	9/12/78	13			92		
1	9/12/78	14			92		
1	10/7/78	1			119		
1	10/7/78	2			128		
1	10/7/78	3			120		
1	10/7/78	4			118		
1	10/7/78	5			99		
1	10/7/78	6			98		
1	10/7/78	7			98		
1	10/7/78	8			95		
1	10/7/78	9			94		
1	1/3/79	1			117		
1	1/3/79	2			118		
1	1/3/79	3			115		
1	1/3/79	4			109		
1	1/3/79	5			99		
1	1/3/79	6			98		
1	1/3/79	7			96		
1	1/3/79	8			85		
1	1/3/79	9			85		
1	1/3/79	10					NG
1	1/3/79	11			87		
1	1/3/79	12			89		
1	7/7/79	1			104		
1	7/7/79	2			102		
1	7/7/79	3			100		
1	7/7/79	4			94		
1	7/7/79	5			86		
1	7/7/79	6			78		
1	7/7/79	7			76		
1	7/7/79	8			75		
1	7/7/79	9			76		
1	7/7/79	10					NG
1	7/7/79	11			76		
1	7/7/79	12			76		
1	6/12/81	1			93		
1	6/12/81	2			92		
1	6/12/81	3			90		
1	6/12/81	4			85		
1	6/12/81	5			78		
1	6/12/81	6			72		
1	6/12/81	7			70		
1	6/12/81	8			81		
1	6/12/81	9			70		
1	6/12/81	11			70		
1	6/12/81	12			70		
1	6/12/81	13			70		
1	6/12/81	14			70		
1	10/13/89	1	1			N	Could not find a manual reading station of housing.
1	11/3/89	1	1		76.5	Y	
1	11/11/89	1	1		75.7	Y	K type of LOW on 11-11-89 75.7
1	11/18/89	1	1		76.2	Y	In LOW Test taken with K
1	11/25/89	1	1		75	Y	LOW
1	12/1/89	1	1		74.9	Y	LOW
1	12/10/89	1	1		75	Y	LOW
1	12/15/89	1	1		73.5	Y	LOW

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-112							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/23/89	1	1		72	Y	
1	12/29/89	1	1		74.1	Y	LOW-K-890723679-20
1	12/29/89	1	2		78	Y	J-890523512-20
1	1/6/90	1	1		72.4	Y	LOW
1	1/13/90	1	1		72.8	Y	K LOW
1	1/27/90	1	1		69.2	Y	LOW - K
1	2/3/90	1	1		70.1	Y	LOW K-890723579-20
1	2/5/90	1	1		70.1	Y	LOW K-890723679-20
1	2/11/90	1	1			N	Unable to locate thermocouple.
1	3/2/90	1	1		72.3	Y	K-HH-99A-K
1	5/5/90	1	1			N	Not taken per PM 90-049
1	6/1/90	1	1			N	Not taken per PM 90-051
1	8/5/90	1	1			N	J1 written to re-instate LOW
1	8/7/90	1	1		75.9	Y	K LOW
1	9/11/90	1	1		80	Y	LOW K-890723679-64
1	10/9/90	1	1		84	Y	LOW
1	10/24/90	1	1		80	Y	K-HH-99A-K
1	10/26/90	1	1		79.3	Y	J-890523512-20
1	10/30/90	1	2		74.8	Y	K 890723679-64 LOW
1	11/5/90	1	1		71.4	Y	J 890523512-20
1	11/12/90	1	2		80	Y	K 890723679 LOW
1	11/18/90	1	1		79.6	Y	K 890723697-74 LOW
1	11/25/90	1	1		78.7	Y	K-890723679-64
1	12/5/90	1	1		72.1	Y	K 890723679-64 LOW
1	12/10/90	1	1		72.1	Y	K 890723679-64
1	12/11/90	1	2		72.1	Y	K 890723679-64
1	12/15/90	1	1		79.4	Y	K HH-99-A-K
1	12/22/90	1	2		70	Y	K 890723679-64 LOW
1	12/30/90	1	1		79.1	Y	K 890723679-64 LOW-6 readings LOW?
1	1/6/91	1	1		66.8	Y	K
1	1/13/91	1	1		67.8	Y	K 890723679-64
1	1/19/91	1	1		65.8	Y	K HH99A LOW
1	1/29/91	1	1		66.1	Y	K HH-99A LOW
1	2/3/91	1	1		74	Y	K 896723679-64 LOW
1	2/9/91	1	1		64.9	Y	K 890723679-64 LOW
1	2/16/91	1	1		77.8	Y	K-890723679-64 LOW
1	2/23/91	1	1		74.7	Y	K 896723679-64 LOW
1	3/3/91	1	1		73.9	Y	890923679-64 LOW
1	3/9/91	1	1		75.1	Y	K 890723679-20
1	3/17/91	1	1		79.4	Y	890923679-64 LOW
1	3/23/91	1	1		78.7	Y	890923679-64 LOW
1	3/30/91	1	1		79.2	Y	LOW 890923679-64
1	4/7/91	1	1		82.4	Y	LOW 890623567-12
1	4/14/91	1	1			N	K LOW-NR obtained
1	4/20/91	1	1		80.8	Y	K 890723633-64 LOW
1	4/28/91	1	1		80.4	Y	890623567-12 LOW
1	5/5/91	1	1		79.5	Y	K 690723633-64 LOW
1	5/12/91	1	1		78.7	Y	K 890723679-20 LOW
1	5/18/91	1	1		80.3	Y	K 890723633-64 LOW
1	5/25/91	1	1		79.5	Y	K 890723633-64 LOW
1	6/2/91	1	1		76.1	Y	K 890623567-12 LOW
1	6/9/91	1	1		77.5	Y	K 890623567-12 LOW
1	6/15/91	1	1		77.3	Y	K 890723633-64 LOW
1	6/23/91	1	1		79	Y	LOW 890623567-12
1	6/29/91	1	1		68.6	Y	K 890623567-12LOW
1	7/6/91	1	1		74.4	Y	K 890623567-12 LOW
1	7/13/91	1	1		72.3	Y	K 890623567-12 LOW
1	7/20/91	1	1		73.5	Y	K 890623567-12 LOW
1	7/27/91	1	1		81.3	Y	K 890725813 LOW
1	8/3/91	1	1		75.5	Y	K 890723679-20 LOW
1	8/10/91	1	1		75	Y	K 890723699-20 LOW
1	8/18/91	1	1		81.8	Y	K 890623567-12 LOW
1	8/24/91	1	1		81	Y	K 910226246-56 LOW
1	8/31/91	1	1		82	Y	K-910226246-45

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-112							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	9/8/91	1	1		82	Y	K-910226246-45 LOW
1	9/15/91	1	1		82.6	N	K-890623567-12
1	9/22/91	1	1		84.6	Y	K-890723679-64 LOW
1	9/28/91	1	1			N	TC #1 O/S
1	10/1/91	1	1		77.8	Y	K-910226246-45 LOW
1	10/5/91	1	1		77.9	Y	K-910226246-45 LOW
1	10/12/91	1	1		81.4	Y	K-89623565712
1	10/19/91	1	1		78.6	Y	K-890723633-71 LOW
1	10/27/91	1	1		79.5	Y	K-910226246-45 LOW
1	11/2/91	1	1		77	Y	K
1	11/9/91	1	1		78	Y	K-890723633-71 LOW
1	11/17/91	1	1			N	NO READINGS J-3
1	11/24/91	1	1		79.8	Y	K-890723679-64 LOW
1	12/1/91	1	1		80.3	Y	K-890723679-64 LOW
1	12/8/91	1	1		82.4	Y	K-89062357-12 LOW
1	12/14/91	1	1		82.1	N	K-910226246-68 LOW
1	12/20/91	1	1		82.4	Y	K-910426539-39
1	12/29/91	1	1		76.3	Y	K-910226246-68 LOW
1	1/4/92	1	1			N	TCs not available
1	1/11/92	1	1		77.5	Y	910426539 LOW
1	1/16/92	1	1		82	Y	K 910426539-7
1	1/28/92	1	1			N	ACCESS RESTRICTED 1/28 - 2/22 DUE TO BATTERY FUME INCIDENT
1	2/24/92	1	1		82.4	N	
1	2/29/92	1	1		82.8	Y	K+I-030/9104265397
1	3/10/92	1	1		81.7	Y	K 910476539-80
1	3/15/92	1	1		82	Y	K 910426539-80
1	3/20/92	1	1		81.9	Y	K 91042653980
1	3/29/92	1	1		82.8	Y	K 910226246-34
1	4/3/92	1	1		83	Y	J 910126143-14
1	4/11/92	1	1		84.3	Y	K 890723679-80
1	4/17/92	1	1		81.7	Y	K 890723679 64
1	4/25/92	1	1		84.1	Y	K 91022624634
1	4/30/92	1	1		81.9	Y	K 910426539-7
1	5/16/92	1	1		81.4	Y	K 890723633-64
1	5/24/92	1	1		80.4	Y	K 890723633-64
1	5/28/92	1	1		80.3	Y	K 890723633-64
1	6/5/92	1	1		83.8	Y	K 890623567-12
1	6/13/92	1	1		86	Y	K 910426539-7
1	6/16/92	1	1		80	Y	K 890723633-64 6-92
1	6/20/92	1	1		84.8	Y	K 90226246-45
1	6/28/92	1	1		85.1	Y	K TI-024 90226246-45
1	7/3/92	1	1		82.6	Y	
1	7/10/92	1	1		81.4	Y	K 9104265397
1	7/18/92	1	1		85.9	Y	K 890723679-64
1	7/24/92	1	1		83.5	Y	K 890723679-64
1	8/1/92	1	1		85.5	Y	K TI-050
1	8/7/92	1	1		79.6	Y	K 910226246-56
1	8/15/92	1	1		84.4	Y	K 910226246-56
1	8/21/92	1	1		82.7	Y	K 90226240-45
1	8/30/92	1	1		85.2	Y	K 910226246-56
1	9/6/92	1	1		80.5	Y	K
1	9/12/92	1	1		76.3	Y	K 910226246-34
1	9/20/92	1	1		79.8	Y	K 890723679-64
1	9/26/92	1	1		80.6	Y	K 890723679-64
1	10/1/92	1	1		81.2	Y	K 890723679-64
1	10/18/92	1	1		81.9	Y	K 910226246-34
1	10/24/92	1	1		83	Y	K 9101426539-80
1	10/28/92	1	1		81.5	Y	K 91042653980
1	11/1/92	1	1		83.1	Y	TMACS
1	11/8/92	1	1		82.9	Y	TMACS
1	11/15/92	1	1		82.7	Y	TMACS
1	11/20/92	1	1		82.7	Y	K 910226246-45
1	11/22/92	1	1		83.1	Y	TMACS
1	11/29/92	1	1		83.1	Y	TMACS

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-112							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
1	12/6/92	1	1		83.3	Y	TMACS
1	12/13/92	1	1		82.9	Y	TMACS
1	12/20/92	1	1		82.7	Y	TMACS
1	12/27/92	1	1		82.9	Y	TMACS
1	1/3/93	1	1		82.4	Y	TMACS
1	1/10/93	1	1		82.7	Y	TMACS
1	1/17/93	1	1		82.9	Y	TMACS
1	1/24/93	1	1		82	Y	TMACS
1	1/31/93	1	1		82.4	Y	TMACS
1	2/5/93	1	1		81.4	Y	K 890723679-64
1	2/8/93	1	1		82.22	Y	TMACS
1	2/21/93	1	1		80.7	Y	K 890723679-84
1	2/21/93	1	2		81.86	Y	TMACS
1	2/27/93	1	1		81.2	Y	K 910426539-80
1	3/1/93	1	1		81.68	Y	TMACS
1	3/5/93	1	1		81	Y	K 910426539-80
1	3/8/93	1	1		81.68	Y	TMACS
1	3/15/93	1	1		81.5	Y	TMACS
1	3/22/93	1	1		81.32	Y	TMACS
1	3/29/93	1	1		82	Y	
1	4/5/93	1	1		81	Y	TMACS
1	4/12/93	1	1		81	Y	TMAC
2	4/16/93	1	1		89.9	N	TREE #2
2	4/16/93	2	1		90	Y	
2	4/16/93	3	1		88.4	N	
2	4/16/93	4	1		84.7	N	
2	4/16/93	5	1		74.6	N	
2	4/16/93	6	1		64.4	N	
1	4/19/93	1	1		81.14	Y	TMACS
2	4/23/93	1	1		89	Y	TREE #2
2	4/23/93	2	1		88	N	
2	4/23/93	3	1		87	N	
2	4/23/93	4	1		84	N	
2	4/23/93	5	1		74	N	
2	4/23/93	6	1		63	N	
1	4/25/93	1	1		80.78	Y	TMACS
2	4/30/93	1	1		90	Y	E 777-13-20-010
2	4/30/93	2	1		90	N	
2	4/30/93	3	1		89	N	
2	4/30/93	4	1		85	N	
2	4/30/93	5	1		74	N	
2	4/30/93	6	1		65	N	
2	5/7/93	1	1		89	Y	K 777-13-20-010
2	5/7/93	2	1		75	N	
2	5/7/93	3	1		64	N	
2	5/7/93	4	1		83	N	
2	5/7/93	5	1		72	N	
2	5/7/93	6	1		63	N	
2	5/14/93	1	1		87	Y	K817-13-55-006
2	5/14/93	2	1		86	N	
2	5/14/93	3	1		85	N	
2	5/14/93	4	1		80	N	
2	5/14/93	5	1		71	N	
2	5/14/93	6	1		63	N	
2	5/21/93	1	1		86	Y	K
2	5/21/93	2	1		86	N	
2	5/21/93	3	1		84	N	
2	5/21/93	4	1		81	N	
2	5/21/93	5	1		74	N	
2	5/21/93	6	1		67	N	
2	5/27/93	1	1		87	Y	K 817-13-55-006
2	5/27/93	2	1		87	N	
2	5/27/93	3	1		85	N	
2	5/27/93	4	1		82	N	

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-112							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
2	5/27/93	5	1		71	N	
2	5/27/93	6	1		64	N	
2	6/4/93	1	1		85	Y	K 817-13-55-006
2	6/4/93	2	1		87	N	
2	6/4/93	3	1		83	N	
2	6/4/93	4	1		79	N	
2	6/4/93	5	1		71	N	
2	6/4/93	6	1		63	N	
2	6/14/93	1	1		87.1	Y	K 817-13-55-001
2	6/14/93	2	1		86	N	
2	6/14/93	3	1		84	N	
2	6/14/93	4	1		80.9	N	
2	6/14/93	5	1		71.7	N	
2	6/14/93	6	1		64.5	N	
2	6/18/93	1	1		86	Y	k777-13-20-010
2	6/18/93	2	1		84	N	
2	6/18/93	3	1		82	N	
2	6/18/93	4	1		77	N	
2	6/18/93	5	1		70	N	
2	6/18/93	6	1		63	N	
1	6/19/93	1	1		80.5	Y	LOWERED TEMP PROBE TO BOTTOM OF LOW. K 910426539-80
1	6/19/93	3	1			N	
1	6/19/93	4	1			N	
1	6/19/93	5	1			N	
1	6/19/93	6	1			N	
1	6/21/93	1	1		80.78	Y	TMACS
1	6/27/93	1	1		82.4	Y	TMACS. down req. man. rdgs.
1	7/3/93	1	1		81.3	Y	man. rdg.
2	7/3/93	1	1		87.3	Y	KT1-024
2	7/3/93	2	1		87	N	
2	7/3/93	3	1		84.9	N	
2	7/3/93	4	1		81	N	
2	7/3/93	5	1		72.3	N	
2	7/3/93	6	1		65.7	N	
1	7/5/93	1	1		83.12	Y	TMACS
1	7/12/93	1	1		82.4	Y	TMACS
2	7/12/93	1	1		88.88	Y	TMACS
2	7/12/93	2	1		88.7	N	
2	7/12/93	3	1		87.08	N	
2	7/12/93	4	1		84.02	N	
2	7/12/93	5	1		76.82	N	
2	7/12/93	6	1		71.42	N	
1	7/19/93	1	1		82.76	Y	TMACS
2	7/19/93	1	1		88.88	N	TMACS
2	7/19/93	2	1		89.06	Y	
2	7/19/93	3	1		87.8	N	
2	7/19/93	4	1		84.74	N	
2	7/19/93	5	1		77.36	N	
2	7/19/93	6	1		72.5	N	
1	7/26/93	1	1		82.58	Y	TMACS
2	7/26/93	1	1		88.7	Y	TMACS
2	7/26/93	2	1		88.7	N	
2	7/26/93	3	1		87.44	N	
2	7/26/93	4	1		84.02	N	
2	7/26/93	5	1		77.18	N	
2	7/26/93	6	1		72.32	N	
1	8/2/93	1	1		83.12	Y	TMACS
2	8/2/93	1	1		89.06	Y	TMACS
2	8/2/93	2	1		89.06	N	
2	8/2/93	3	1		87.62	N	
2	8/2/93	4	1		84.74	N	
2	8/2/93	5	1		78.08	N	
2	8/2/93	6	1		72.86	N	
1	8/9/93	1	1		83.12	Y	TMACS

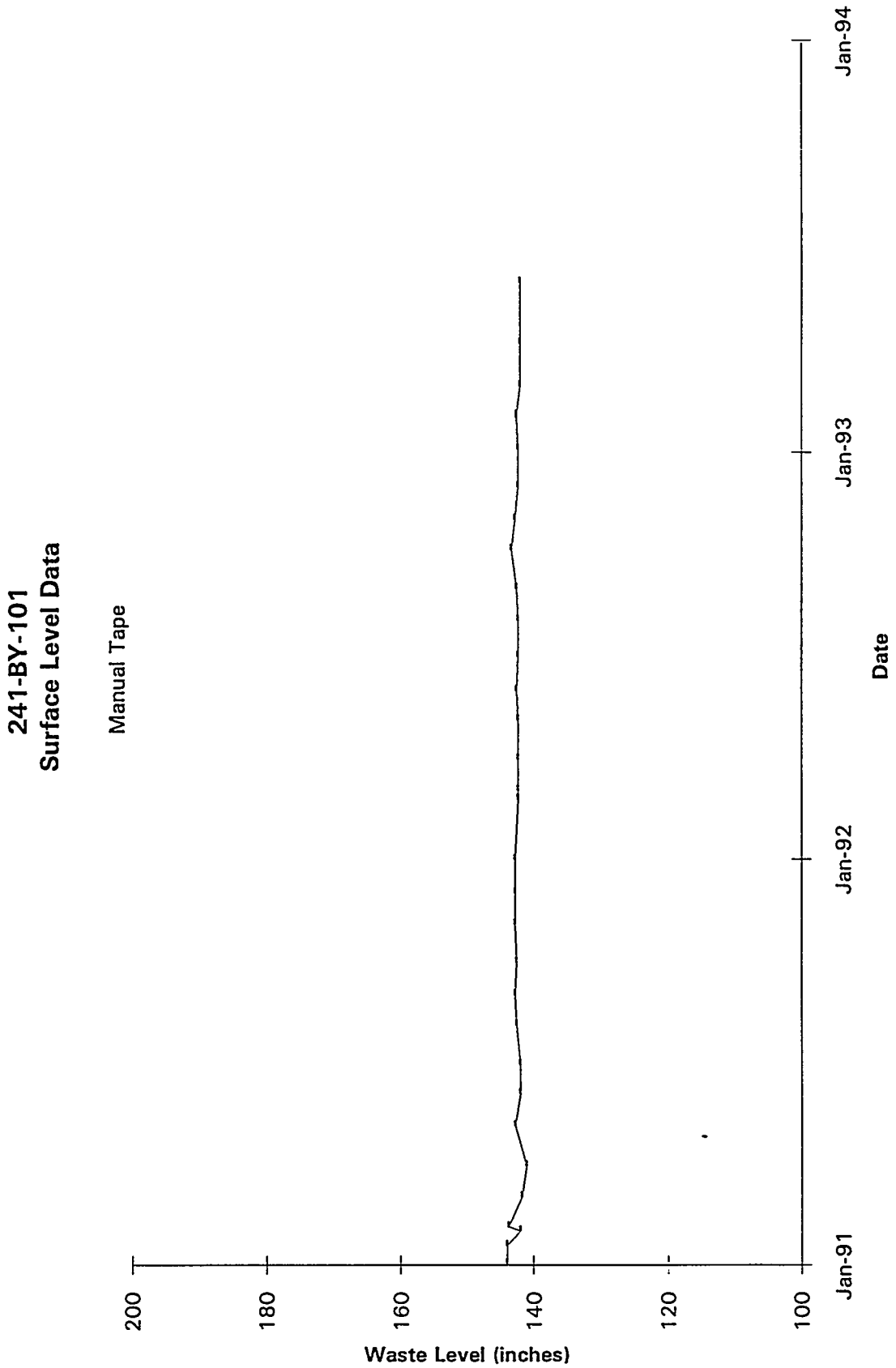
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-112							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
2	8/9/93	1	1		89.06	N	TMACS
2	8/9/93	2	1		89.24	Y	
2	8/9/93	3	1		88.16	N	
2	8/9/93	4	1		84.92	N	
2	8/9/93	5	1		78.44	N	
2	8/9/93	6	1		74.3	N	
1	8/15/93	1	1		82.58	Y	tmacs
2	8/15/93	1	1		88.52	N	tmacs
2	8/15/93	2	1		88.7	Y	
2	8/15/93	3	1		87.62	N	
2	8/15/93	4	1		84.56	N	
2	8/15/93	5	1		78.08	N	
2	8/15/93	6	1		73.58	N	
1	8/23/93	1	1		82.94	Y	TMACS
2	8/23/93	1	1		88.88	N	TMACS
2	8/23/93	2	1		89.06	Y	
2	8/23/93	3	1		87.8	N	
2	8/23/93	4	1		84.74	N	
2	8/23/93	5	1		78.44	N	
2	8/23/93	6	1		73.94	N	
1	8/26/93	1	1		82.9	Y	K TYPE
2	8/26/93	1	1		88.9	Y	K TYPE
2	8/26/93	2	1		88.9	N	
2	8/26/93	3	1		87.6	N	
2	8/26/93	4	1		84.6	N	
2	8/26/93	5	1		78.3	N	
2	8/26/93	6	1		74.1	N	
1	8/30/93	1	1		82.94	Y	TMACS
2	8/30/93	1	1		89.06	N	TMACS
2	8/30/93	2	1		89.24	Y	
2	8/30/93	3	1		88.16	N	
2	8/30/93	4	1		85.28	N	
2	8/30/93	5	1		78.98	N	
2	8/30/93	6	1		74.66	N	
1	9/6/93	1	1		83.3	Y	TMACS
2	9/6/93	1	1		88.88	N	TMACS
2	9/6/93	2	1		89.06	Y	
2	9/6/93	3	1		87.98	N	
2	9/6/93	4	1		85.28	N	
2	9/6/93	5	1		78.98	N	
2	9/6/93	6	1		75.2	N	
1	9/12/93	1	1		82.94	Y	TMACS
2	9/12/93	1	1		88.88	N	TMACS
2	9/12/93	2	1		89.06	Y	
2	9/12/93	3	1		88.16	N	
2	9/12/93	4	1		85.1	N	
2	9/12/93	5	1		78.98	N	
2	9/12/93	6	1		75.56	N	
1	9/19/93	1	1		83.12	Y	TMACS
2	9/19/93	1	1		89.06	N	TMACS
2	9/19/93	2	1		89.24	Y	
2	9/19/93	3	1		88.52	N	
2	9/19/93	4	1		85.64	N	
2	9/19/93	5	1		79.52	N	
2	9/19/93	6	1		76.1	N	
1	9/26/93	1	1		83.3	Y	TMACS
2	9/26/93	1	1		89.06	N	TMACS
2	9/26/93	2	1		89.6	Y	
2	9/26/93	3	1		88.7	N	
2	9/26/93	4	1		85.64	N	
2	9/26/93	5	1		79.7	N	
2	9/26/93	6	1		76.1	N	
1	10/3/93	1	1		83.66	Y	TMACS
2	10/3/93	1	1		89.6	N	TMACS
2	10/3/93	2	1		89.78	Y	

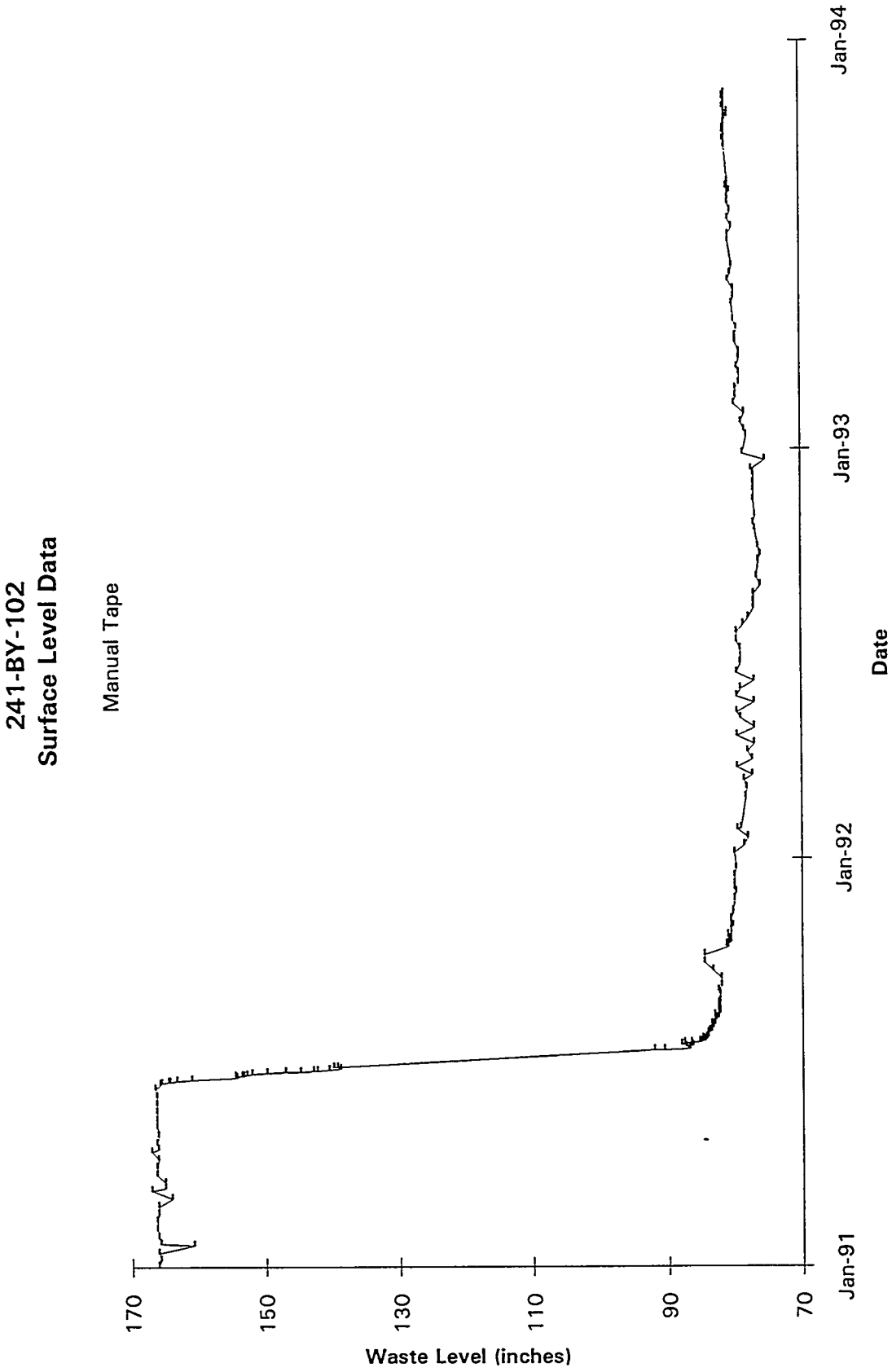
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.

TANK 241-BY-112							
THERMOCOUPLE DATA							
TREE#	DATE	THERMO #	TREE SET #	TEMP C	TEMP F	Y=MAX TEMP	COMMENTS
2	10/3/93	3	1		89.06	N	
2	10/3/93	4	1		86	N	
2	10/3/93	5	1		80.24	N	
2	10/3/93	6	1		76.82	N	
1	10/10/93	1	1		83.48	Y	TMACS
2	10/10/93	1	1		89.42	N	TMACS
2	10/10/93	2	1		89.78	Y	
2	10/10/93	3	1		89.24	N	
2	10/10/93	4	1		86.18	N	
2	10/10/93	5	1		80.42	N	
2	10/10/93	6	1		77	N	
1	10/19/93	1	1		83.5	Y	TMACS
2	10/19/93	1	1		89.2	N	TMACS
2	10/19/93	2	1		89.4	Y	
2	10/19/93	3	1		88.9	N	
2	10/19/93	4	1		86.2	N	
2	10/19/93	5	1		80.1	N	
2	10/19/93	6	1		76.6	N	
1	10/20/93	1	1		82.8	Y	K 890723633-71
2	10/20/93	1	1		78.8	Y	K 890723633-71
2	10/20/93	2	1		77.4	N	
2	10/20/93	3	1		74.8	N	
2	10/20/93	4	1		69.5	N	
2	10/20/93	5	1		69.4	N	
2	10/20/93	6	1		69.5	N	
1	10/25/93	1	1		83.3	Y	TMACS
2	10/25/93	1	1		89.06	N	TMACS
2	10/25/93	2	1		89.6	Y	
2	10/25/93	3	1		88.88	N	
2	10/25/93	4	1		86	N	
2	10/25/93	5	1		80.06	N	
2	10/25/93	6	1		76.46	N	
1	11/1/93	1	1		83.48	Y	TMACS
2	11/1/93	1	1		89.06	N	TMACS
2	11/1/93	2	1		89.78	Y	
2	11/1/93	3	1		88.88	N	
2	11/1/93	4	1		86.36	N	
2	11/1/93	5	1		80.06	N	
2	11/1/93	6	1		76.64	N	
1	11/8/93	1	1		83.66	Y	TMACS
2	11/8/93	1	1		89.6	N	TMACS
2	11/8/93	2	1		90.14	Y	
2	11/8/93	3	1		89.6	N	
2	11/8/93	4	1		86.36	N	
2	11/8/93	5	1		80.24	N	
2	11/8/93	6	1		76.64	N	

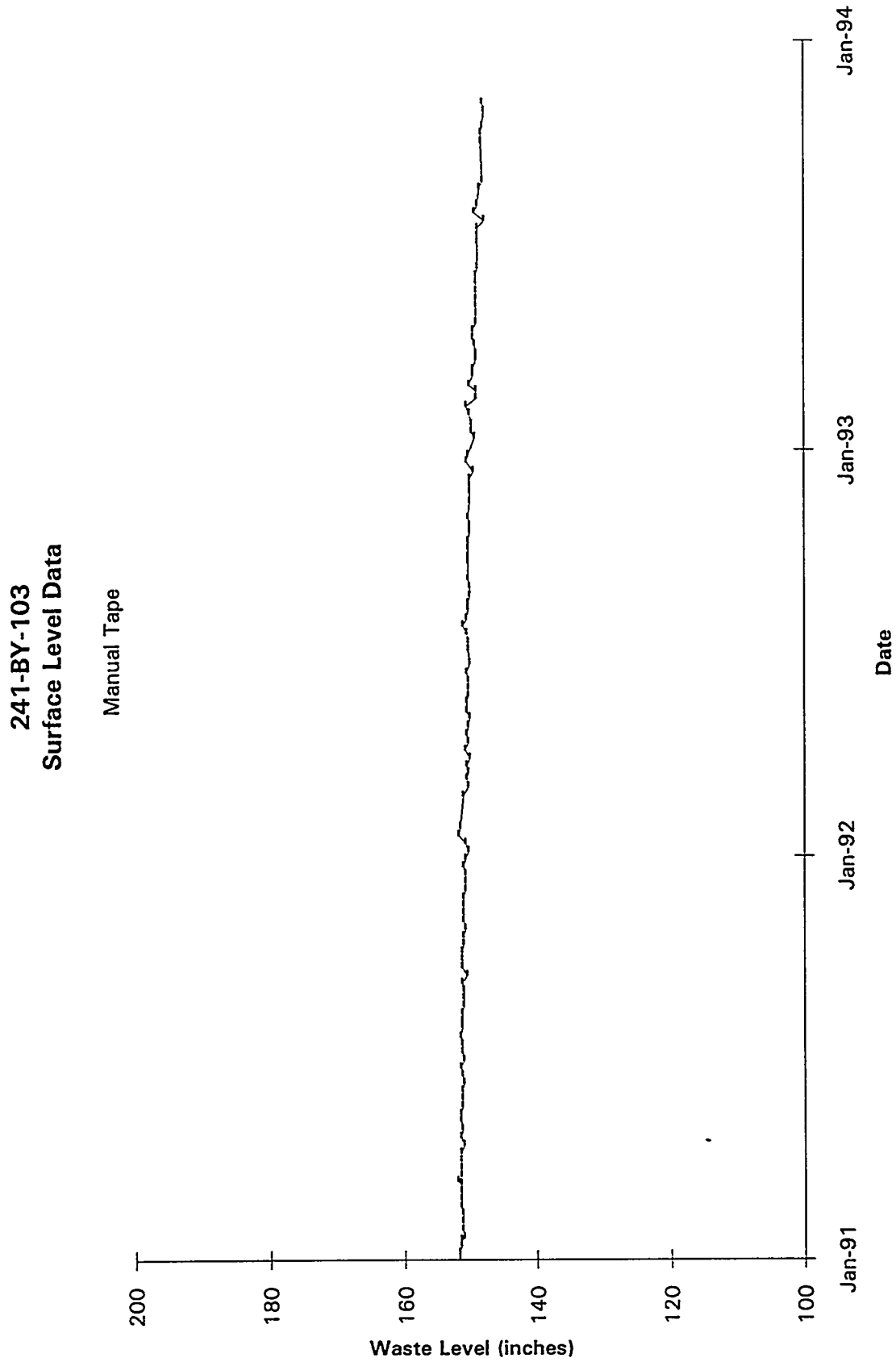
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 12, 1993.



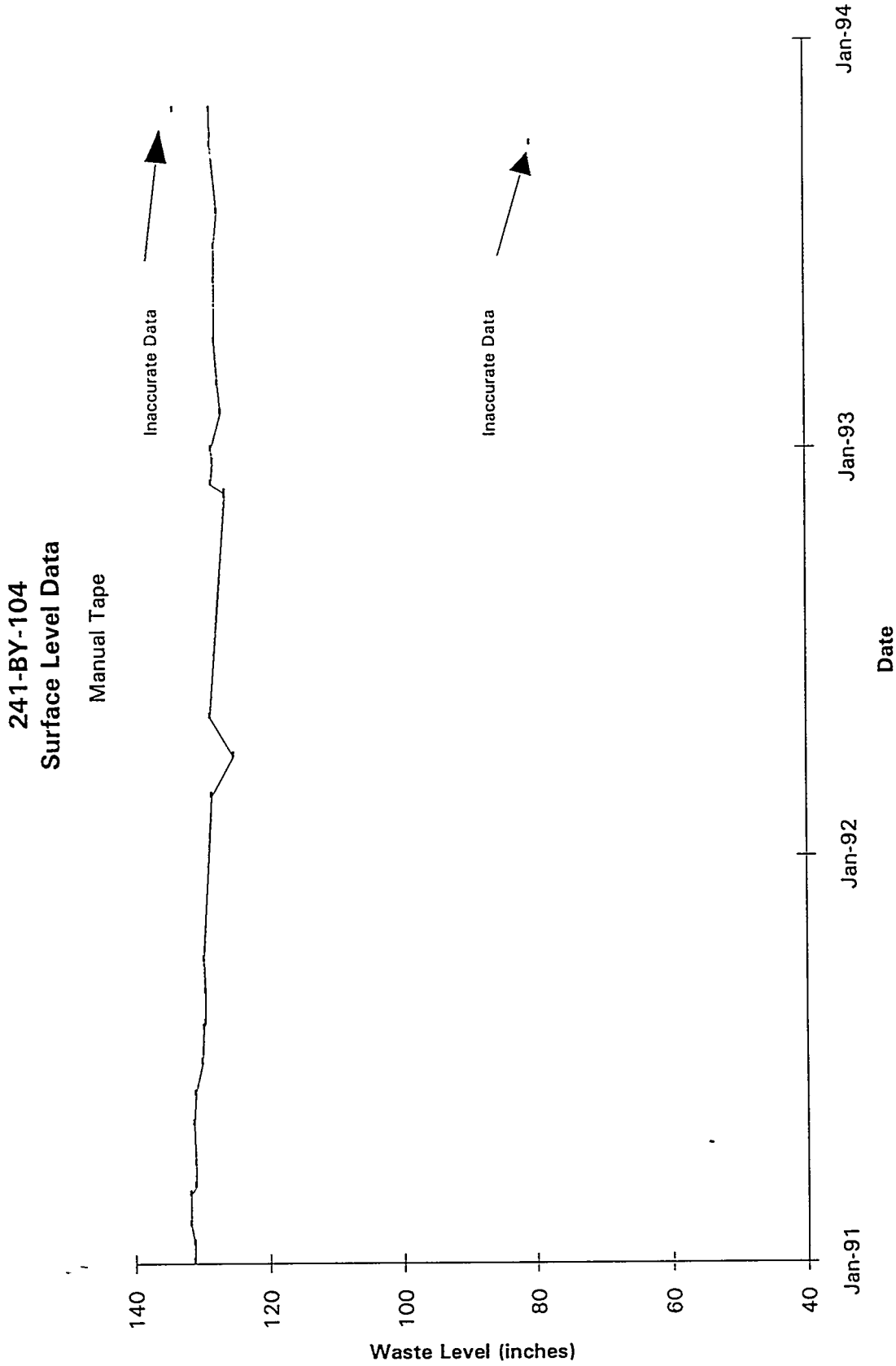
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.



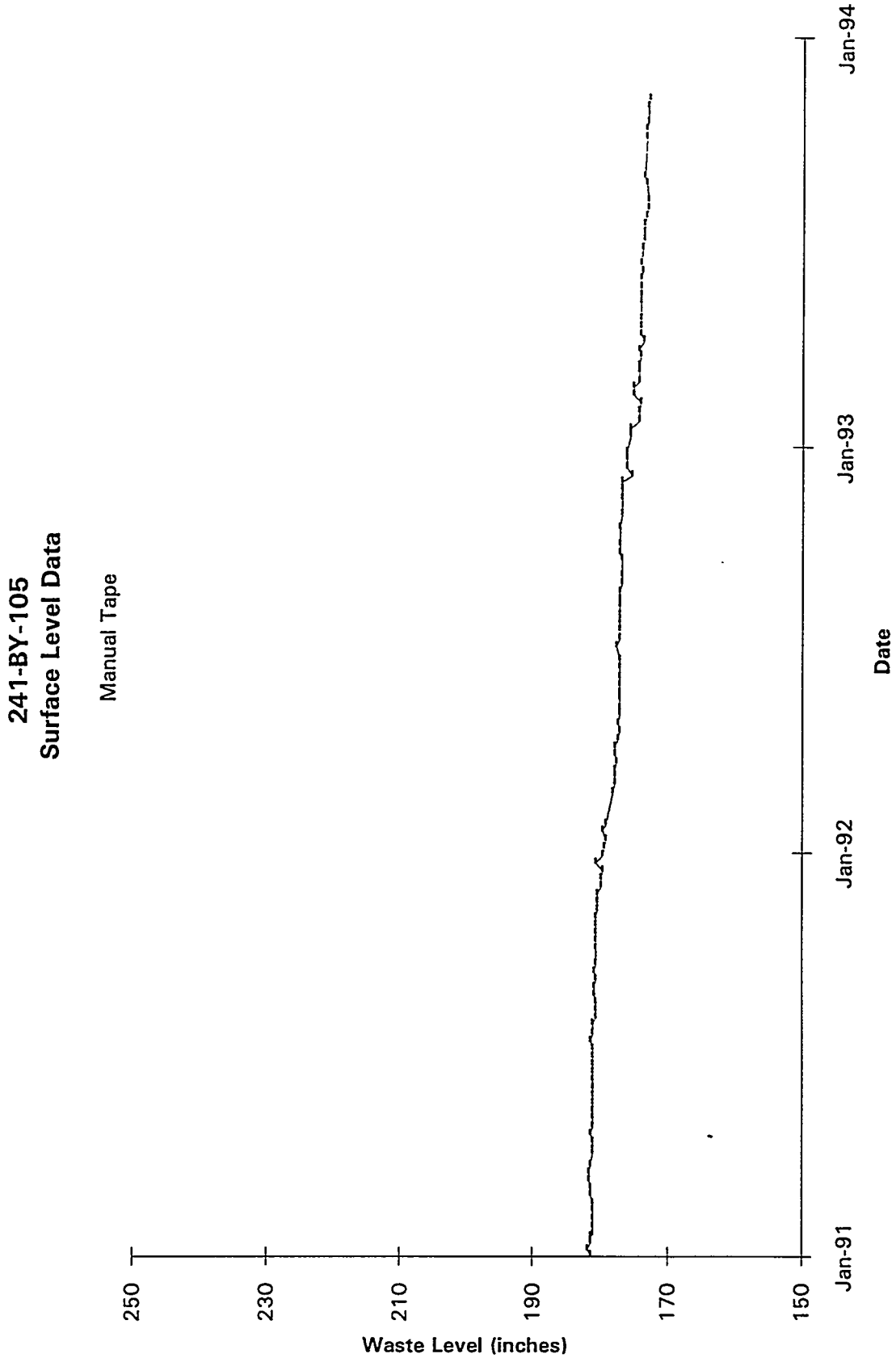
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.



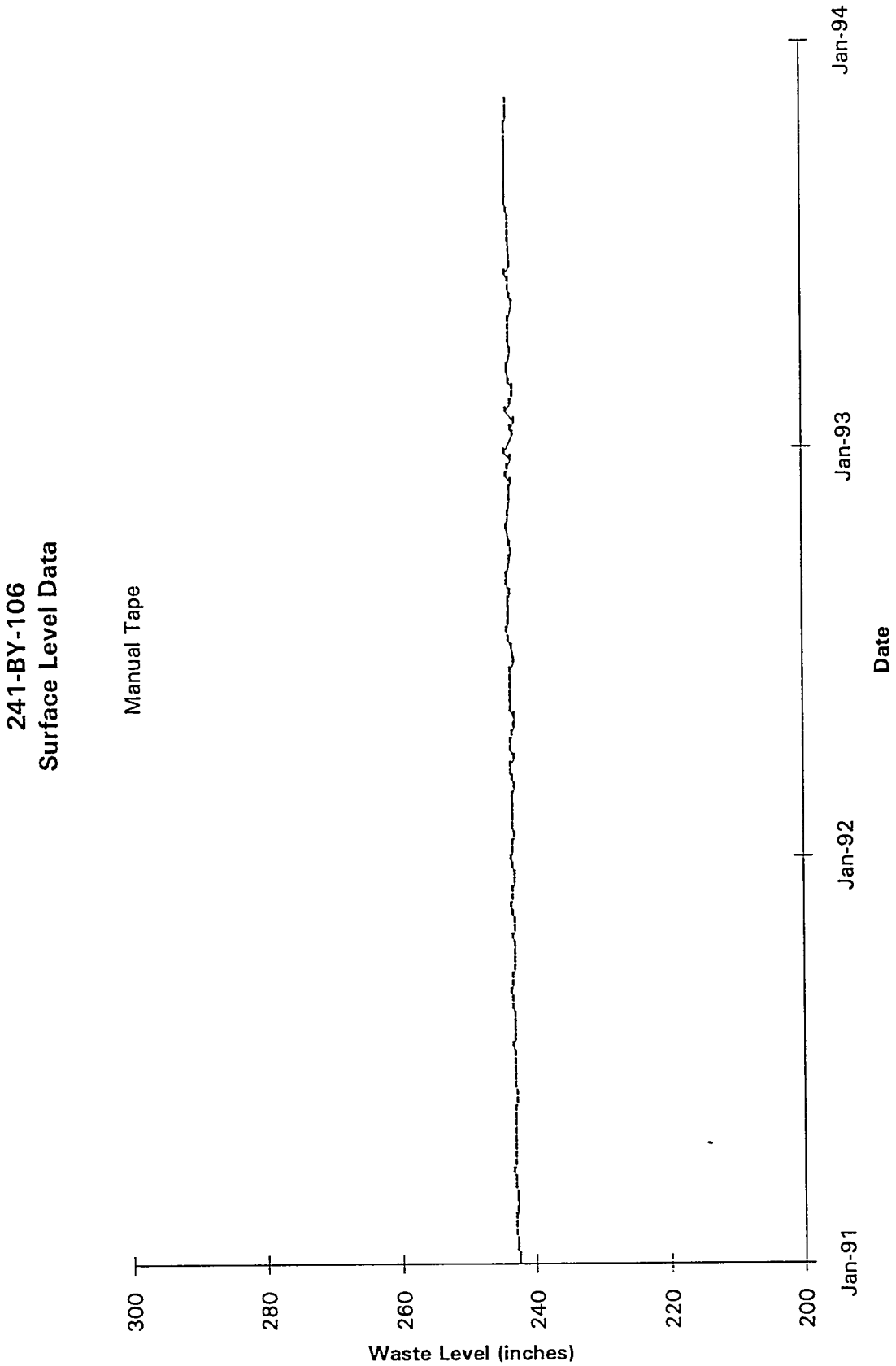
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.



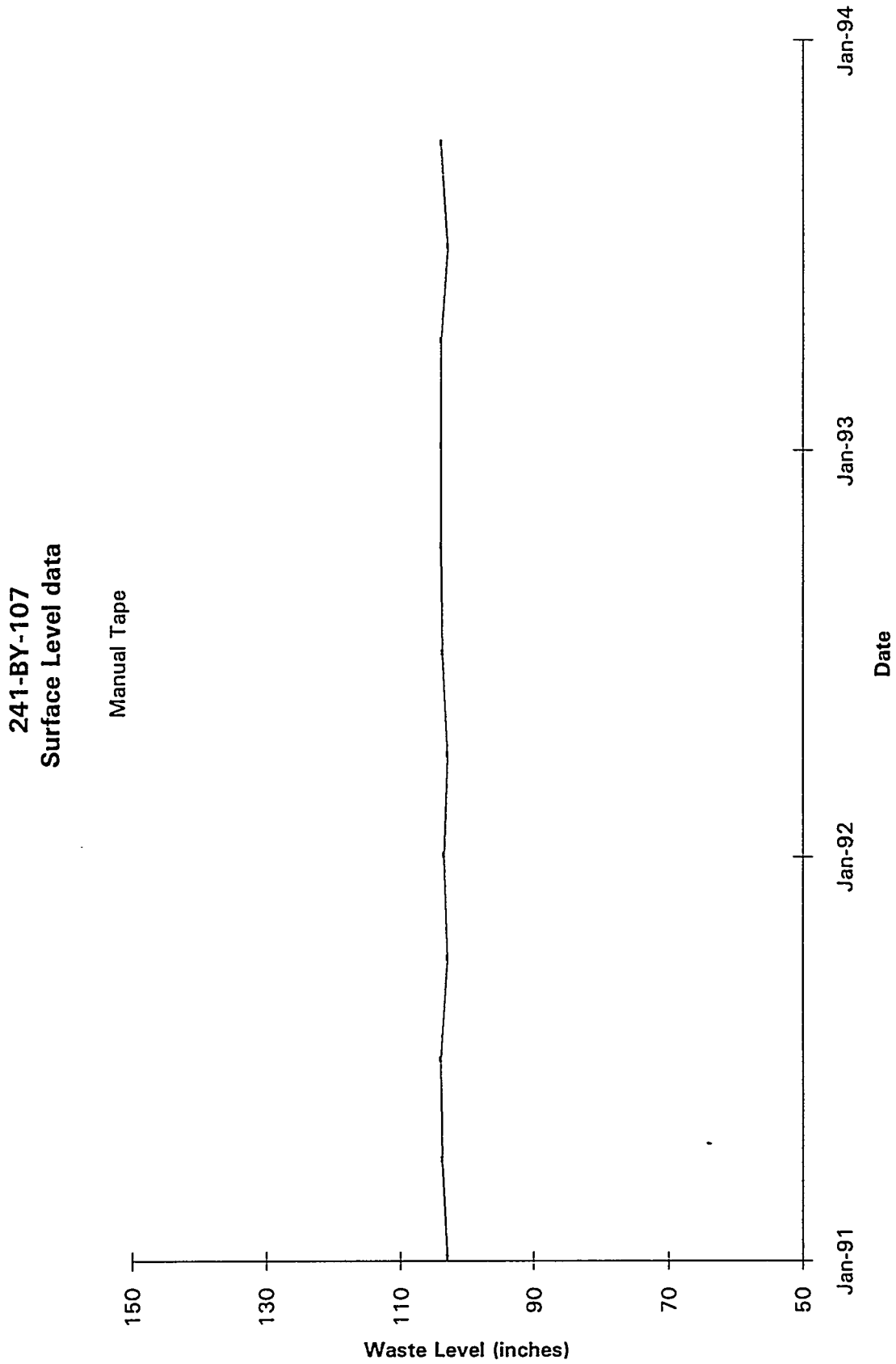
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.



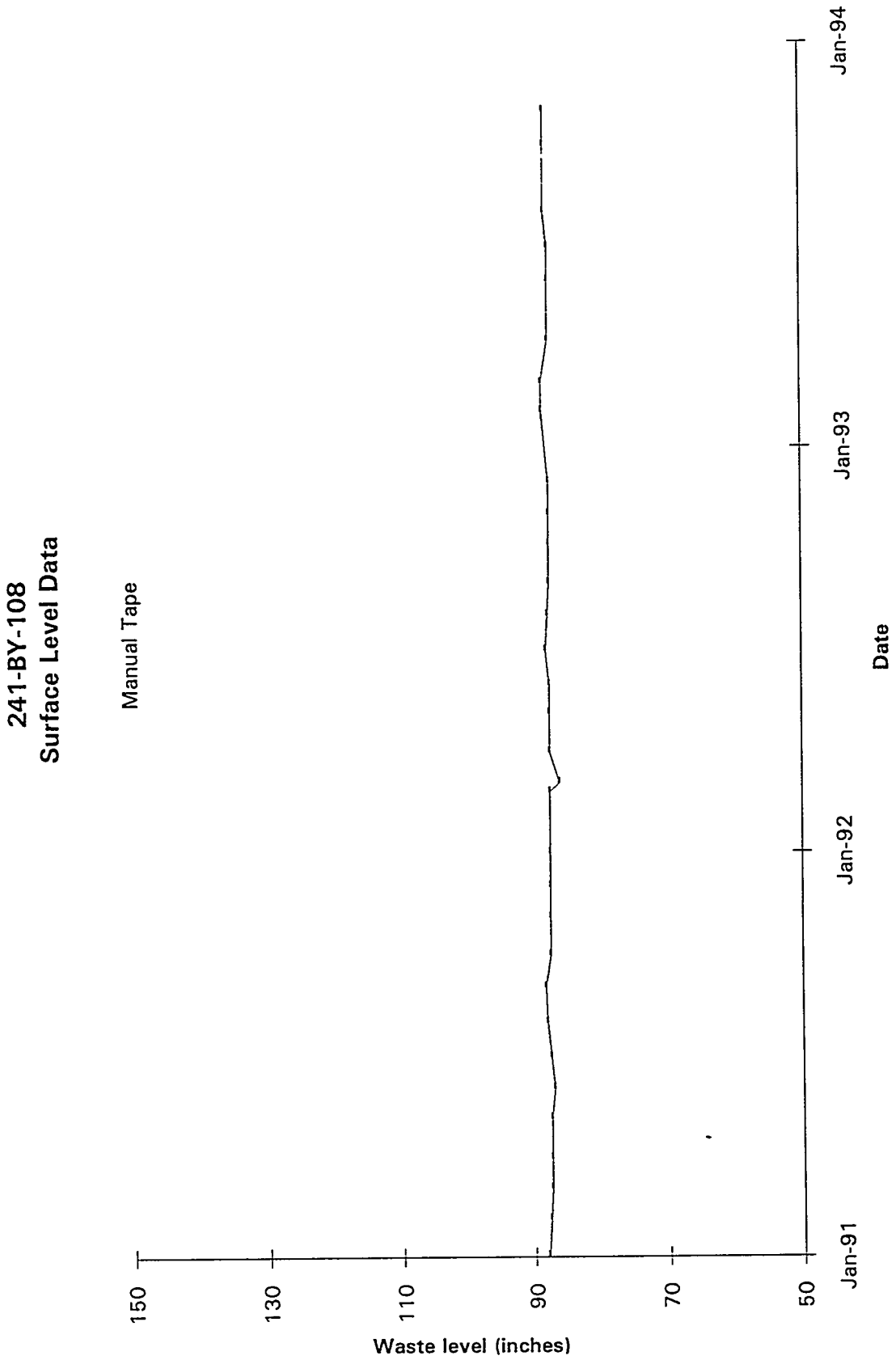
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.



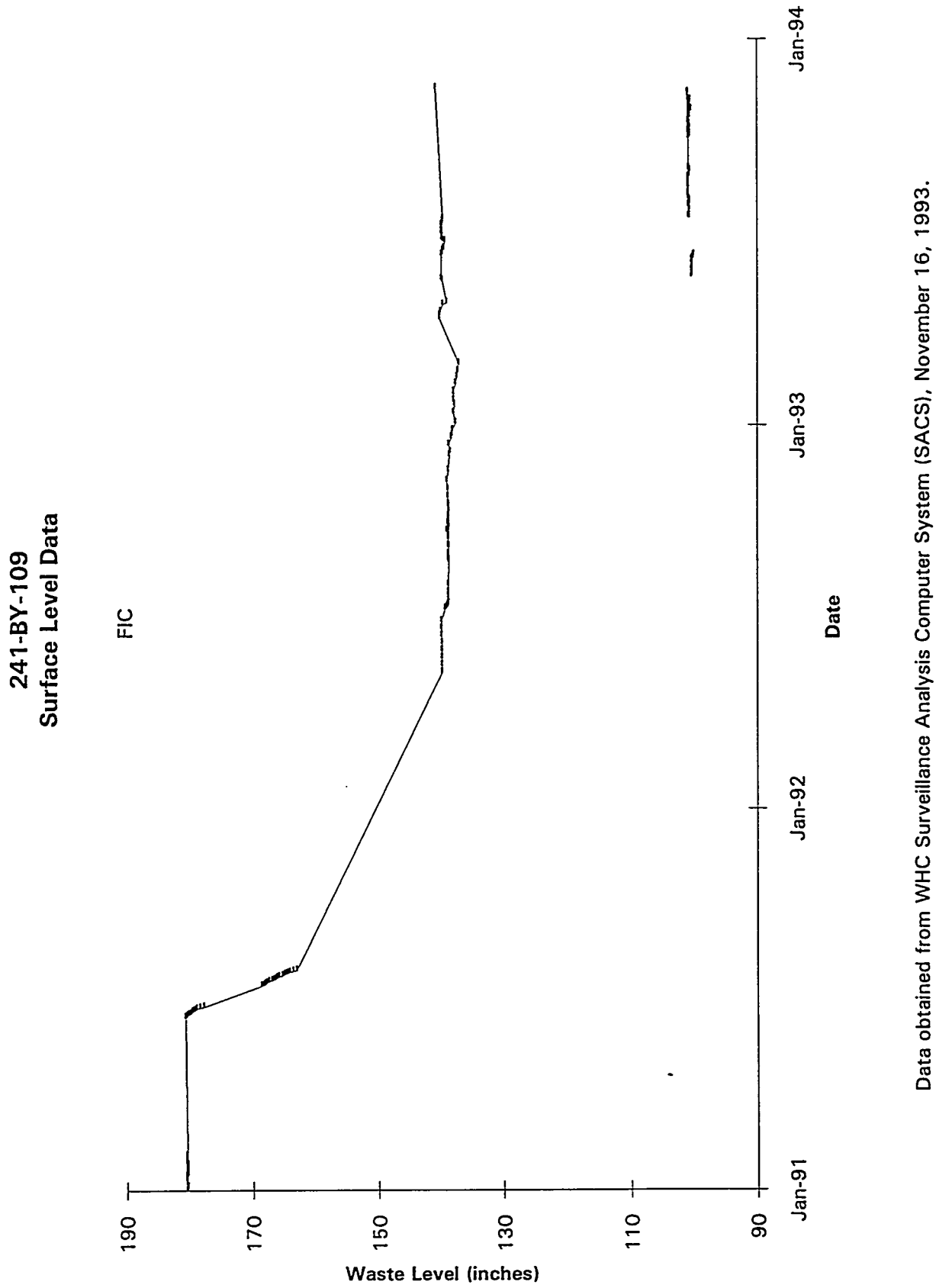
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.



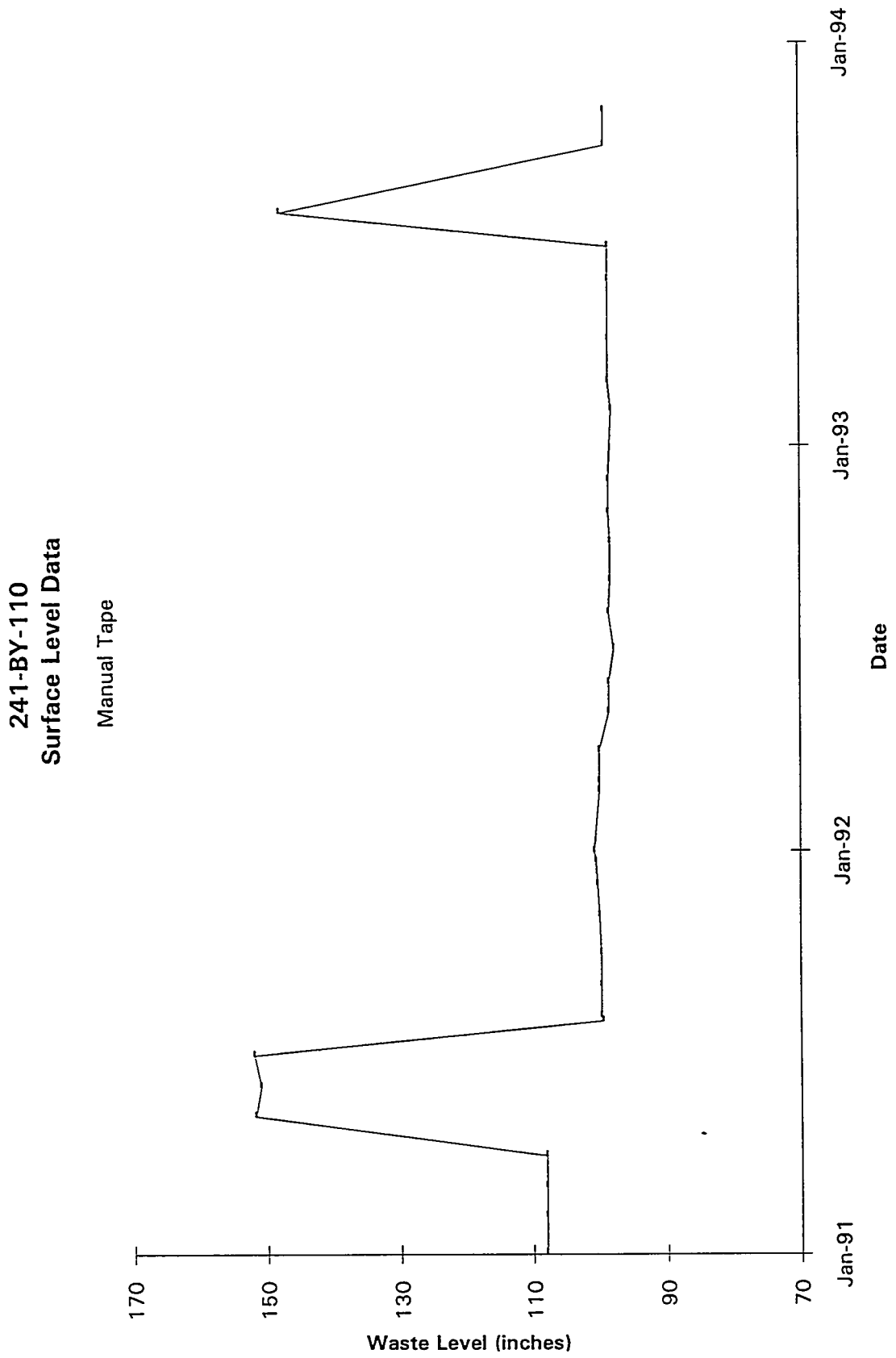
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.



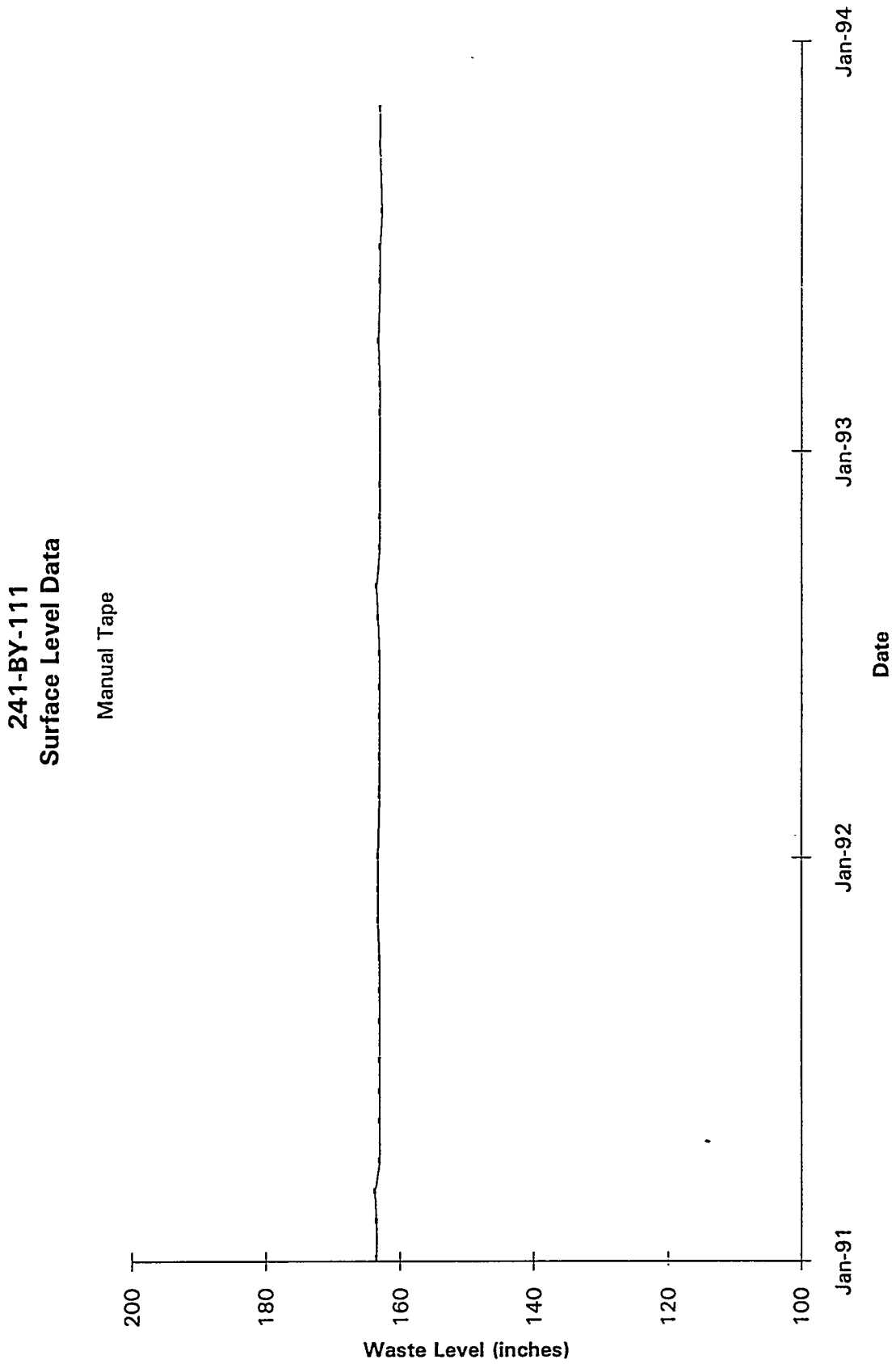
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.



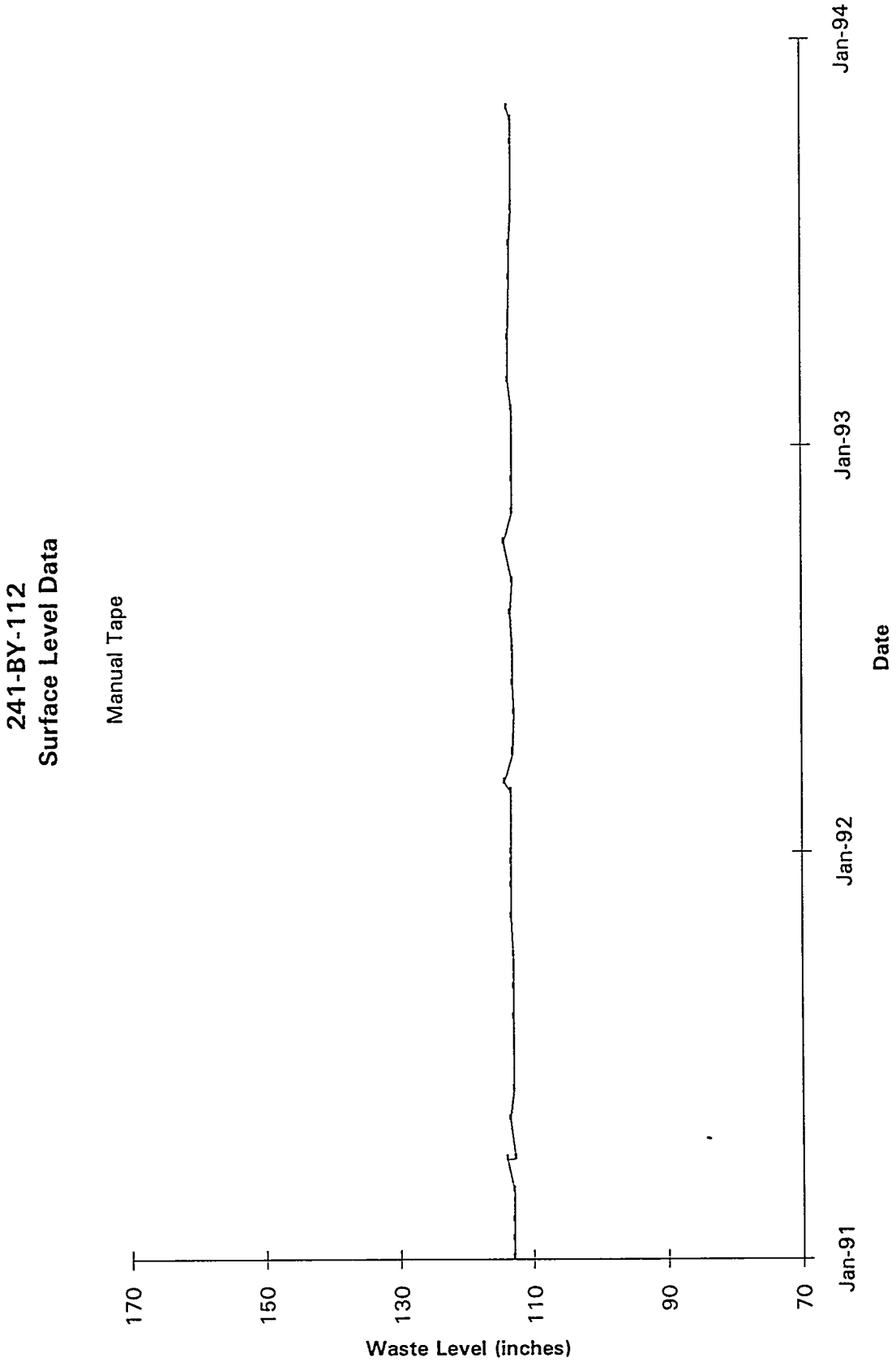
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.



Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.



Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.



Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

Surface Level Data					
Manual Tape					
Year	Month	Day	Hour	Minutes	Surface Level
91	1	2	15	25	144
91	1	19	15	25	144
91	2	1	10	0	142
91	2	5	8	20	143.75
91	3	4	14	56	141.75
91	4	1	15	24	141
91	5	7	13	24	142.75
91	6	5	9	55	142
91	7	1	9	55	142
91	8	6	20	17	142.5
91	9	2	10	0	142.75
91	10	1	10	0	142.5
91	11	4	10	0	142.75
91	12	2	10	0	142.75
92	1	1	10	0	142.75
92	2	25	15	15	142.25
92	3	4	8	37	142.25
92	4	1	14	57	142.25
92	5	6	7	52	142.25
92	6	1	15	28	142.5
92	7	2	15	33	142.25
92	8	3	17	27	142.25
92	9	1	15	25	142.5
92	10	6	6	53	143.25
92	11	2	15	20	142.75
92	12	1	14	43	142.25
92	12	1	18	2	142.25
93	1	4	10	0	142.25
93	2	1	10	0	142.5
93	2	3	2	28	142.5
93	3	1	10	0	142
93	3	1	17	22	142
93	4	8	0	44	142
93	6	1	14	48	142

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

Surface Level Data					
Manual Tape					
Year	Month	Day	Hour	Minutes	Surface Level
91	1	2	8	11	166
91	1	7	14	33	165.75
91	1	14	15	11	166
91	1	21	1	31	160.75
91	1	22	7	59	165.75
91	1	28	15	8	166
91	2	4	15	28	166.25
91	2	12	16	39	166.25
91	2	18	18	25	166
91	2	25	15	12	166
91	3	4	14	56	164
91	3	11	16	42	167
91	3	13	15	27	165
91	3	18	17	25	165
91	3	25	15	1	166.25
91	4	1	15	24	166.25
91	4	8	17	53	166
91	4	15	15	23	167
91	4	17	7	35	166
91	4	22	15	3	166.25
91	4	29	17	17	166
91	5	7	13	24	166.25
91	5	13	14	54	166.25
91	5	20	14	57	166.25
91	5	27	14	41	166.25
91	6	3	14	56	166.25
91	6	10	14	55	166.5
91	6	14	15	34	165.75
91	6	15	15	12	165.5
91	6	16	6	37	164.5
91	6	16	15	26	164.25
91	6	17	4	10	163.25
91	6	18	2	12	161
91	6	20	16	30	154.25
91	6	21	6	8	154.5
91	6	21	16	47	153.5
91	6	21	22	33	153.25
91	6	22	15	12	152.75
91	6	22	16	25	152.75
91	6	23	17	18	152
91	6	24	18	8	149.75
91	6	25	15	17	147
91	6	25	23	8	144.75
91	6	26	7	20	142.75
91	6	26	18	6	142.25
91	6	27	17	29	140.5

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

Year	Month	Day	Hour	Minutes	Surface Level
91	6	28	19	17	138.75
91	6	29	1	23	139.25
91	6	29	9	55	139.75
91	7	14	8	47	92
91	7	14	23	18	90.5
91	7	15	14	23	86.75
91	7	15	14	39	86.75
91	7	16	13	34	86.75
91	7	17	2	22	87.25
91	7	18	15	11	86.5
91	7	18	17	8	86.25
91	7	19	23	22	88
91	7	20	15	6	87.5
91	7	20	20	59	86.5
91	7	21	15	0	85.25
91	7	21	18	55	85
91	7	22	7	18	84.75
91	7	22	21	21	84.5
91	7	23	7	25	84.5
91	7	23	15	49	84.5
91	7	24	7	24	84.75
91	7	24	15	3	84.25
91	7	24	20	12	84.75
91	7	25	8	37	84.25
91	7	26	7	20	84
91	7	26	14	38	84
91	7	27	7	29	84
91	7	27	14	55	84
91	7	27	17	22	84
91	7	28	7	17	84
91	7	28	14	29	84
91	7	29	2	38	84
91	7	29	21	3	84
91	7	30	23	1	83.75
91	7	31	0	29	83.75
91	7	31	15	19	83.5
91	7	31	22	52	83.75
91	8	2	6	36	83.5
91	8	2	15	20	83.5
91	8	3	6	51	83.25
91	8	3	15	25	83.5
91	8	3	23	18	83.5
91	8	4	7	4	83.25
91	8	4	22	39	83.5
91	8	5	15	6	83.25
91	8	5	18	12	83.25
91	8	6	14	50	83
91	8	6	23	4	83.5

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

Year	Month	Day	Hour	Minutes	Surface Level
91	8	7	17	24	83
91	8	8	17	30	83
91	8	9	7	26	83
91	8	9	17	20	83
91	8	10	1	10	83
91	8	10	10	17	82.75
91	8	10	23	3	83
91	8	11	1	30	83
91	8	11	15	19	82.75
91	8	12	7	8	82.5
91	8	12	13	51	83
91	8	13	5	18	83
91	8	13	11	34	83
91	8	14	2	25	82.5
91	8	14	15	17	83
91	8	14	18	45	83
91	8	14	23	1	82.5
91	8	15	1	51	82.5
91	8	15	14	5	82.5
91	8	15	16	59	82.5
91	8	16	5	21	82.5
91	8	16	14	30	82.5
91	8	16	23	3	82.25
91	8	17	7	9	82.5
91	8	17	14	3	82.5
91	8	17	17	13	82.25
91	8	18	1	21	82.25
91	8	18	14	49	82.25
91	8	18	18	10	82.25
91	8	19	7	14	82.5
91	8	19	14	22	82.25
91	8	19	17	15	82.25
91	8	20	22	38	82.25
91	8	21	9	53	82.25
91	8	21	15	7	82.25
91	8	21	16	44	82.25
91	8	22	7	34	82.25
91	8	22	10	53	82.25
91	8	22	17	15	82.25
91	8	23	7	24	82.25
91	8	23	14	43	82.25
91	8	24	12	24	82.5
91	8	25	8	20	82.25
91	8	25	13	22	82.25
91	8	25	23	16	82.25
91	8	26	1	14	82.25
91	9	2	14	57	82.25
91	9	5	14	57	82.5

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

Year	Month	Day	Hour	Minutes	Surface Level
91	9	9	14	57	82
91	9	16	14	57	82
91	9	23	14	57	83.25
91	9	30	14	57	84.5
91	10	7	7	20	84.5
91	10	14	7	20	81
91	10	15	7	20	81.25
91	10	16	7	20	81.25
91	10	17	7	22	81
91	10	18	7	22	80.75
91	10	19	1	8	80.5
91	10	20	1	8	80.5
91	10	21	1	8	80.5
91	10	22	1	8	80.5
91	10	23	1	8	81
91	10	24	1	8	80.5
91	10	25	1	8	81
91	10	26	1	8	80.5
91	10	27	1	8	80.5
91	10	28	1	8	80.5
91	10	29	1	34	80.5
91	10	30	7	25	80.5
91	11	1	7	26	80.5
91	11	2	7	13	80.25
91	11	3	6	56	80.5
91	11	4	3	17	80.5
91	11	5	2	37	80.5
91	11	6	5	12	80.5
91	11	7	1	10	80.5
91	11	8	1	48	80.5
91	11	13	6	43	80.25
91	11	14	1	15	80.25
91	11	15	6	13	80.25
91	11	25	6	53	80
91	11	26	6	28	80
91	12	2	6	43	79.75
91	12	5	6	43	80
91	12	9	6	43	80
91	12	16	6	43	80
91	12	23	6	43	79.75
92	1	6	15	15	80
92	1	13	15	15	78.5
92	1	20	15	15	78
92	1	27	15	15	79.5
92	1	28	15	15	79
92	2	25	15	15	78.25
92	3	4	8	37	78.12
92	3	11	8	23	78.5

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

Year	Month	Day	Hour	Minutes	Surface Level
92	3	16	16	33	77.25
92	3	23	15	29	79.5
92	3	30	15	33	77.25
92	4	6	17	57	78
92	4	13	15	39	77
92	4	20	16	26	79.5
92	4	27	22	5	77
92	4	28	6	8	77
92	5	6	7	52	79
92	5	11	15	27	79.5
92	5	20	8	15	77
92	5	25	15	27	79.5
92	6	1	15	28	79
92	6	8	15	25	77
92	6	15	15	13	79.5
92	6	24	8	32	79
92	7	6	16	47	79
92	7	13	15	21	79.5
92	7	21	15	19	79.5
92	7	28	14	31	78.5
92	8	3	17	27	77.75
92	8	12	8	33	77
92	8	17	15	30	77
92	8	24	15	2	77
92	9	1	15	25	76
92	9	8	23	5	76.5
92	9	23	14	20	76.25
92	9	28	14	43	76
92	10	5	14	20	76.25
92	10	21	7	51	76.75
92	10	26	19	18	77
92	11	2	15	20	76.75
92	11	16	19	44	77
92	11	25	7	57	77
92	12	1	14	43	77
92	12	9	15	46	77
92	12	14	14	4	77.25
92	12	22	20	48	75.25
92	12	28	22	13	78.5
93	1	13	15	2	78
93	1	18	20	43	78.25
93	1	25	22	57	78.75
93	2	2	15	58	78.25
93	2	10	9	55	79.75
93	2	17	15	17	79.5
93	2	24	14	19	79.5
93	3	1	17	22	79
93	3	10	8	36	79

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

Year	Month	Day	Hour	Minutes	Surface Level
93	3	15	17	24	79.25
93	3	24	9	49	79
93	3	29	14	18	79
93	4	7	8	4	79.5
93	4	12	15	15	79.5
93	4	19	13	43	79.25
93	4	26	19	2	79.75
93	5	11	15	14	80
93	5	17	14	58	79.75
93	5	24	14	14	79.75
93	6	1	14	48	80.5
93	6	7	17	0	80.25
93	6	14	14	51	80
93	7	6	11	2	80.5
93	7	12	22	7	80.5
93	7	19	14	40	80
93	7	26	15	1	80.5
93	8	2	14	39	80.25
93	8	9	14	56	80.5
93	8	11	13	44	80.5
93	8	12	13	32	80.5
93	8	13	14	6	80.5
93	8	14	15	18	80.5
93	8	15	17	4	80.5
93	8	17	13	51	80.5
93	8	18	14	47	80.5
93	8	19	14	20	80.5
93	8	20	11	18	80.25
93	8	21	13	37	80.5
93	8	22	14	21	80.5
93	8	23	12	28	80.75
93	8	24	15	50	80.75
93	8	25	17	5	80.5
93	8	26	15	50	80.5
93	8	27	18	40	80.5
93	8	28	15	27	80.5
93	9	29	16	38	81
93	9	30	21	35	81
93	10	1	20	50	81
93	10	1	20	56	81
93	10	2	22	58	81
93	10	4	23	24	81
93	10	5	13	46	81.25
93	10	6	19	5	81
93	10	8	20	30	81
93	10	9	21	15	81
93	10	10	22	18	81
93	10	12	0	19	81.25

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

Year	Month	Day	Hour	Minutes	Surface Level
93	10	13	21	54	81
93	10	14	17	39	81.25
93	10	15	20	3	81.25
93	10	16	20	14	81
93	10	17	20	55	81
93	10	18	21	13	81
93	10	19	21	19	81
93	10	20	21	44	81
93	10	21	21	52	81
93	10	22	20	36	81
93	10	23	20	54	81
93	10	26	21	32	80.5
93	10	27	21	20	81
93	10	28	15	22	81
93	10	30	14	23	80.5
93	11	1	15	44	81
93	11	3	16	58	81.25
93	11	4	17	35	81
93	11	5	14	31	81
93	11	6	14	15	81
93	11	7	13	57	81
93	11	8	14	38	81
93	11	9	14	51	81
93	11	10	14	33	81
93	11	11	15	39	81.25
93	11	13	15	2	81.25
93	11	14	14	32	81
93	11	15	15	4	81

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

Surface Level Data					
Manual Tape					
Year	Month	Day	Hour	Minutes	Surface Level
91	1	2	8	11	151.75
91	1	7	14	33	151.75
91	1	14	15	11	151.5
91	1	19	8	11	151.5
91	1	21	1	31	151
91	1	28	15	8	151.25
91	2	4	15	28	151.25
91	2	12	16	39	151.25
91	2	18	18	25	151.5
91	2	25	15	12	151.5
91	3	4	14	56	151.5
91	3	11	16	42	151.5
91	3	13	15	27	152
91	3	18	17	25	151.5
91	3	25	15	1	151.5
91	4	1	15	24	151.5
91	4	8	17	53	151.5
91	4	15	15	23	151
91	4	22	15	3	151.5
91	4	29	17	17	151.25
91	5	7	13	24	151.5
91	5	13	14	54	151.5
91	5	20	14	57	151.25
91	5	27	14	41	151.25
91	6	3	14	56	151.25
91	6	10	14	55	151
91	6	17	15	8	151.25
91	6	24	18	8	151.5
91	7	1	14	23	151
91	7	8	14	23	151.25
91	7	15	14	23	151.25
91	7	22	21	50	151.5
91	7	31	8	15	151.25
91	8	5	18	12	151.25
91	8	12	15	17	151.25
91	8	19	14	58	151
91	8	26	14	58	151
91	9	2	14	58	151
91	9	9	14	58	151.25
91	9	16	14	58	150.5
91	9	23	14	57	151.25
91	9	30	14	58	151.25
91	10	7	14	57	151.25
91	10	14	14	57	151
91	10	21	14	57	151
91	10	28	14	57	150.75

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

Year	Month	Day	Hour	Minutes	Surface Level
91	11	4	14	57	151
91	11	11	14	57	151
91	11	18	14	57	151
91	11	25	14	57	151
91	12	2	14	57	150.75
91	12	9	14	57	150.75
91	12	16	14	57	150.75
91	12	23	14	57	151
91	12	30	14	57	150.75
92	1	6	14	57	150.25
92	1	13	14	57	150.75
92	1	20	14	57	151.75
92	1	27	14	57	151.5
92	2	25	15	15	151
92	3	4	8	37	150.25
92	3	11	8	23	150.5
92	3	17	15	18	150.25
92	3	23	15	29	150.5
92	3	30	15	33	150
92	4	6	17	57	150.75
92	4	13	15	39	150.25
92	4	20	16	26	150.5
92	4	28	6	8	150.25
92	5	6	7	52	150
92	5	11	15	27	150.5
92	5	20	8	15	150.5
92	5	25	15	27	150.25
92	6	1	15	28	150.25
92	6	8	15	25	150.25
92	6	15	15	13	150.5
92	6	24	8	32	150
92	7	6	16	47	150.25
92	7	13	15	21	150.25
92	7	21	15	19	150.5
92	7	28	14	31	151
92	8	3	17	27	150.5
92	8	12	8	33	150.25
92	8	17	15	30	150.25
92	8	24	15	2	150
92	9	1	15	25	150
92	9	8	23	5	150.25
92	9	23	14	20	150.25
92	9	28	14	43	150.25
92	10	6	6	53	150.25
92	10	12	6	53	150.25
92	10	21	7	51	150
92	10	26	15	40	150
92	11	2	15	20	150.25

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

Year	Month	Day	Hour	Minutes	Surface Level
92	11	16	19	44	150
92	11	25	7	57	150
92	12	1	14	43	150
92	12	7	17	40	150
92	12	14	14	4	149.5
92	12	22	20	48	150.5
92	12	28	22	13	150.25
93	1	13	15	2	149.25
93	1	18	20	43	149.75
93	1	25	22	57	149.75
93	2	3	2	28	150
93	2	10	9	55	150.5
93	2	17	15	17	149
93	2	24	14	19	149
93	3	1	17	22	150
93	3	10	8	36	149.5
93	3	15	17	24	149.5
93	3	24	9	49	149
93	3	29	14	18	149
93	4	7	8	4	149.25
93	4	12	15	15	149.5
93	4	19	13	43	149.5
93	4	26	19	2	149
93	5	11	15	14	149
93	5	17	14	58	149
93	5	24	14	14	149
93	6	1	14	48	149
93	6	7	17	0	149
93	6	14	14	51	148.75
93	7	6	11	2	148.75
93	7	12	22	7	148.75
93	7	19	14	40	148.75
93	7	26	15	1	147.75
93	8	2	14	39	149.25
93	8	9	14	56	148.75
93	8	24	15	50	148.5
93	8	30	17	1	148
93	10	4	23	24	148.25
93	10	12	19	6	148.25
93	10	18	21	13	148
93	11	1	15	44	147.75
93	11	8	14	38	148

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

Surface Level Data					
Manual Tape					
Year	Month	Day	Hour	Minutes	Surface Level
91	1	2	15	25	131.25
91	1	19	15	25	131.25
91	2	5	8	20	131.75
91	3	4	14	56	131.75
91	3	12	10	0	131
91	4	1	15	24	131
91	5	7	13	24	131.25
91	6	3	14	56	131
91	7	1	10	0	130
91	8	1	10	0	129.75
91	8	5	18	12	129.5
91	9	2	15	25	129.5
91	10	1	10	0	129.75
92	2	25	15	15	128.5
92	4	1	14	57	125.25
92	5	6	7	52	128.75
92	11	20	7	57	126.5
92	11	23	7	57	126.5
92	12	1	14	43	128.5
92	12	21	14	43	128.25
93	1	1	2	28	128.5
93	2	3	2	28	127
93	3	1	17	22	127.5
93	4	8	0	44	128
93	6	1	14	48	128
93	7	1	14	49	128
93	8	2	14	39	127.5
93	10	1	20	56	*80.5
93	10	1	21	30	128.5
93	11	1	15	44	*134
93	11	1	18	23	128.59

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

*Inaccurate Data

Surface Level Data					
Manual Tape					
Year	Month	Day	Hour	Minutes	Surface Level
91	1	2	8	11	181.25
91	1	7	14	33	181.75
91	1	14	15	11	181.25
91	1	19	8	11	181.25
91	1	21	1	31	181
91	1	28	15	8	181
91	2	4	15	28	181
91	2	12	16	39	181
91	2	18	18	25	181
91	2	26	7	11	181.25
91	3	4	14	56	181.25
91	3	11	16	42	181.5
91	3	18	17	25	181.5
91	3	25	15	1	181.25
91	4	5	8	33	181
91	4	8	17	53	181
91	4	15	15	23	181
91	4	22	15	3	181.25
91	4	29	17	17	181
91	5	7	13	24	181
91	5	13	14	54	181
91	5	20	21	51	181
91	5	27	14	41	181
91	6	3	14	56	181
91	6	10	14	55	181
91	6	17	15	8	181
91	6	24	18	8	181
91	7	1	21	50	181
91	7	8	21	50	181
91	7	15	14	23	181.25
91	7	22	21	50	181
91	7	31	0	29	181
91	8	5	18	12	180.5
91	8	12	15	17	180.5
91	8	19	14	58	180.5
91	8	26	14	58	180.75
91	9	2	14	57	180.75
91	9	9	14	57	180.5
91	9	16	14	57	180.75
91	9	23	14	57	180.5
91	10	7	14	57	180.5
91	10	14	14	57	180.5
91	10	21	14	57	180.5
91	10	28	14	57	180.5
91	11	4	14	57	180.5
91	11	11	14	57	180.25

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

Year	Month	Day	Hour	Minutes	Surface Level
91	11	18	14	57	180.25
91	11	25	14	57	180.25
91	12	2	14	57	179.75
91	12	9	14	57	179.75
91	12	16	14	57	179.5
91	12	23	14	57	180.5
91	12	30	14	57	179.5
92	1	6	14	57	179.25
92	1	13	14	57	179
92	1	21	14	57	179.5
92	1	27	14	57	179
92	2	25	15	15	178
92	3	4	8	37	177.75
92	3	11	8	23	177.75
92	3	16	16	33	177.75
92	3	23	15	29	177.5
92	3	30	15	33	177.75
92	4	6	17	57	177.75
92	4	13	15	39	177.25
92	4	20	16	26	177
92	4	27	22	5	177.25
92	5	6	7	52	177
92	5	11	15	27	177
92	5	20	8	15	177
92	5	25	15	27	177
92	6	1	15	28	177
92	6	8	15	25	177
92	6	17	8	1	177
92	6	24	8	32	177
92	7	6	16	47	177.5
92	7	13	15	21	177
92	7	21	15	19	177
92	7	28	14	31	177
92	8	3	17	27	177
92	8	12	8	33	177
92	8	17	15	30	177
92	8	24	15	2	177
92	9	1	15	25	176.75
92	9	8	23	5	176.75
92	9	23	14	20	176.75
92	9	28	14	43	177
92	10	6	6	53	177
92	10	21	7	51	177
92	11	2	15	20	176.75
92	11	16	19	44	176.75
92	11	25	7	57	176.75
92	12	1	14	43	176.75
92	12	7	17	40	175.25

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

Year	Month	Day	Hour	Minutes	Surface Level
92	12	14	14	4	176
92	12	22	20	48	176
92	12	28	22	13	176
93	1	12	10	37	175.5
93	1	14	0	37	175.5
93	1	18	20	43	175.5
93	1	25	22	57	174.25
93	2	2	15	58	174.25
93	2	10	9	55	174
93	2	17	15	17	175
93	2	24	14	19	175
93	3	1	17	22	174.25
93	3	10	8	36	174.25
93	3	15	17	24	174.25
93	3	24	9	49	174
93	3	29	14	18	174.25
93	4	7	8	4	173.5
93	4	12	15	15	174
93	4	19	13	43	174
93	4	26	19	2	174
93	5	11	15	14	174
93	5	17	14	58	174
93	5	24	14	14	174
93	6	1	14	48	174
93	6	7	17	0	173.75
93	6	14	14	51	174
93	6	28	14	33	173.75
93	7	6	11	2	173.5
93	7	12	15	14	173.5
93	7	19	14	40	173.5
93	7	26	15	1	173.25
93	8	2	14	39	173
93	8	9	14	56	173
93	8	24	15	50	173.25
93	8	30	17	1	173.5
93	10	4	23	24	173.25
93	10	12	19	6	173.25
93	10	18	21	13	173
93	11	1	15	44	173
93	11	8	14	38	172.75

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

Surface Level Data					
Manual Tape					
Year	Month	Day	Hour	Minutes	Surface Level
91	1	2	8	11	242.5
91	1	7	14	33	242.5
91	1	14	15	11	242.75
91	1	19	8	11	242.75
91	1	21	1	31	242.75
91	1	28	15	8	243
91	1	28	15	12	243
91	2	4	15	28	243
91	2	12	16	39	243
91	2	18	18	25	242.75
91	2	27	7	33	242.75
91	3	4	14	56	242.75
91	3	11	16	42	243
91	3	18	17	25	243
91	3	25	15	1	243.25
91	4	1	15	24	243
91	4	8	17	53	243
91	4	15	15	23	243
91	4	22	15	3	243
91	4	29	17	17	243
91	5	7	13	24	243
91	5	13	14	54	243
91	5	20	14	57	243
91	5	27	14	41	242.75
91	6	3	14	56	242.75
91	6	10	14	55	243
91	6	17	15	8	243
91	6	24	18	8	243
91	7	1	21	50	243
91	7	8	21	50	243
91	7	16	14	59	243.25
91	7	22	21	50	243
91	7	31	8	15	243
91	8	5	18	12	243
91	8	12	15	17	243
91	8	19	14	58	243.25
91	8	26	14	58	243.25
91	9	2	14	58	243.5
91	9	9	14	58	243.25
91	9	16	14	58	243.25
91	9	23	14	57	243
91	9	30	14	58	243
91	10	7	14	58	243
91	10	14	14	58	243
91	10	21	14	58	243.25
91	10	28	14	58	243

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

Year	Month	Day	Hour	Minutes	Surface Level
91	11	4	14	58	243
91	11	11	14	58	243.25
91	11	18	14	58	243.5
91	11	25	14	58	243.25
91	12	2	14	58	243.25
91	12	10	14	58	243
91	12	16	14	58	243
91	12	23	14	58	243.25
91	12	30	14	58	243.5
92	1	6	14	58	243.25
92	1	13	14	58	243.25
92	1	20	14	58	243
92	1	27	14	58	243.25
92	2	25	15	15	243.25
92	3	4	8	37	243
92	3	11	8	23	243.25
92	3	16	16	33	243.5
92	3	23	15	29	243.5
92	3	30	15	33	243
92	4	6	17	57	243.5
92	4	13	15	39	243.5
92	4	20	16	26	243.25
92	4	27	22	5	243
92	5	6	7	52	243
92	5	11	15	27	243.5
92	5	20	8	15	243.5
92	5	25	15	27	243.5
92	6	1	15	28	243.5
92	6	8	15	25	243.5
92	6	15	15	13	243.5
92	6	24	8	32	243
92	7	6	16	47	243.25
92	7	13	15	21	243.75
92	7	21	15	19	244
92	7	28	14	31	243.75
92	8	3	17	27	243.75
92	8	12	8	33	243.75
92	8	17	15	30	243.75
92	8	24	15	2	243.5
92	9	1	15	25	244
92	9	8	23	5	244
92	9	23	14	20	243.5
92	9	28	14	43	243.25
92	9	28	16	38	243.25
92	10	6	6	53	243.5
92	10	21	7	51	244
92	11	2	15	20	243.75
92	11	16	19	44	243.5

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

Year	Month	Day	Hour	Minutes	Surface Level
92	11	25	7	57	243.5
92	12	1	14	43	243.25
92	12	7	17	40	244
92	12	14	14	4	243.75
92	12	22	20	48	243.25
92	12	28	22	13	244.25
93	1	13	15	2	243
93	1	18	20	43	243.25
93	1	25	22	57	242.75
93	2	3	2	28	244
93	2	10	9	55	243.25
93	2	17	15	17	243
93	2	24	14	19	243
93	3	1	17	22	243.5
93	3	10	8	36	243.75
93	3	15	17	24	243.75
93	3	29	14	18	243.25
93	4	7	8	4	243.5
93	4	12	15	15	243.5
93	4	19	13	43	243.5
93	4	26	19	2	243.5
93	5	11	15	14	243
93	5	17	14	58	243.25
93	5	24	14	14	243.5
93	6	1	14	48	243.5
93	6	7	17	0	244
93	6	14	14	51	243.25
93	7	6	11	2	243.5
93	7	12	15	14	243.5
93	7	19	14	40	243.5
93	7	26	15	1	243.5
93	8	2	14	39	243.75
93	8	9	14	56	244
93	8	24	15	50	244
93	10	4	23	24	244
93	10	12	19	6	244
93	10	18	21	13	244
93	10	26	21	32	243.75
93	11	1	15	44	243.75
93	11	8	14	38	243.75

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

Surface Level Data					
Manual Tape					
Year	Month	Day	Hour	Minutes	Surface Level
91	1	2	15	25	103
91	4	1	15	24	103.75
91	7	1	15	24	104
91	10	1	15	24	103
92	1	1	14	57	103.5
92	4	1	14	57	103
92	7	2	15	33	103.75
92	10	6	6	53	104
93	1	4	10	0	104
93	4	8	0	44	104
93	7	1	14	49	103
93	10	1	20	56	104

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

Surface Level Data					
Manual Tape					
Year	Month	Day	Hour	Minutes	Surface Level
91	1	2	15	25	88
91	2	5	8	20	87.75
91	3	5	4	23	87.5
91	4	1	15	24	87.5
91	5	7	13	24	87.5
91	6	3	14	56	87
91	7	1	14	56	87.5
91	8	1	14	51	88
91	9	2	14	51	88.25
91	10	1	14	51	87.5
91	11	4	14	51	87.5
91	12	2	14	51	87.5
92	1	1	15	15	87.5
92	2	25	15	15	87.5
92	3	4	8	37	86
92	4	1	14	57	87.5
92	5	6	7	52	87.5
92	6	1	15	28	87.5
92	7	2	15	33	88
92	8	3	17	27	87.75
92	9	1	15	25	87.5
92	10	6	6	53	87.5
92	11	2	15	20	87.5
92	12	1	14	43	87.5
93	2	3	2	28	88.5
93	3	1	10	0	88.5
93	3	1	17	22	88.5
93	4	8	0	44	87.5
93	6	1	14	48	87.5
93	7	1	14	49	87.5
93	8	2	14	39	88
93	10	1	20	56	88
93	11	1	15	44	88

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

Surface Level Data					
FIC					
Year	Month	Day	Hour	Minutes	Surface Level
91	1	1	7	3	180.5
91	1	3	7	3	180.4
91	1	5	7	2	180.4
91	1	7	7	2	180.5
91	1	8	7	3	180.5
91	1	9	7	2	180.5
91	1	10	7	2	180.5
91	1	11	7	3	180.5
91	1	12	6	2	180.6
91	1	13	7	3	180.6
91	1	14	7	4	180.5
91	1	15	7	3	180.6
91	1	16	7	4	180.4
91	1	17	7	4	180.4
91	1	18	7	4	180.5
91	1	22	7	4	180.4
91	1	23	7	4	180.5
91	1	24	7	4	180.5
91	1	25	7	3	180.4
91	1	26	7	3	180.4
91	1	27	7	3	180.5
91	1	28	7	10	180.6
91	1	29	7	2	180.5
91	1	30	7	10	180.5
91	1	31	7	2	180.5
91	2	1	7	2	180.6
91	2	2	7	4	180.6
91	2	3	7	3	180.5
91	2	4	7	3	180.5
91	6	16	7	5	180.8
91	6	17	7	5	180.5
91	6	18	7	5	180.4
91	6	19	7	5	180.1
91	6	20	7	5	179.8
91	6	21	7	6	179.7
91	6	22	7	5	179.4
91	6	23	7	5	179.1
91	6	24	7	5	179
91	6	25	7	6	178.4
91	6	26	7	3	177.8
91	7	16	7	6	168.6
91	7	17	7	5	168.2
91	7	18	7	5	168
91	7	19	7	5	167.8
91	7	20	7	5	167.4
91	7	21	7	5	167

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

*Inaccurate Data

Year	Month	Day	Hour	Minutes	Surface Level
91	7	22	7	5	166.6
91	7	23	7	5	166.3
91	7	24	6	5	166.1
91	7	25	7	1	165.8
91	7	26	7	2	165.3
91	7	27	7	2	164.9
91	7	28	7	2	164.5
91	7	29	7	2	164.1
91	7	30	7	2	163.6
91	7	31	7	2	163
92	5	11	10	3	139.8
92	5	18	10	3	139.8
92	5	25	10	3	139.8
92	6	1	10	3	139.8
92	6	8	10	3	139.8
92	6	15	10	3	139.9
92	6	22	10	3	139.9
92	6	29	10	3	139.9
92	7	11	7	6	139.3
92	7	12	7	6	139.1
92	7	13	7	6	139
92	7	14	7	6	138.9
92	7	15	7	6	138.9
92	7	16	7	6	138.8
92	7	17	7	6	138.8
92	7	18	7	6	138.8
92	7	19	7	6	138.8
92	7	20	6	6	138.8
92	7	21	10	3	138.8
92	7	25	4	6	138.8
92	7	27	10	3	138.8
92	8	3	10	3	138.8
92	8	26	7	3	138.7
92	8	27	7	4	138.7
92	8	28	7	2	138.8
92	8	29	7	2	138.8
92	8	30	7	2	138.8
92	8	31	7	2	138.8
92	9	1	7	2	138.8
92	9	2	7	2	138.8
92	9	9	6	3	138.7
92	9	10	7	3	138.8
92	9	17	7	6	138.8
92	9	18	7	6	138.8
92	9	21	7	6	138.8
92	9	22	7	3	138.8
92	9	23	7	3	138.9
92	9	24	7	3	139

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

*Inaccurate Data

Year	Month	Day	Hour	Minutes	Surface Level
92	9	25	7	3	138.8
92	9	26	7	2	138.7
92	9	27	7	2	138.7
92	9	28	7	2	138.7
92	9	29	7	3	138.7
92	9	30	7	2	138.8
92	10	1	7	3	138.9
92	10	2	7	2	138.8
92	10	3	7	3	138.8
92	10	4	7	3	138.7
92	10	5	7	3	138.7
92	10	6	7	3	138.7
92	10	8	7	2	138.8
92	10	9	7	3	138.7
92	10	10	7	3	138.7
92	10	11	7	3	138.7
92	10	14	7	3	138.7
92	10	15	7	4	138.7
92	10	16	7	3	138.7
92	10	17	7	3	138.7
92	10	18	7	3	138.8
92	10	19	7	3	138.8
92	10	26	7	4	138.9
92	11	2	7	3	138.9
92	11	10	7	3	139
92	11	20	7	3	138.8
92	12	4	7	3	138.6
92	12	7	7	3	138.5
92	12	14	7	3	138.7
92	12	21	7	4	138.3
92	12	23	7	4	138.2
92	12	28	7	3	138.1
93	1	4	7	6	137.6
93	1	13	10	6	137.9
93	1	21	10	2	137.8
93	1	25	10	3	137.9
93	2	1	10	4	137.9
93	2	2	10	4	137.9
93	2	10	7	4	137.6
93	2	16	10	2	137.4
93	2	22	10	4	137.2
93	3	1	10	3	137.1
93	4	13	14	6	140.15
93	4	13	15	4	140.15
93	4	14	15	4	140.15
93	4	15	15	4	140.15
93	4	16	15	4	140.1
93	4	19	15	4	140

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

*Inaccurate Data

Year	Month	Day	Hour	Minutes	Surface Level
93	4	26	15	4	139.6
93	4	28	15	4	139
93	5	19	7	3	139.7
93	5	20	7	3	139.9
93	5	22	7	3	*100.4
93	5	23	7	4	*100.4
93	5	24	7	3	*100.3
93	5	25	7	3	*100.4
93	5	26	7	3	*100.4
93	5	27	7	3	*100.4
93	5	28	7	3	*100.4
93	5	29	7	5	*100.2
93	5	30	7	5	*100.2
93	5	31	7	6	*100.3
93	6	1	7	6	*100.3
93	6	2	7	6	*100.2
93	6	3	7	6	*100.2
93	6	4	7	6	*100.3
93	6	5	7	6	*100.4
93	6	6	7	5	*100.4
93	6	7	7	5	*100.3
93	6	8	7	5	*100.2
93	6	9	7	5	*100.1
93	6	10	7	4	*100.1
93	6	11	7	5	*100
93	6	12	7	5	139.9
93	6	13	7	4	139.7
93	6	14	7	5	139.7
93	6	15	7	5	139.7
93	6	16	7	5	139.7
93	6	17	7	5	139.5
93	6	18	7	6	139.5
93	6	25	7	3	139.3
93	6	26	7	3	139.6
93	6	27	7	4	139.8
93	6	28	7	3	139.8
93	6	29	7	4	139.8
93	6	30	7	3	139.7
93	7	1	7	6	139.7
93	7	2	7	6	139.8
93	7	3	7	3	139.9
93	7	4	7	4	139.9
93	7	5	7	3	139.9
93	7	6	7	3	139.8
93	7	7	7	4	139.8
93	7	8	7	4	139.8
93	7	9	7	5	139.9
93	7	10	7	3	139.9

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

*Inaccurate Data

Year	Month	Day	Hour	Minutes	Surface Level
93	7	11	7	3	139.8
93	7	12	7	2	139.7
93	7	13	7	3	139.7
93	7	14	7	6	139.7
93	7	15	7	6	139.6
93	7	16	7	6	139.6
93	7	17	7	7	*100.7
93	7	18	7	6	*100.8
93	7	19	7	3	*100.7
93	7	20	7	3	*100.7
93	7	21	7	3	*100.7
93	7	22	7	3	*100.7
93	7	23	7	3	*100.7
93	7	24	7	3	*100.7
93	7	26	7	3	*100.7
93	7	27	7	3	*100.7
93	7	28	7	4	*100.8
93	7	29	7	3	*100.8
93	7	30	7	3	*100.7
93	7	31	7	3	*100.6
93	8	1	7	3	*100.6
93	8	2	7	6	*100.7
93	8	3	7	3	*100.7
93	8	4	7	3	*100.8
93	8	5	7	4	*100.8
93	8	7	7	4	*100.9
93	8	8	6	4	*100.9
93	8	9	7	4	*100.8
93	8	10	7	4	*100.8
93	8	11	7	4	*100.8
93	8	12	7	4	*100.8
93	8	13	7	4	*100.8
93	8	14	7	3	*100.8
93	8	15	7	4	*100.9
93	8	16	7	4	*100.9
93	8	17	7	4	*100.9
93	8	18	7	3	*100.8
93	8	19	7	4	*100.9
93	8	20	7	4	*100.9
93	8	21	7	4	*100.9
93	8	22	7	4	*100.8
93	8	23	6	3	*100.9
93	8	24	7	4	*100.8
93	8	25	7	4	*100.7
93	8	26	7	4	*100.7
93	8	27	7	5	*100.7
93	8	28	7	4	*100.7
93	8	29	7	3	*100.7

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

*Inaccurate Data

Year	Month	Day	Hour	Minutes	Surface Level
93	8	30	7	4	*100.6
93	8	31	7	4	*100.8
93	9	1	7	4	*100.8
93	9	30	7	3	*100.8
93	10	1	7	6	*100.7
93	10	2	7	5	*100.6
93	10	3	7	6	*100.6
93	10	4	7	6	*100.8
93	10	5	7	6	*100.9
93	10	6	7	6	*100.9
93	10	7	7	5	*100.7
93	10	8	7	4	*100.6
93	10	9	7	3	*100.6
93	10	10	7	10	*100.7
93	10	11	7	3	*100.8
93	10	12	7	4	*100.7
93	10	13	7	3	*100.7
93	10	14	7	4	*100.8
93	10	15	7	4	*100.9
93	10	16	7	4	*100.8
93	10	17	7	3	*100.8
93	10	18	7	4	*100.8
93	10	19	7	4	*100.7
93	10	20	7	3	*100.6
93	10	21	7	4	*100.7
93	10	22	7	4	*100.7
93	10	23	7	4	*100.8
93	10	24	7	4	*100.7
93	10	26	7	10	*100.4
93	10	27	7	4	*100.4
93	10	28	7	4	*100.8
93	10	29	7	10	*100.6
93	10	30	7	4	*100.6
93	10	31	7	6	*100.8
93	11	1	7	6	*100.6
93	11	3	7	6	*100.8
93	11	5	7	6	*100.5
93	11	6	7	6	*100.9
93	11	7	7	6	*100.9
93	11	8	7	6	*100.9
93	11	9	7	3	*100.9
93	11	10	7	4	*100.9
93	11	11	7	4	*101
93	11	12	7	4	*100.9
93	11	16	7	3	140.8

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

*Inaccurate Data

Surface Level Data					
Manual Tape					
Year	Month	Day	Hour	Minutes	Surface Level
91	1	2	15	25	108
91	2	5	8	20	108
91	3	4	14	56	108
91	4	1	15	24	108
91	5	7	13	24	151.75
91	6	3	14	56	151
91	7	1	14	56	152
91	8	1	18	12	99.5
91	8	5	18	12	99.75
91	9	2	18	12	99.75
91	10	1	18	12	99.75
91	11	4	18	12	100
91	12	2	18	12	100.25
91	12	23	18	12	100.5
92	1	1	10	0	100.75
92	2	25	15	15	100
92	3	4	8	37	100
92	4	1	14	57	100
92	5	6	7	52	98.5
92	6	1	15	28	98.5
92	7	2	15	33	97.75
92	8	3	17	27	98.5
92	9	1	15	25	98.25
92	10	6	6	53	98.25
92	11	2	15	20	98.5
92	12	1	14	43	98.5
93	2	3	2	28	98
93	3	1	10	0	98.5
93	3	1	17	22	98.5
93	4	8	0	44	98.5
93	6	1	14	48	98.5
93	7	1	14	49	98.5
93	8	2	14	39	148
93	10	1	20	56	99
93	11	1	15	44	99

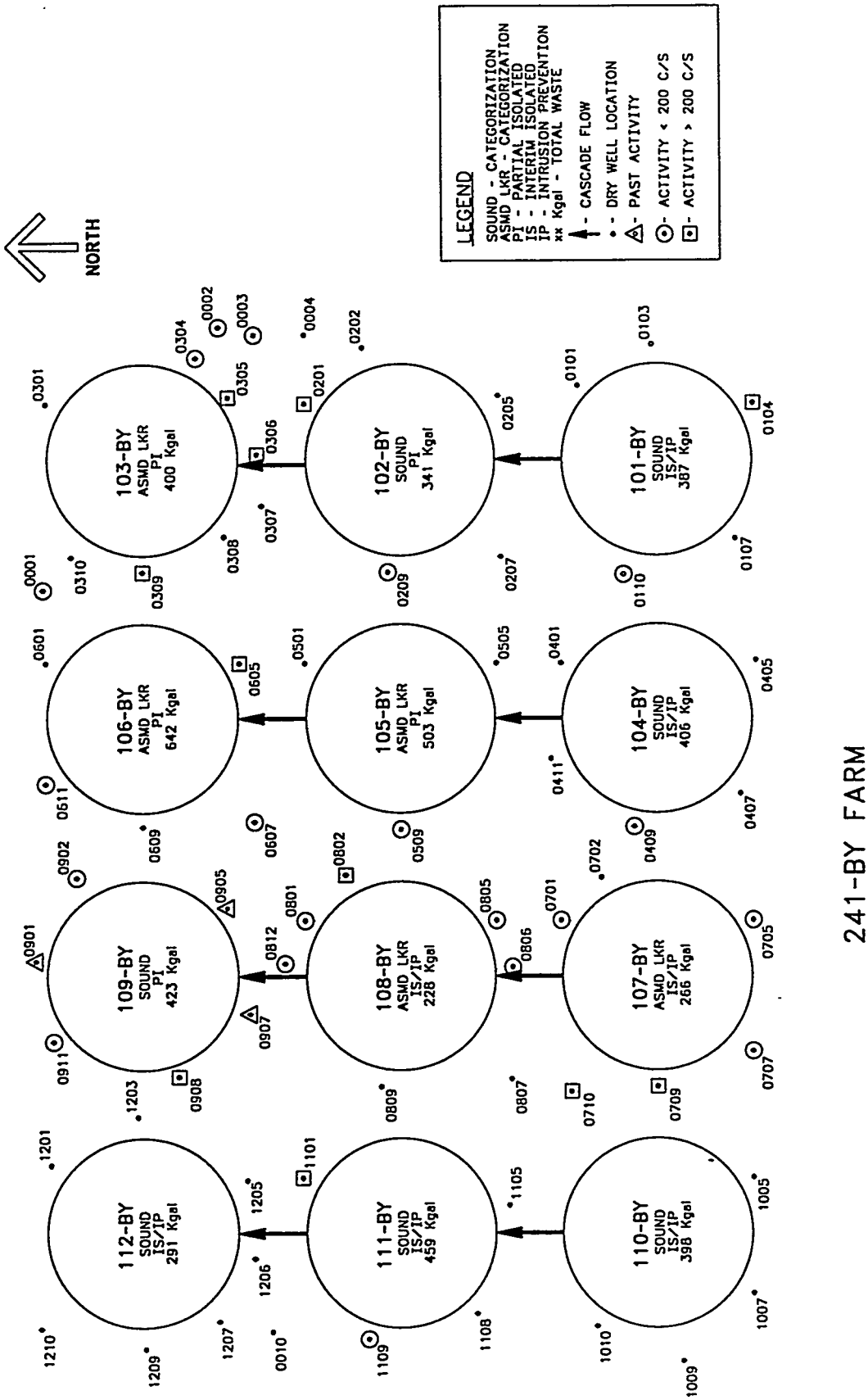
Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

Surface Level Data					
Manual Tape					
Year	Month	Day	Hour	Minutes	Surface Level
91	1	2	15	25	163.5
91	2	5	8	20	163.5
91	3	4	14	56	163.75
91	4	1	15	24	163
91	5	7	13	24	163
91	6	3	14	56	163
91	7	1	10	0	163
91	8	5	18	12	163
91	9	2	10	12	163
91	10	1	10	12	163
91	11	4	10	12	163.25
91	12	2	10	12	163.25
92	1	1	17	27	163.25
92	2	25	15	15	163
92	3	2	8	37	163
92	3	30	8	37	163
92	4	1	14	57	163
92	5	6	7	52	163
92	6	1	15	28	163
92	7	2	15	33	163
92	8	3	17	27	163.25
92	9	1	15	25	163.5
92	10	6	6	53	163
92	11	2	15	20	163
92	12	1	14	43	163
93	2	3	2	28	163
93	3	1	10	0	163
93	3	1	17	22	163
93	4	8	0	44	163.25
93	6	1	14	48	163
93	7	1	14	49	163
93	8	2	14	39	162.75
93	10	1	20	56	163
93	11	1	15	44	163

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

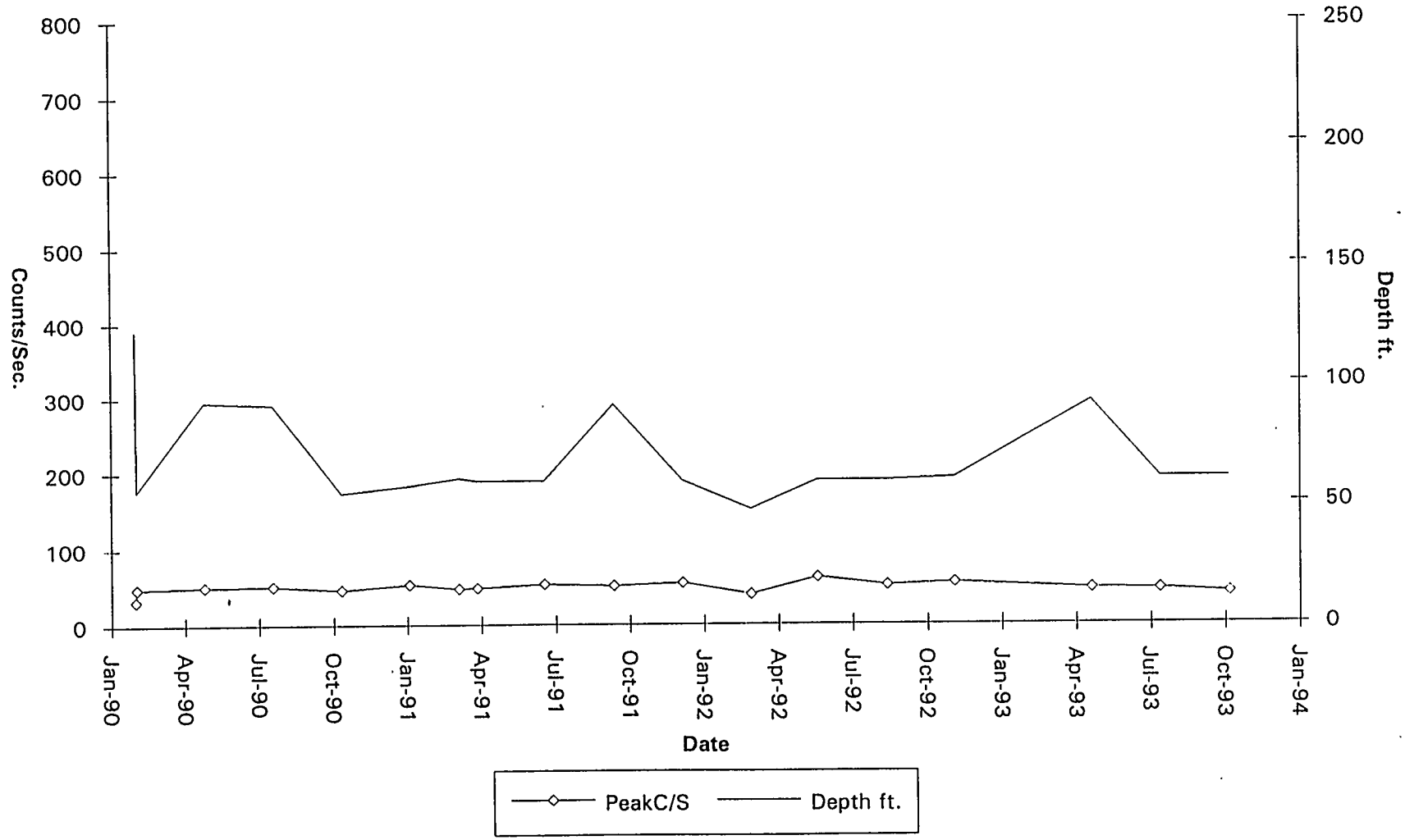
Surface Level Data					
Manual Tape					
Year	Month	Day	Hour	Minutes	Surface Level
91	1	2	15	25	113
91	1	19	15	25	113
91	2	5	8	20	113
91	3	4	14	56	113
91	4	1	15	24	114
91	4	2	10	0	112.75
91	5	7	13	24	113.5
91	6	3	14	56	113
91	8	6	20	17	113
91	9	2	10	0	113
91	10	1	10	0	113
91	11	4	10	0	113.25
91	12	2	10	0	113.25
91	12	23	10	0	113.25
92	1	1	10	0	113.25
92	2	25	15	15	113.25
92	3	4	8	37	114.25
92	3	30	10	0	113
92	4	1	14	57	113
92	5	6	7	52	112.75
92	6	1	15	28	113
92	7	2	15	33	113
92	8	3	17	27	113.25
92	9	1	15	25	113
92	10	6	6	53	114.25
92	11	2	15	20	113
92	12	1	14	43	113
93	2	3	2	28	113
93	3	1	10	0	113.5
93	3	1	17	22	113.5
93	4	8	0	44	113.5
93	6	1	14	48	113.25
93	7	1	14	49	113.25
93	8	2	14	39	113
93	10	1	20	56	113
93	10	22	20	42	113
93	11	1	15	44	113.5

Data obtained from WHC Surveillance Analysis Computer System (SACS), November 16, 1993.

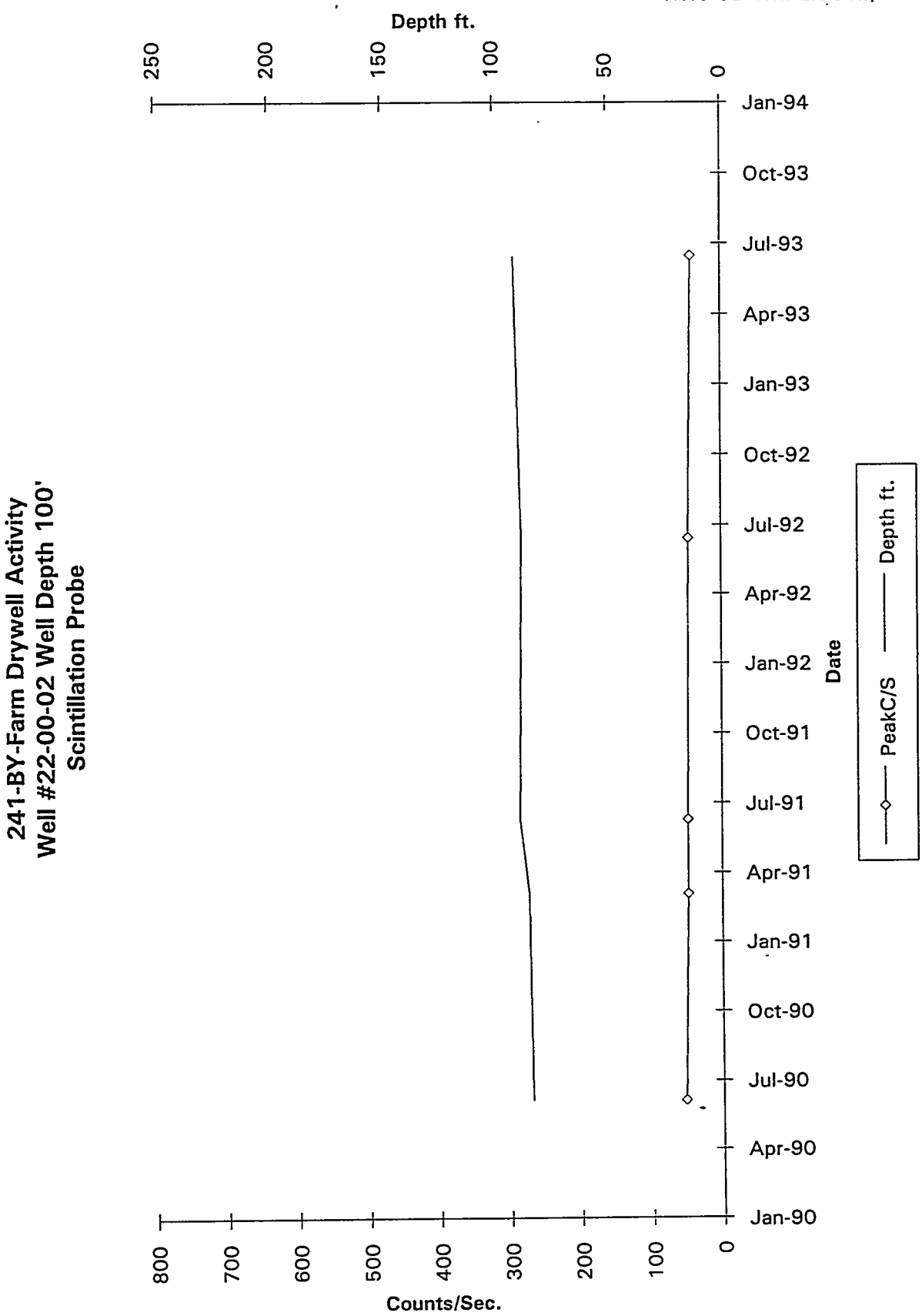

NORTH
LEGEND
SOUND - CATEGORIZATION
ASMD LKR - CATEGORIZATION
PI - PARTIAL ISOLATED
IS - INTERIM ISOLATED
IP - INTRUSION PREVENTION
xx Kgal - TOTAL WASTE
- CASCADE FLOW
- DRY WELL LOCATION
- PAST ACTIVITY
- ACTIVITY < 200 C/S
- ACTIVITY > 200 C/S
103-BY ASMD LKR PI 400 Kgal
102-BY SOUND PI 341 Kgal
101-BY SOUND IS/IP 387 Kgal
106-BY ASMD LKR PI 642 Kgal
105-BY ASMD LKR PI 503 Kgal
104-BY SOUND IS/IP 406 Kgal
109-BY SOUND PI 423 Kgal
108-BY ASMD LKR IS/IP 228 Kgal
107-BY ASMD LKR IS/IP 266 Kgal
112-BY SOUND IS/IP 291 Kgal
111-BY SOUND IS/IP 459 Kgal
110-BY SOUND IS/IP 398 Kgal

241-BY FARM

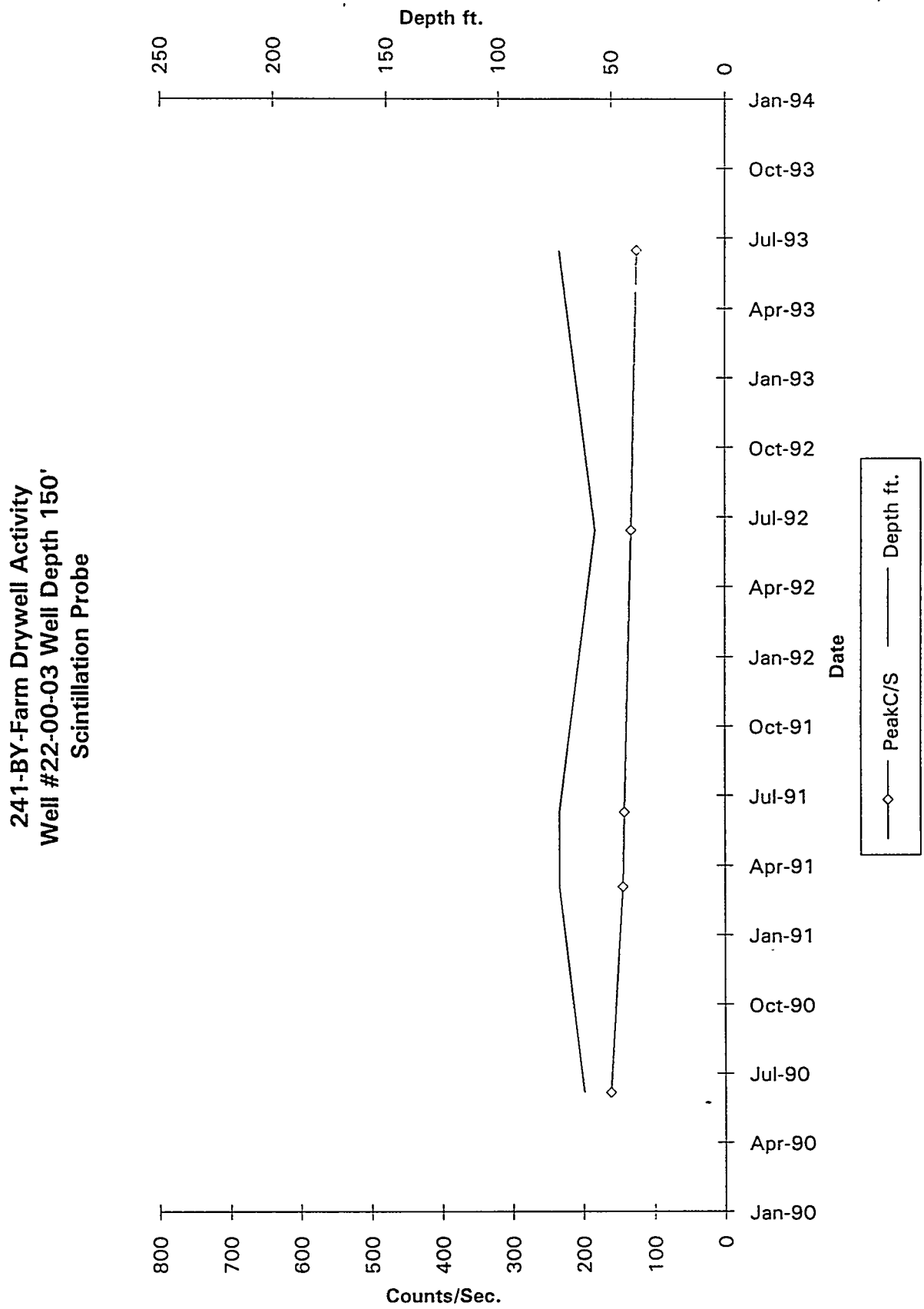
241-BY-Farm Drywell Activity
Well #22-00-01 Well Depth 140'
Scintillation Probe



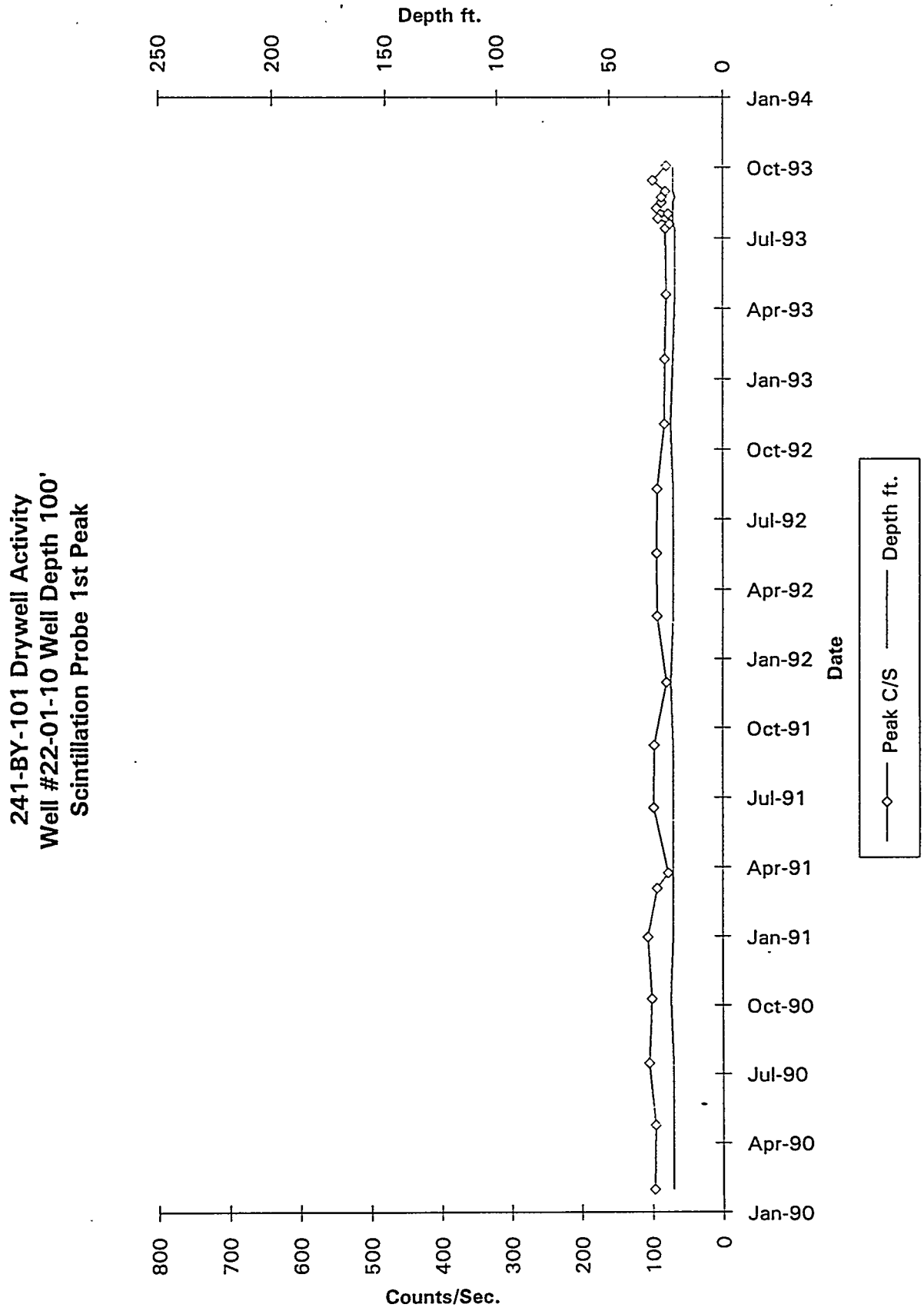
Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.



Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

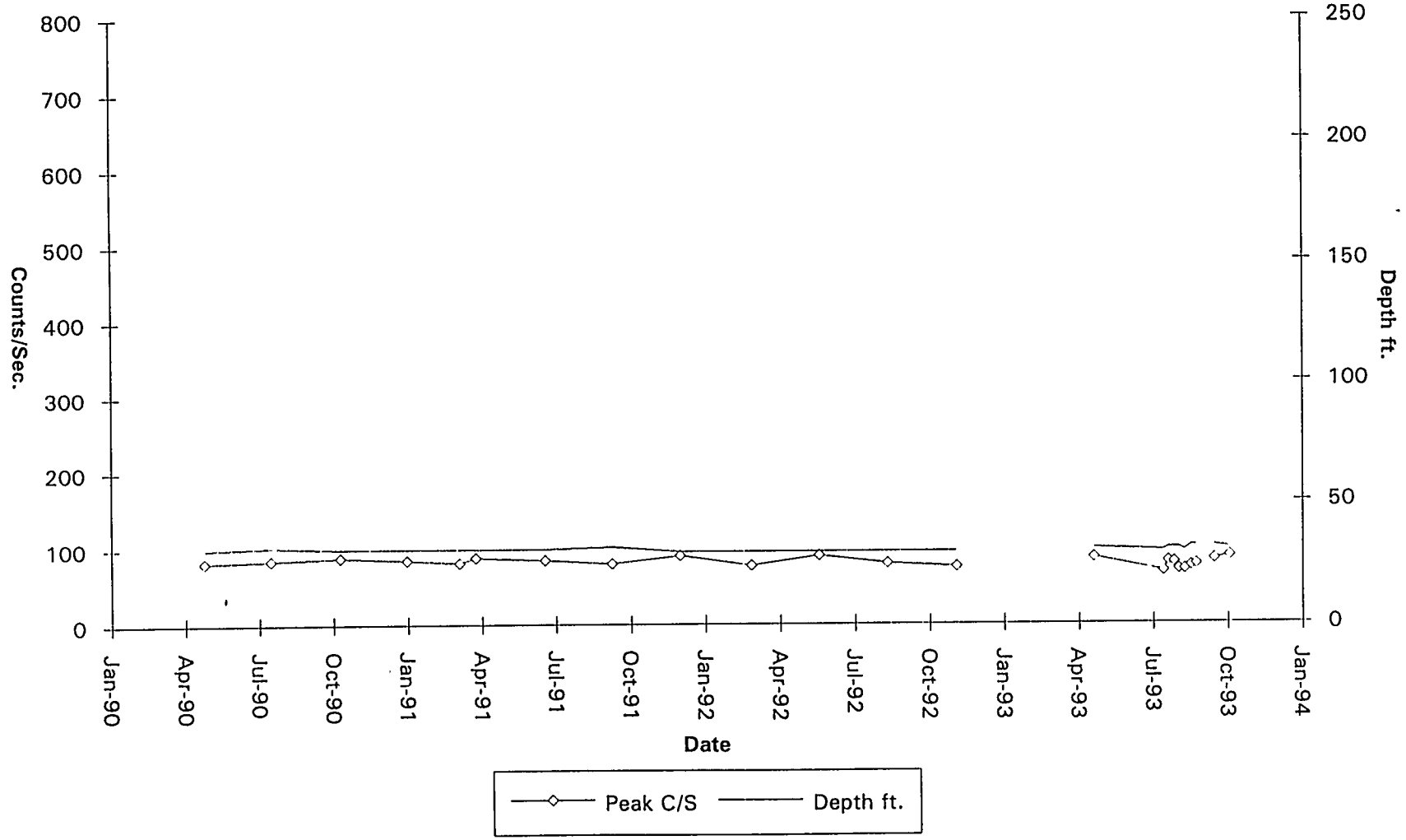


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

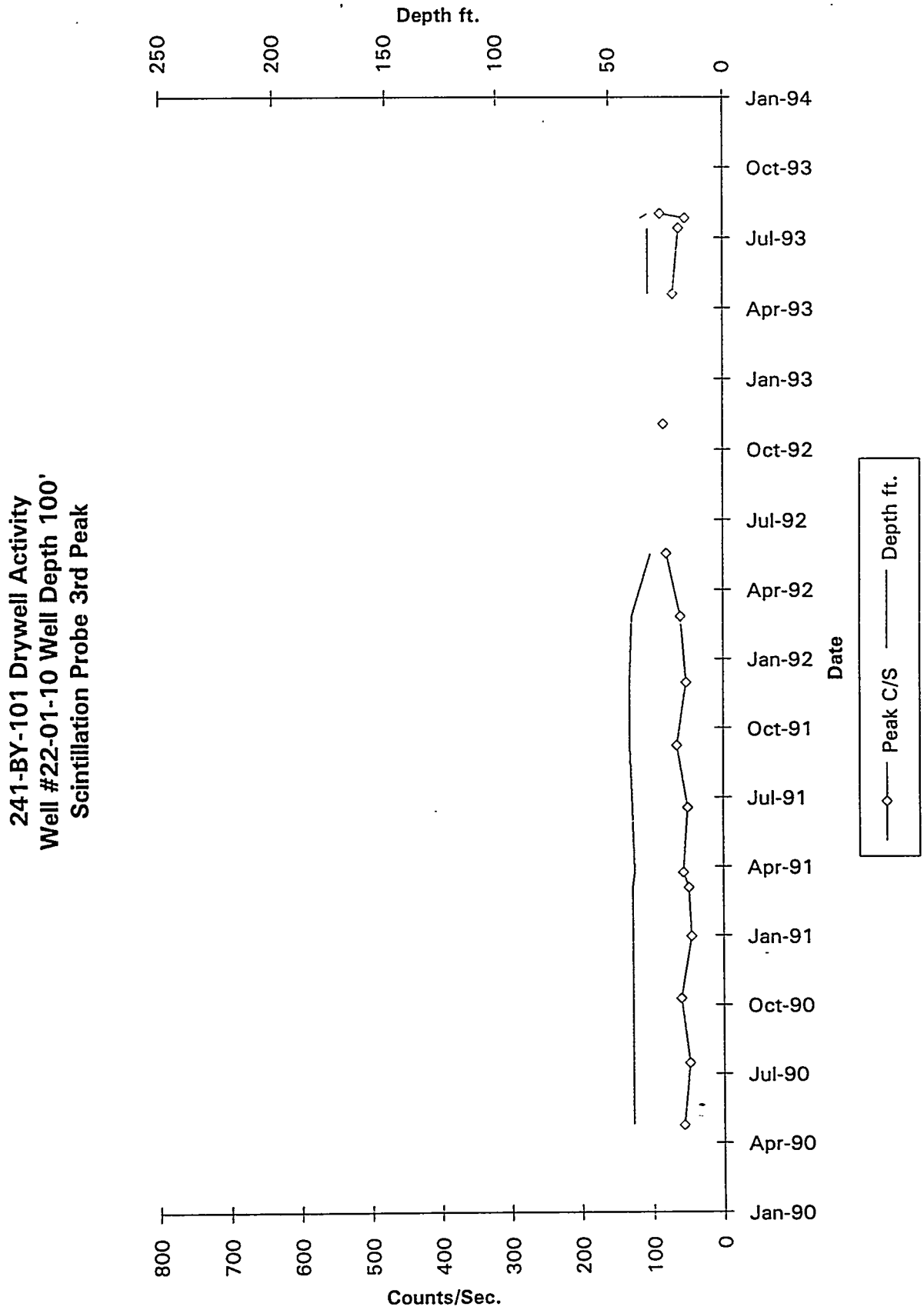


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-101 Drywell Activity
Well #22-01-10 Well Depth 100'
Scintillation Probe 2nd Peak

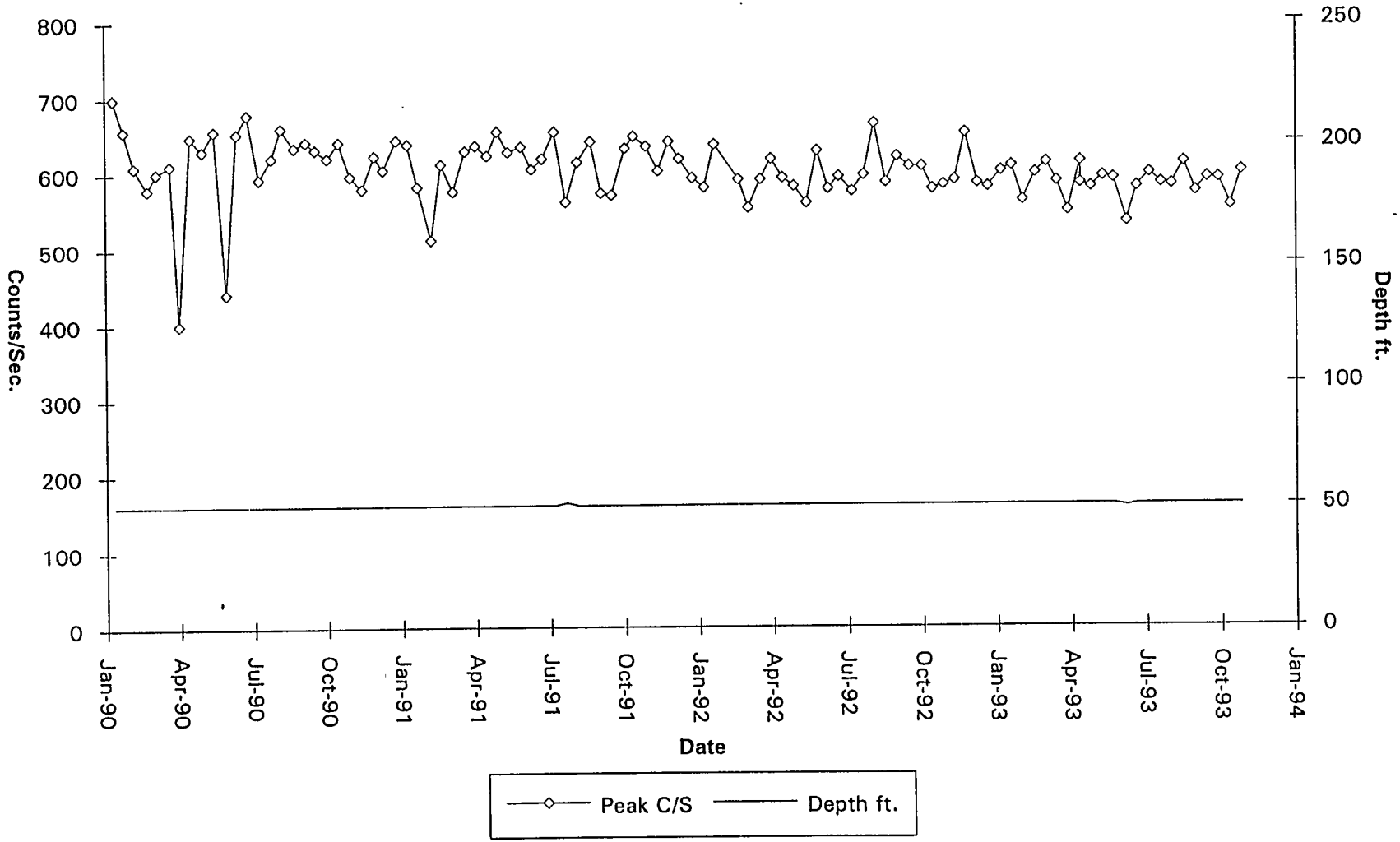


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

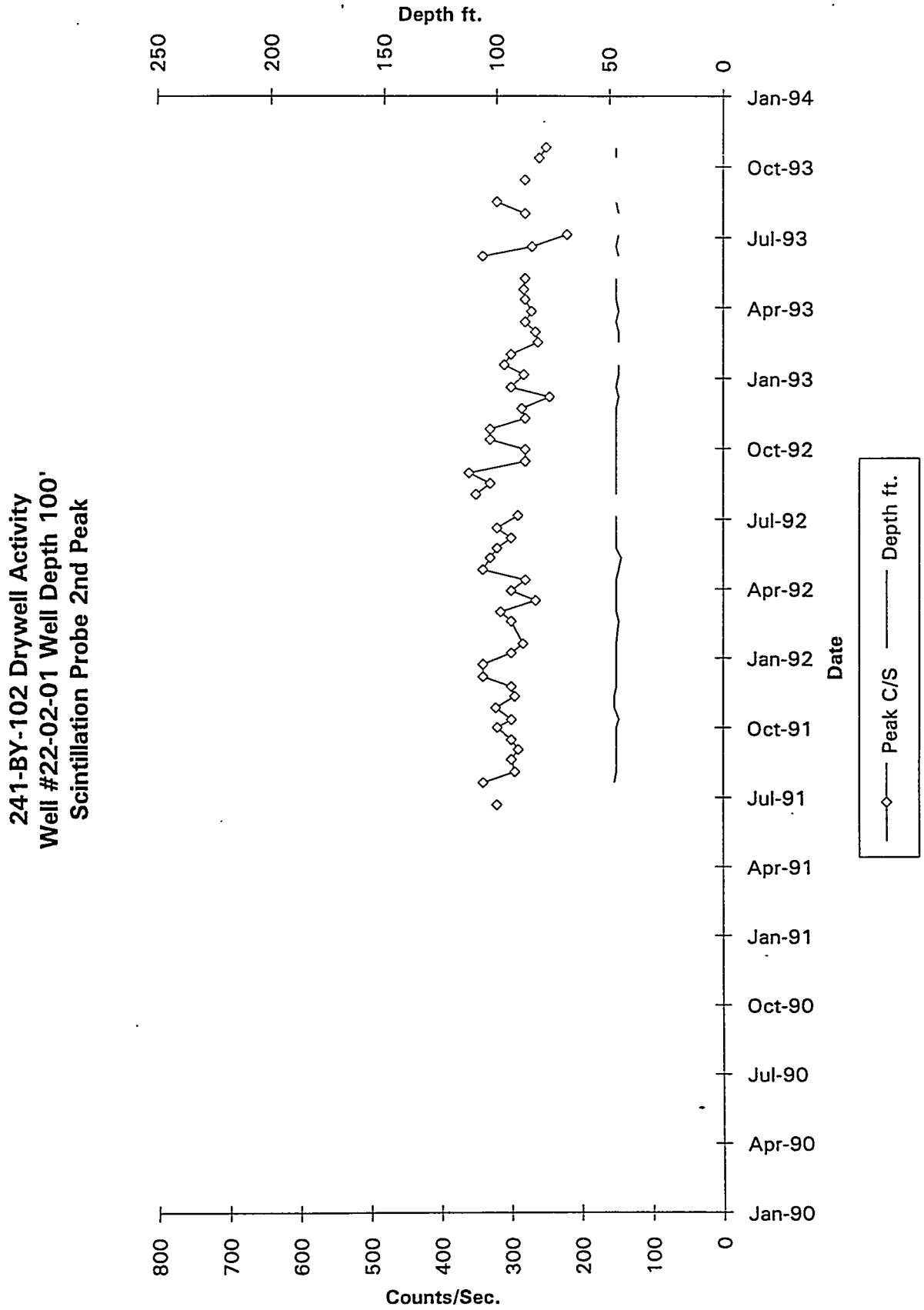


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-102 Drywell Activity
Well #22-02-01 Well Depth 100'
Scintillation Probe 1st Peak

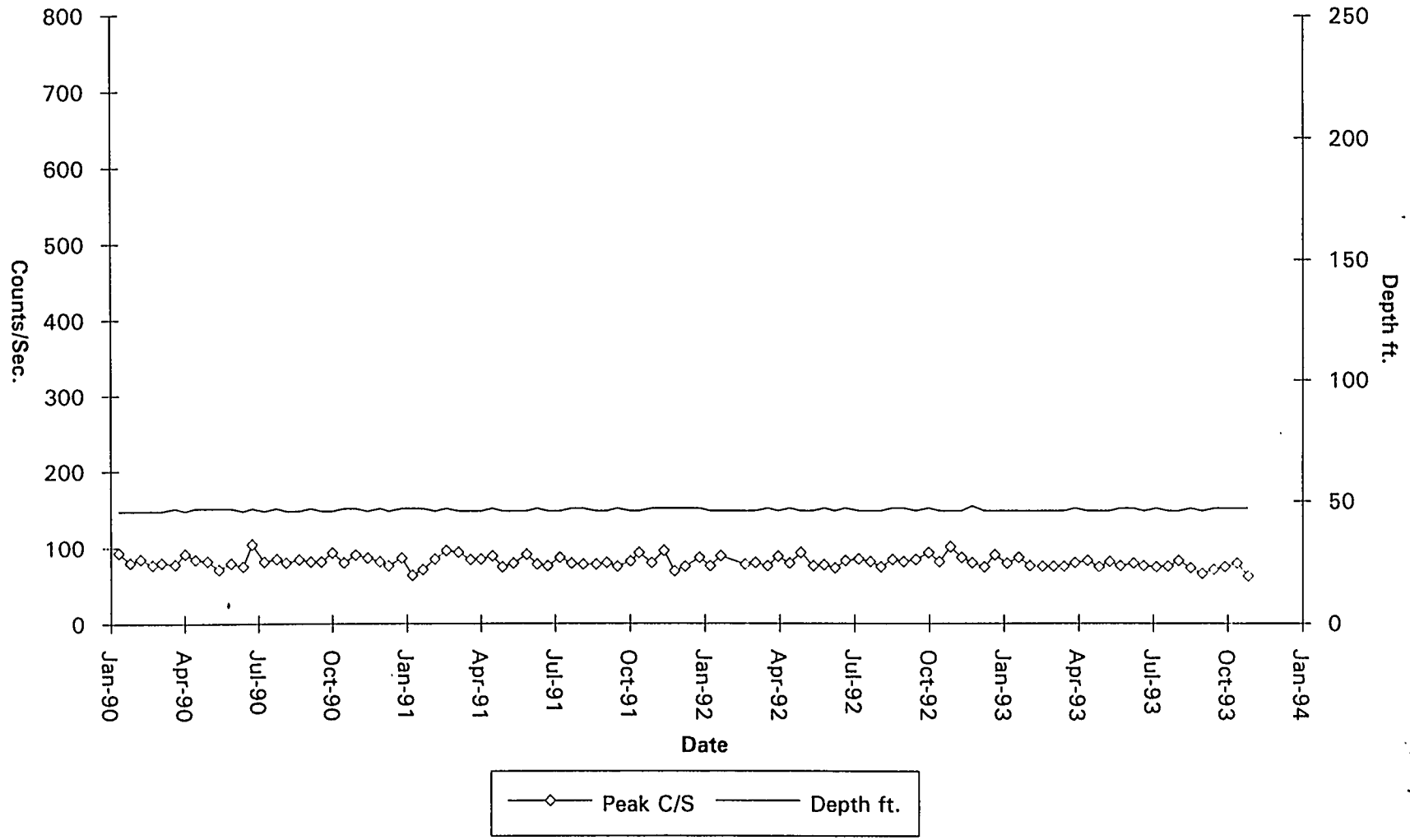


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

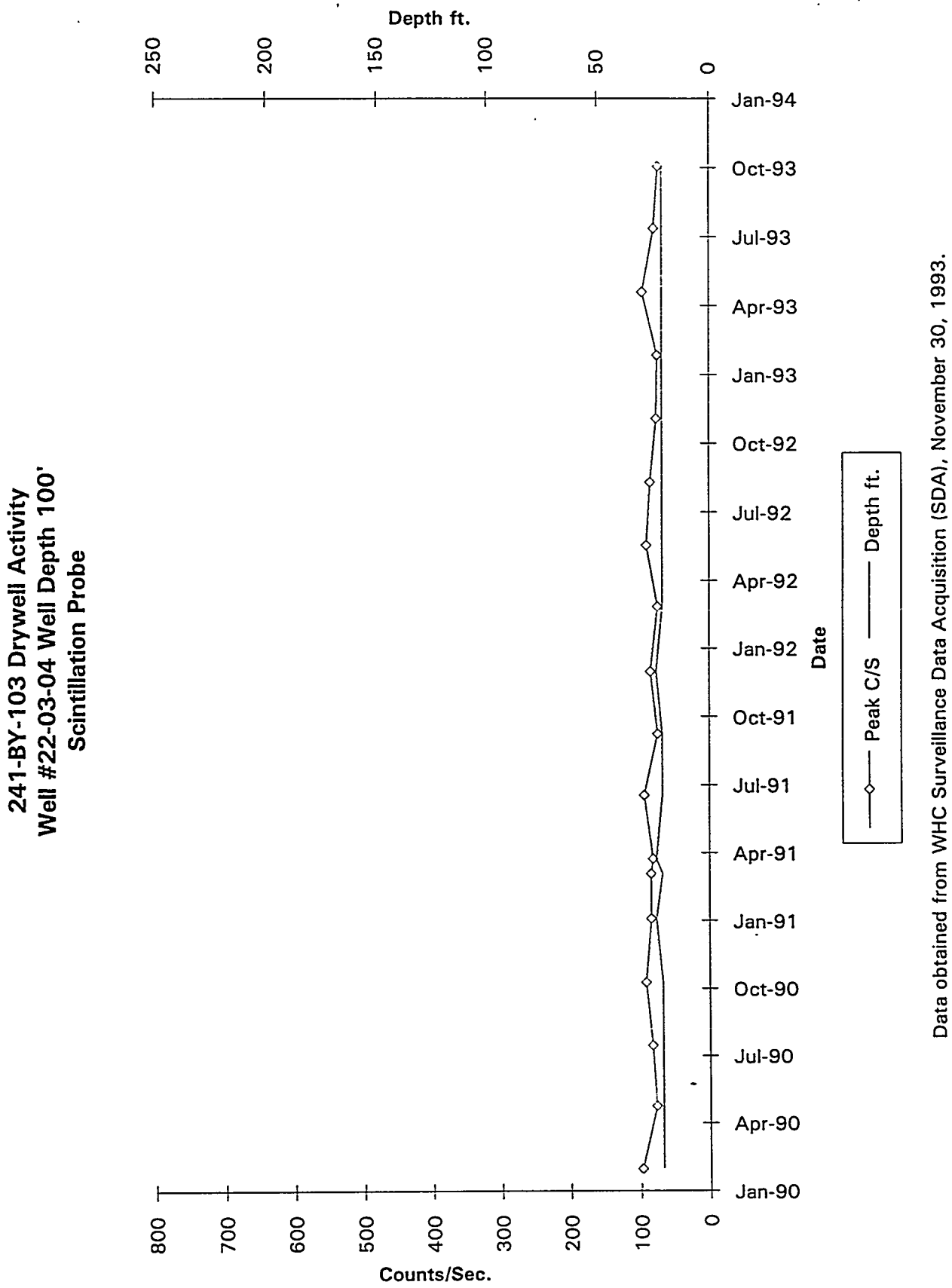


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-102 Drywell Activity
Well #22-02-09 Well Depth 100'
Scintillation Probe

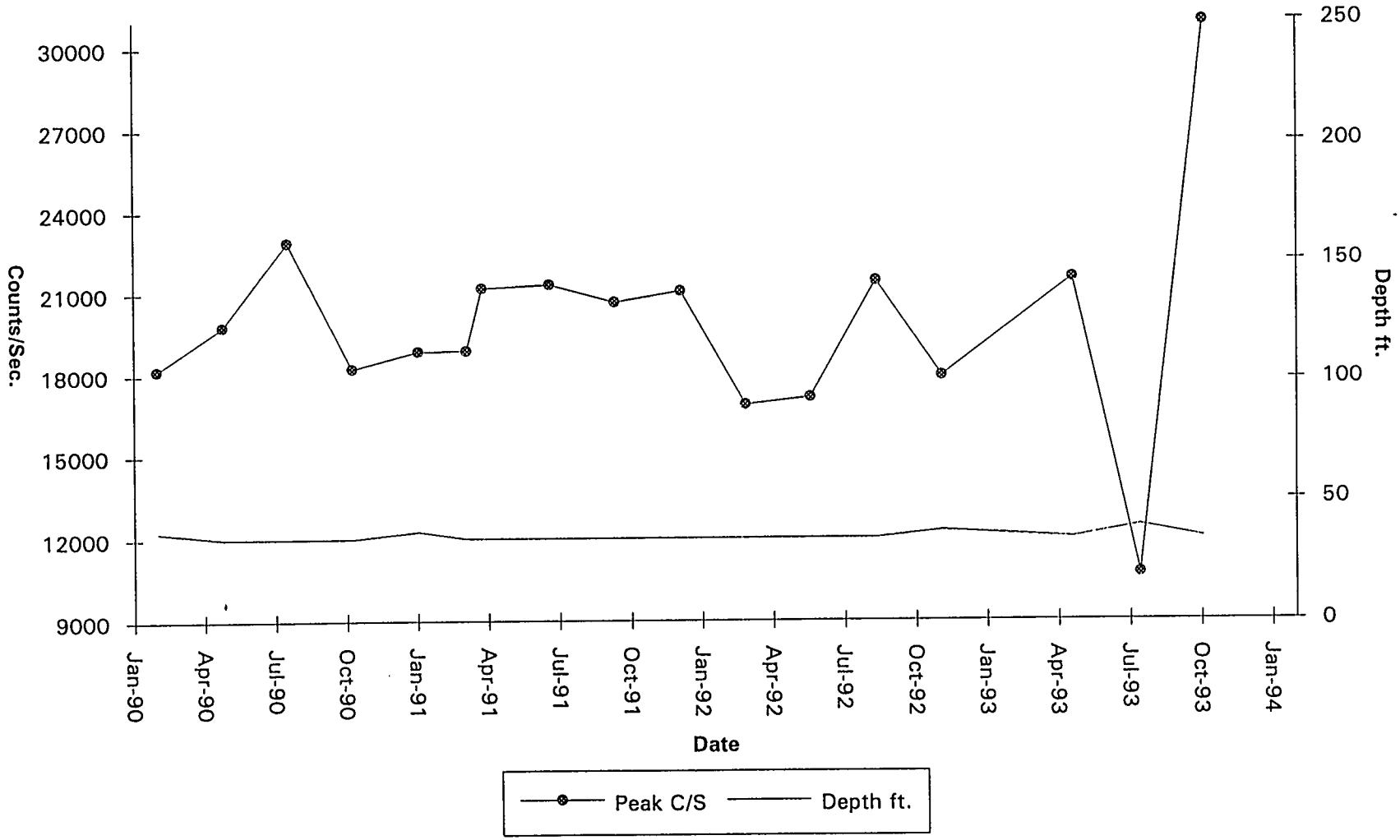


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.



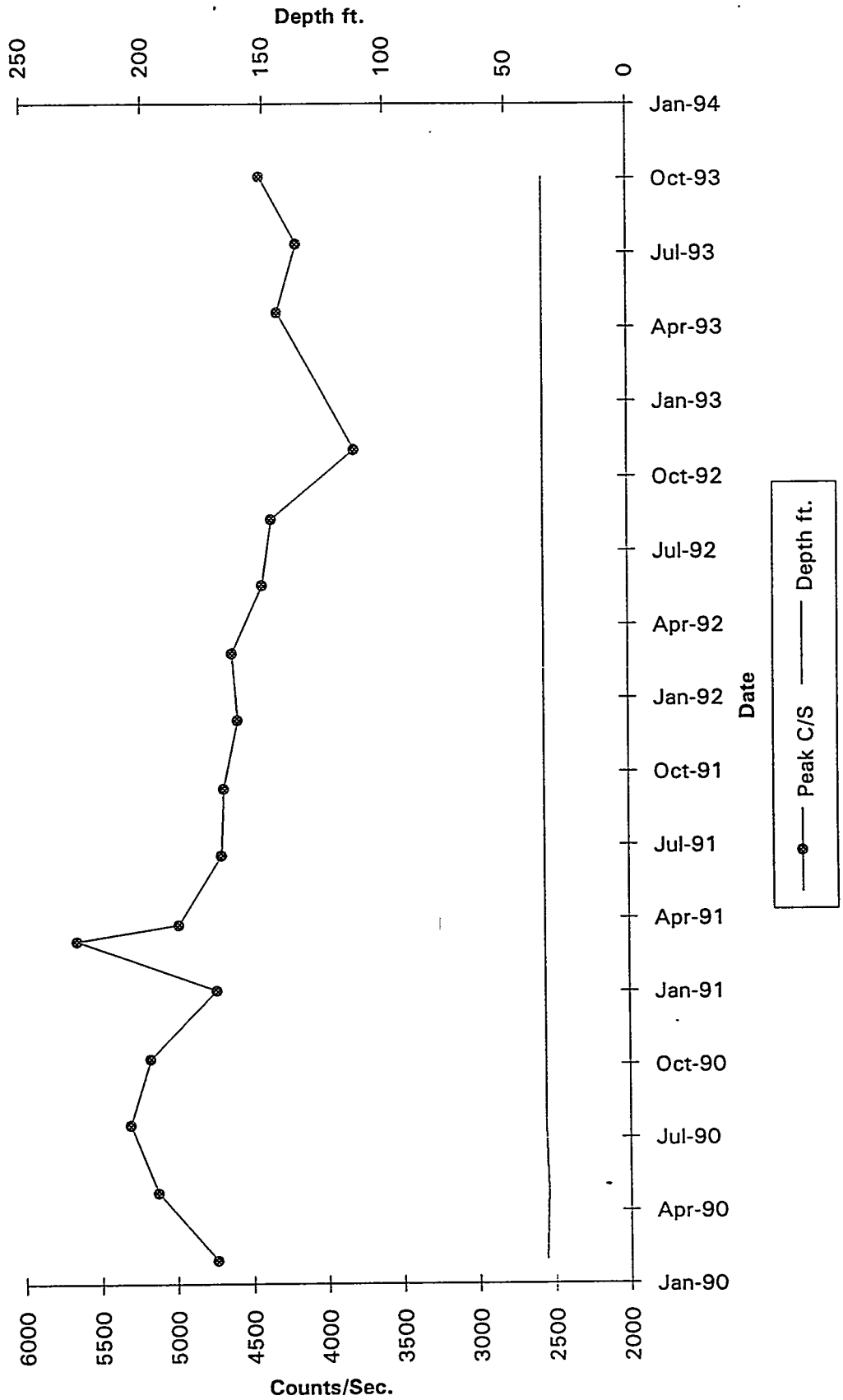
Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-103 Drywell Activity
Well #22-03-05 Well Depth 100'
GM # 1 PROBE



Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

Graph not to scale with others.

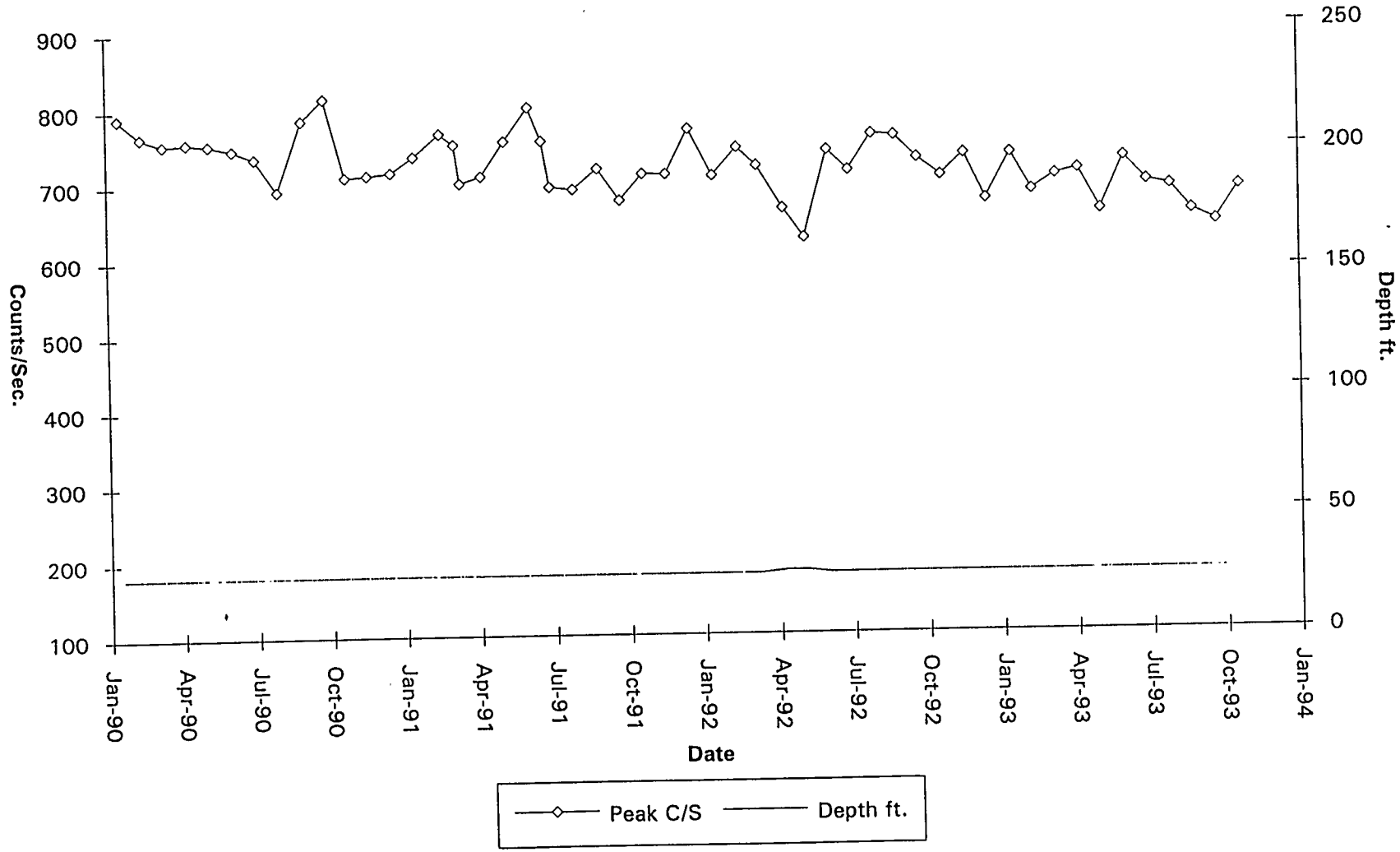


241-BY-103 Drywell Activity
Well #22-03-05 Well Depth 100'
GM # 2 PROBE

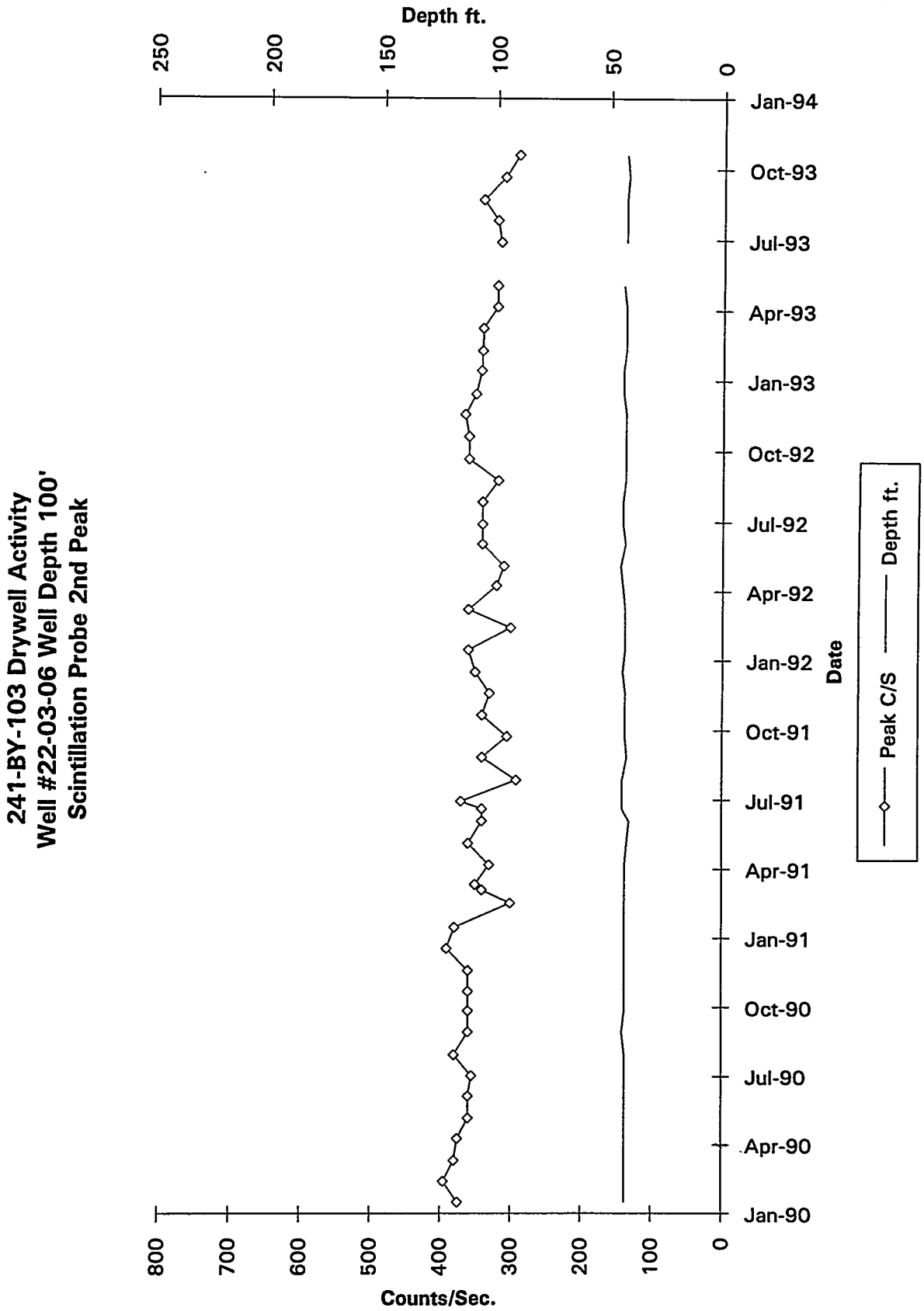
Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

Graph not to scale with others.

241-BY-103 Drywell Activity
Well #22-03-06 Well Depth 100'
Scintillation Probe 1st Peak

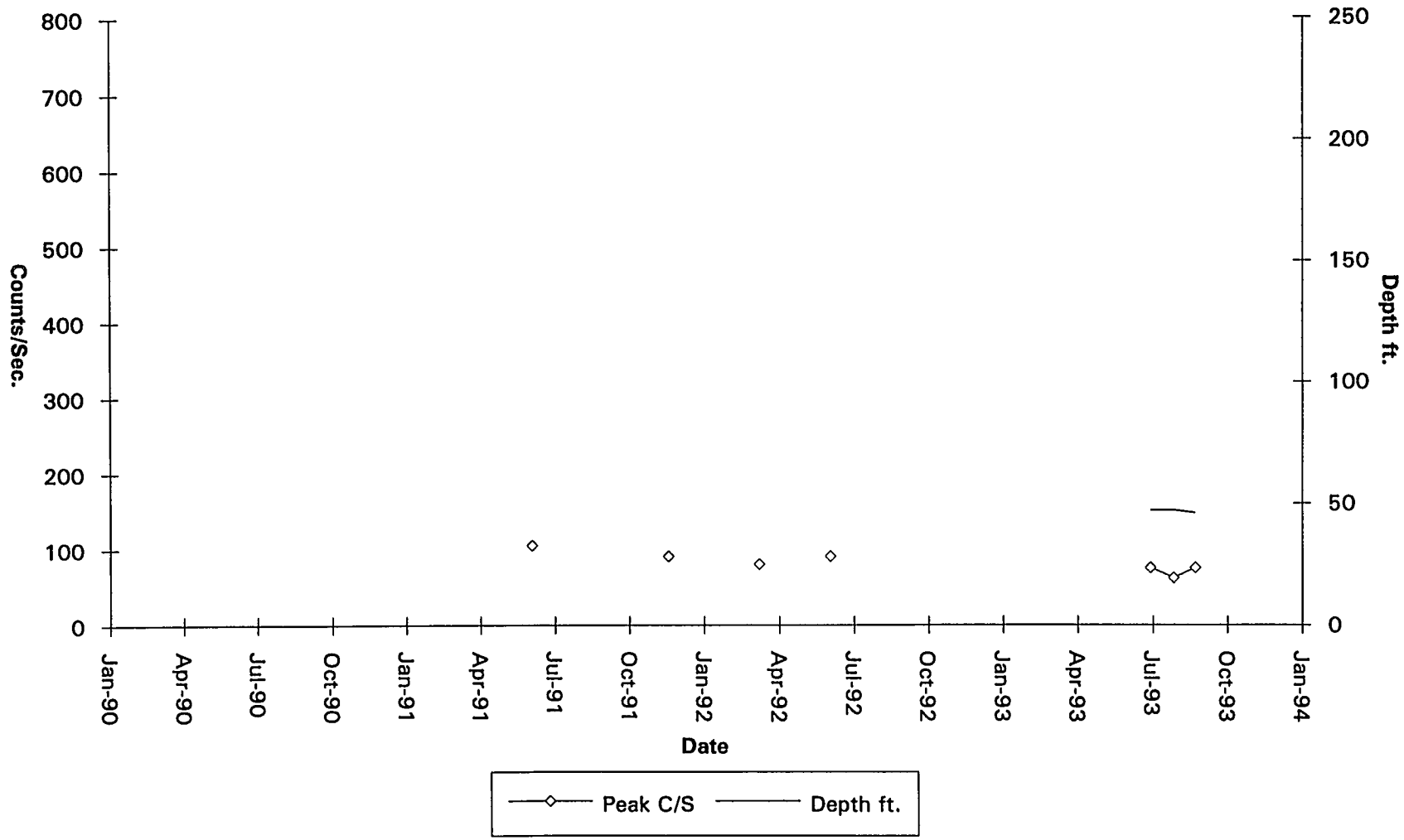


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.



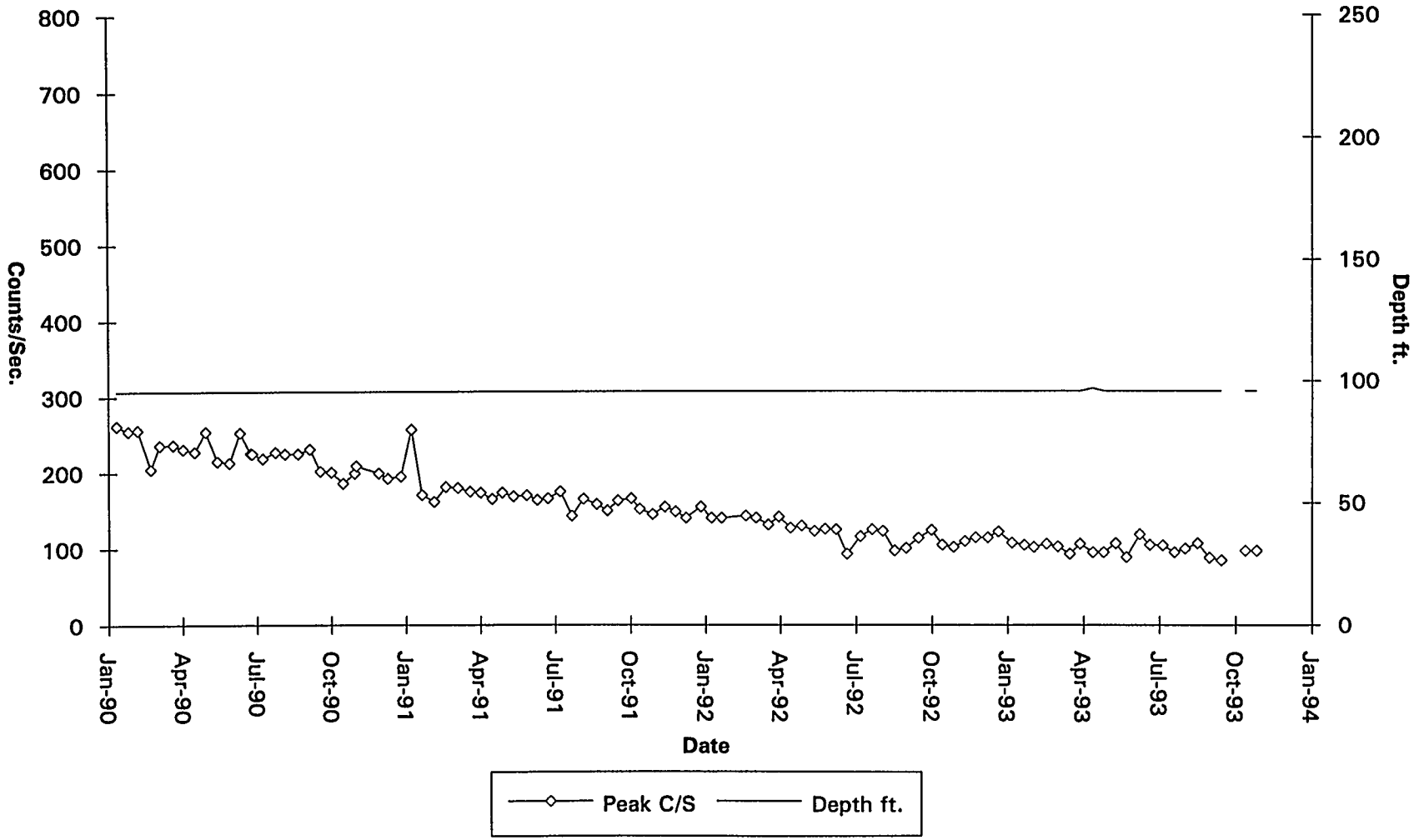
Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-B-103 Drywell Activity
Well #22-03-06 Well Depth 100'
Scintillation Probe 3rd Peak



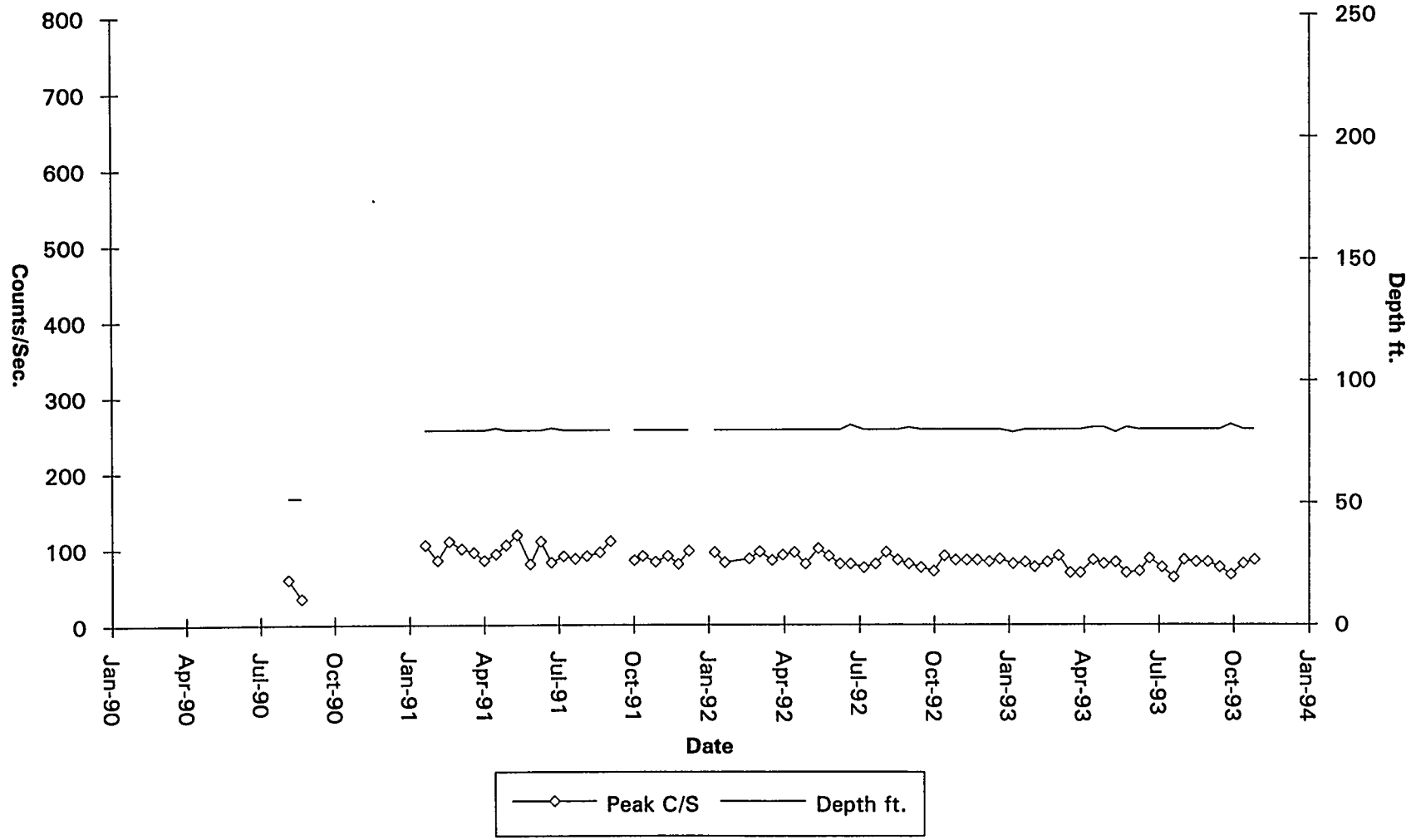
Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-103 Drywell Activity
Well #22-03-09 Well Depth 100'
Scintillation Probe 1st Peak

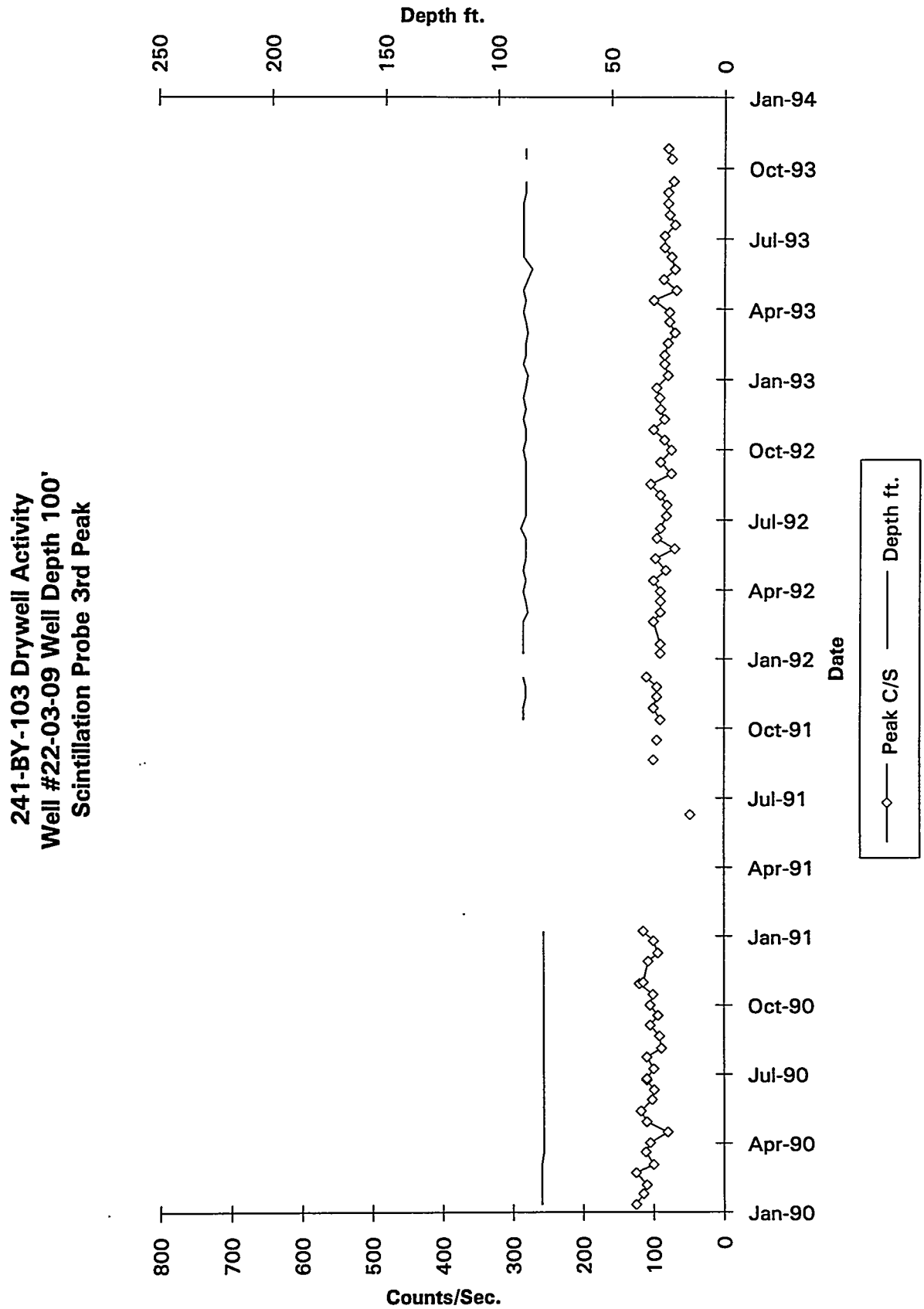


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-103 Drywell Activity
Well #22-03-09 Well Depth 100'
Scintillation Probe 2nd Peak

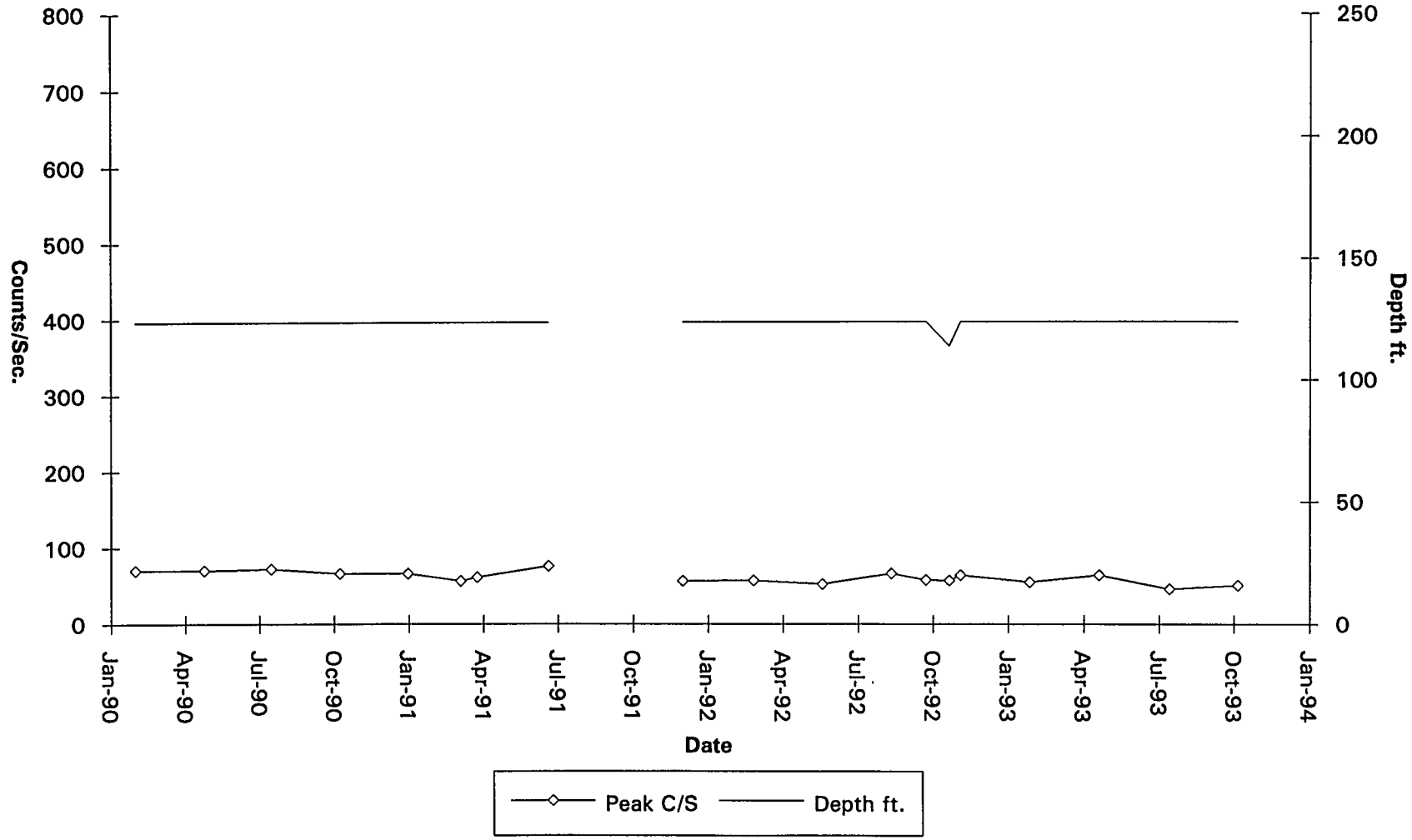


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

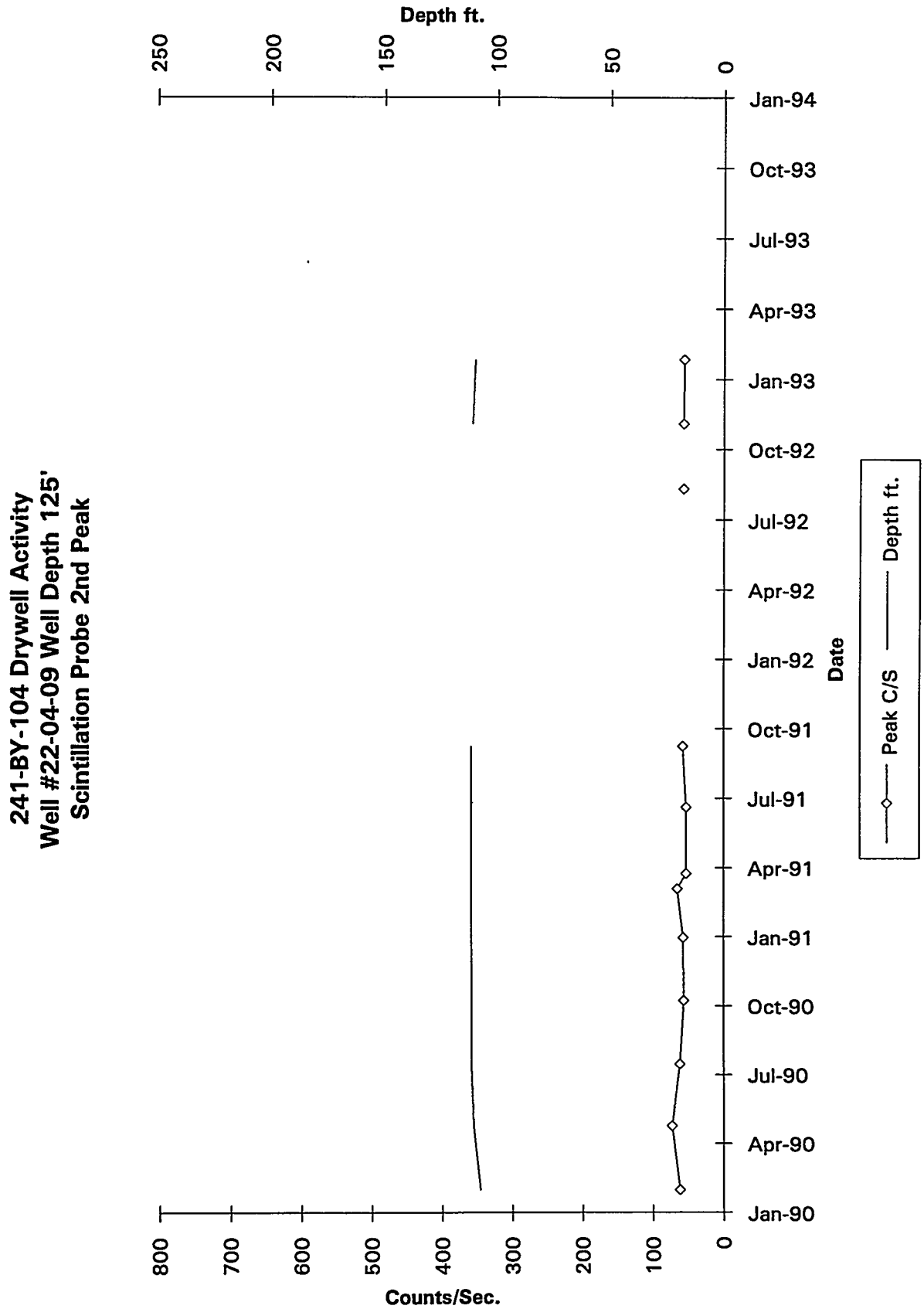


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-104 Drywell Activity
Well #22-04-09 Well Depth 125'
Scintillation Probe 1st Peak

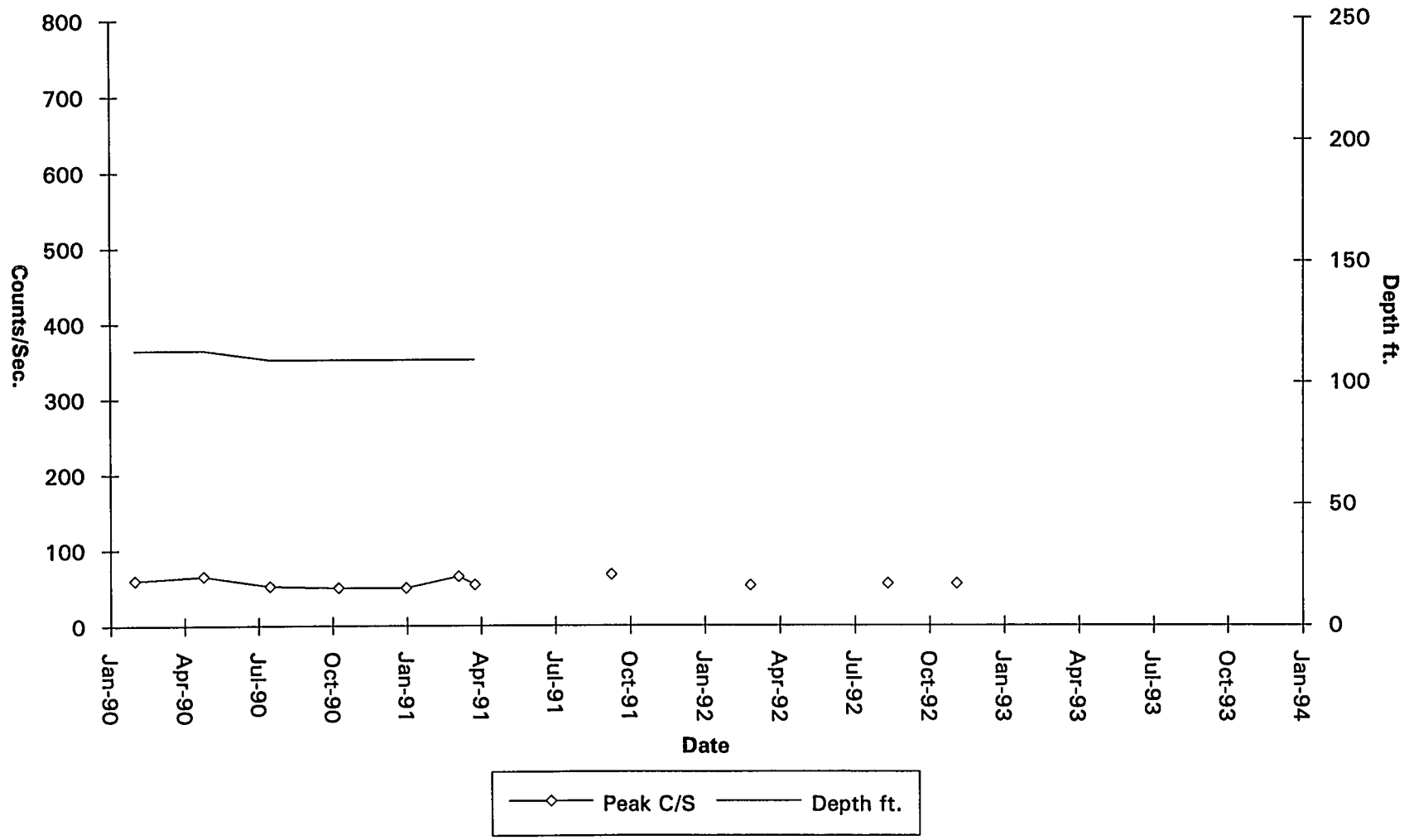


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

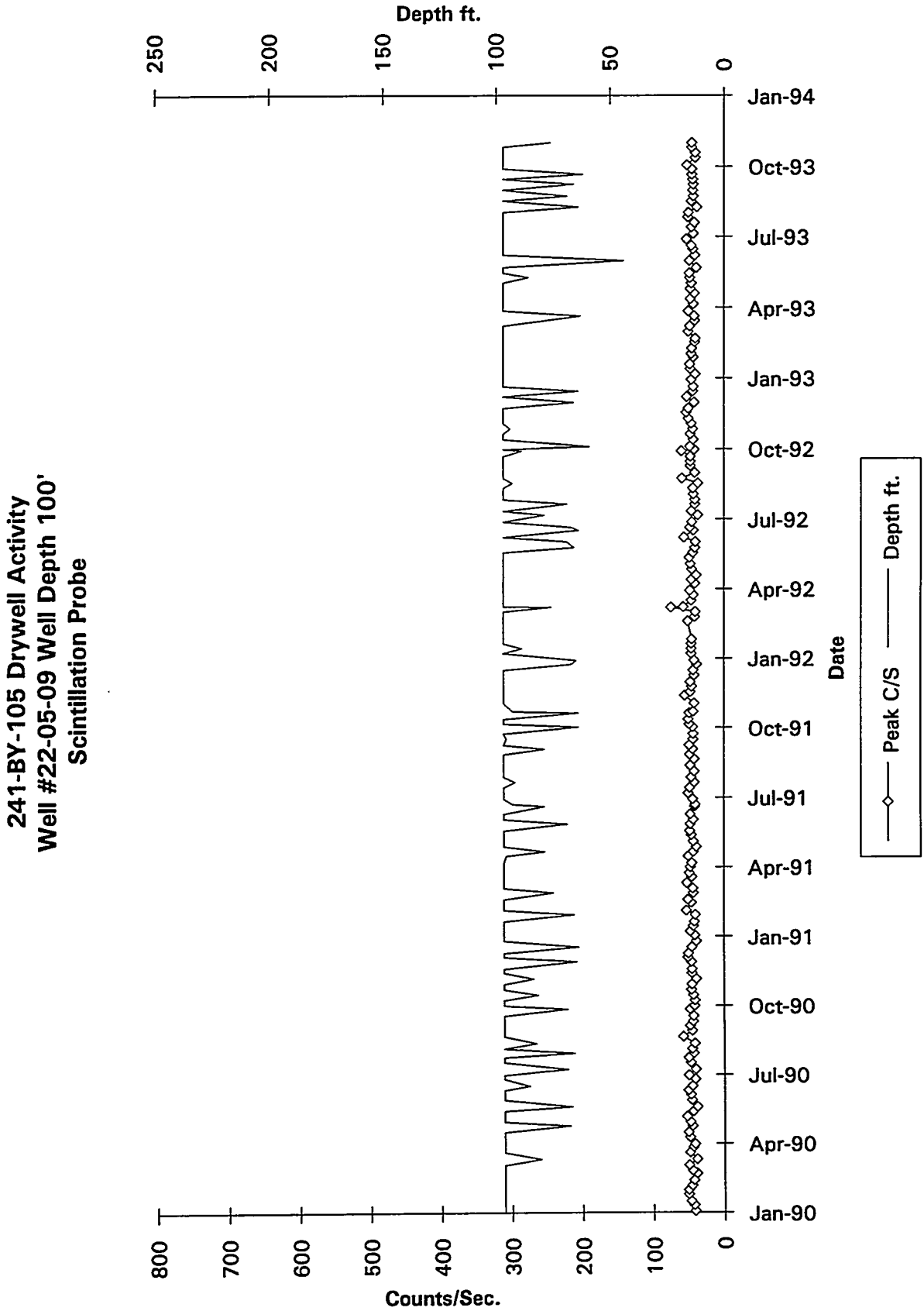


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-104 Drywell Activity
Well #22-04-09 Well Depth 125'
Scintillation Probe 3rd Peak

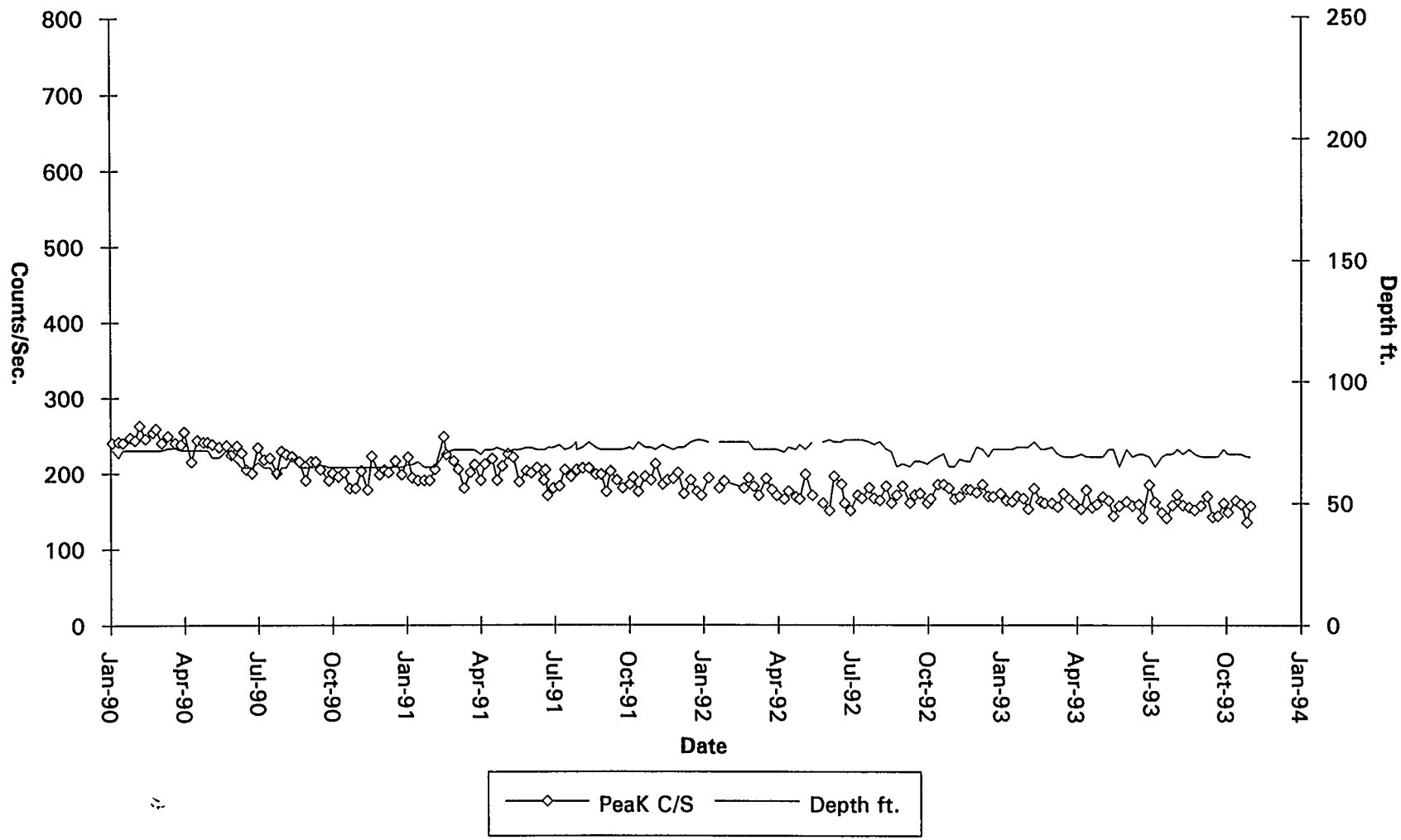


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.



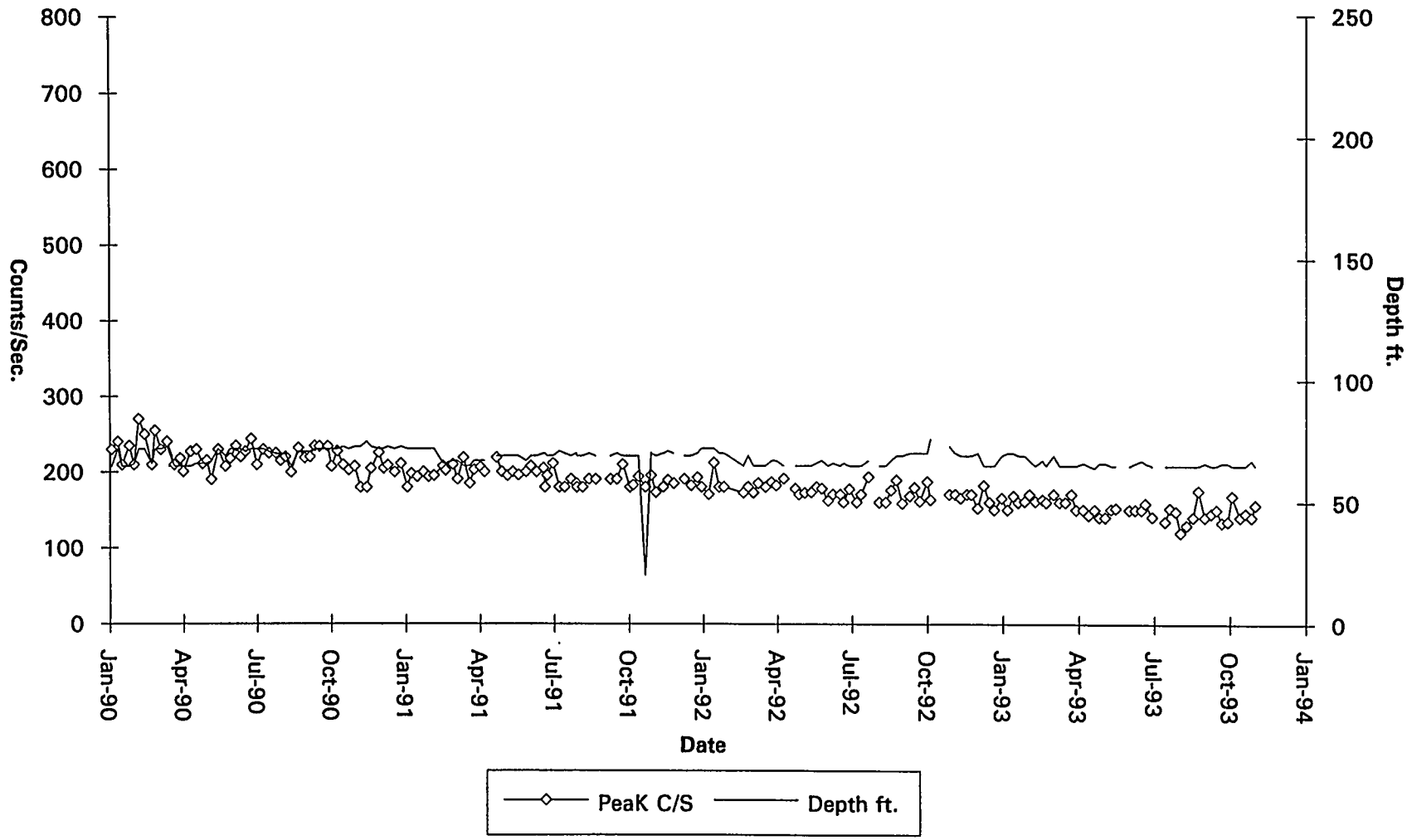
Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-106 Drywell Activity
Well #22-06-05 Well Depth 100'
Scintillation Probe 1st Peak



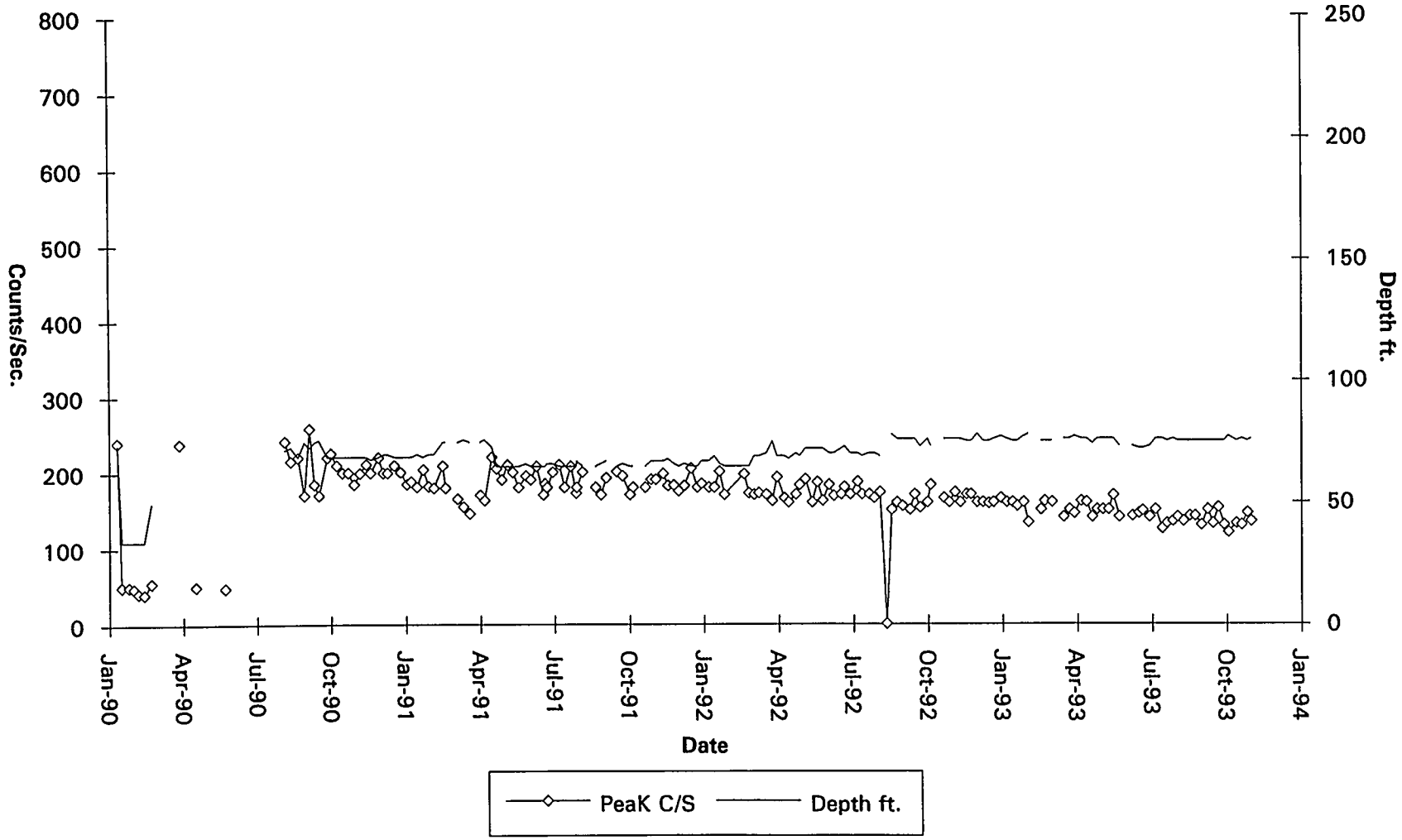
Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-106 Drywell Activity
Well #22-06-05 Well Depth 100'
Scintillation Probe 2nd Peak



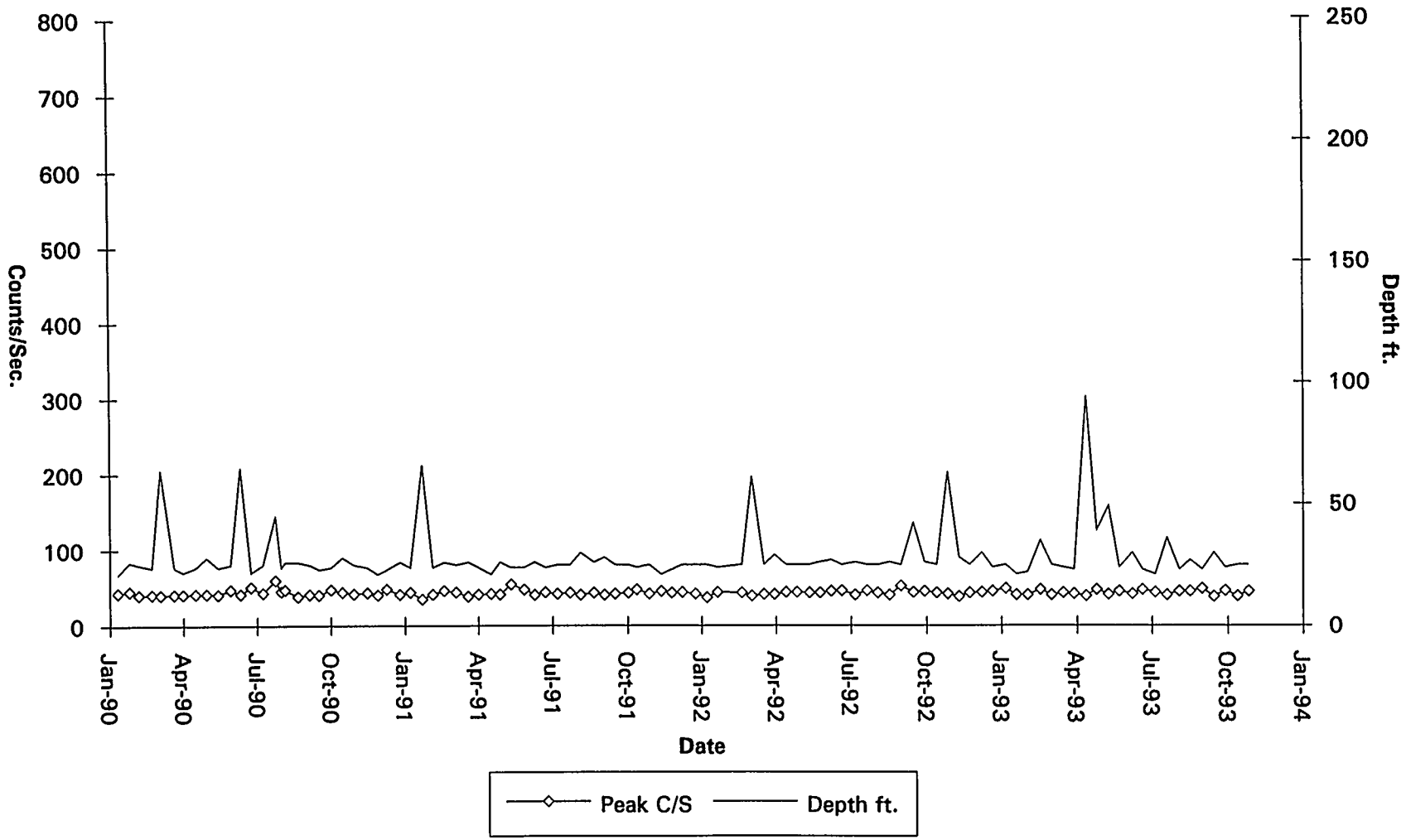
Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-106 Drywell Activity
Well #22-06-05 Well Depth 100'
Scintillation Probe 3rd Peak

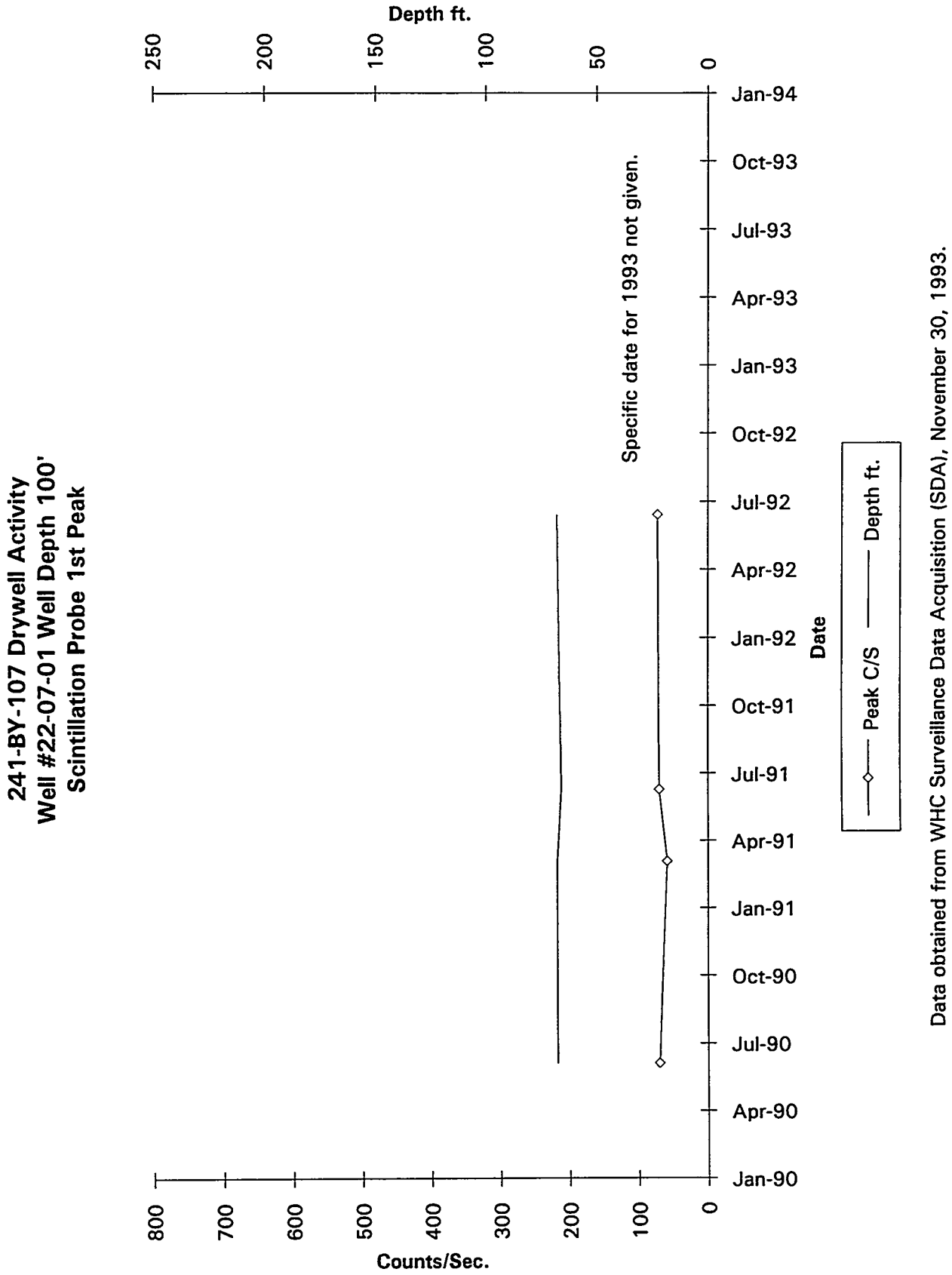


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

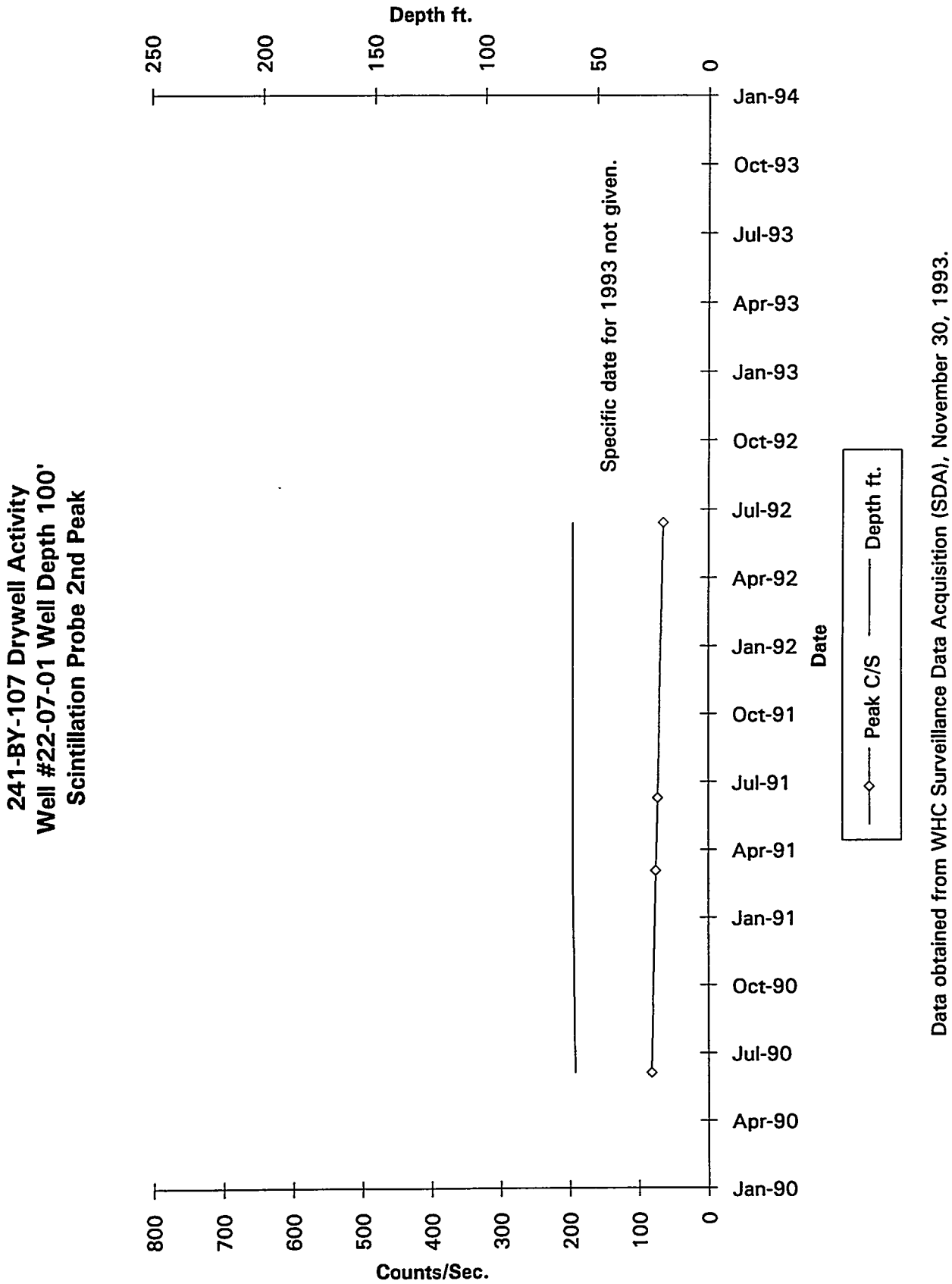
241-BY-106 Drywell Activity
Well #22-06-11 Well Depth 100'
Scintillation Probe

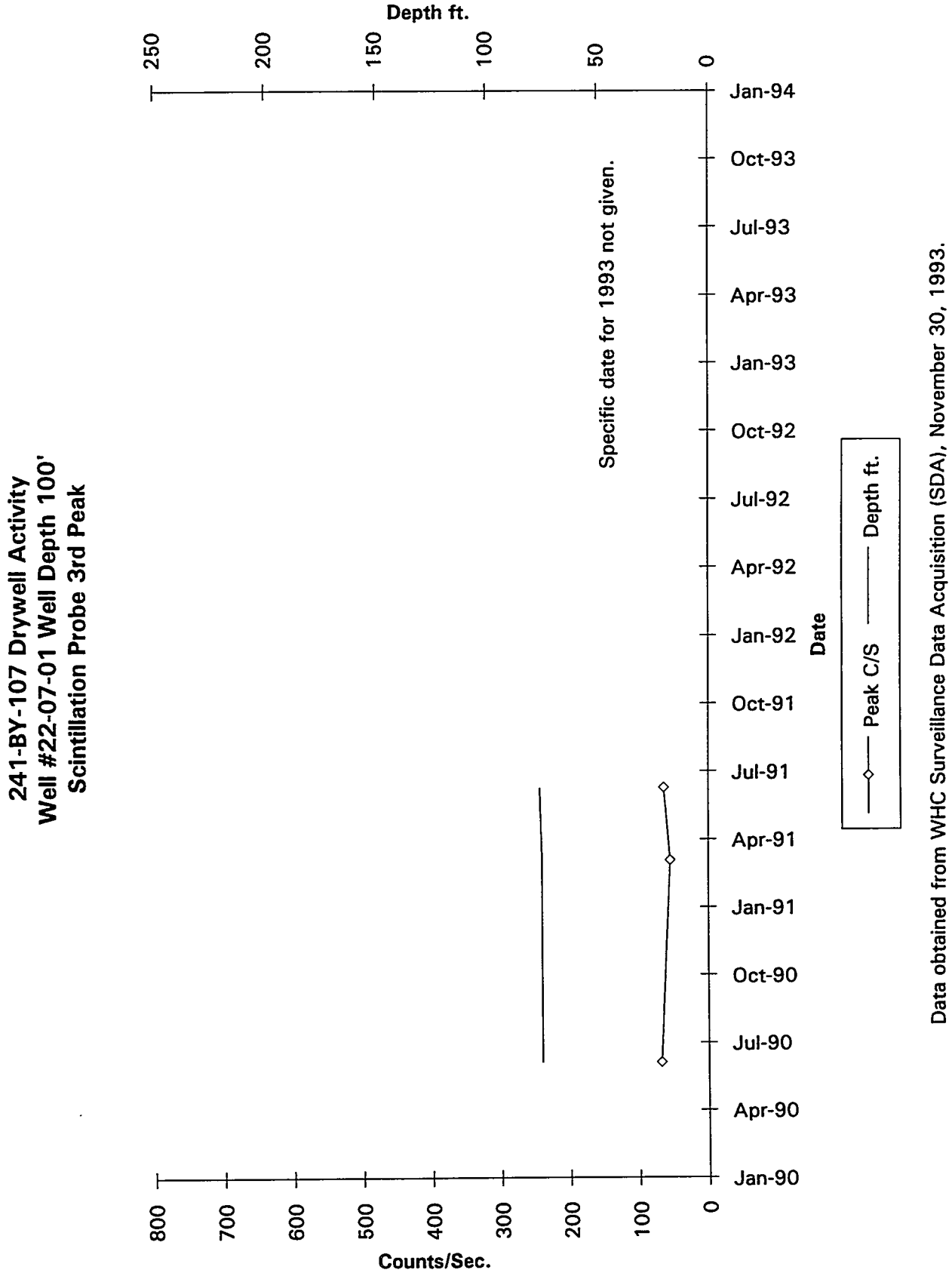


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

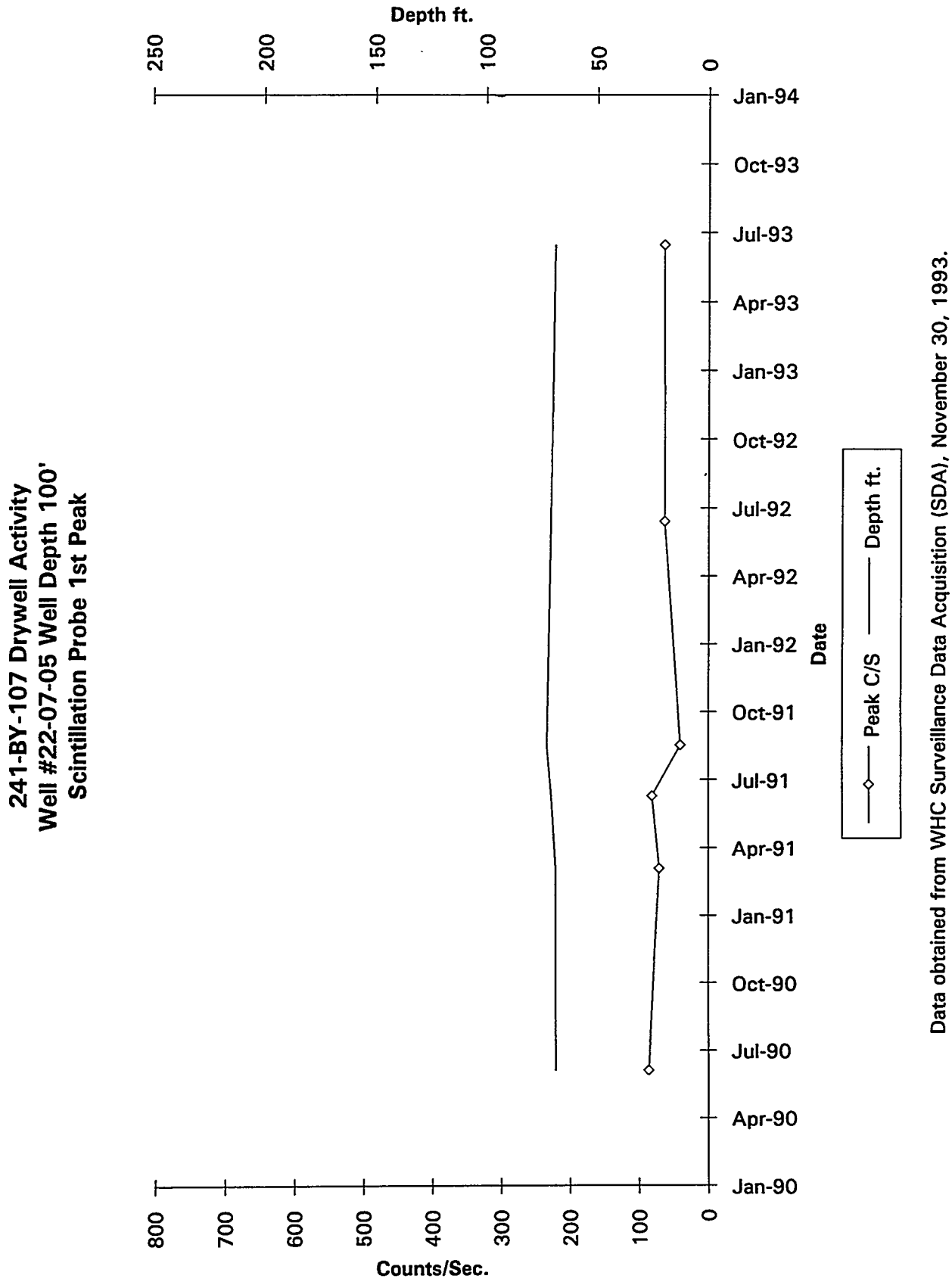


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.


241-BY-107 Drywell Activity
Well #22-07-01 Well Depth 100'
Scintillation Probe 2nd Peak
Depth ft.
250
200
150
100
50
0
Specific date for 1993 not given.
Jan-94
Oct-93
Jul-93
Apr-93
Jan-93
Oct-92
Jul-92
Apr-92
Jan-92
Oct-91
Jul-91
Apr-91
Jan-91
Oct-90
Jul-90
Apr-90
Jan-90
Date
Peak C/S
Depth ft.
800
700
600
500
400
300
200
100
0
Counts/Sec.
Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

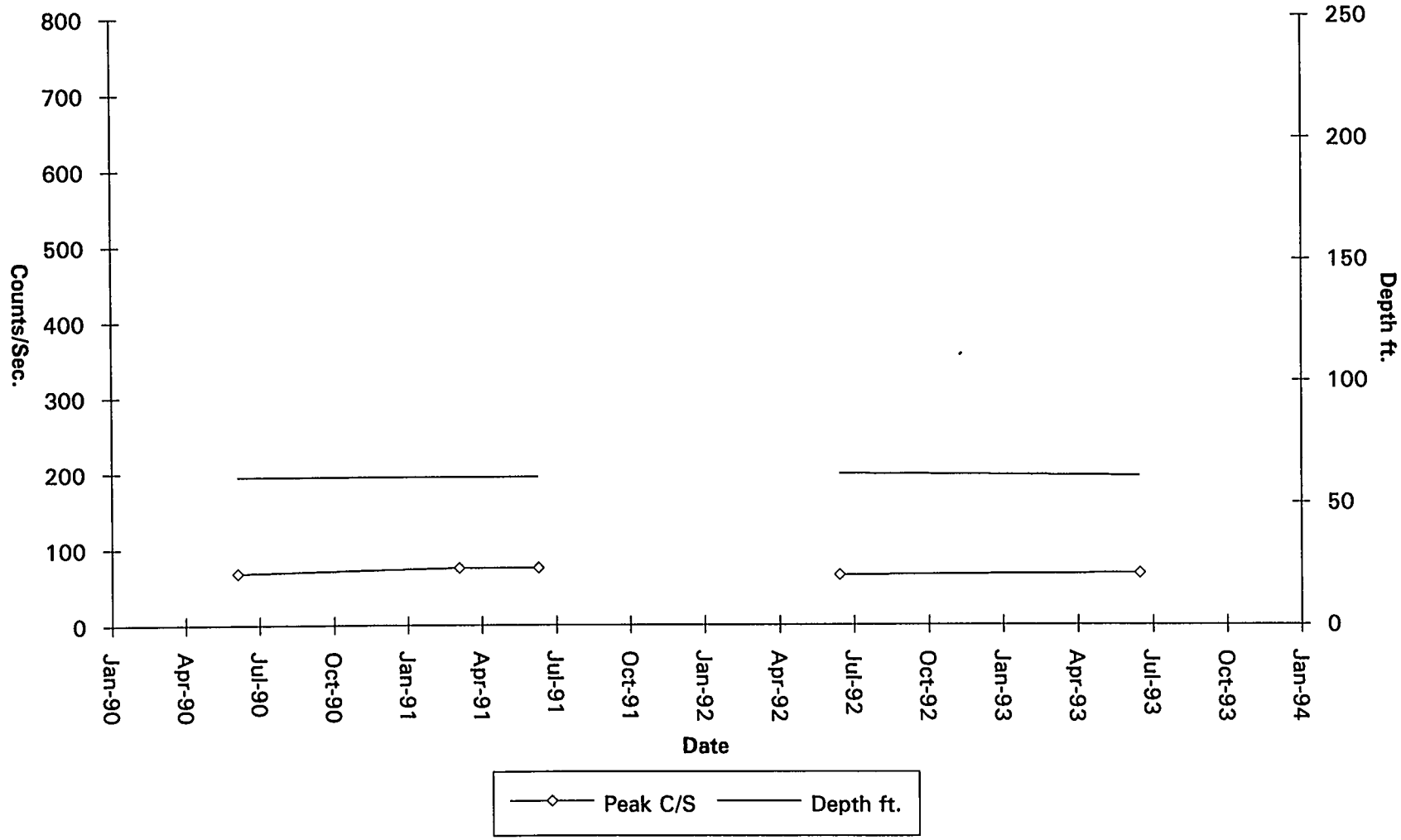


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

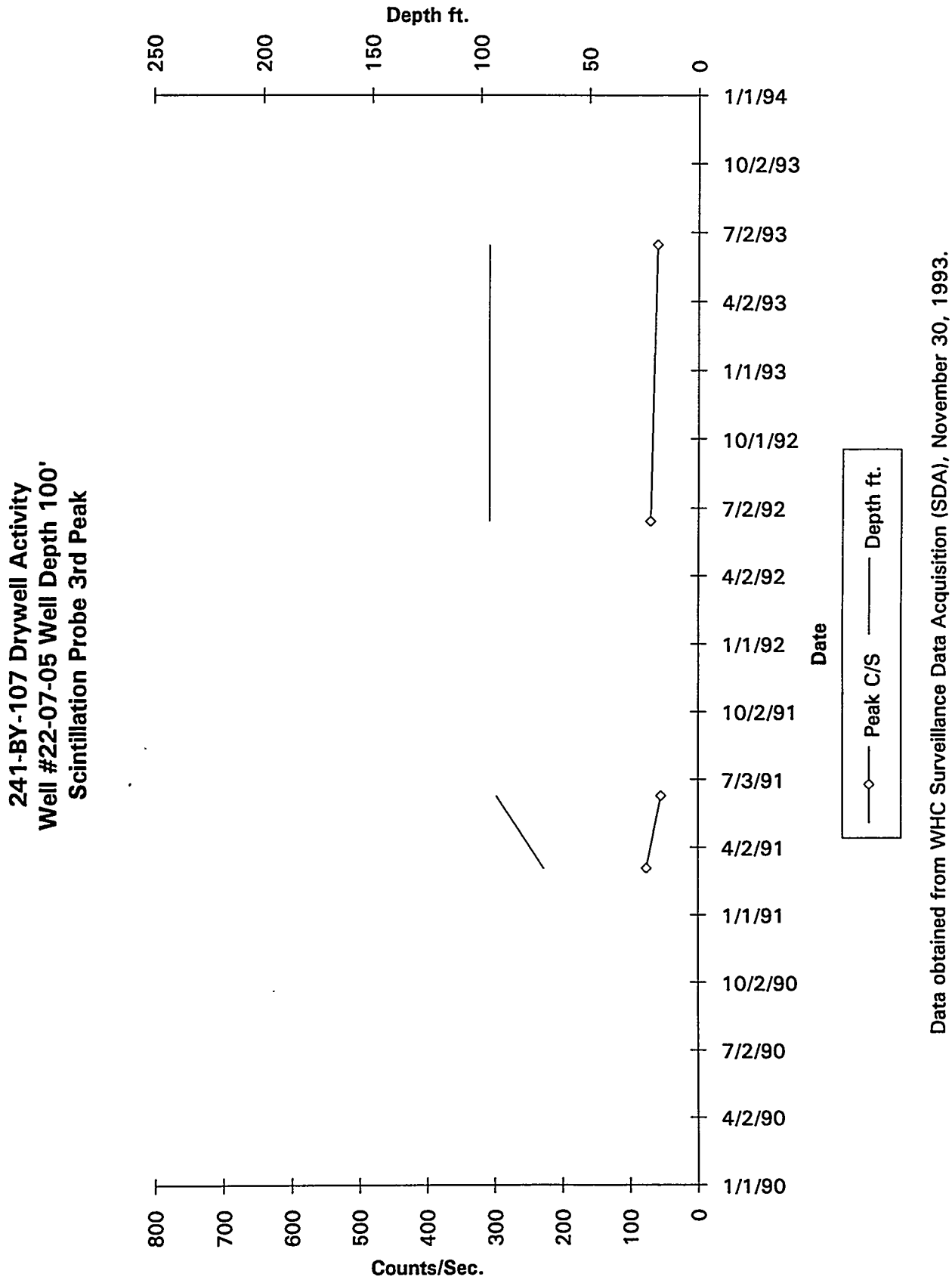


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

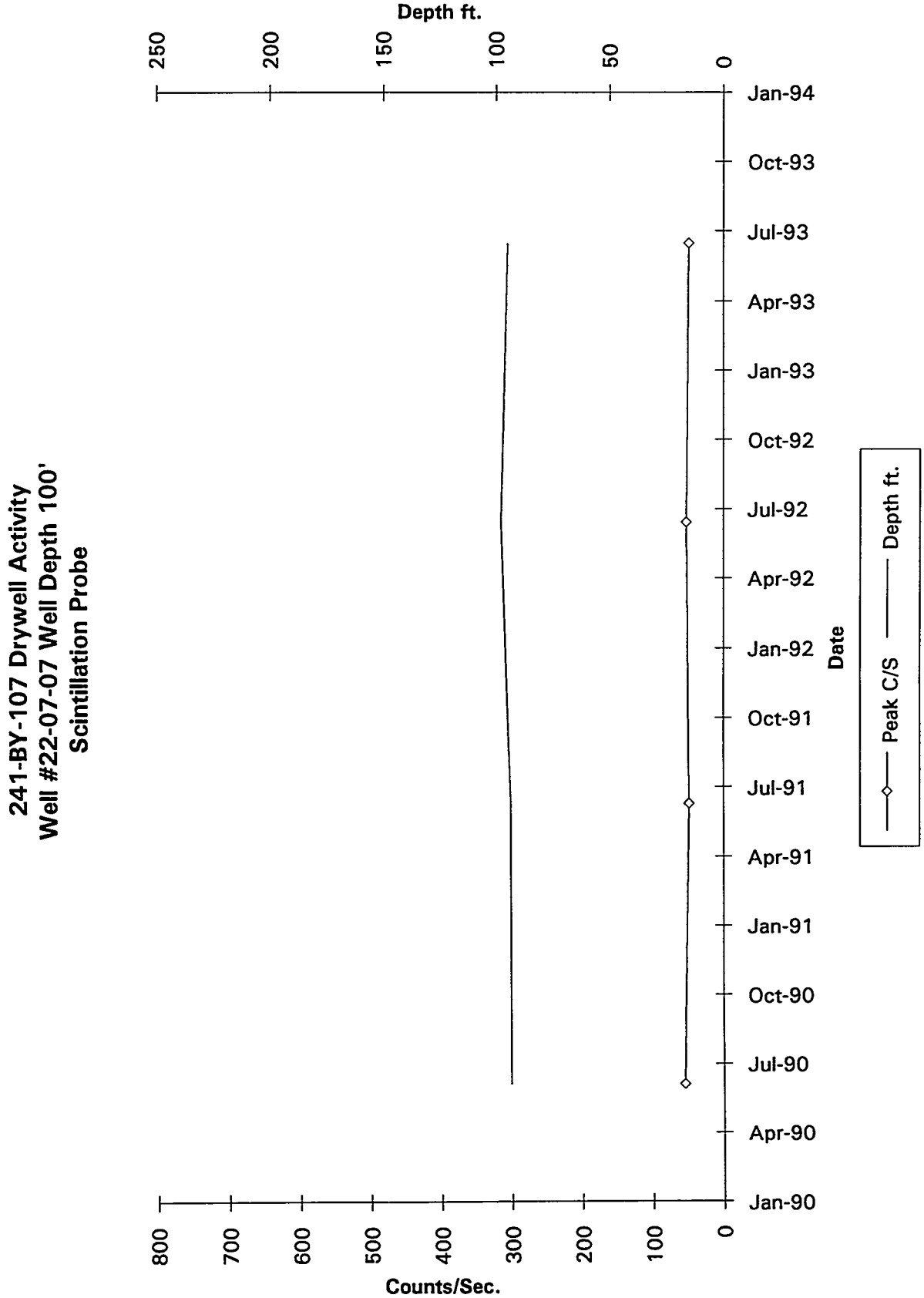
241-BY-107 Drywell Activity
Well #22-07-05 Well Depth 100'
Scintillation Probe 2nd Peak



Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

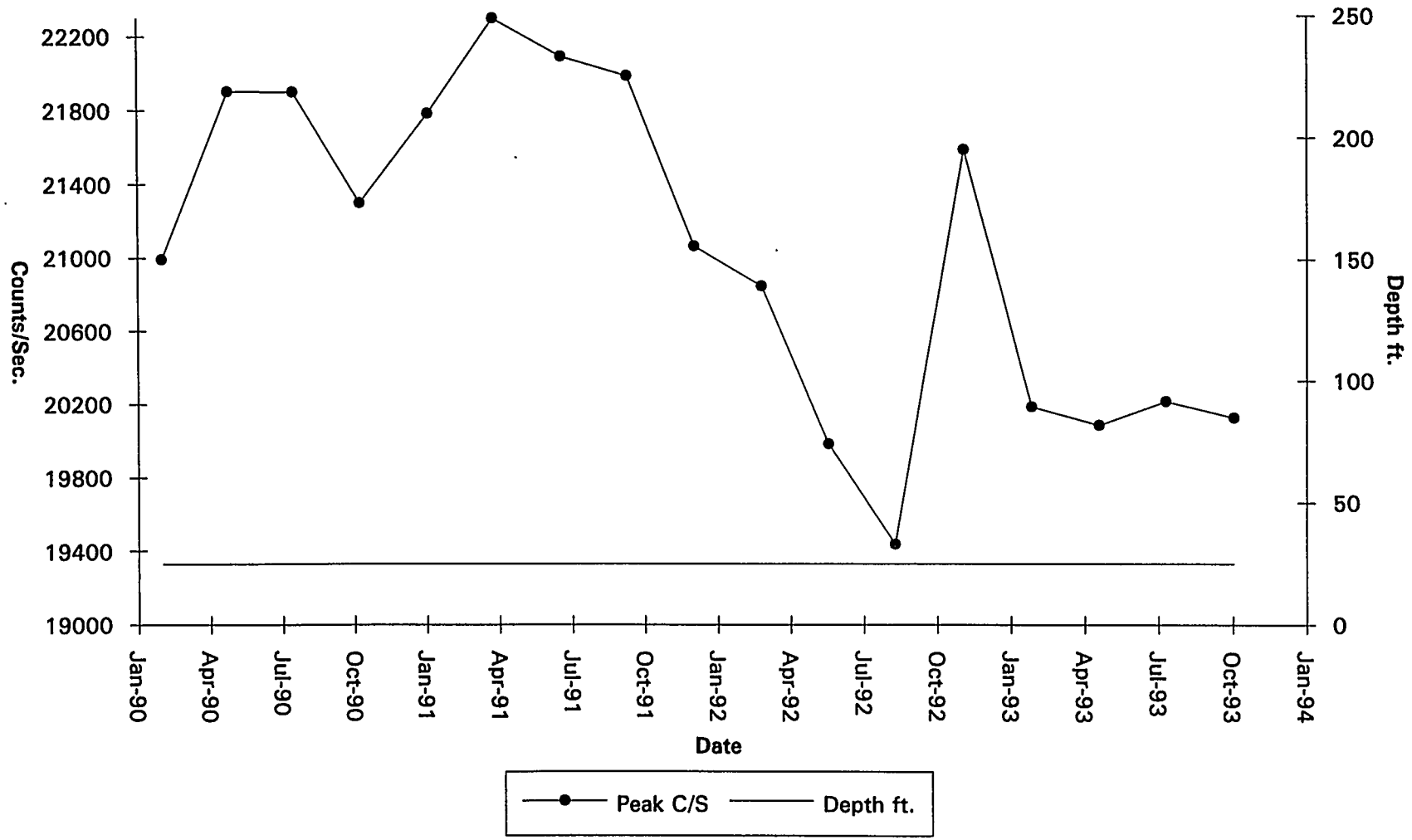


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.



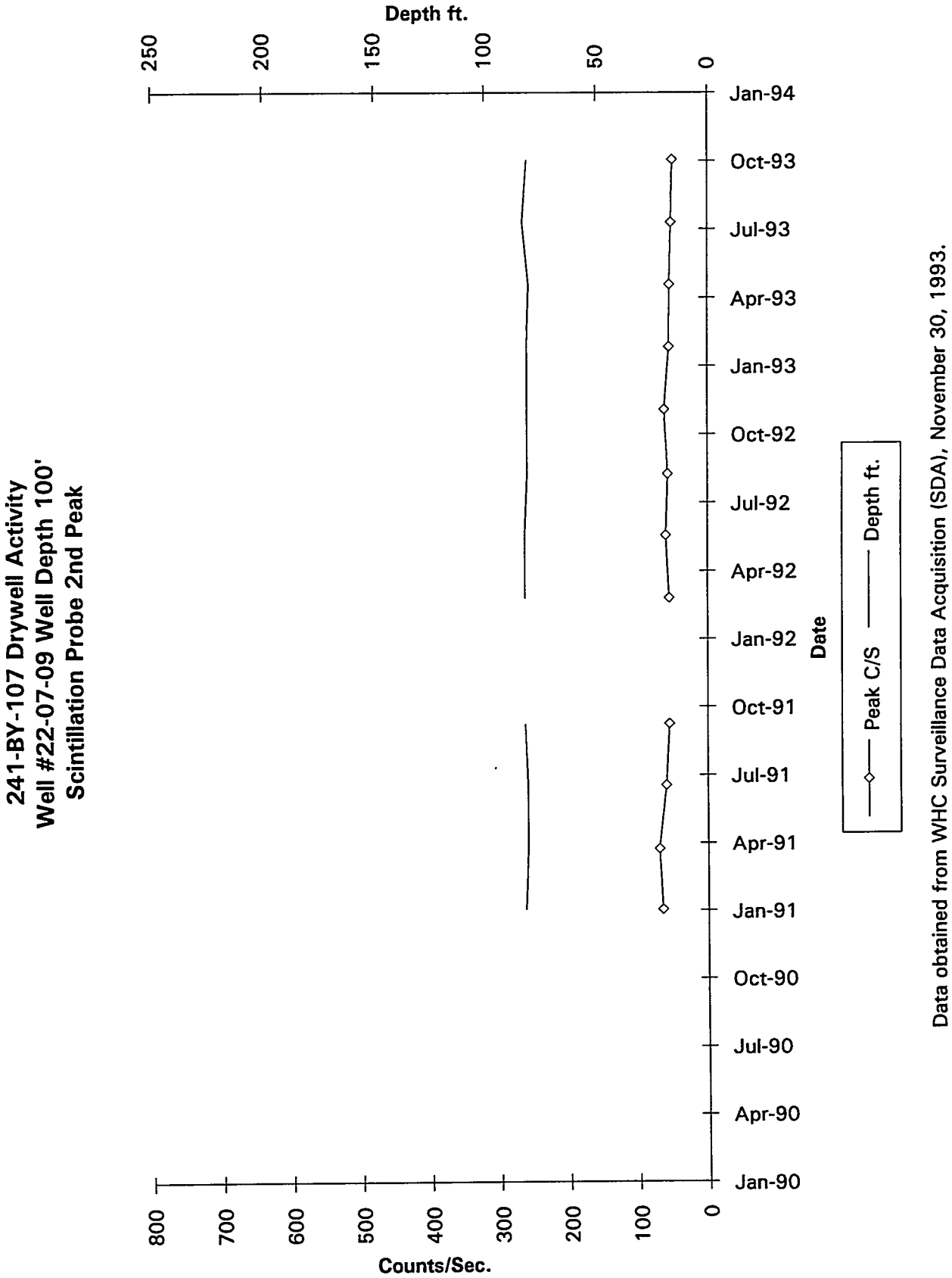
Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-107 Drywell Activity
Well #22-07-09 Well Depth 100'
Scintillation Probe 1st Peak



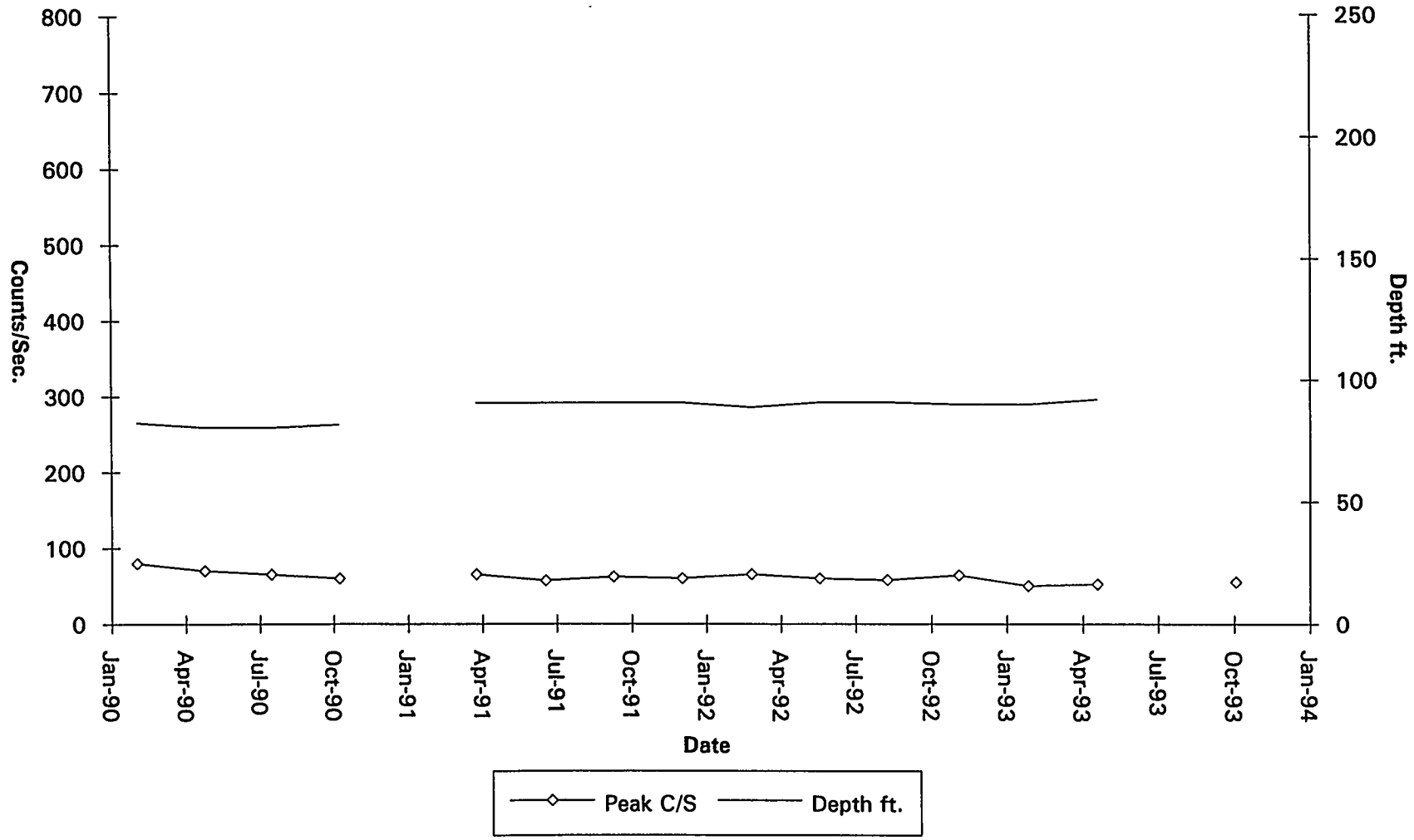
Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

Graph not to scale with others.



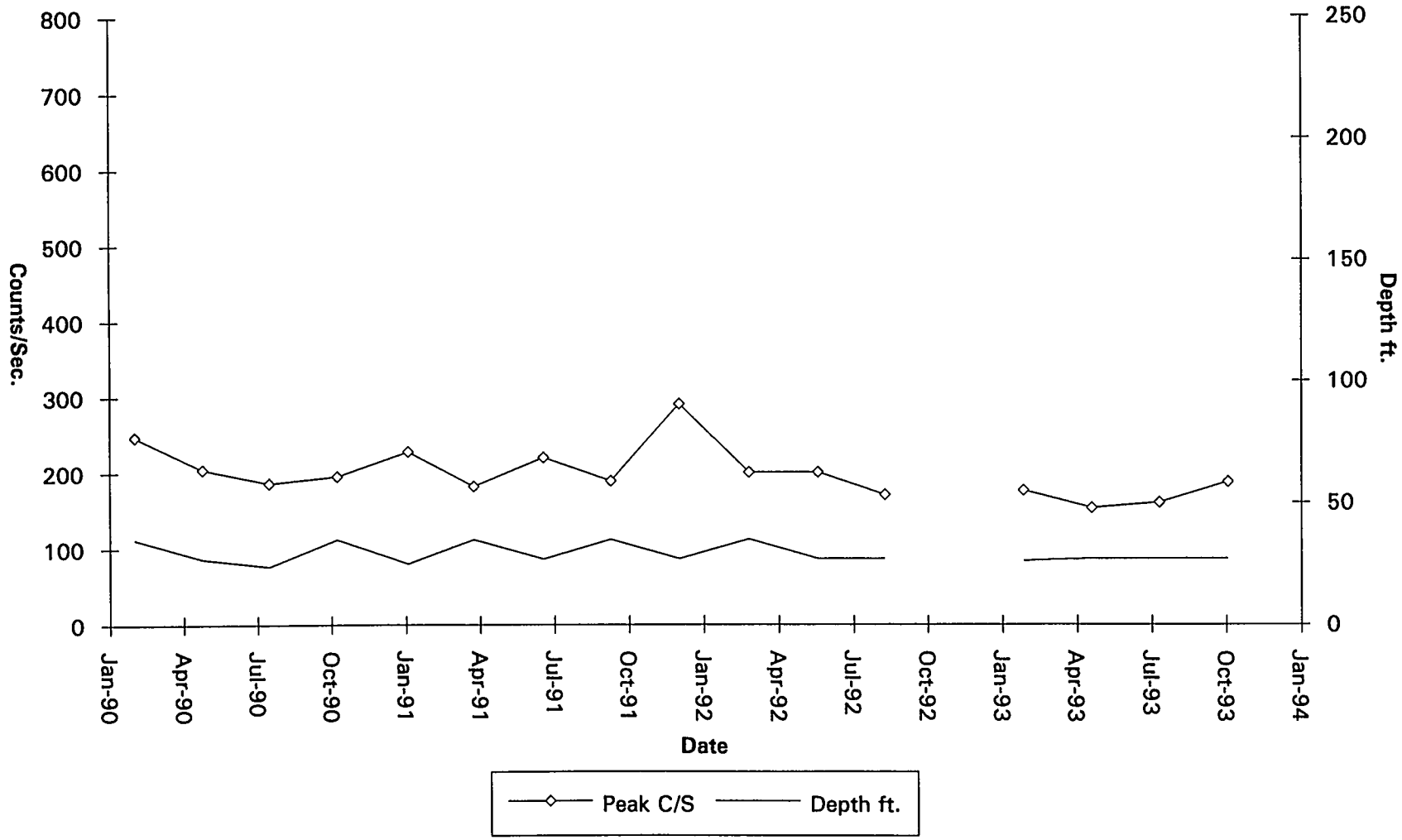
Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-107 Drywell Activity
Well #22-07-09 Well Depth 100'
Scintillation Probe 3rd Peak

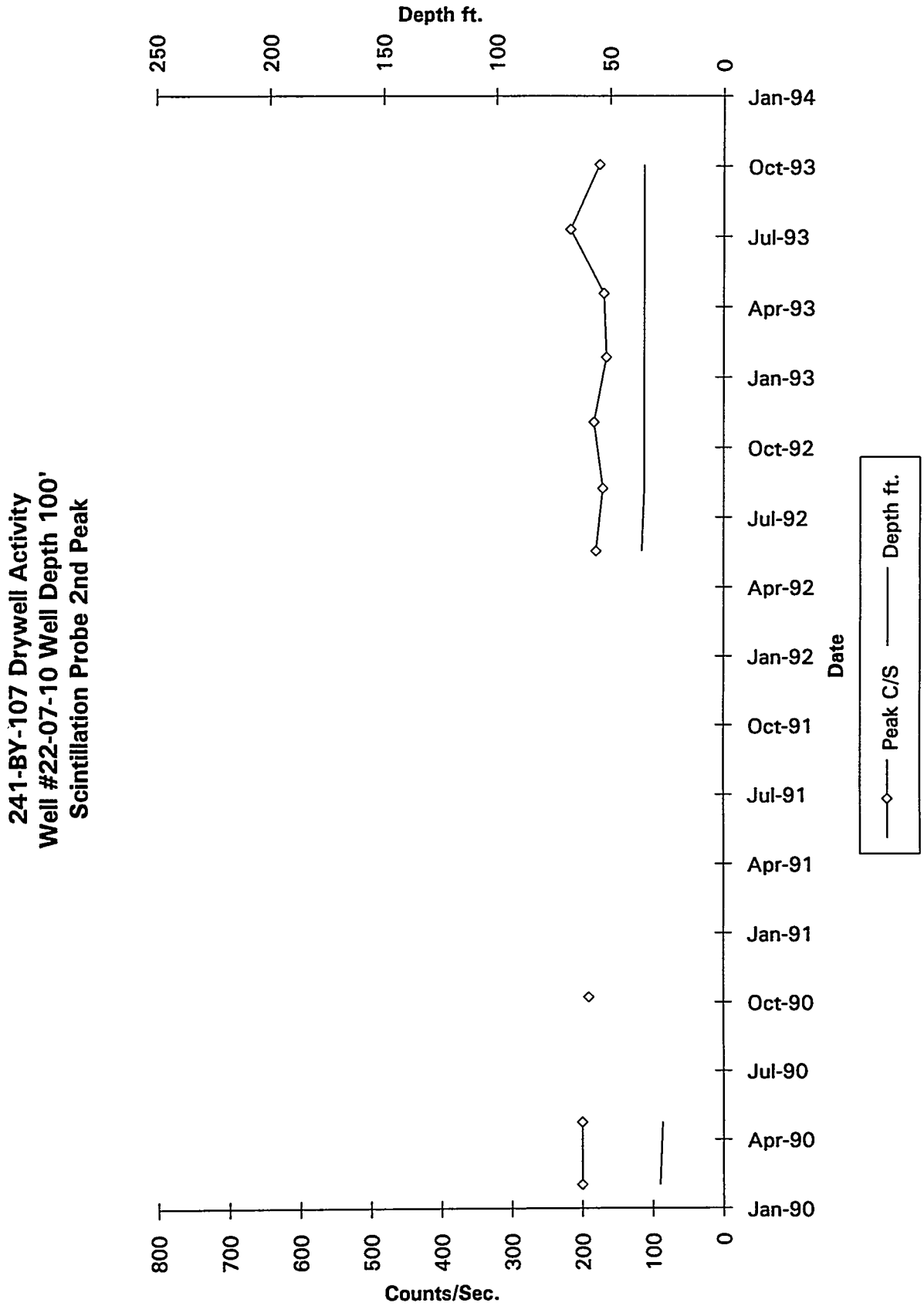


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

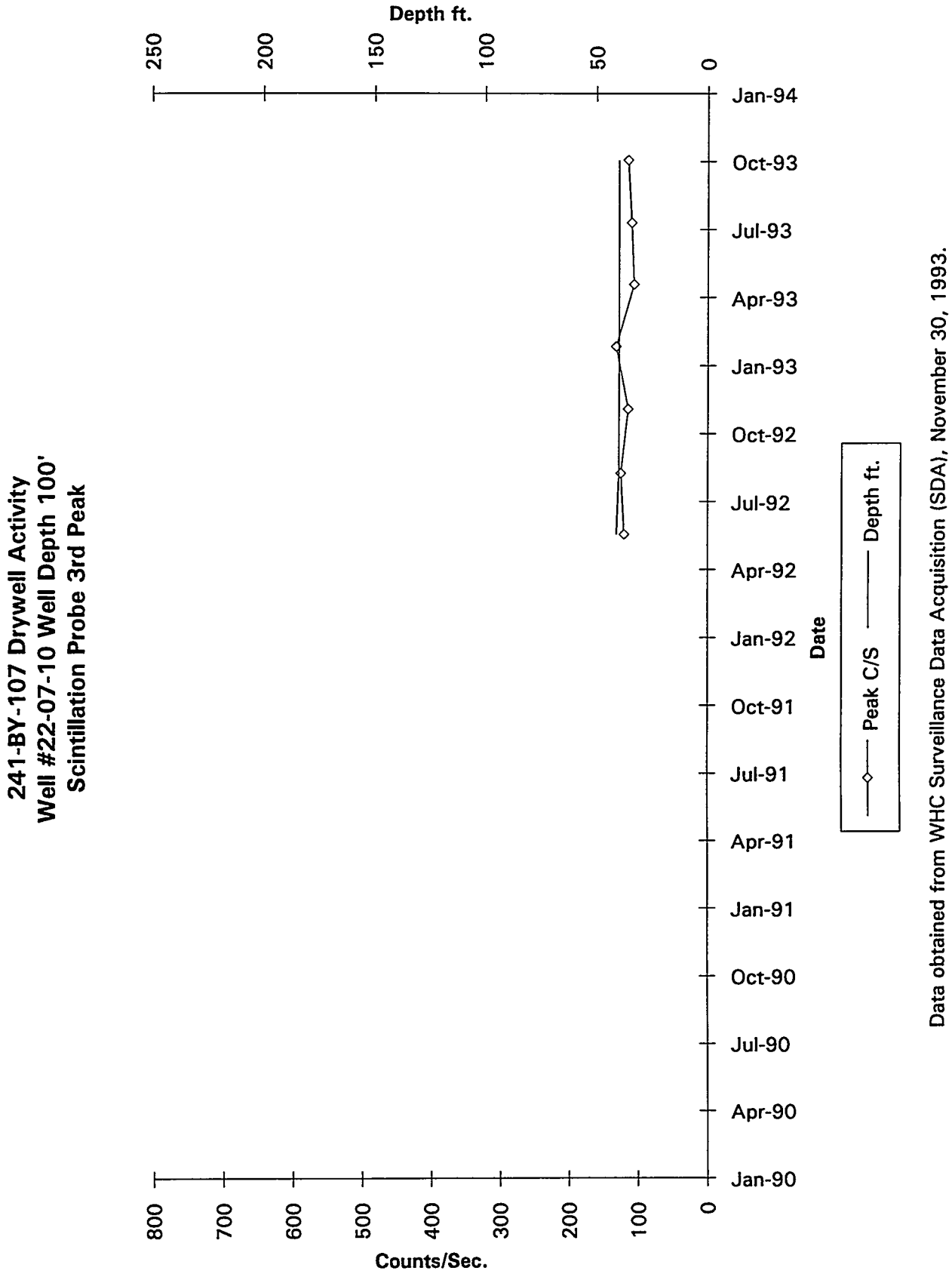
241-BY-107 Drywell Activity
Well #22-07-10 Well Depth 100'
Scintillation Probe 1st Peak



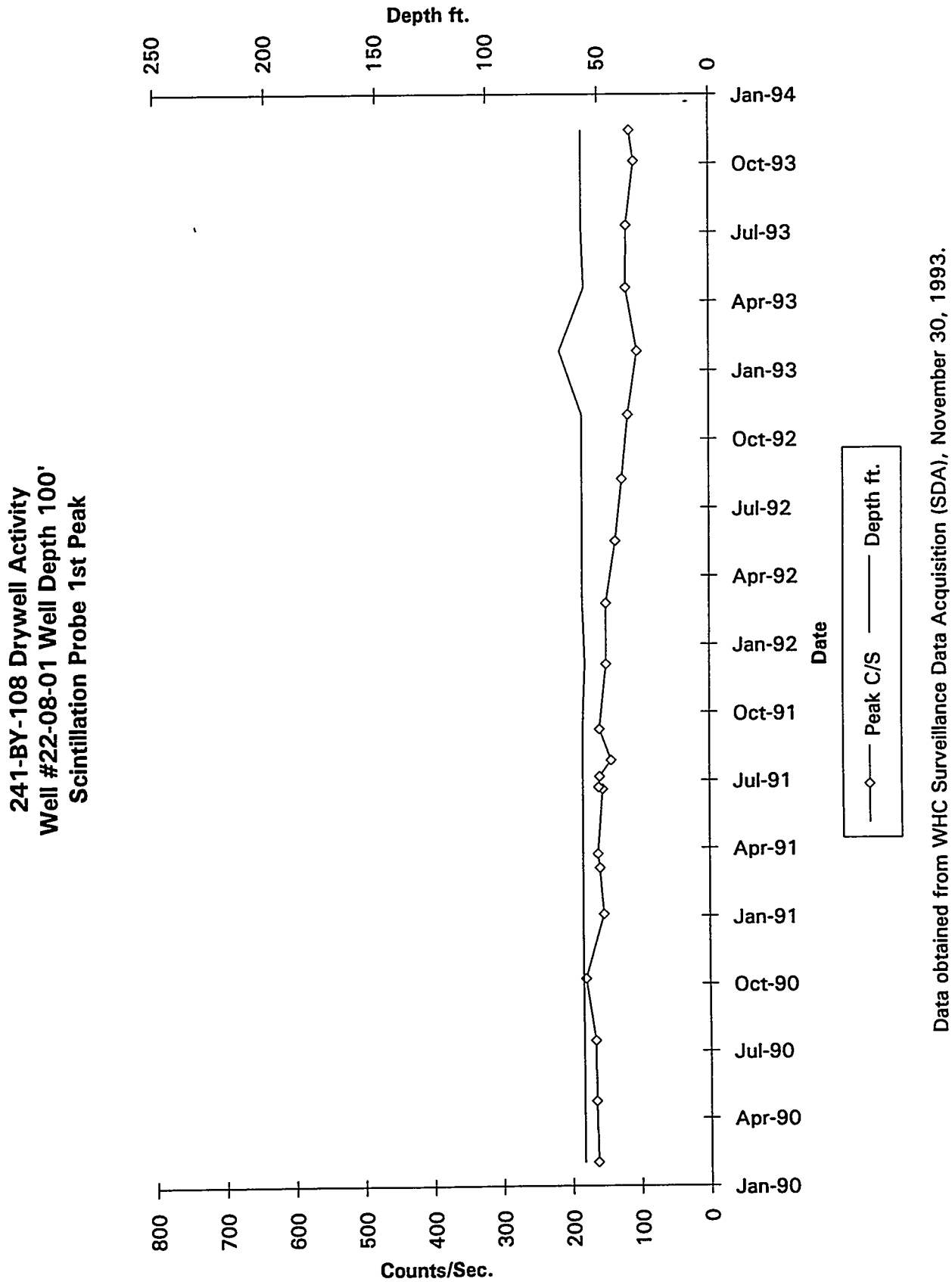
Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.



Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

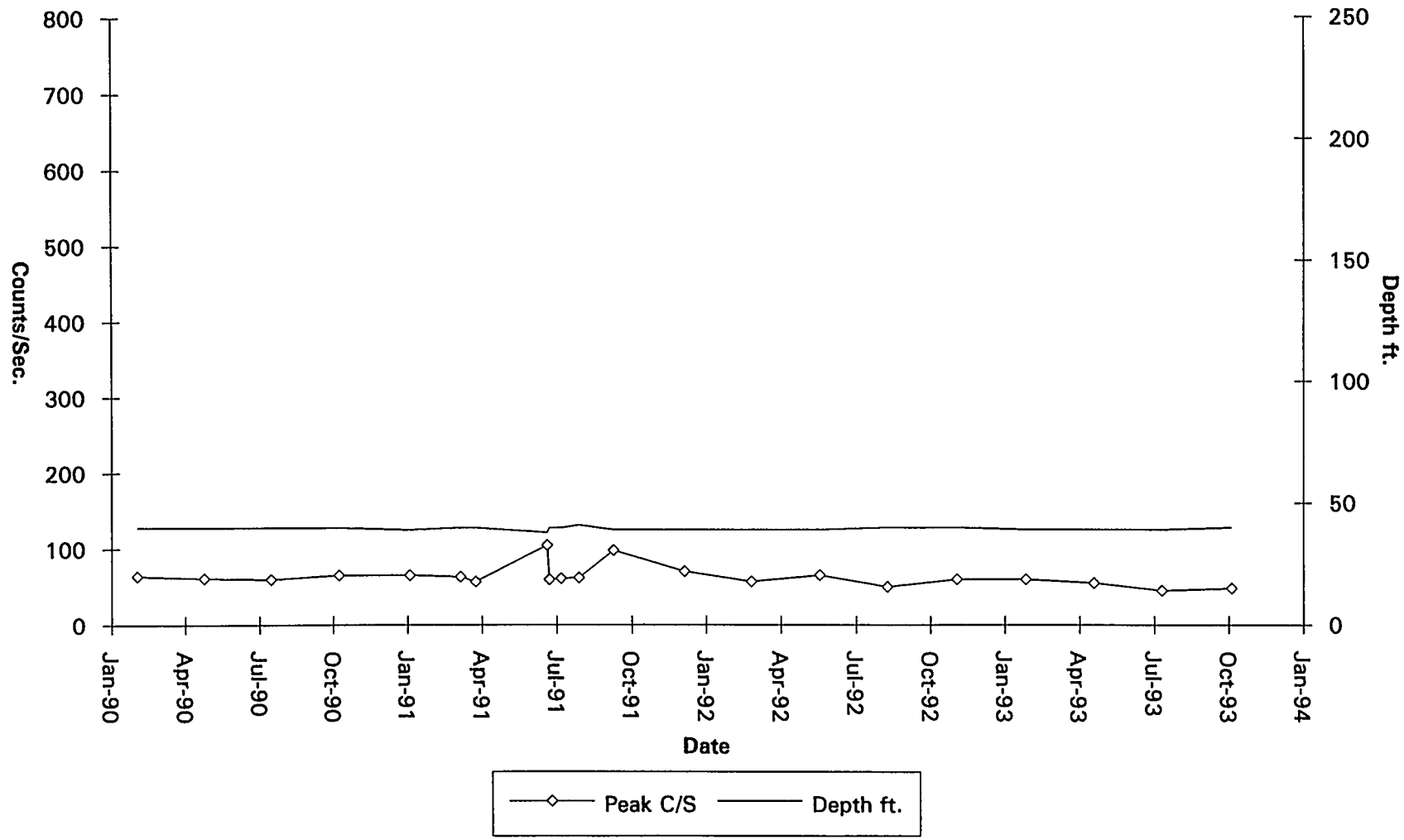


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.



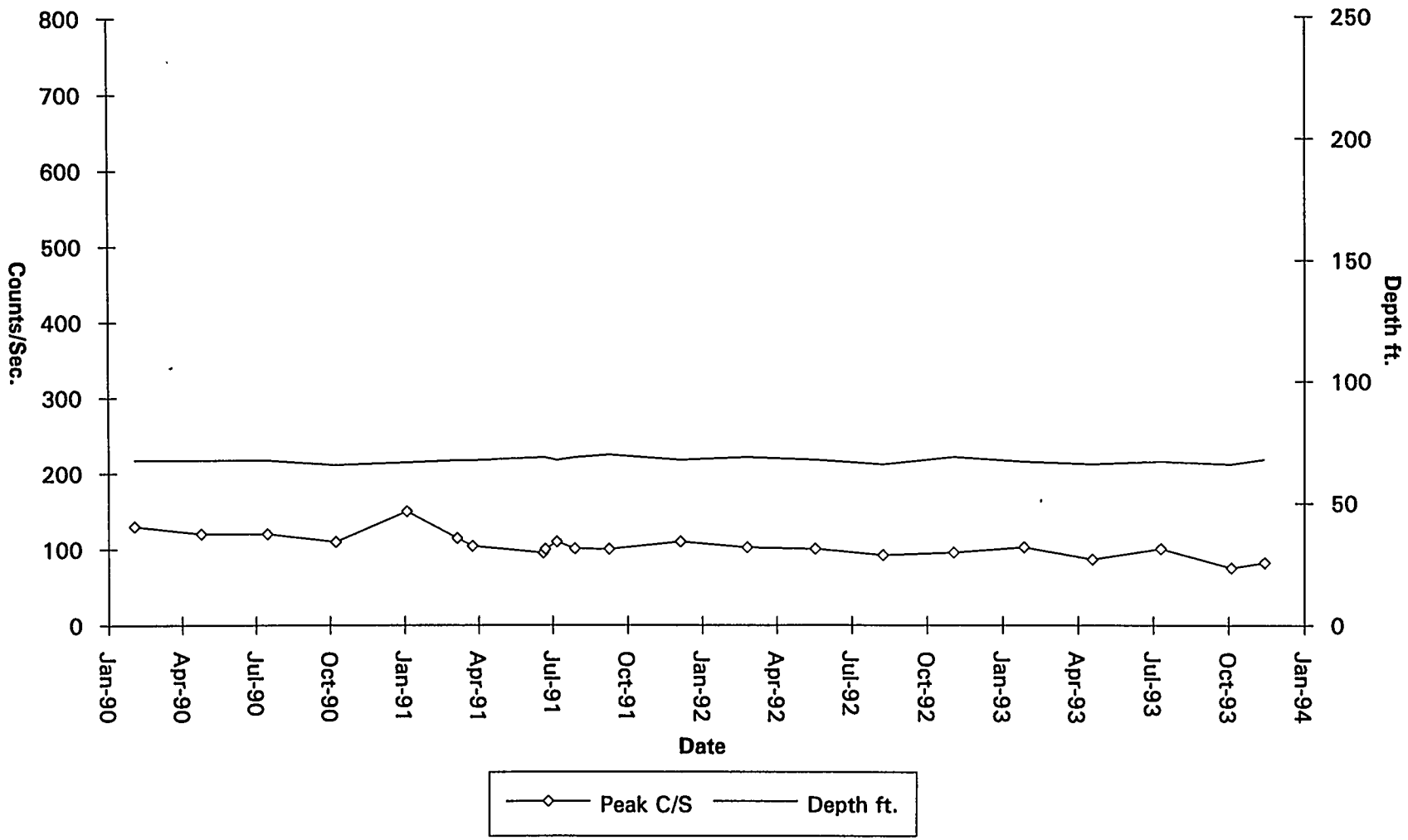
Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-108 Drywell Activity
Well #22-08-01 Well Depth 100'
Scintillation Probe 2nd Peak



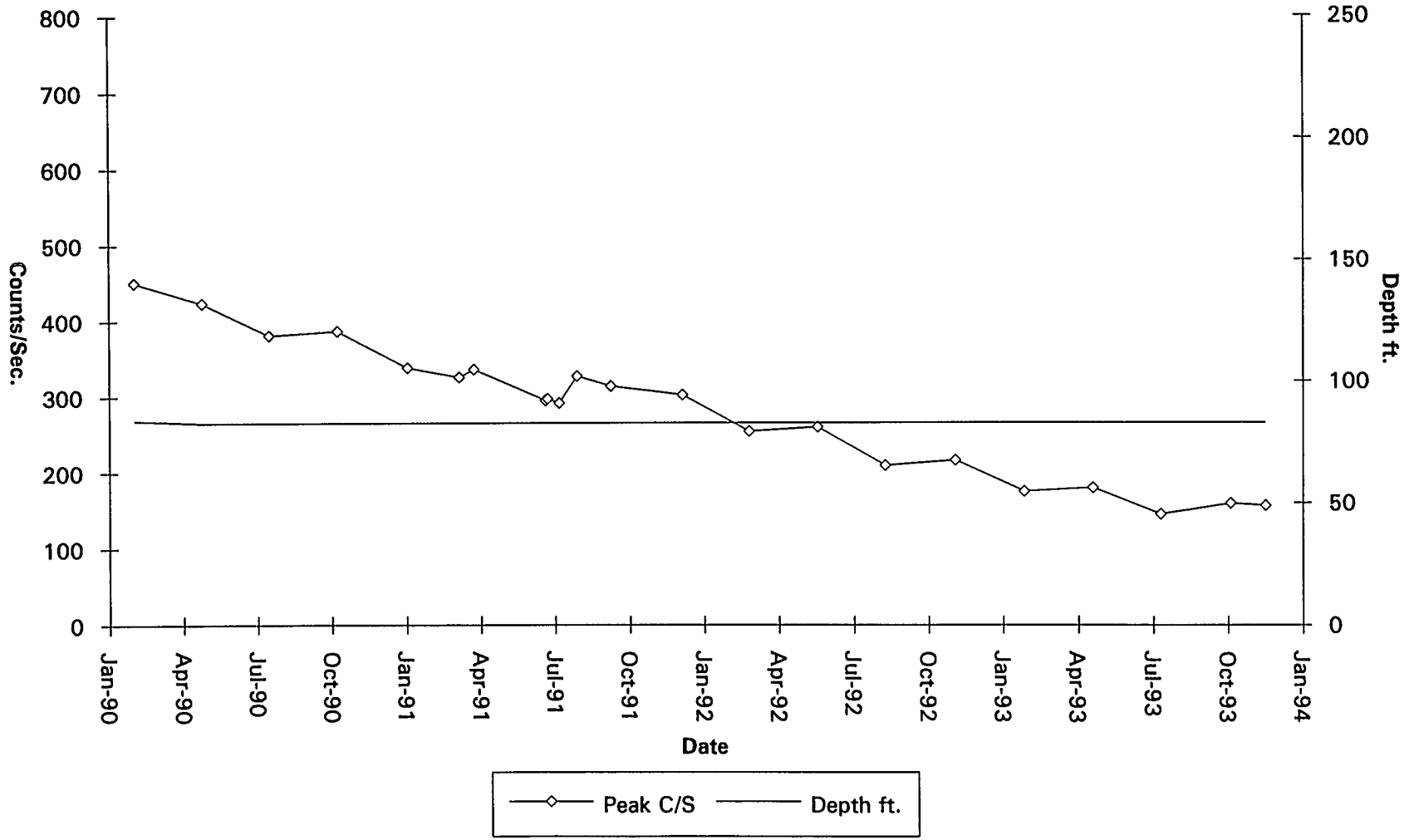
Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-108 Drywell Activity
Well #22-08-01 Well Depth 100'
Scintillation Probe 3rd Peak

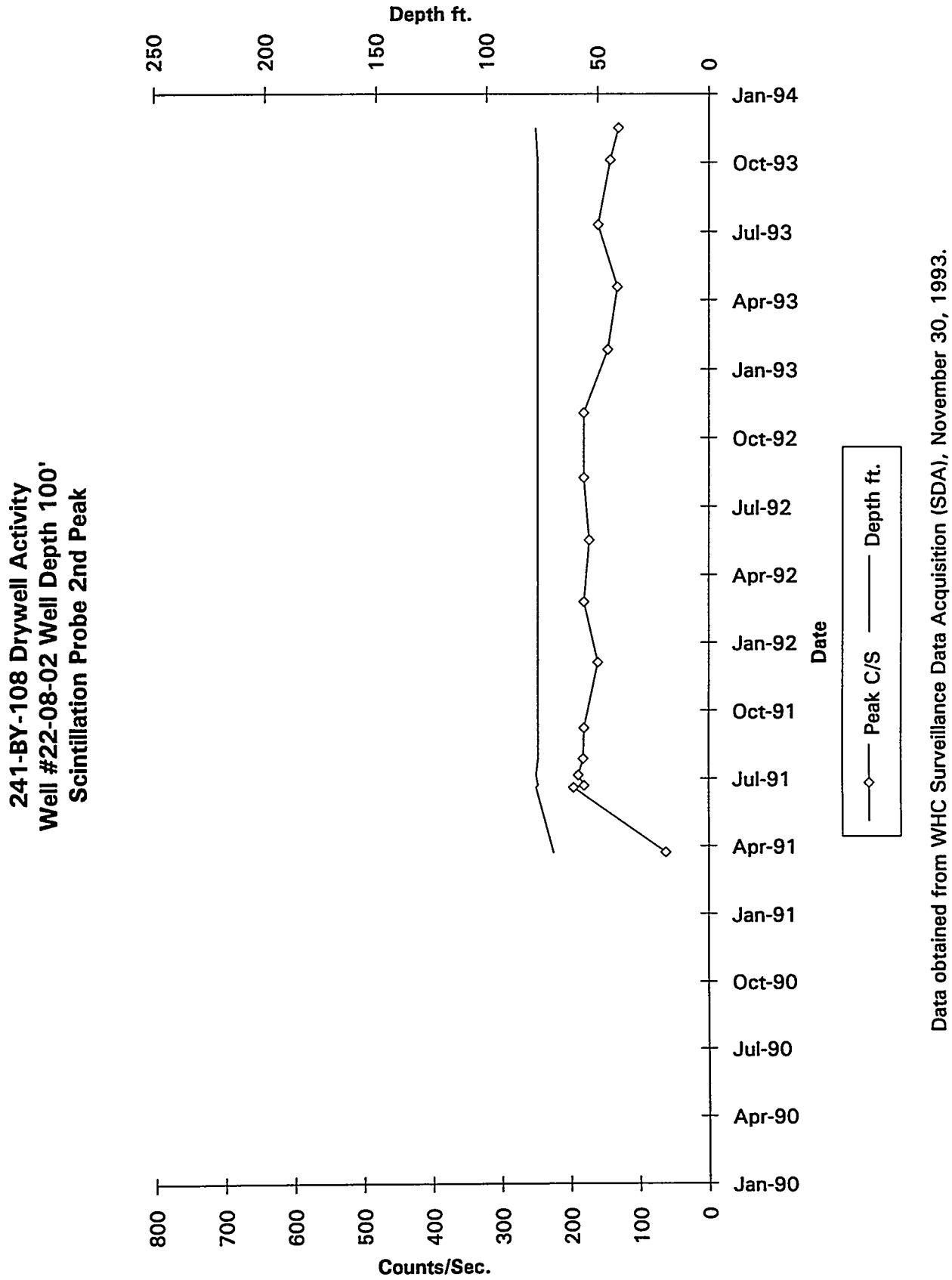


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-108 Drywell Activity
Well #22-08-02 Well Depth 100'
Scintillation Probe 1st Peak

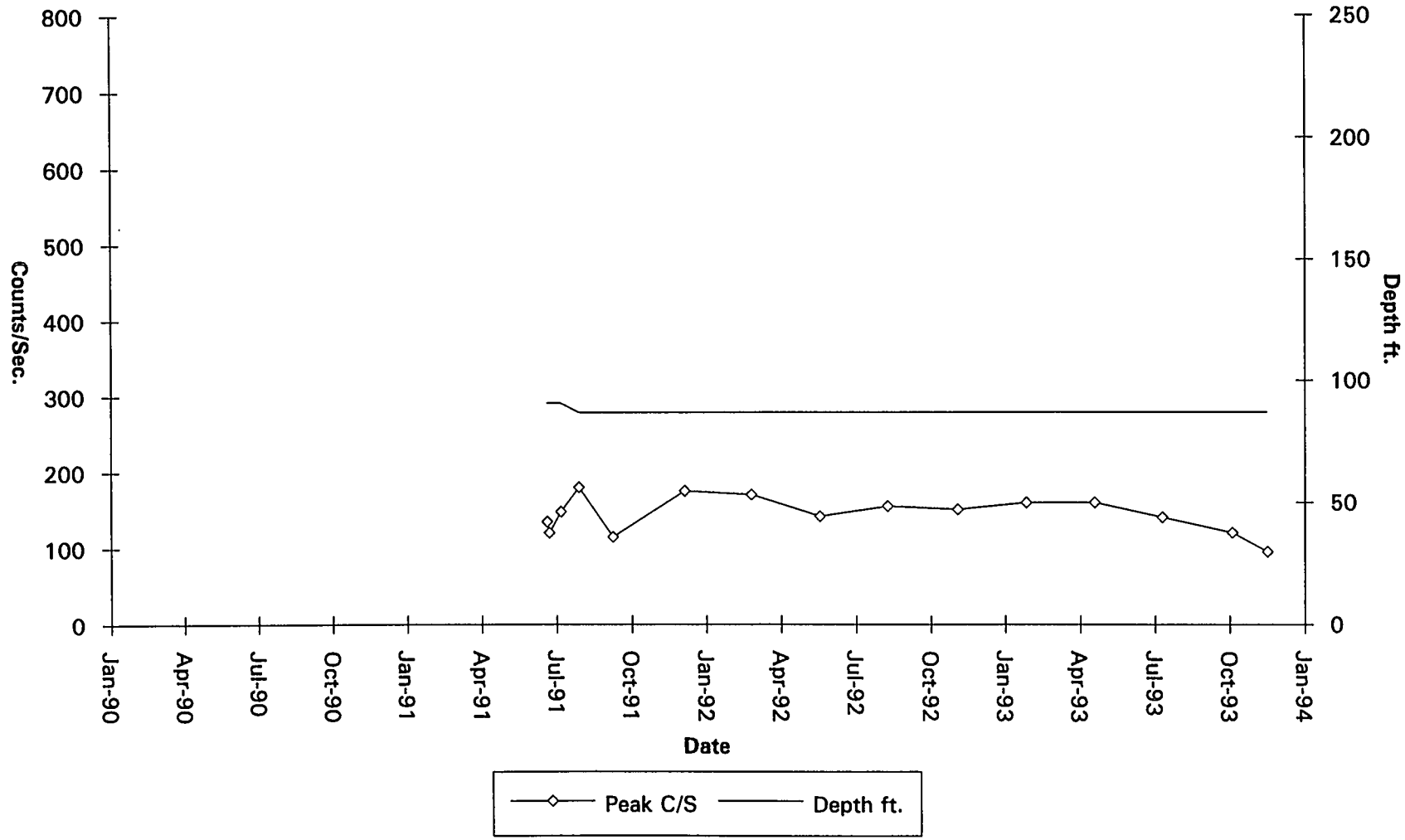


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

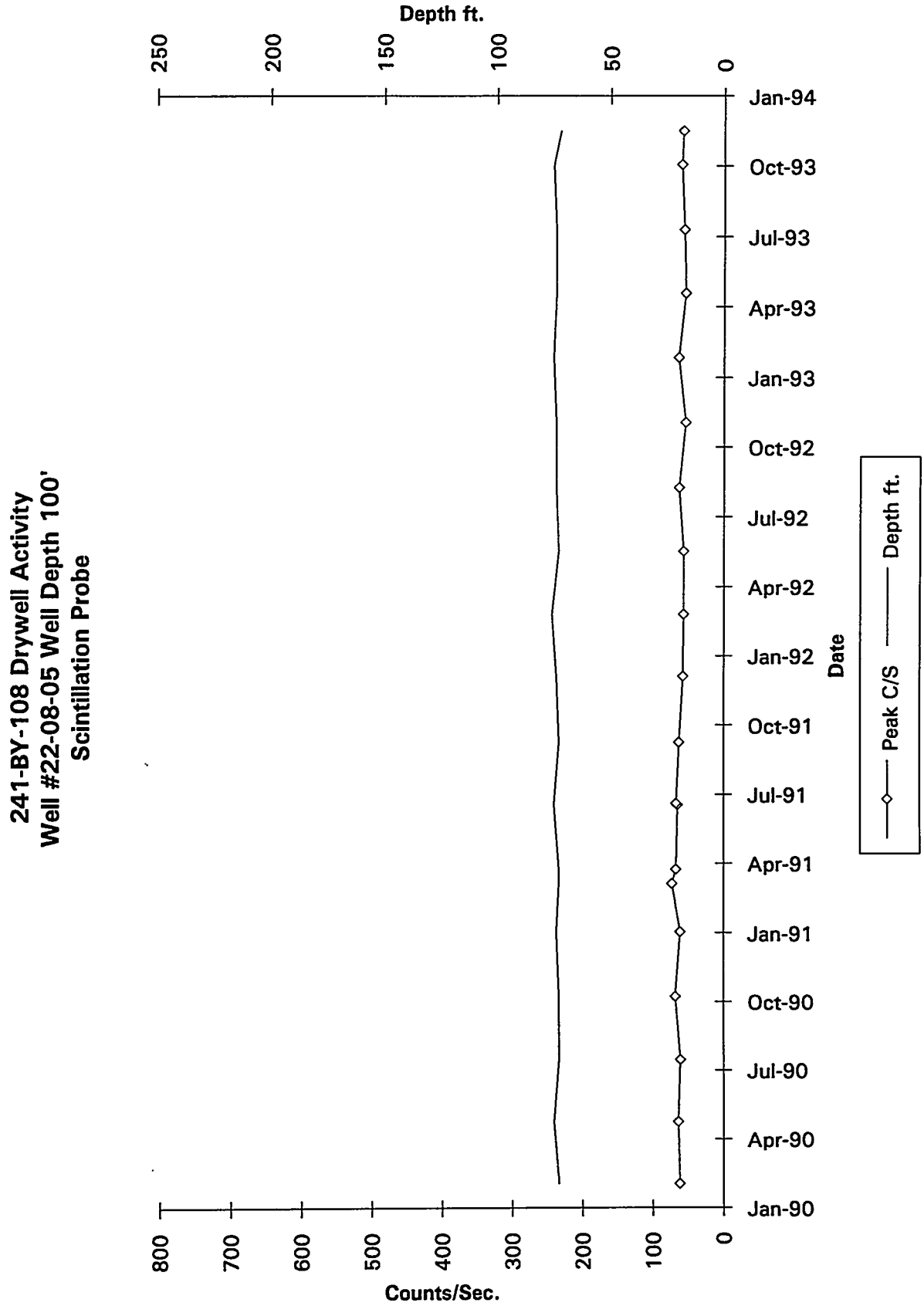


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-108 Drywell Activity
Well #22-08-02 Well Depth 100'
Scintillation Probe 3rd Peak

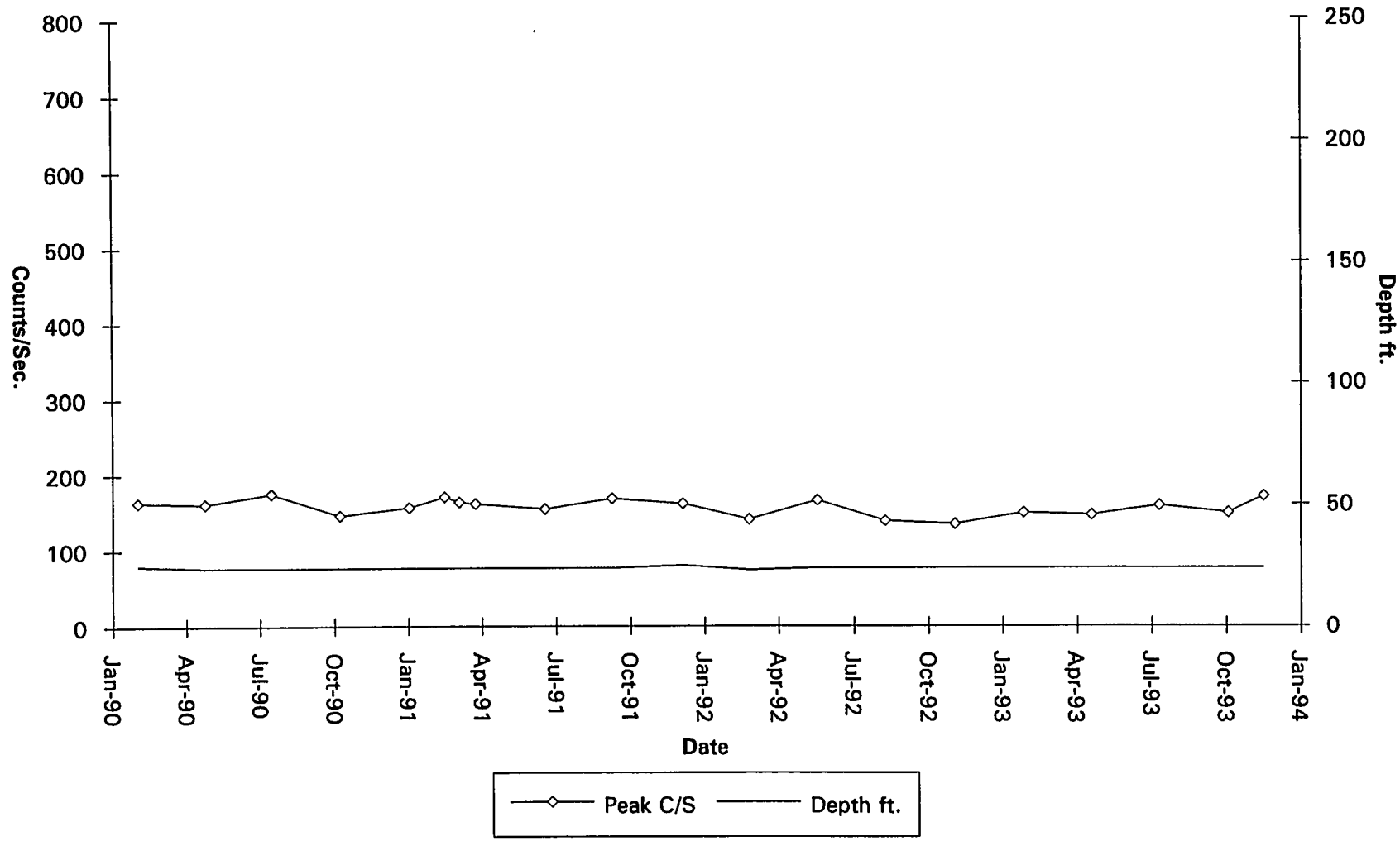


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

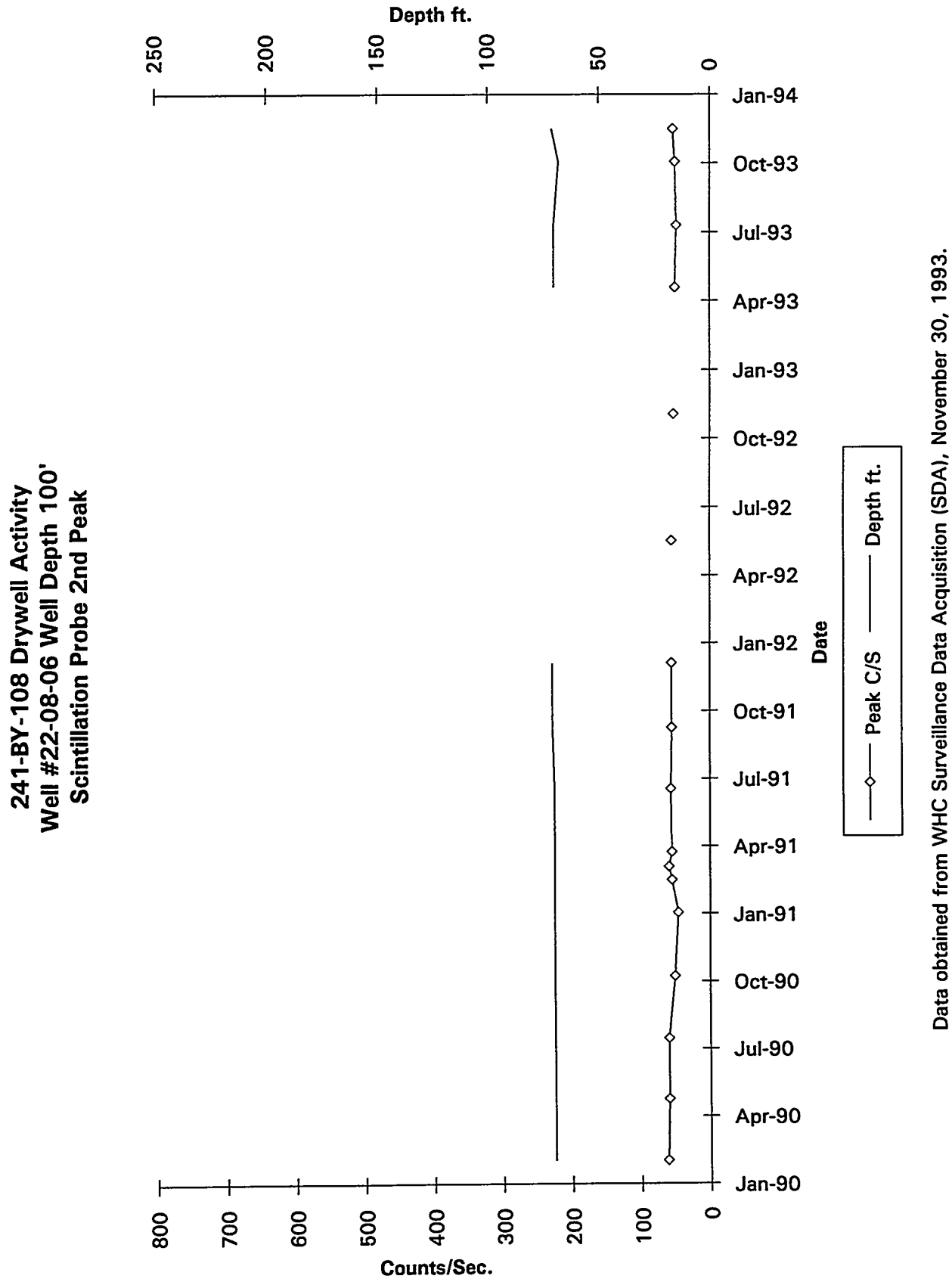


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-108 Drywell Activity
Well #22-08-06 Well Depth 100'
Scintillation Probe 1st Peak

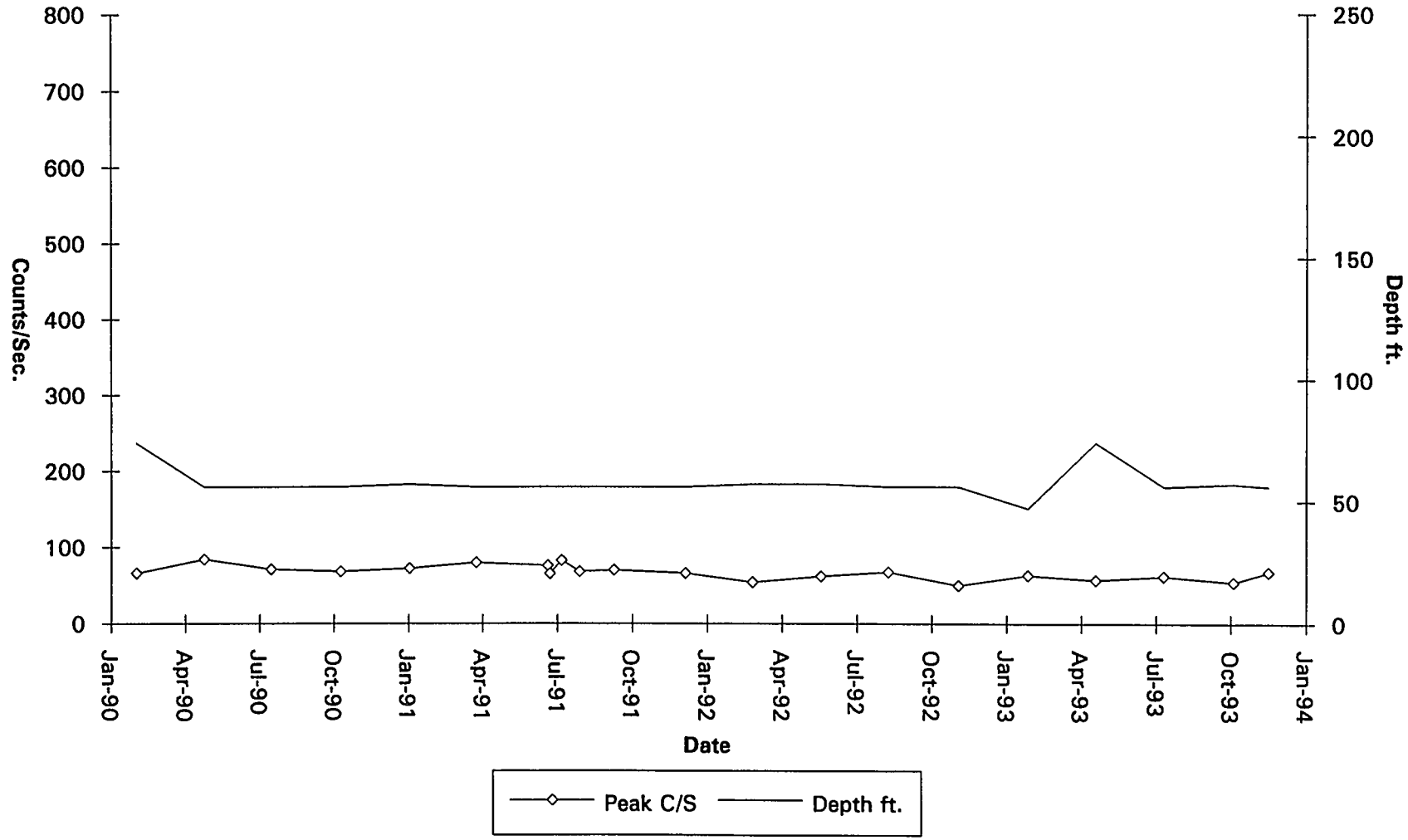


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

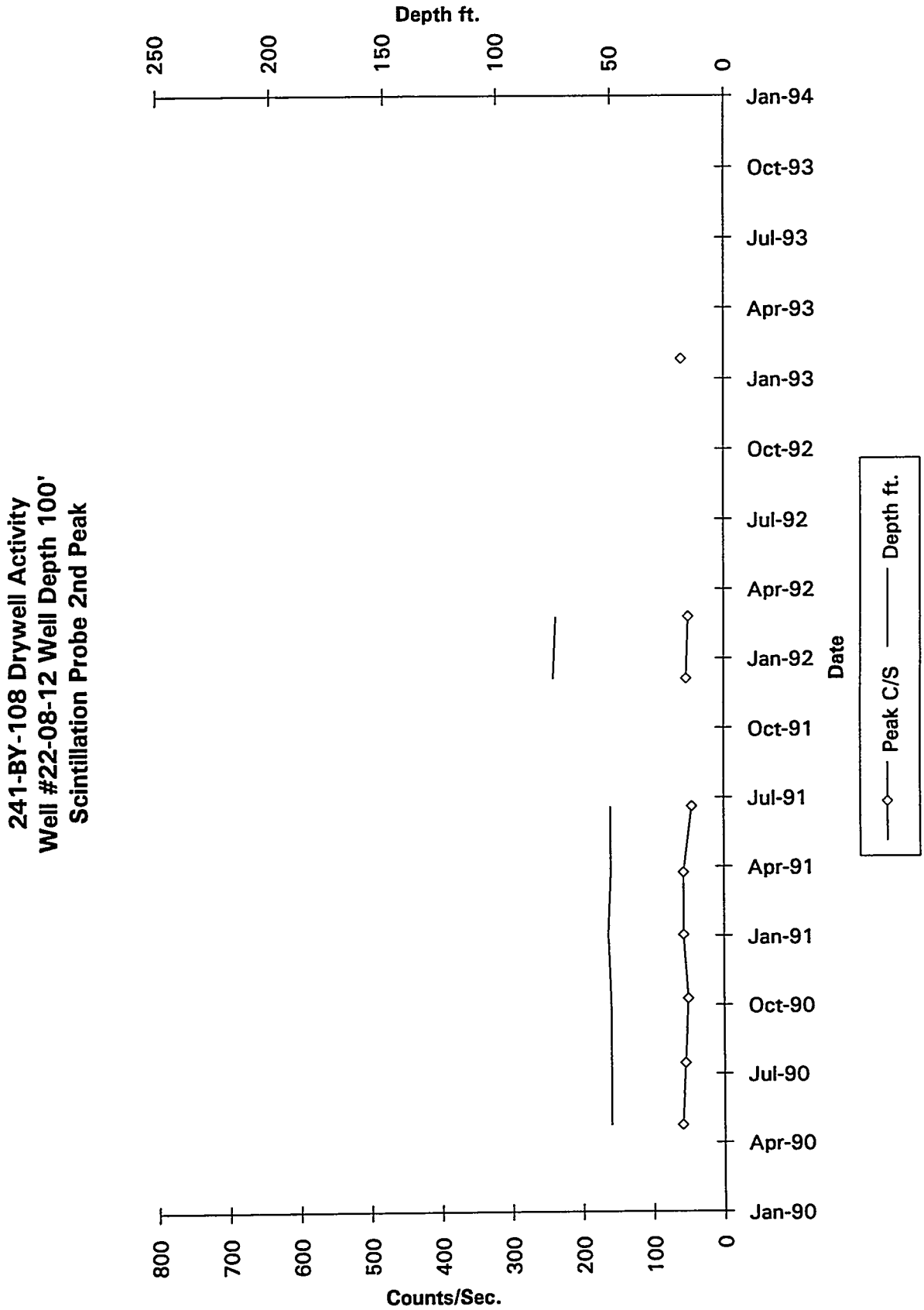


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-108 Drywell Activity
Well #22-08-12 Well Depth 100'
Scintillation Probe 1st Peak

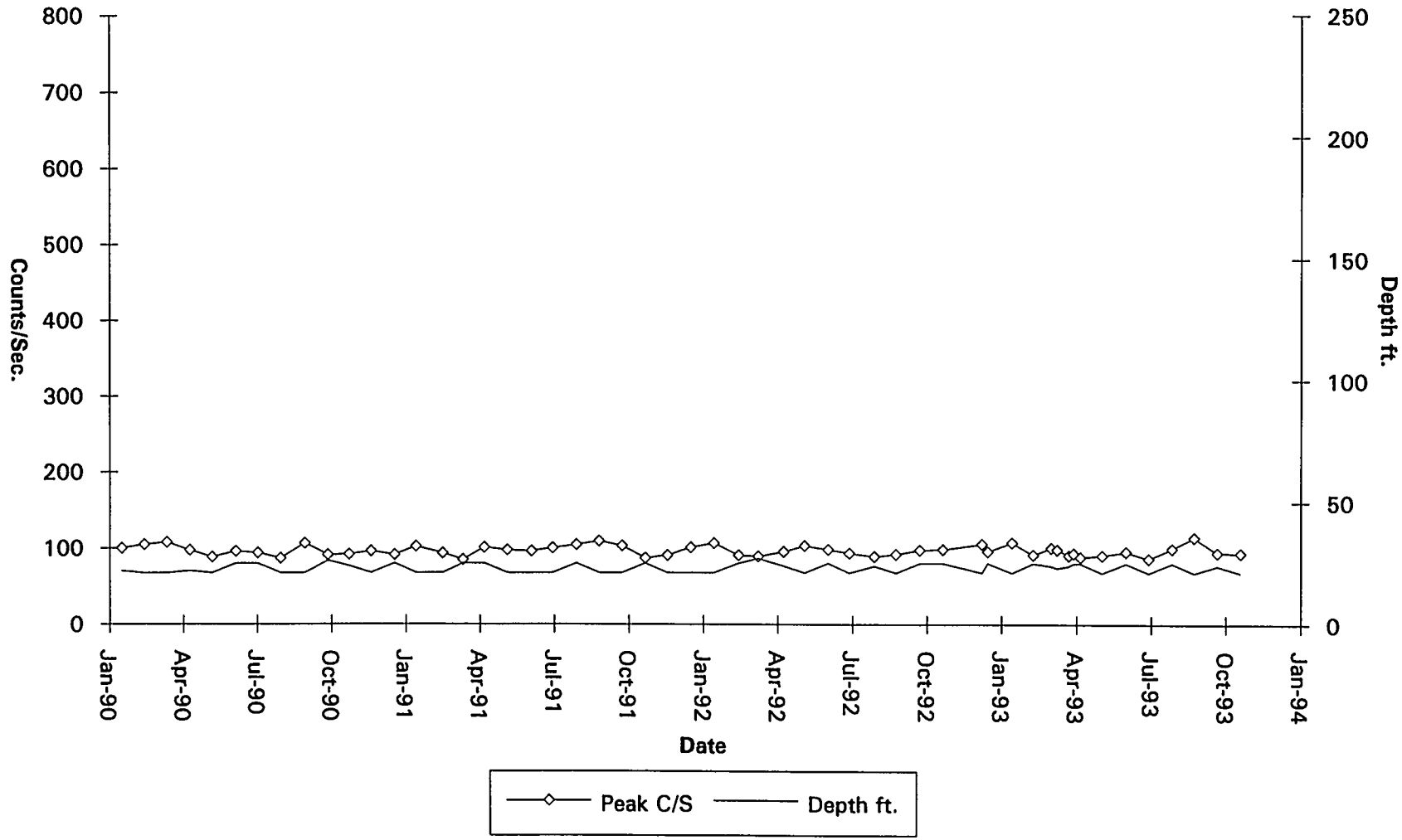


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.



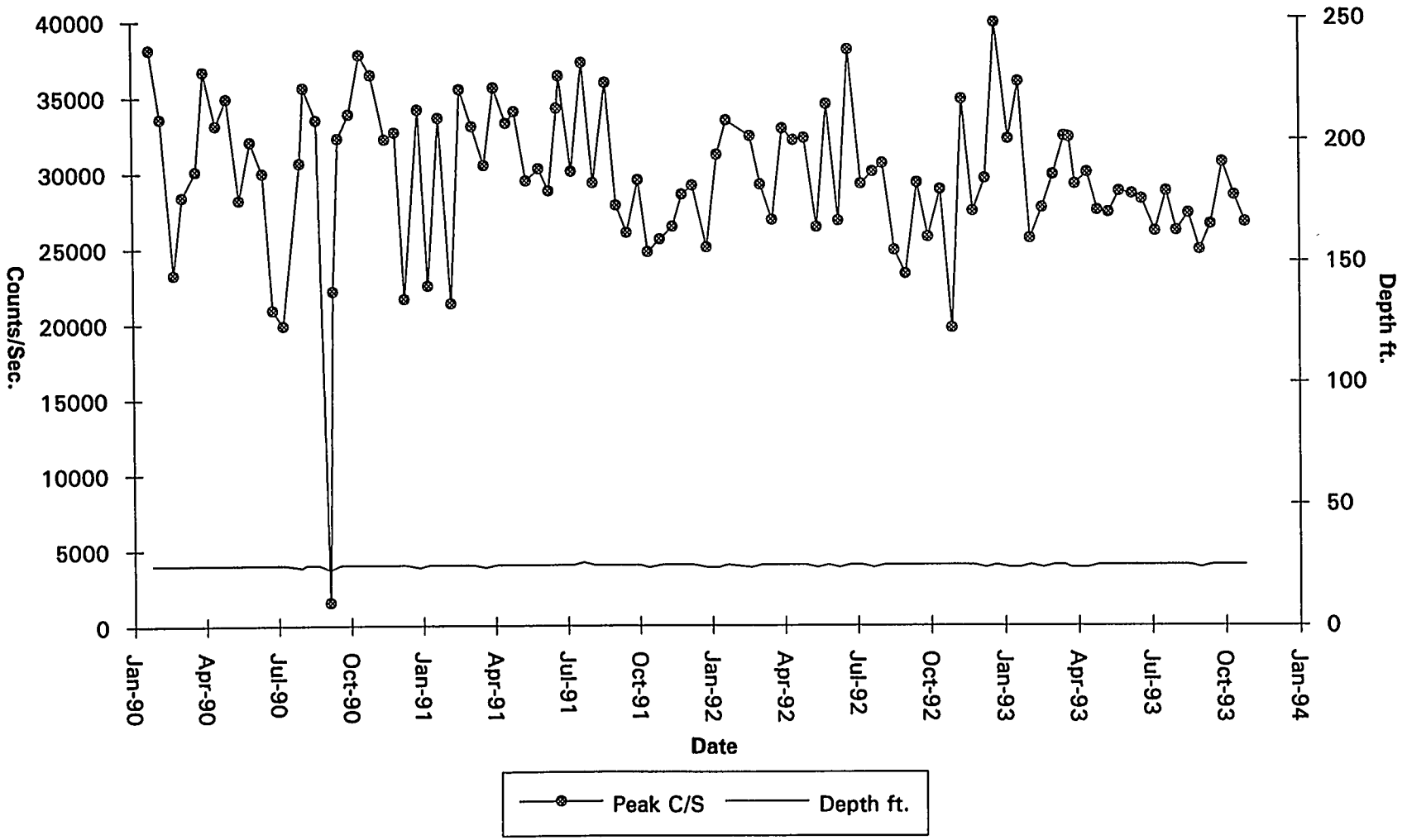
Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-109 Drywell Activity
Well #22-09-02 Well Depth 100'
Scintillation Probe



Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

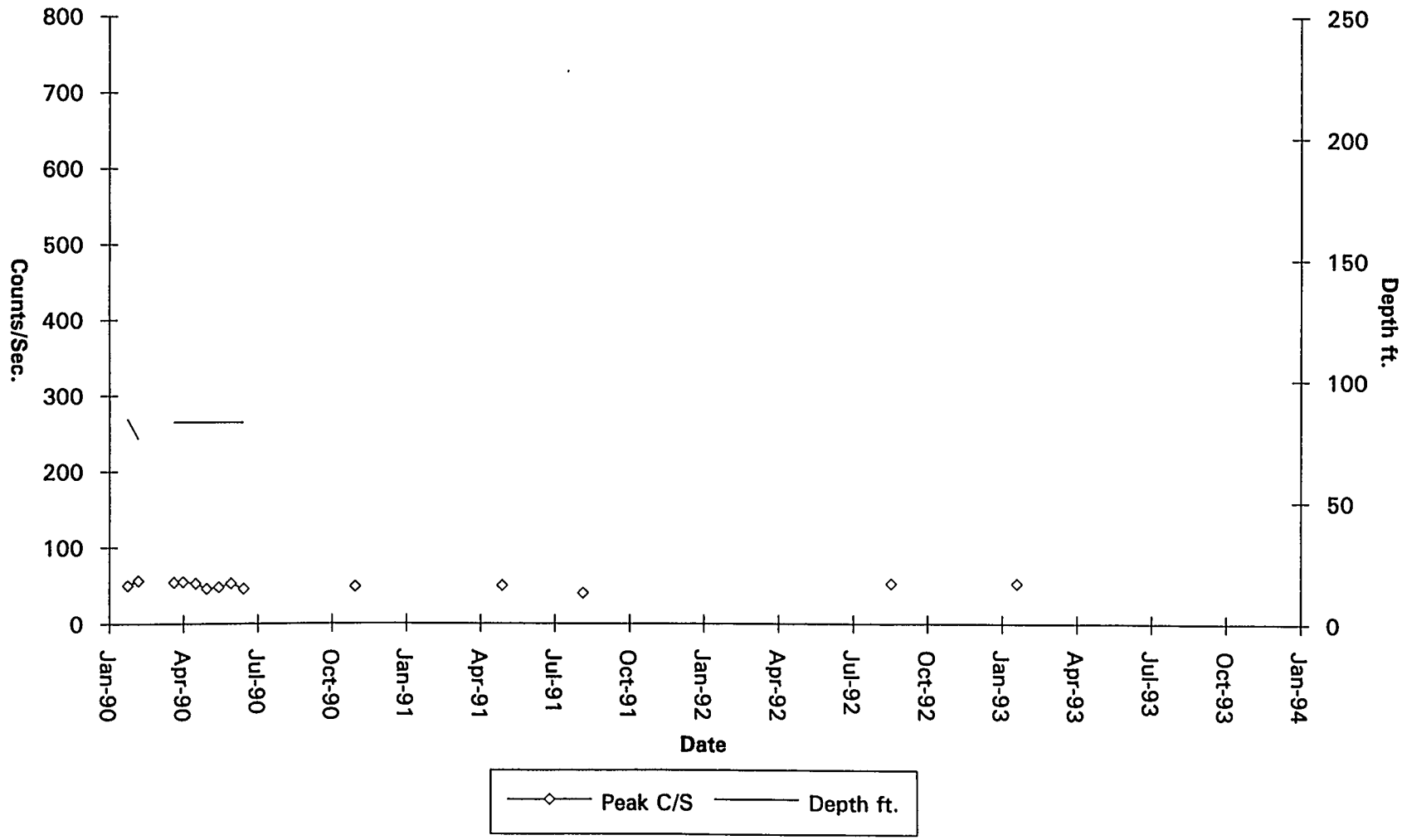
241-BY-109 Drywell Activity
Well #22-09-08 WellDepth 100'
Scintillation Probe 1st Peak



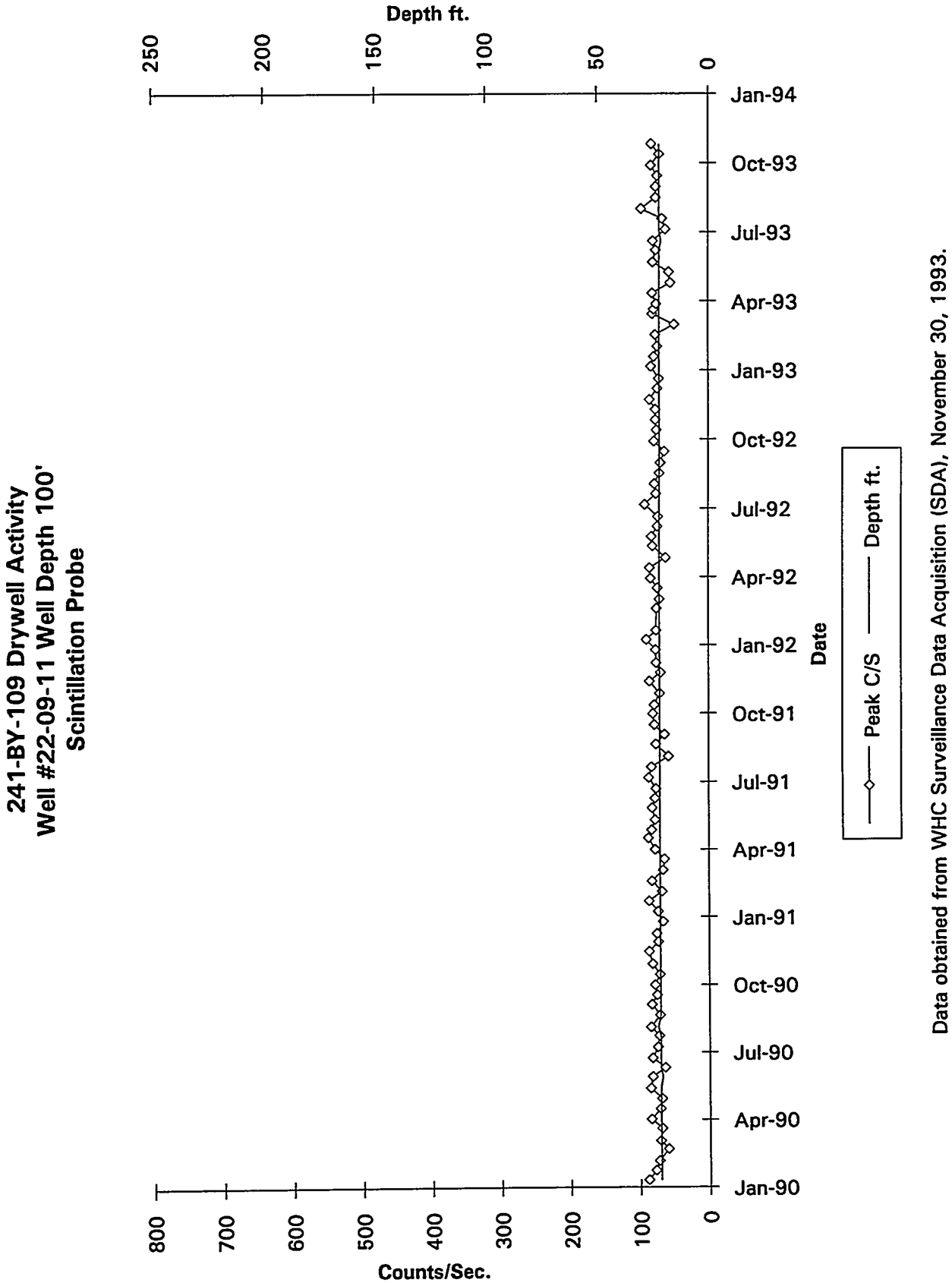
Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

Graph not to scale with others.

241-BY-109 Drywell Activity
Well #22-09-08 Well Depth 100'
Scintillation Probe 2nd Peak

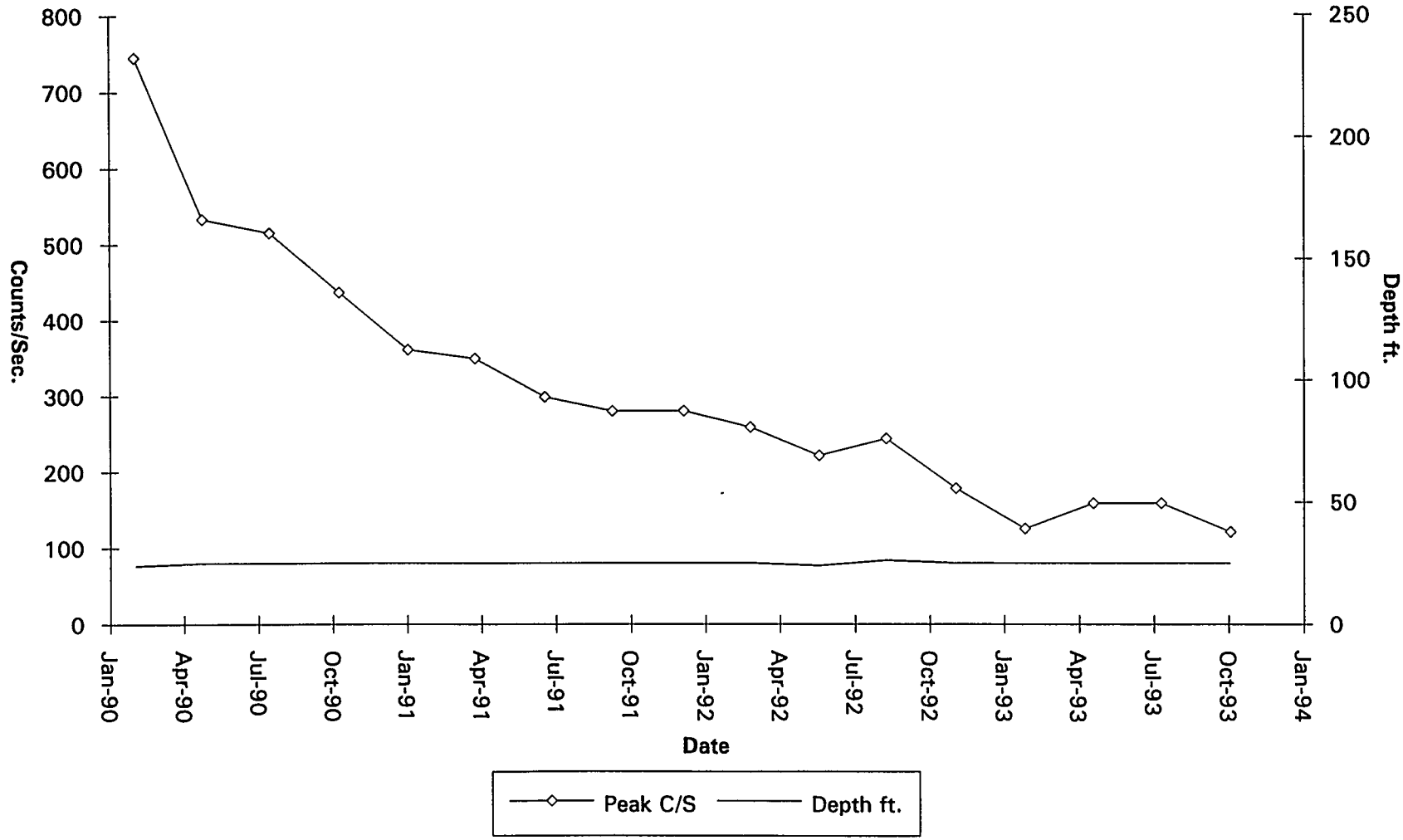


Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.



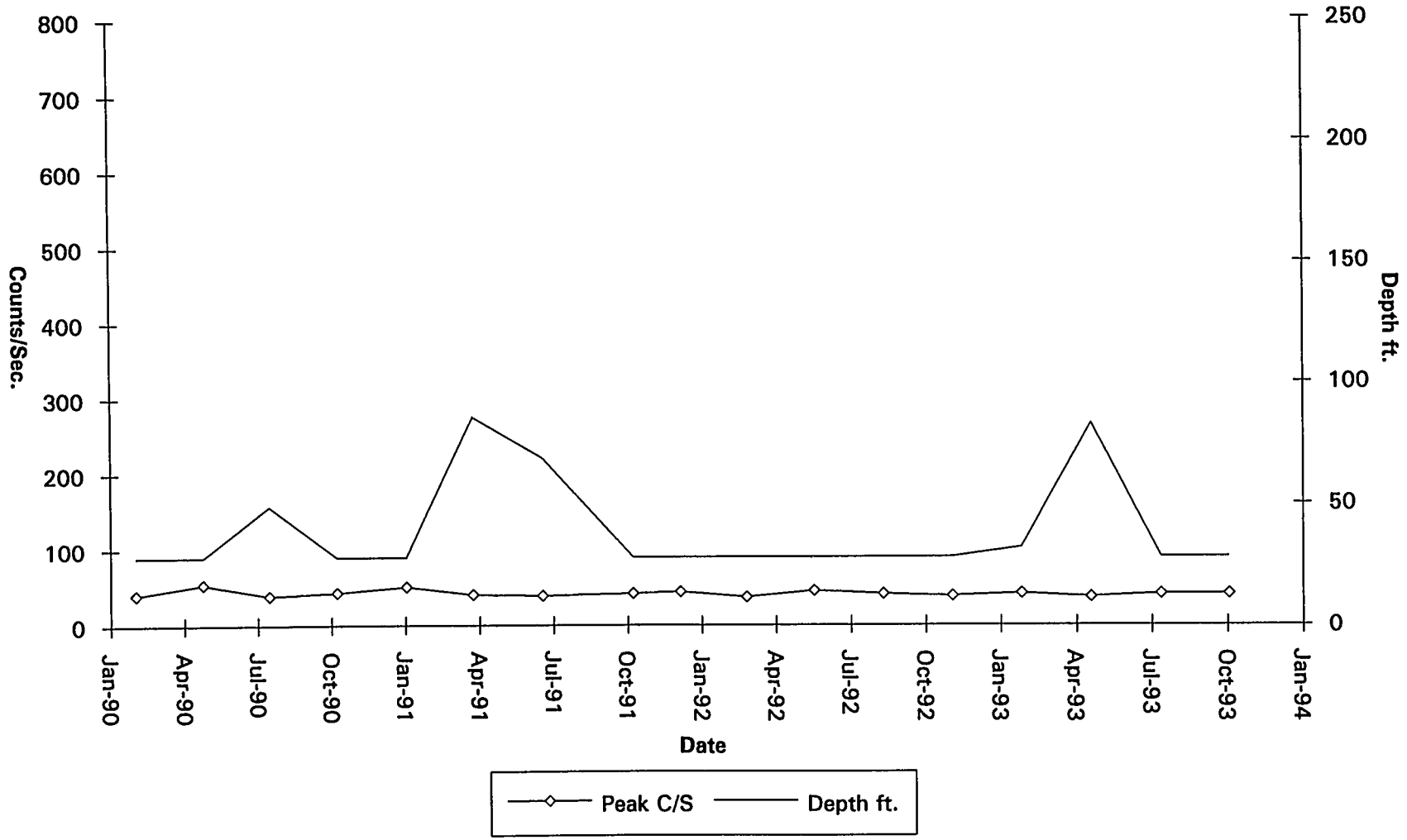
Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-111 Drywell Activity
Well #22-11-01 Well Depth 100'
Scintillation Probe



Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-111 Drywell Activity
Well #22-11-09 Well Depth 100'
Scintillation Probe



Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-FARM DRYWELL ACTIVITY						
WELL #22-00-01 WELL DEPTH 140'						
SCINTILLATION PROBE						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/31/90	32	122				
2/1/90	48	55				
4/26/90	50	92				
7/19/90	51	91				
10/12/90	46	54				
1/4/91	53	57				
3/6/91	47	60				
3/28/91	48	59				
6/19/91	53	59				
9/12/91	51	91				
12/6/91	54	59				
2/28/92	39	47				
5/20/92	61	59				
8/13/92	51	59				
11/4/92	54	60				
4/21/93	46	92				
7/14/93	45	60				
10/7/93	40	60				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-FARM DRYWELL ACTIVITY						
WELL #22-00-02 WELL DEPTH 100'						
SCINTILLATION PROBE						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
6/6/90	53	84				
3/6/91	48	85				
6/11/91	48	89				
6/15/92	46	88				
6/17/93	42	91				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-FARM DRYWELL ACTIVITY						
WELL #22-00-03 WELL DEPTH 150'						
SCINTILLATION PROBE						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
6/7/90	161	62				
3/6/91	144	73				
6/11/91	142	73				
6/15/92	132	57				
6/17/93	124	73				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-101 DRYWELL ACTIVITY						
WELL #22-01-10 WELL DEPTH 100'						
SCINTILLATION PROBE 1st Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/31/90	97	22				
4/26/90	96	22				
7/17/90	105	22				
10/10/90	101	23				
12/31/90	106	22				
3/6/91	93	22				
3/26/91	77	22				
6/19/91	98	22				
9/9/91	97	22				
12/2/91	80	23				
2/27/92	93	22				
5/20/92	94	22				
8/11/92	93	22				
11/4/92	83	23				
1/27/93	82	22				
4/21/93	80	21				
7/15/93	81	21				
7/21/93	75	22				
7/28/93	92	22				
8/3/93	77	22				
8/10/93	94	22				
8/18/93	87	22				
8/24/93	87	21				
9/1/93	81	22				
9/15/93	99	22				
10/4/93	80	22				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-101 DRYWELL ACTIVITY						
WELL #22-01-10 WELL DEPTH 100'						
SCINTILLATION PROBE 2nd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/31/90						
4/26/90	82	31				
7/17/90	85	32				
10/10/90	88	31				
12/31/90	85	31				
3/6/91	81	31				
3/26/91	88	31				
6/19/91	85	31				
9/9/91	80	32				
12/2/91	90	30				
2/27/92	77	30				
5/20/92	90	30				
8/11/92	80	30				
11/4/92	75	30				
1/27/93						
4/21/93	87	31				
7/15/93	68	30				
7/21/93	81	31				
7/28/93	80	31				
8/3/93	70	31				
8/10/93	70	30				
8/18/93	75	32				
8/24/93	77	32				
9/1/93						
9/15/93	84	32				
10/4/93	88	31				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-101 DRYWELL ACTIVITY						
WELL #22-01-10 WELL DEPTH 100'						
SCINTILLATION PROBE 3rd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/31/90						
4/26/90	56	40				
7/17/90	48	40				
10/10/90	60	40				
12/31/90	45	40				
3/6/91	49	40				
3/26/91	56	39				
6/19/91	50	40				
9/9/91	65	41				
12/2/91	52	41				
2/27/92	60	40				
5/20/92	80	32				
8/11/92						
11/4/92	84	32				
1/27/93						
4/21/93	70	33				
7/15/93	62	33				
7/21/93						
7/28/93	53	36				
8/3/93	88	33				
8/10/93						
8/18/93						
8/24/93						
9/1/93						
9/15/93						
10/4/93						

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-102 DRYWELL ACTIVITY						
WELL #22-02-01 WELL DEPTH 100'						
SCINTILLATION PROBE 1st Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/11/90	699	50		9/4/91	573	50
1/24/90	657	50		9/17/91	570	50
2/6/90	609	50		10/3/91	632	50
2/22/90	579	50		10/14/91	648	50
3/5/90	601	50		10/29/91	635	50
3/22/90	611	50		11/13/91	602	50
4/2/90	400	50		11/26/91	641	50
4/16/90	648	50		12/9/91	618	50
5/1/90	630	50		12/25/91	592	50
5/15/90	656	50		1/9/92	580	50
5/30/90	441	50		1/21/92	637	50
6/12/90	653	50		2/20/92	590	50
6/25/90	678	50		*3/3/92	604	50
7/10/90	592	50		3/3/92	553	50
7/25/90	620	50		3/18/92	590	50
8/6/90	660	50		3/31/92	617	50
8/22/90	634	50		4/14/92	592	50
9/5/90	642	50		4/28/92	581	50
9/17/90	631	50		5/13/92	559	50
10/2/90	620	50		5/26/92	628	50
10/16/90	641	50		6/9/92	578	50
10/30/90	596	50		6/22/92	594	50
11/14/90	579	50		7/8/92	574	50
11/29/90	623	50		7/22/92	596	50
12/10/90	604	50		8/4/92	664	50
12/26/90	644	50		8/18/92	586	50
*1/8/91	744	50		9/1/92	620	50
1/9/91	638	50		9/16/92	607	50
1/21/91	582	50		10/1/92	607	50
2/7/91	512	50		10/14/92	577	50
2/19/91	612	50		10/28/92	583	50
*3/5/91	622	50		11/10/92	589	50
3/6/91	576	50		*11/23/92	622	50
3/21/91	629	50		11/23/92	651	50
4/3/91	636	50		12/8/92	585	50
4/17/91	623	50		12/21/92	580	50
4/29/91	655	50		1/6/93	601	50
5/13/91	628	50		1/19/93	608	50
5/29/91	635	50		2/2/93	562	50
6/11/91	605	50		2/17/93	598	50
6/24/91	619	50		3/3/93	612	50
7/9/91	654	50		3/16/93	587	50
7/23/91	561	51		3/29/93	548	50
8/6/91	614	50		*4/13/93	575	50
8/22/91	641	50		4/14/93	613	50

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
4/14/93	584	50				
4/27/93	579	50				
*5/11/93	557	50				
5/11/93	593	50				
5/24/93	590	50				
6/9/93	533	49				
6/21/93	579	50				
7/7/93	597	50				
7/21/93	584	50				
8/3/93	582	50				
8/18/93	612	50				
9/1/93	573	50				
9/15/93	591	50				
9/29/93	590	50				
10/14/93	554	50				
10/27/93	600	50				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-102 DRYWELL ACTIVITY						
WELL #22-02-01 WELL DEPTH 100'						
SCINTILLATION PROBE 2nd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/11/90				9/4/91	290	47
1/24/90				9/17/91	300	47
2/6/90				10/3/91	320	47
2/22/90				10/14/91	300	46
3/5/90				10/29/91	322	48
3/22/90				11/13/91	295	48
4/2/90				11/26/91	300	47
4/16/90				12/9/91	340	47
5/1/90				12/25/91	340	47
5/15/90				1/9/92	300	47
5/30/90				1/21/92	283	47
6/12/90				2/20/92	300	46
6/25/90				*3/3/92		
7/10/90				3/3/92	315	47
7/25/90				3/18/92	265	47
8/6/90				3/31/92	300	47
8/22/90				4/14/92	280	47
9/5/90				4/28/92	340	46
9/17/90				5/13/92	330	45
10/2/90				5/26/92	320	47
10/16/90				6/9/92	300	47
10/30/90				6/22/92	320	47
11/14/90				7/8/92	290	47
11/29/90				7/22/92		
12/10/90				8/4/92	350	47
12/26/90				8/18/92	330	47
*1/8/91				9/1/92	360	47
1/9/91				9/16/92	280	47
1/21/91				10/1/92	280	47
2/7/91				10/14/92	330	47
2/19/91				10/28/92	330	47
*3/5/91				11/10/92	280	47
3/6/91				*11/23/92	300	47
3/21/91				11/23/92	285	47
4/3/91				12/8/92	245	46
4/17/91				12/21/92	300	47
4/29/91				1/6/93	282	46
5/13/91				1/19/93	310	46
5/29/91				2/2/93	300	
6/11/91				2/17/93	262	46
6/24/91	321	47		3/3/93	265	46
7/9/91				3/16/93	280	47
7/23/91	340	48		3/29/93	271	46
8/6/91	295	47		*4/13/93	290	47
8/22/91	300	47		4/14/93	280	47

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
4/14/93	280	47				
4/27/93	282	47				
*5/11/93						
5/11/93	280	47				
5/24/93						
6/9/93	340	46				
6/21/93	270	47				
7/7/93	220	46				
7/21/93						
8/3/93	280	46				
8/18/93	320	47				
9/1/93						
9/15/93	280	48				
9/29/93						
10/14/93	260	47				
10/27/93	250	47				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-103 DRYWELL ACTIVITY						
WELL #22-03-04 WELL DEPTH 100'						
SCINTILLATION PROBE						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/31/90	98	21				
4/26/90	77	21				
7/17/90	83	21				
10/10/90	92	21				
*1/3/91	467	83				
1/4/91	84	24				
3/6/91	84	21				
3/26/91	81	24				
6/19/91	94	21				
9/9/91	74	21				
12/2/91	85	24				
2/27/92	74	21				
5/20/92	90	21				
8/11/92	85	21				
11/4/92	76	21				
1/27/93	74	21				
4/21/93	96	21				
7/14/93	79	21				
10/4/93	73	21				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-103 DRYWELL ACTIVITY						
WELL #22-03-05 WELL DEPTH 100'						
GM # 1 PROBE						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/31/90	18158	37				
4/26/90	19786	34				
7/19/90	22899	34				
10/10/90	18232	34				
1/3/91	18855	37				
3/6/91	18874	34				
3/26/91	21175	34				
6/21/91	21319	34				
9/12/91	20663	34				
12/6/91	21074	34				
2/27/92	16853	34				
5/20/92	17140	34				
*8/11/92	19348	33				
8/12/92	21423	34				
11/4/92	17924	37				
4/21/93	21534	34				
*7/14/93	0	98				
7/15/93	10685	39				
10/5/93	30924	34				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-103 DRYWELL ACTIVITY						
WELL #22-03-05 WELL DEPTH 100'						
GM # 2 PROBE						
Date	Peak C/S	Depth ft		Date	Peak C/S	Depth ft.
1/31/90	4735	35				
4/26/90	5124	34				
*7/19/90	1236	35				
*7/20/90	5146	35				
7/20/90	5306	35				
10/10/90	5169	35				
1/3/91	4730	35				
3/6/91	5648	35				
3/26/91	4977	35				
6/21/91	4690	35				
9/12/91	4672	35				
*12/6/91	4253	35				
12/6/91	4580	35				
2/27/92	4614	35				
*5/20/92	48	83				
5/22/92	4414	35				
8/11/92	4352	35				
11/4/92	3798	35				
4/21/93	4305	35				
7/14/93	4178	35				
10/5/93	4419	35				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-103 DRYWELL ACTIVITY						
WELL #22-03-06 WELL DEPTH 100'						
SCINTILLATION PROBE 1st Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/16/90	790	25		2/9/93	682	25
2/13/90	765	25		3/10/93	702	25
3/13/90	755	25		4/7/93	709	25
4/11/90	757	25		5/4/93	655	25
5/8/90	754	25		6/2/93	724	25
6/6/90	747	25		6/30/93	692	25
*7/2/90	381	25		7/28/93	686	25
7/3/90	736	25		8/24/93	653	25
7/31/90	692	25		9/22/93	638	25
8/30/90	785	25		10/20/93	684	25
9/27/90	814	25				
10/23/90	710	25				
11/19/90	712	25				
12/18/90	715	25				
1/15/91	736	25				
2/16/91	766	25				
3/6/91	751	25				
3/13/91	700	25				
4/8/91	709	25				
5/6/91	755	25				
6/5/91	799	25				
6/21/91	755	25				
7/1/91	694	25				
7/29/91	690	25				
*8/27/91	776	25				
8/28/91	717	25				
9/24/91	675	25				
10/22/91	710	25				
11/19/91	709	25				
12/17/91	768	25				
1/15/92	706	25				
*2/13/92						
2/14/92	743	25				
3/9/92	719	25				
4/9/92	662	26				
5/5/92	623	26				
6/3/92	738	25				
6/29/92	711	25				
7/28/92	758	25				
8/25/92	756	25				
9/22/92	726	25				
10/21/92	703	25				
11/18/92	731	25				
12/15/92	671	25				
1/14/93	731	25				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-103 DRYWELL ACTIVITY						
WELL #22-03-06 WELL DEPTH 100'						
SCINTILLATION PROBE 2nd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/16/90	375	43		2/9/93	341	43
2/13/90	395	43		3/10/93	340	43
3/13/90	380	43		4/7/93	320	43
4/11/90	375	43		5/4/93	320	44
5/8/90	360	43		6/2/93		43
6/6/90	360	43		6/30/93	315	43
*7/2/90	265	43		7/28/93	320	43
7/3/90	355	43		8/24/93	340	43
7/31/90	380	43		9/22/93	310	42
8/30/90	360	44		10/20/93	290	43
9/27/90	360	43				
10/23/90	360	43				
11/19/90	360	43				
12/18/90	390	43				
1/15/91	379	43				
2/16/91	300	43				
3/6/91	340	43				
3/13/91	350	43				
4/8/91	330	43				
5/6/91	360	42				
6/5/91	340	41				
6/21/91	340	44				
7/1/91	370	44				
7/29/91	292	44				
*8/27/91						
8/28/91	340	42				
9/24/91	305	43				
10/22/91	340	43				
11/19/91	330	43				
12/17/91	350	44				
1/15/92	360	43				
*2/13/92						
2/14/92	300	43				
3/9/92	360	43				
4/9/92	320	44				
5/5/92	310	45				
6/3/92	340	43				
6/29/92	340	44				
7/28/92	340	44				
8/25/92	318	43				
9/22/92	360	43				
10/21/92	360	43				
11/18/92	365	43				
12/15/92	350	44				
1/14/93	342	44				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-103 DRYWELL ACTIVITY						
WELL #22-03-06 WELL DEPTH 100'						
SCINTILLATION PROBE 3rd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/16/90				2/9/93		
2/13/90				3/10/93		
3/13/90				4/7/93		
4/11/90				5/4/93		
5/8/90				6/2/93		
6/6/90				6/30/93	75	47
*7/2/90				7/28/93	62	47
7/3/90				8/24/93	75	46
7/31/90				9/22/93		
8/30/90				10/20/93		
9/27/90						
10/23/90						
11/19/90						
12/18/90						
1/15/91						
2/16/91						
3/6/91						
3/13/91						
4/8/91						
5/6/91	105	47				
6/5/91						
6/21/91						
7/1/91						
7/29/91						
*8/27/91						
8/28/91						
9/24/91						
10/22/91						
11/19/91	90	47				
12/17/91						
1/15/92						
*2/13/92	256	98				
2/14/92						
3/9/92	80	47				
4/9/92						
5/5/92						
6/3/92	90	47				
6/29/92						
7/28/92						
8/25/92						
9/22/92						
10/21/92						
11/18/92						
12/15/92						
1/14/93						

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-103 DRYWELL ACTIVITY						
WELL #22-03-09 WELL DEPTH 100'						
SCINTILLATION PROBE 1st Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/11/90	262	96		8/6/91	165	96
1/25/90	255	96		*8/21/91	666	96
2/6/90	256	96		8/22/91	158	96
2/22/90	205	96		9/4/91	150	96
3/5/90	236	96		9/17/91	163	96
3/22/90	237	96		10/3/91	166	96
4/3/90	231	96		10/14/91	152	96
*4/16/90	229	96		10/29/91	145	96
4/17/90	228	96		11/13/91	155	96
5/1/90	254	96		11/26/91	149	96
5/15/90	215	96		12/9/91	140	96
5/30/90	213	96		*12/26/91	147	96
6/12/90	253	96		12/27/91	155	96
6/25/90	226	96		*1/8/92	154	96
6/27/90	225	96		1/9/92	140	96
7/10/90	219	96		1/21/92	140	96
7/25/90	227	96		2/20/92	143	96
8/6/90	225	96		3/3/92	140	96
8/22/90	225	96		3/18/92	131	96
9/5/90	231	96		3/31/92	142	96
9/18/90	202	96		4/14/92	127	96
10/2/90	201	96		4/28/92	130	96
10/16/90	186	96		5/13/92	123	96
10/30/90	199	96		5/26/92	126	96
11/1/90	209	96		6/9/92	125	96
11/29/90	199	96		6/22/92	93	96
12/10/90	192	96		7/8/92	116	96
12/26/90	195	96		7/22/92	125	96
1/8/91	257	96		8/4/92	123	96
1/21/91	171	96		8/18/92	97	96
2/5/91	162	96		9/1/92	101	96
2/19/91	181	96		9/16/92	114	96
*3/5/91	192	96		*9/29/92	2398	96
3/6/91	180	96		10/1/92	124	96
*3/21/91	172	96		10/14/92	105	96
3/21/91	175	96		10/28/92	102	96
4/3/91	174	96		11/10/92	110	96
4/17/91	165	96		11/23/92	115	96
4/29/91	174	96		12/8/92	115	96
5/13/91	169	96		12/21/92	122	96
5/29/91	170	96		1/6/93	108	96
6/11/91	164	96		1/21/93	105	96
6/24/91	166	96		2/2/93	102	96
7/9/91	175	96		2/17/93	106	96
7/23/91	143	96		3/3/93	103	96

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
3/17/93	93	96				
3/29/93	106	96				
4/14/93	95	97				
4/27/93	95	96				
5/11/93	107	96				
5/24/93	89	96				
6/9/93	119	96				
6/21/93	105	96				
7/7/93	104	96				
7/21/93	95	96				
8/3/93	100	96				
8/18/93	107	96				
9/1/93	88	96				
9/15/93	85	96				
9/29/93						
10/14/93	97	96				
10/27/93	97	96				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-103 DRYWELL ACTIVITY						
WELL #22-03-09 WELL DEPTH 100'						
SCINTILLATION PROBE 2nd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/11/90				8/6/91	90	80
1/25/90				*8/21/91		
2/6/90				8/22/91	95	80
2/22/90				9/4/91	110	80
3/5/90				9/17/91		
3/22/90				10/3/91	85	80
4/3/90				10/14/91	90	80
*4/16/90				10/29/91	83	80
4/17/90				11/13/91	90	80
5/1/90				11/26/91	80	80
5/15/90				12/9/91	97	80
5/30/90				*12/26/91	80	80
6/12/90				12/27/91		
6/25/90				*1/8/92	85	80
6/27/90				1/9/92	95	80
7/10/90				1/21/92	82	80
7/25/90				2/20/92	87	80
8/6/90	60	52		3/3/92	96	80
8/22/90	35	52		3/18/92	85	80
9/5/90				3/31/92	92	80
9/18/90				4/14/92	95	80
10/2/90				4/28/92	80	80
10/16/90				5/13/92	100	80
10/30/90				5/26/92	90	80
11/1/90				6/9/92	80	80
11/29/90				6/22/92	80	82
12/10/90				7/8/92	75	80
12/26/90				7/22/92	80	80
1/8/91				8/4/92	95	80
1/21/91	105	80		8/18/92	85	80
2/5/91	85	80		9/1/92	80	81
2/19/91	110	80		9/16/92	75	80
*3/5/91	108	80		*9/29/92		
3/6/91	100	80		10/1/92	70	80
*3/21/91	96	80		10/14/92	90	80
3/21/91	95	80		10/28/92	85	80
4/3/91	85	80		11/10/92	85	80
4/17/91	93	81		11/23/92	85	80
4/29/91	105	80		12/8/92	83	80
5/13/91	118	80		12/21/92	86	80
5/29/91	80	80		1/6/93	80	79
6/11/91	110	80		1/21/93	82	80
6/24/91	82	81		2/2/93	76	80
7/9/91	90	80		2/17/93	82	80
7/23/91	87	80		3/3/93	90	80

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
3/17/93	68	80				
3/29/93	68	80				
4/14/93	85	81				
4/27/93	80	81				
5/11/93	82	79				
5/24/93	68	81				
6/9/93	70	80				
6/21/93	87	80				
7/7/93	75	80				
7/21/93	62	80				
8/3/93	85	80				
8/18/93	82	80				
9/1/93	82	80				
9/15/93	75	80				
9/29/93	65	82				
10/14/93	80	80				
10/27/93	85	80				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-103 DRYWELL ACTIVITY						
WELL #22-03-09 WELL DEPTH 100'						
SCINTILLATION PROBE 3rd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/11/90	125	81		8/6/91		
1/25/90	115	81		*8/21/91	66	
2/6/90	110	81		8/22/91	100	88
2/22/90	125	81		9/4/91		
3/5/90	100	81		9/17/91	95	89
3/22/90	111	80		10/3/91		
4/3/90	105	80		10/14/91	90	89
*4/16/90	108	80		10/29/91	100	89
4/17/90	80	80		11/13/91	95	88
5/1/90	110	80		11/26/91	95	88
5/15/90	118	80		12/9/91	110	89
5/30/90	102	80		*12/26/91	95	89
6/12/90	99	80		12/27/91		
6/25/90	110	80		*1/8/92	100	88
6/27/90	110	80		1/9/92	90	89
7/10/90	100	80		1/21/92	90	89
7/25/90	110	80		2/20/92	100	89
8/6/90	89	80		3/3/92	90	87
8/22/90	92	80		3/18/92	90	88
9/5/90	105	80		3/31/92	90	89
9/18/90	94	80		4/14/92	100	88
10/2/90	105	80		4/28/92	83	89
10/16/90	101	80		5/13/92	97	88
10/30/90	120	80		5/26/92	70	88
11/1/90	115	80		6/9/92	95	88
11/29/90	108	80		6/22/92	90	90
12/10/90	94	80		7/8/92	82	88
12/26/90	100	80		7/22/92	81	88
1/8/91	115	80		8/4/92	90	88
1/21/91				8/18/92	104	88
2/5/91				9/1/92	75	88
2/19/91				9/16/92	90	88
*3/5/91				*9/29/92		
3/6/91				10/1/92	75	89
*3/21/91				10/14/92	85	88
3/21/91				10/28/92	100	88
4/3/91				11/10/92	85	89
4/17/91				11/23/92	90	88
4/29/91				12/8/92	92	89
5/13/91				12/21/92	96	88
5/29/91				1/6/93	80	87
6/11/91	48	60		1/21/93	85	89
6/24/91				2/2/93	85	88
7/9/91				2/17/93	80	88
7/23/91				3/3/93	70	87

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
3/17/93	78	88				
3/29/93	78	89				
4/14/93	100	88				
4/27/93	68	89				
5/11/93	86	87				
5/24/93	70	85				
6/9/93	75	89				
6/21/93	85	89				
7/7/93	85	89				
7/21/93	70	89				
8/3/93	78	89				
8/18/93	80	89				
9/1/93	80	88				
9/15/93	72	88				
9/29/93						
10/14/93	75	88				
10/27/93	80	88				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-104 DRYWELL ACTIVITY						
WELL #22-04-09 WELL DEPTH 125'						
SCINTILLATION PROBE 1st Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/31/90	70	124				
4/26/90	70	124				
7/17/90	72	124				
10/9/90	66	124				
12/31/90	66	124				
3/6/91	56	124				
3/26/91	61	124				
6/21/91	76	124				
9/9/91						
12/2/91	56	124				
2/26/92	57	124				
5/20/92	52	124				
*8/11/92	90	48				
8/12/92	66	124				
9/23/92	58	124				
10/21/92	57	114				
11/4/92	64	124				
1/27/93	55	124				
4/21/93	64	124				
7/15/93	46	124				
10/7/93	51	124				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-104 DRYWELL ACTIVITY						
WELL #22-04-09 WELL DEPTH 125'						
SCINTILLATION PROBE 2nd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/31/90	62	108				
4/26/90	73	111				
7/17/90	62	112				
10/9/90	56	112				
12/31/90	57	112				
3/6/91	65	112				
3/26/91	53	112				
6/21/91	53	112				
9/9/91	58	112				
12/2/91						
2/26/92						
5/20/92						
*8/11/92						
8/12/92	57	111				
9/23/92						
10/21/92						
11/4/92	57	111				
1/27/93	56	110				
4/21/93						
7/15/93						
10/7/93						

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-104 DRYWELL ACTIVITY						
WELL #22-04-09 WELL DEPTH 125'						
SCINTILLATION PROBE 3rd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/31/90	60	114				
4/26/90	65	114				
7/17/90	52	110				
10/9/90	50	110				
12/31/90	50	110				
3/6/91	65	110				
3/26/91	54	110				
6/21/91						
9/9/91	67	108				
12/2/91						
2/26/92	53	110				
5/20/92						
*8/11/92						
8/12/92	55	114				
9/23/92						
10/21/92						
11/4/92	55	116				
1/27/93						
4/21/93						
7/15/93						
10/7/93						

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-105 DRYWELL ACTIVITY						
WELL #22-05-09 WELL DEPTH 100'						
SCINTILLATION PROBE						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/3/90	42	97		11/6/90	39	84
1/11/90	43	97		11/14/90	45	97
1/16/90	47	97		11/19/90	45	97
1/25/90	51	97		11/29/90	46	65
1/31/90	51	97		12/5/90	51	97
2/6/90	46	97		12/10/90	50	97
2/13/90	43	97		12/18/90	45	64
2/22/90	39	97		12/26/90	39	97
2/26/90	45	97		1/3/91	41	97
3/5/90	50	97		1/8/91	47	97
3/13/90	39	81		1/15/91	43	97
3/22/90	49	97		1/21/91	42	97
3/29/90	44	97		*1/29/91	51	91
4/2/90	42	97		1/30/91	40	66
4/11/90	49	97		2/5/91	53	97
4/17/90	51	97		2/15/91	46	97
4/26/90	45	68		*2/19/91	418	97
5/1/90	48	97		2/19/91	51	97
5/8/90	53	97		2/28/91	43	75
5/15/90	44	97		3/6/91	44	97
5/21/90	38	67		3/13/91	52	97
5/30/90	46	97		3/21/91	45	97
6/6/90	47	97		3/26/91	49	97
6/12/90	51	97		4/3/91	47	97
6/18/90	45	86		4/8/91	45	97
*6/25/90	52	61		4/17/91	50	96
6/27/90	41	97		4/23/91	43	79
7/2/90	50	97		4/29/91	39	97
7/10/90	40	69		5/6/91	43	97
7/19/90	47	97		*5/13/91	51	97
7/25/90	50	97		5/15/91	46	97
7/31/90	43	66		5/20/91	48	97
8/6/90	45	97		5/29/91	47	69
8/13/90	42	83		6/4/91	43	97
8/22/90	58	97		6/11/91	47	97
8/30/90	45	97		6/21/91	41	79
9/5/90	48	97		6/24/91	40	93
9/11/90	44	97		7/1/91	44	97
9/18/90	43	97		7/9/91	50	97
9/27/90	48	69		*7/15/91	53	97
10/2/90	42	97		7/16/91	48	97
10/9/90	41	97		7/23/91	42	92
10/16/90	43	82		7/29/91	46	97
10/23/90	46	97		8/6/91	42	97
10/30/90	45	97		8/14/91	47	97

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

Date	Peak C/S	Depth ft.	Date	Peak C/S	Depth ft.
*8/21/91	1353	97	7/8/92	37	79
8/22/91	42	97	7/13/92	46	97
*8/27/91	61	97	7/22/92	41	69
8/28/91	48	97	7/28/92	41	97
9/4/91	44	79	8/4/92	43	97
9/9/91	49	97	*8/11/92	197	69
9/17/91	43	96	8/12/92	44	97
9/24/91	43	97	8/18/92	37	93
10/3/91	44	64	8/25/92	59	97
10/7/91	49	97	9/1/92	41	97
10/14/91	50	97	9/10/92	47	97
10/22/91	49	64	9/16/92	47	97
10/24/91	43	93	9/22/92	47	97
11/4/91	42	97	9/29/92	60	89
11/14/91	55	97	10/1/92	42	97
11/19/91	47	97	10/5/92	48	59
11/26/91	45	97	10/14/92	43	97
12/2/91	47	97	10/21/92	47	97
12/11/91	42	97	10/28/92	44	94
12/17/91	43	97	11/4/92	46	97
12/25/91	38	67	11/10/92	50	97
12/30/91	42	65	11/18/92	53	97
1/8/92	46	97	11/23/92	50	97
1/15/92	46	89	12/1/92	42	66
1/21/92	46	97	12/8/92	52	97
1/27/92	45	97	12/15/92	44	64
2/20/92	51	97	12/21/92	43	97
2/26/92	41	97	12/30/92	46	97
3/3/92	40	97	1/6/93	40	97
3/9/92	74	76	1/13/93	47	97
3/10/92	57	97	1/19/93	48	97
3/18/92	46	97	1/28/93	43	97
3/25/92	43	97	2/2/93	46	97
3/31/92	48	97	2/9/93	45	97
*4/9/92	4100	25	2/17/93	41	97
4/9/92	41	97	2/22/93	40	97
4/14/92	46	97	3/3/93	50	97
4/20/92	39	97	3/10/93	48	97
4/28/92	45	97	3/17/93	41	78
5/5/92	47	97	3/23/93	42	63
5/13/92	49	97	3/29/93	50	97
5/20/92	44	97	4/7/93	43	97
5/26/92	41	66	*4/13/93	450	92
6/3/92	40	69	4/14/93	47	97
6/9/92	56	97	4/21/93	42	97
6/18/92	43	64	*4/27/93	485	62
6/22/92	48	67	4/27/93	47	97
6/29/92	45	97	5/4/93	46	97

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
5/11/93	48	86				
5/17/93	49	97				
5/24/93	39	97				
6/2/93	49	44				
6/9/93	41	97				
6/17/93	44	97				
6/21/93	46	97				
6/30/93	53	97				
7/7/93	43	97				
7/15/93	46	97				
7/21/93	42	97				
7/28/93	51	97				
8/3/93	50	97				
*8/10/93	47	97				
8/10/93	38	64				
8/18/93	46	97				
8/24/93	43	69				
9/1/93	44	97				
9/9/93	43	66				
9/15/93	44	97				
9/22/93	45	62				
9/29/93	45	97				
10/4/93	52	97				
10/14/93	40	97				
10/20/93	40	97				
10/27/93	45	97				
11/2/93	45	76				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-106 DRYWELL ACTIVITY						
WELL #22-06-05 WELL DEPTH 100'						
SCINTILLATION PROBE 1st Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/3/90	240	72		11/6/90	203	65
1/11/90	242	69		11/14/90	178	65
1/16/90	240	72		11/19/90	222	65
1/25/90	247	72		11/29/90	198	65
1/31/90	244	72		12/5/90	204	65
2/6/90	263	72		12/10/90	201	65
2/13/90	246	72		12/18/90	216	65
2/22/90	254	72		12/26/90	198	65
2/26/90	259	72		1/3/91	221	66
3/5/90	240	72		1/8/91	194	66
3/13/90	249	73		1/15/91	190	67
3/22/90	240	73		1/23/91	190	65
3/29/90	238	72		1/29/91	190	65
4/2/90	255	72		2/5/91	205	65
4/11/90	215	72		2/16/91	248	70
*4/17/90	255	70		2/19/91	224	71
4/18/90	244	72		2/28/91	216	72
4/26/90	241	72		*3/5/91	218	72
5/1/90	241	72		3/6/91	205	72
5/7/90	238	69		3/13/91	180	72
5/15/90	235	69		3/21/91	201	72
5/24/90	237	72		3/26/91	211	72
5/30/90	224	69		4/3/91	190	70
6/6/90	236	67		4/8/91	212	72
6/12/90	227	65		4/17/91	219	72
6/18/90	205	65		4/23/91	190	73
6/25/90	200	65		4/29/91	209	72
7/2/90	234	67		5/6/91	225	71
7/10/90	218	65		5/13/91	221	72
7/17/90	220	65		5/20/91	188	72
7/25/90	200	60		5/29/91	203	73
7/31/90	229	65		6/4/91	200	73
8/6/90	225	65		6/11/91	207	72
8/13/90	222	69		6/19/91	190	72
8/22/90	215	65		*6/21/91	180	72
8/30/90	190	65		6/21/91	204	72
9/5/90	215	65		6/24/91	170	73
9/11/90	215	65		7/1/91	180	73
9/17/90	205	66		*7/8/91	203	72
9/27/90	190	65		7/9/91	183	74
10/2/90	200	65		7/15/91	204	72
10/9/90	195	65		7/23/91	195	73
10/16/90	201	65		7/29/91	202	75
10/23/90	180	65		7/30/91	204	72
10/30/90	180	65		8/6/91	206	73

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

Date	Peak C/S	Depth ft.	Date	Peak C/S	Depth ft.
8/14/91	206	75	7/8/92	170	76
*8/22/91	248	73	7/13/92	166	76
8/22/91	198	73	7/22/92	180	75
8/29/91	198	72	7/28/92	166	74
9/4/91	175	72	8/4/92	163	75
9/9/91	202	72	*8/11/92	203	76
9/17/91	190	72	8/12/92	182	72
9/24/91	180	72	8/18/92	160	71
10/3/91	185	73	8/25/92	170	65
10/7/91	194	72	9/1/92	182	66
*10/14/91			9/10/92	160	65
10/14/91	175	75	9/16/92	170	67
10/22/91	195	73	9/22/92	172	67
10/29/91	190	73	*9/29/92	3973	31
11/4/91	212	72	10/1/92	160	66
11/13/91	185	74	10/5/92	165	67
11/19/91	190	73	10/14/92	184	69
11/26/91	192	72	10/21/92	184	70
12/2/91	200	73	10/28/92	179	65
12/9/91	172	73	11/4/92	165	65
12/17/91	190	75	11/10/92	168	68
12/25/91	175	76	11/18/92	178	67
12/30/91	170	76	11/23/92	177	67
1/8/92	193	75	12/1/92	174	73
1/15/92			12/8/92	184	72
1/21/92	180	75	12/15/92	169	69
1/27/92	189	75	12/21/92	168	72
2/20/92	180	75	12/30/92	172	72
2/26/92	193	75	1/6/93	163	72
*3/3/92			1/13/93	162	72
3/3/92	182	72	1/19/93	169	73
3/9/92	170	72	1/27/93	166	73
3/18/92	192	72	2/2/93	152	73
3/25/92	178	72	2/9/93	179	75
3/31/92	170	72	2/17/93	162	72
4/9/92	165	71	2/22/93	160	72
4/14/92	176	73	3/3/93	160	73
4/23/92	168	72	3/10/93	155	70
4/28/92	165	74	3/17/93	172	69
5/5/92	198	72	*3/23/93	150	70
5/13/92	170	75	3/24/93	165	69
5/20/92			3/30/93	159	69
5/26/92	160	75	4/7/93	152	70
6/3/92	150	76	*4/13/93		
6/9/92	195	75	4/14/93	177	69
6/18/92	185	75	4/21/93	154	69
6/22/92	160	76	4/27/93	158	69
6/29/92	150	76	5/4/93	168	69

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
5/11/93	163	72				
5/17/93	143	72				
5/24/93	156	65				
6/2/93	162	72				
6/9/93	156	69				
6/17/93	158	70				
6/21/93	140	70				
6/30/93	184	69				
7/7/93	161	65				
*7/14/93	162	70				
7/15/93	147	69				
7/21/93	140	70				
7/28/93	157	70				
8/3/93	171	72				
8/10/93	157	70				
8/18/93	154	72				
8/24/93	151	70				
9/1/93	156	69				
9/9/93	169	69				
9/15/93	142	69				
9/22/93	143	69				
9/29/93	160	72				
10/4/93	148	70				
10/14/93	163	70				
10/20/93	158	70				
10/27/93	135	69				
11/1/93	156	69				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-106 DRYWELL ACTIVITY						
WELL #22-06-05 WELL DEPTH 100'						
SCINTILLATION PROBE 2nd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/3/90	230	65		11/6/90	180	73
1/11/90	240	72		11/14/90	180	75
1/16/90	210	65		11/19/90	205	73
1/25/90	235	65		11/29/90	226	72
1/31/90	210	66		12/5/90	205	72
2/6/90	270	72		12/10/90	209	73
2/13/90	250	72		12/18/90	200	72
2/22/90	210	66		12/26/90	211	73
2/26/90	255	72		1/3/91	180	72
3/5/90	230	72		1/8/91	198	72
3/13/90	240	73		1/15/91	194	72
3/22/90	210	65		1/23/91	200	72
3/29/90	218	65		1/29/91	194	72
4/2/90	201	65		2/5/91	195	72
4/11/90	227	65		2/16/91	208	66
*4/17/90	208	66		2/19/91	202	66
4/18/90	230	66		2/28/91	210	67
4/26/90	211	66		*3/5/91		
5/1/90	215	66		3/6/91	190	67
5/7/90	190	67		3/13/91	219	65
5/15/90	230	72		3/21/91	185	65
5/24/90	208	69		3/26/91	203	67
5/30/90	218	72		4/3/91	206	67
6/6/90	235	72		4/8/91	200	67
6/12/90	220	72		4/17/91		
6/18/90	227	71		4/23/91	219	69
6/25/90	244	72		4/29/91	200	69
7/2/90	210	72		5/6/91	195	69
7/10/90	230	72		5/13/91	200	69
7/17/90	225	71		5/20/91	196	69
7/25/90	225	70		5/29/91	200	67
7/31/90	215	70		6/4/91	208	69
8/6/90	220	70		6/11/91	200	69
8/13/90	200	65		6/19/91	205	70
8/22/90	232	71		*6/21/91	210	70
8/30/90	219	71		6/21/91	180	70
9/5/90	220	71		6/24/91	195	69
9/11/90	235	72		7/1/91	211	69
9/17/90	234	72		*7/8/91	185	70
9/27/90	234	72		7/9/91	180	71
10/2/90	208	72		7/15/91	180	70
10/9/90	228	72		7/23/91	190	69
10/16/90	210	73		7/29/91	185	70
10/23/90	203	72		7/30/91	180	69
10/30/90	208	73		8/6/91	180	69

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

Date	Peak C/S	Depth ft.	Date	Peak C/S	Depth ft.
8/14/91	190	70	7/8/92	160	65
*8/22/91			7/13/92	170	65
8/22/91	190	69	7/22/92	193	67
8/29/91			7/28/92		
9/4/91			8/4/92	160	65
9/9/91	190	69	*8/11/92		65
9/17/91	190	70	8/12/92	160	65
9/24/91	210	69	8/18/92	176	67
10/3/91	180	69	8/25/92	189	69
10/7/91	183	69	9/1/92	158	69
*10/14/91			9/10/92	168	70
10/14/91	194	69	9/16/92	179	70
10/22/91	180	20	9/22/92	161	70
10/29/91	195	70	*9/29/92		
11/4/91	173	69	10/1/92	187	70
11/13/91	180	70	10/5/92	163	76
11/19/91	189	71	10/14/92		
11/26/91	185	70	10/21/92		
12/2/91			10/28/92	170	73
12/9/91	190	69	11/4/92	170	70
12/17/91	182	69	11/10/92	165	69
12/25/91	192	70	11/18/92	170	69
12/30/91	180	72	11/23/92	170	69
1/8/92	170	72	12/1/92	152	70
1/15/92	212	72	12/8/92	182	65
1/21/92	180	70	12/15/92	160	65
1/27/92	180	70	12/21/92	150	65
2/20/92	172	65	12/30/92	165	69
2/26/92	180	69	1/6/93	150	70
*3/3/92			1/13/93	168	70
3/3/92	172	65	1/19/93	160	69
3/9/92	185	65	1/27/93	161	69
3/18/92	180	65	2/2/93	170	67
3/25/92	186	67	2/9/93	161	65
3/31/92	182	67	2/17/93	163	67
4/9/92	191	65	2/22/93	160	65
4/14/92			3/3/93	170	69
4/23/92	178	65	3/10/93	160	65
4/28/92	170	65	3/17/93	160	65
5/5/92	172	65	*3/23/93	160	67
5/13/92	173	65	3/24/93	170	65
5/20/92	180	66	3/30/93	150	65
5/26/92	178	67	4/7/93	150	66
6/3/92	162	65	*4/13/93	155	67
6/9/92	170	66	4/14/93	143	65
6/18/92	170	65	4/21/93	150	64
6/22/92	160	66	4/27/93	140	66
6/29/92	177	65	5/4/93	140	66

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
5/11/93	151	65				
5/17/93	152	65				
5/24/93						
6/2/93	150	65				
6/9/93	150	66				
6/17/93	150	67				
6/21/93	158	66				
6/30/93	141	65				
7/7/93						
*7/14/93	140	65				
7/15/93	135	65				
7/21/93	152	65				
7/28/93	148	65				
8/3/93	120	65				
8/10/93	130	65				
8/18/93	140	65				
8/24/93	175	65				
9/1/93	140	66				
9/9/93	145	65				
9/15/93	150	65				
9/22/93	133	66				
9/29/93	135	66				
10/4/93	168	65				
10/14/93	140	65				
10/20/93	145	65				
10/27/93	140	67				
11/1/93	156	65				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-106 DRYWELL ACTIVITY						
WELL #22-06-05 WELL DEPTH 100'						
SCINTILLATION PROBE 3rd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/3/90				11/6/90	199	69
1/11/90	240	74		11/14/90	211	69
1/16/90	50	34		11/19/90	200	68
1/25/90	50	34		11/29/90	220	69
1/31/90	48	34		12/5/90	200	70
2/6/90	42	34		12/10/90	200	70
2/13/90	40	34		12/18/90	210	69
2/22/90	55	50		12/26/90	201	69
2/26/90				1/3/91	185	69
3/5/90				1/8/91	188	69
3/13/90				1/15/91	181	70
3/22/90				1/23/91	204	69
3/29/90	238	72		1/29/91	182	70
4/2/90				2/5/91	180	70
4/11/90				2/16/91	209	75
*4/17/90				2/19/91	180	75
4/18/90	50	59		2/28/91		
4/26/90				*3/5/91		
5/1/90				3/6/91	165	75
5/7/90				3/13/91	155	76
5/15/90				3/21/91	146	75
5/24/90	48	59		3/26/91		
5/30/90				4/3/91	170	75
6/6/90				4/8/91	163	76
6/12/90				4/17/91	220	73
6/18/90				4/23/91	205	65
6/25/90				4/29/91	190	65
7/2/90				5/6/91	210	65
7/10/90				5/13/91	200	65
7/17/90				5/20/91	180	65
7/25/90				5/29/91	195	66
7/31/90				6/4/91	190	65
8/6/90	242	72		6/11/91	208	65
8/13/90	215	73		6/19/91	170	65
8/22/90	220	69		*6/21/91	200	65
8/30/90	170	75		6/21/91	185	65
9/5/90	258	73		6/24/91	180	66
9/11/90	185	75		7/1/91	200	66
9/17/90	170	76		*7/8/91	188	65
9/27/90	220	69		7/9/91	210	65
10/2/90	226	69		7/15/91	180	65
10/9/90	210	69		7/23/91	208	65
10/16/90	200	69		7/29/91	172	65
10/23/90	200	69		7/30/91	180	67
10/30/90	185	69		8/6/91	200	65

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

Date	Peak C/S	Depth ft.	Date	Peak C/S	Depth ft.
8/14/91			7/8/92	187	70
*8/22/91			7/13/92	170	69
8/22/91	180	65	7/22/92	170	70
8/29/91	170	66	7/28/92	165	70
9/4/91	192	67	8/4/92	173	69
9/9/91			*8/11/92	171	76
9/17/91	201	65	8/12/92	1	
9/24/91	195	66	8/18/92	150	78
10/3/91	170	65	8/25/92	160	76
10/7/91	180	65	9/1/92	155	76
*10/14/91	205	66	9/10/92	150	76
10/14/91			9/16/92	170	76
10/22/91	180	65	9/22/92	153	73
10/29/91	190	67	*9/29/92		
11/4/91	190	67	10/1/92	160	76
11/13/91	198	67	10/5/92	183	73
11/19/91	182	68	10/14/92		
11/26/91	183	66	10/21/92	165	76
12/2/91	175	65	10/28/92	160	76
12/9/91	182	66	11/4/92	173	76
12/17/91	205	65	11/10/92	160	76
12/25/91	180	65	11/18/92	170	75
12/30/91	185	67	11/23/92	170	75
1/8/92	180	67	12/1/92	160	78
1/15/92	180	69	12/8/92	160	75
1/21/92	201	66	12/15/92	158	75
1/27/92	170	65	12/21/92	160	76
2/20/92	197	65	12/30/92	165	77
2/26/92	172	65	1/6/93	160	76
*3/3/92	261	66	1/13/93	160	75
3/3/92	170	69	1/19/93	155	75
3/9/92	172	69	1/27/93	160	77
3/18/92	170	70	2/2/93	133	78
3/25/92	162	75	2/9/93		
3/31/92	193	69	2/17/93	150	75
4/9/92	165	69	2/22/93	161	75
4/14/92	160	68	3/3/93	160	75
4/23/92	170	70	3/10/93		
4/28/92	183	69	3/17/93	140	76
5/5/92	190	72	*3/23/93		
5/13/92	160	72	3/24/93	150	76
5/20/92	186	72	3/30/93	145	77
5/26/92	162	72	4/7/93	161	76
6/3/92	183	70	*4/13/93		
6/9/92	168	70	4/14/93	160	76
6/18/92	170	72	4/21/93	140	74
6/22/92	180	73	4/27/93	150	76
6/29/92	170	70	5/4/93	150	76

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
5/11/93	150	76				
5/17/93	169	76				
5/24/93	140	73				
6/2/93						
6/9/93	142	73				
6/17/93	145	72				
6/21/93	149	72				
6/30/93	140	73				
7/7/93	150	76				
*7/14/93	140	77				
7/15/93	125	76				
7/21/93	132	75				
7/28/93	135	76				
8/3/93	140	75				
8/10/93	135	75				
8/18/93	142	75				
8/24/93	142	75				
9/1/93	130	75				
9/9/93	150	75				
9/15/93	132	75				
9/22/93	153	75				
9/29/93	130	75				
10/4/93	120	77				
10/14/93	132	75				
10/20/93	130	76				
10/27/93	146	75				
11/1/93	135	76				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-106 DRYWELL ACTIVITY						
WELL #22-06-11 WELL DEPTH 100'						
SCINTILLATION PROBE						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/11/90	43	21		7/24/91	43	25
1/25/90	45	26		8/6/91	40	30
2/6/90	40	25		8/22/91	43	26
2/22/90	41	24		9/4/91	40	28
3/5/90	40	64		9/17/91	42	25
3/22/90	41	24		10/3/91	43	25
4/2/90	41	22		10/14/91	47	24
4/17/90	42	24		10/29/91	42	25
5/1/90	42	28		11/13/91	45	21
5/15/90	41	24		11/26/91	43	23
5/31/90	47	25		12/9/91	44	25
6/12/90	42	65		12/25/91	42	25
6/25/90	51	22		1/8/92	37	25
7/10/90	43	25		1/21/92	44	24
7/25/90	60	45		2/20/92	43	25
8/1/90	45	24		3/3/92	39	61
8/6/90	47	26		3/18/92	41	25
8/22/90	38	26		3/31/92	41	29
9/5/90	41	25		4/14/92	44	25
9/17/90	40	23		4/28/92	44	25
10/2/90	47	24		5/13/92	43	25
10/16/90	44	28		5/26/92	43	26
10/30/90	42	25		6/9/92	45	27
11/16/90	43	24		6/22/92	46	25
11/29/90	40	21		7/8/92	40	26
12/10/90	48	23		7/22/92	46	25
12/26/90	41	26		8/4/92	43	25
1/8/91	44	24		8/18/92	40	26
1/23/91	35	66		9/1/92	52	25
2/5/91	41	24		9/16/92	44	42
2/19/91	46	26		9/29/92	45	26
*3/5/91	139	43		10/14/92	43	25
3/6/91	44	25		10/28/92	42	63
3/21/91	38	26		11/10/92	38	28
4/3/91	41	24		11/23/92	43	25
*4/18/91	52	24		12/8/92	44	30
4/18/91	42	21		12/21/92	45	24
4/29/91	41	26		1/6/93	49	25
5/13/91	54	24		1/19/93	40	21
5/29/91	47	24		2/2/93	40	22
6/11/91	40	26		2/17/93	47	35
6/24/91	44	24		3/3/93	40	25
*7/9/91	50	25		3/17/93	43	24
7/9/91	42	25		*3/29/93	43	23
*7/23/91	50	34		3/30/93	42	23

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

Date	Peak C/S	Depth ft.	Date	Peak C/S	Depth ft.
*4/13/93	1677	45			
4/14/93	39	94			
4/27/93	47	39			
5/11/93	41	49			
5/24/93	45	24			
6/9/93	42	30			
6/21/93	47	23			
7/7/93	44	21			
7/21/93	40	36			
*8/3/93	50	25			
8/5/93	45	23			
8/18/93	45	27			
9/1/93	49	23			
9/15/93	38	30			
9/29/93	46	24			
10/14/93	39	25			
10/27/93	45	25			

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-107 DRYWELL ACTIVITY						
WELL #22-07-01 WELL DEPTH 100'						
SCINTILLATION PROBE 1st Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
6/6/90	70	68				
3/6/91	59	68				
6/11/91	70	66				
6/15/92	72	68				
*1993	65	67				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-107 DRYWELL ACTIVITY						
WELL #22-07-01 WELL DEPTH 100'						
SCINTILLATION PROBE 2nd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
6/6/90	82	60				
3/6/91	76	61				
6/11/91	73	61				
6/15/92	65	61				
*1993	60	61				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-107 DRYWELL ACTIVITY						
WELL #22-07-01 WELL DEPTH 100'						
SCINTILLATION PROBE 3rd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
6/6/90	68	75				
3/6/91	55	75				
6/11/91	64	76				
6/15/92						
*1993						

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-107 DRYWELL ACTIVITY						
WELL #22-07-05 WELL DEPTH 100'						
SCINTILLATION PROBE 1st Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
6/6/90	86	69				
3/6/91	71	69				
6/11/91	81	71				
8/19/91	40	73				
6/15/92	63	71				
6/17/93	64	69				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-107 DRYWELL ACTIVITY						
WELL #22-07-05 WELL DEPTH 100'						
SCINTILLATION PROBE 2nd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
6/6/90	68	61				
3/6/91	75	61				
6/11/91	75	61				
8/19/91						
6/15/92	65	62				
6/17/93	67	61				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-107 DRYWELL ACTIVITY						
WELL #22-07-05 WELL DEPTH 100'						
SCINTILLATION PROBE 3rd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
6/6/90						
3/6/91	76	71				
6/11/91	55	93				
8/19/91						
6/15/92	70	96				
6/17/93	60	96				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-107 DRYWELL ACTIVITY						
WELL #22-07-07 WELL DEPTH 100'						
SCINTILLATION PROBE						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
6/6/90	55	94				
6/11/91	49	94				
6/15/92	52	98				
6/17/93	49	95				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-107 DRYWELL ACTIVITY						
WELL #22-07-09 WELL DEPTH 100'						
SCINTILLATION PROBE 1st Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
2/1/90	20992	25				
4/26/90	21901	25				
7/17/90	21900	25				
10/9/90	21298	25				
1/3/91	21781	25				
3/26/91	22293	25				
6/19/91	22088	25				
9/10/91	21982	25				
12/3/91	21057	25				
2/26/92	20838	25				
5/20/92	19979	25				
8/10/92	19435	25				
11/4/92	21579	25				
1/27/93	20180	25				
4/20/93	20079	25				
7/12/93	20209	25				
10/4/93	20120	25				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-107 DRYWELL ACTIVITY						
WELL #22-07-09 WELL DEPTH 100'						
SCINTILLATION PROBE 2nd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
2/1/90						
4/26/90						
7/17/90						
10/9/90						
1/3/91	65	82				
3/26/91	70	81				
6/19/91	60	81				
9/10/91	55	82				
12/3/91						
2/26/92	55	82				
5/20/92	60	82				
8/10/92	57	81				
11/4/92	62	81				
1/27/93	55	81				
4/20/93	54	80				
7/12/93	52	83				
10/4/93	50	81				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-107 DRYWELL ACTIVITY						
WELL #22-07-09 WELL DEPTH 100'						
SCINTILLATION PROBE 3rd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
2/1/90	80	83				
4/26/90	70	81				
7/17/90	65	81				
10/9/90	60	82				
1/3/91						
3/26/91	65	91				
6/19/91	57	91				
9/10/91	62	91				
12/3/91	60	91				
2/26/92	65	89				
5/20/92	60	91				
8/10/92	58	91				
11/4/92	64	90				
1/27/93	50	90				
4/20/93	52	92				
7/12/93						
10/4/93	55	92				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

241-BY-107 DRYWELL ACTIVITY						
WELL #22-07-10 WELL DEPTH 100'						
SCINTILLATION PROBE 1st Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
2/1/90	247	35				
4/26/90	204	27				
7/17/90	186	24				
10/9/90	195	35				
*1/3/91	246	35				
1/4/91	228	25				
3/26/91	182	35				
6/19/91	220	27				
9/10/91	189	35				
12/3/91	290	27				
*2/26/92	184	27				
2/26/92	200	35				
5/20/92	200	27				
8/10/92	170	27				
11/4/92						
1/27/93	176	26				
4/20/93	153	27				
7/12/93	160	27				
10/4/93	187	27				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-107 DRYWELL ACTIVITY						
WELL #22-07-10 WELL DEPTH 100'						
SCINTILLATION PROBE 2nd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
2/1/90	200	28				
4/26/90	200	27				
7/17/90						
10/9/90	190	27				
*1/3/91						
1/4/90						
3/26/90						
6/19/90						
9/10/90						
12/3/91						
*2/26/92						
2/26/92						
5/20/92	180	36				
8/10/92	170	35				
11/4/92	183	35				
1/27/93	165	35				
4/20/93	169	35				
7/12/93	216	35				
10/4/93	175	35				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-107 DRYWELL ACTIVITY						
WELL #22-07-10 WELL DEPTH 100'						
SCINTILLATION PROBE 3rd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
2/1/90						
4/26/90						
7/17/90						
10/9/90						
*1/3/91						
1/4/90						
3/26/90						
6/19/90						
9/10/90						
12/3/91						
*2/26/92						
2/26/92						
5/20/92	120	41				
8/10/92	125	40				
11/4/92	115	40				
1/27/93	132	40				
4/20/93	106	40				
7/12/93	110	40				
10/4/93	115	40				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-108 DRYWELL ACTIVITY						
WELL #22-08-01 WELL DEPTH 100'						
SCINTILLATION PROBE 1st Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
*2/1/90	168	57				
*2/2/90	180	57				
2/2/90	163	57				
4/26/90	165	57				
7/17/90	166	57				
10/9/90	179	57				
*1/3/91	144	57				
1/4/91	153	57				
3/7/91	158	57				
3/26/91	161	57				
*6/19/91	148	57				
*6/21/91	152	57				
6/21/91	154	57				
6/24/91	160	57				
7/8/91	158	57				
7/30/91	142	57				
9/10/91	158	57				
12/6/91	149	56				
2/26/92	149	57				
5/19/92	135	57				
8/10/92	125	57				
11/3/92	116	57				
1/27/93	103	67				
4/20/93	119	56				
7/12/93	118	57				
*10/4/93	130	57				
10/5/93	107	57				
11/15/93	113	57				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-108 DRYWELL ACTIVITY						
WELL #22-08-01 WELL DEPTH 100'						
SCINTILLATION PROBE 2nd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
*2/1/90	75	40				
*2/2/90	65	40				
2/2/90	64	40				
4/26/90	61	40				
7/17/90	60	40				
10/9/90	65	40				
*1/3/91	60	40				
1/4/91	65	39				
3/7/91	63	40				
3/26/91	57	40				
*6/19/91	70	39				
*6/21/91						
6/21/91	105	38				
6/24/91	60	40				
7/8/91	61	40				
7/30/91	62	41				
9/10/91	98	39				
12/6/91	70	39				
2/26/92	57	39				
5/19/92	65	39				
8/10/92	50	40				
11/3/92	60	40				
1/27/93	60	39				
4/20/93	55	39				
7/12/93	45	39				
*10/4/93						
10/5/93	48	40				
11/15/93						

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-108 DRYWELL ACTIVITY						
WELL #22-08-01 WELL DEPTH 100'						
SCINTILLATION PROBE 3rd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
*2/1/90	130	68				
*2/2/90	130	68				
2/2/90	130	68				
4/26/90	120	68				
7/17/90	120	68				
10/9/90	110	66				
*1/3/91	112	69				
1/4/91	150	67				
3/7/91	115	68				
3/26/91	104	68				
*6/19/91	100	68				
*6/21/91						
6/21/91	95	69				
6/24/91	100	69				
7/8/91	110	68				
7/30/91	101	69				
9/10/91	100	70				
12/6/91	110	68				
2/26/92	102	69				
5/19/92	100	68				
8/10/92	92	66				
11/3/92	95	69				
1/27/93	102	67				
4/20/93	86	66				
7/12/93	100	67				
*10/4/93	105	67				
10/5/93	75	66				
11/15/93	82	68				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-108 DRYWELL ACTIVITY						
WELL #22-08-02 WELL DEPTH 100'						
SCINTILLATION PROBE 1st Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
2/1/90	451	84				
4/26/90	424	83				
7/17/90	381	83				
10/9/90	387	83				
1/3/91	338	83				
3/7/91	326	83				
3/25/91	336	83				
*6/19/91	316	83				
*6/21/91	360	83				
6/21/91	295	83				
6/24/91	297	83				
7/8/91	292	83				
7/30/91	327	83				
9/9/91	314	83				
12/6/91	302	83				
2/26/92	254	83				
5/19/92	260	83				
8/10/92	209	83				
11/4/92	216	83				
1/27/93	175	83				
4/20/93	180	83				
7/12/93	145	83				
*10/4/93	161	83				
10/5/93	159	83				
11/17/93	156	83				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-108 DRYWELL ACTIVITY						
WELL #22-08-02 WELL DEPTH 100'						
SCINTILLATION PROBE 2nd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
2/1/90						
4/26/90						
7/17/90						
10/9/90						
1/3/91						
3/7/91						
3/25/91	62	70				
*6/19/91	200	77				
*6/21/91						
6/21/91	195	78				
6/24/91	180	77				
7/8/91	188	78				
7/30/91	181	77				
9/9/91	180	77				
12/6/91	160	77				
2/26/92	180	77				
5/19/92	172	77				
8/10/92	180	77				
11/4/92	180	77				
1/27/93	145	77				
4/20/93	131	77				
7/12/93	159	77				
*10/4/93	140	76				
10/5/93	142	77				
11/17/93	130	78				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-108 DRYWELL ACTIVITY						
WELL #22-08-02 WELL DEPTH 100'						
SCINTILLATION PROBE 3rd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
2/1/90						
4/26/90						
7/17/90						
10/9/90						
1/3/91						
3/7/91						
3/25/91						
*6/19/91	141	91				
*6/21/91						
6/21/91	135	91				
6/24/91	120	91				
7/8/91	148	91				
7/30/91	180	87				
9/9/91	115	87				
12/6/91	175	87				
2/26/92	170	87				
5/19/92	142	87				
8/10/92	155	87				
11/4/92	151	87				
1/27/93	160	87				
4/20/93	160	87				
7/12/93	140	87				
*10/4/93	130	87				
10/5/93	120	87				
11/17/93	95	87				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-108 DRYWELL ACTIVITY						
WELL #22-08-05 WELL DEPTH 100'						
SCINTILLATION PROBE						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
*2/1/90	78	77				
*2/2/90	70	74				
*2/2/90	125	97				
2/2/90	62	73				
4/26/90	64	75				
7/17/90	61	73				
10/9/90	68	73				
1/3/91	61	74				
3/7/91	73	73				
3/26/91	67	73				
6/19/91	65	75				
6/21/91	67	75				
9/10/91	63	73				
*12/6/91	296	49				
12/6/91	58	74				
2/26/92	57	76				
5/19/92	57	73				
8/10/92	63	74				
11/3/92	54	74				
1/27/93	64	75				
4/20/93	54	74				
7/12/93	56	74				
10/4/93	60	75				
11/17/93	58	72				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-108 DRYWELL ACTIVITY						
WELL #22-08-06 WELL DEPTH 100'						
SCINTILLATION PROBE 1st Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
2/1/90	163	25				
4/26/90	161	24				
7/17/90	175	24				
10/9/90	146	24				
1/3/91	156	24				
*2/16/91	218	24				
2/16/91	170	24				
3/6/91	163	24				
3/26/91	161	24				
6/19/91	154	24				
9/10/91	168	24				
*12/6/91	195	25				
12/6/91	161	25				
2/26/92	140	23				
5/19/92	165	24				
8/10/92	138	24				
11/3/92	134	24				
1/27/93	149	24				
4/20/93	146	24				
7/12/93	158	24				
10/4/93	149	24				
11/17/93	170	24				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-108 DRYWELL ACTIVITY						
WELL #22-08-06 WELL DEPTH 100'						
SCINTILLATION PROBE 2nd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
2/1/90	62	70				
4/26/90	60	70				
7/17/90	60	70				
10/9/90	51	70				
1/3/91	46	70				
*2/16/91						
2/16/91	55	70				
3/6/91	59	70				
3/26/91	55	70				
6/19/91	56	70				
9/10/91	55	71				
*12/6/91						
12/6/91	55	71				
2/26/92						
5/19/92	55	70				
8/10/92						
11/3/92	52	70				
1/27/93						
4/20/93	50	70				
7/12/93	48	70				
10/4/93	50	68				
11/17/93	53	71				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-108 DRYWELL ACTIVITY						
WELL #22-08-12 WELL DEPTH 100'						
SCINTILLATION PROBE 1st Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
2/1/90	66	74				
4/26/90	84	56				
7/17/90	71	56				
10/10/90	68	56				
1/3/91	72	57				
3/26/91	80	56				
*6/19/91	71	56				
*6/21/91	78	56				
6/21/91	76	56				
6/24/91	65	56				
7/8/91	83	56				
7/30/91	68	56				
9/10/91	70	56				
*12/6/91	149	79				
12/6/91	66	56				
2/26/92	54	57				
5/20/92	62	57				
8/10/92	67	56				
11/3/92	50	56				
1/27/93	63	47				
4/20/93	57	74				
7/12/93	62	56				
*10/4/93	61	56				
10/5/93	54	57				
11/17/93	67	56				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-108 DRYWELL ACTIVITY						
WELL #22-08-12 WELL DEPTH 100'						
SCINTILLATION PROBE 2nd Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
2/1/90						
4/26/90	59	50				
7/17/90	55	50				
10/10/90	51	50				
1/3/91	57	51				
3/26/91	57	50				
*6/19/91	64	50				
*6/21/91						
6/21/91	45	50				
6/24/91						
7/8/91						
7/30/91						
9/10/91						
*12/6/91						
12/6/91	53	75				
2/26/92	50	74				
5/20/92						
8/10/92						
11/3/92						
1/27/93	60	56				
4/20/93						
7/12/93						
*10/4/93						
10/5/93						
11/17/93						

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

DRYWELL ACTIVITY DATA						
WELL #22-09-02 WELL DEPTH 100'						
SCINTILLATION PROBE						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/16/90	100	22		*3/23/93	96	21
2/13/90	105	21		3/24/93	90	24
3/13/90	108	21		3/30/93	93	25
4/10/90	97	22		4/7/93	88	25
5/8/90	88	21		5/4/93	90	21
6/6/90	96	25		6/2/93	95	25
7/3/90	94	25		6/30/93	86	21
7/31/90	87	21		7/28/93	99	25
8/30/90	106	21		8/24/93	114	21
9/27/90	91	26		9/22/93	94	24
10/23/90	92	24		10/20/93	93	21
11/19/90	96	21				
12/18/90	91	25				
1/14/91	102	21				
2/16/91	93	21				
3/13/91	85	25				
4/8/91	101	25				
5/6/91	97	21				
6/5/91	96	21				
7/1/91	100	21				
*7/29/91	107	25				
7/30/91	104	25				
8/27/91	109	21				
9/24/91	103	21				
10/23/91	87	25				
11/19/91	90	21				
12/17/91	101	21				
1/15/92	106	21				
2/14/92	90	25				
3/9/92	89	27				
4/9/92	95	24				
5/5/92	103	21				
6/3/92	98	25				
6/29/92	93	21				
7/29/92	89	24				
8/25/92	92	21				
*9/22/92	101	24				
9/23/92	97	25				
10/21/92	98	25				
12/8/92	105	21				
12/15/92	95	25				
1/14/93	107	21				
2/9/93	91	25				
3/3/93	100	24				
3/10/93	98	23				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-109 DRYWELL ACTIVITY						
WELL #22-09-08 WELL DEPTH 100'						
SCINTILLATION PROBE 1st Peak						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/24/90	38106	25		*2/7/91	34586	25
2/6/90	33590	25		2/7/91	21336	25
*2/22/90	2623	24		*2/19/91	36985	25
2/22/90	23256	25		2/19/91	35455	25
3/5/90	28414	25		3/6/91	33021	25
3/22/90	30096	25		3/21/91	30463	24
4/2/90	36675	25		4/3/91	35570	25
4/17/90	33132	25		4/18/91	33239	25
5/1/90	34884	25		4/29/91	34009	25
*5/15/90	1876	26		5/13/91	29413	25
5/16/90	28194	25		5/29/91	30221	25
5/31/90	32030	25		6/11/91	28761	25
*6/15/90	330	23		6/21/91	34212	25
*6/15/90	28821	24		6/24/91	36313	25
6/15/90	29968	25		7/9/91	30021	25
*6/25/90	3122	23		7/23/91	37181	26
6/27/90	20890	25		8/6/91	29267	25
7/10/90	19858	25		8/22/91	35850	25
*7/23/90	2099	23		9/4/91	27768	25
*7/25/90	911	23		9/17/91	25964	25
*7/27/90	5734	24		10/2/91	29428	25
*7/27/90	9700	25		10/14/91	24695	24
8/1/90	30637	24		10/29/91	25513	25
8/6/90	35606	25		11/14/91	26340	25
8/22/90	33486	25		11/26/91	28465	25
*9/5/90	1905	23		12/9/91	29073	25
9/6/90	1530	23		*12/26/91	29016	25
9/11/90	22152	24		12/27/91	24980	24
9/18/90	32272	25		1/9/92	31060	24
10/2/90	33868	25		1/21/92	33321	25
10/16/90	37731	25		2/20/92	32300	24
10/30/90	36415	25		3/3/92	29103	25
11/16/90	32199	25		3/18/92	26758	25
11/29/90	32647	25		3/31/92	32764	25
12/10/90	21626	25		4/14/92	32005	25
*12/26/90	36050	25		4/28/92	32141	25
*12/28/90	31632	24		5/13/92	26271	24
*12/28/90	34405	24		5/26/92	34364	25
12/28/90	34122	24		6/9/92	26713	24
*1/8/91	8837	24		6/22/92	37963	25
1/9/91	22500	25		7/8/92	29120	25
*1/23/91	14394	25		7/22/92	29938	24
1/23/91	33585	25		8/4/92	30501	25
*2/5/91	1888	26		8/18/92	24772	25
*2/7/91	651	23		9/1/92	23183	25

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
9/16/92	29203	25				
9/29/92	25637	25				
10/14/92	28747	25				
10/28/92	19628	25				
11/10/92	34686	25				
11/23/92	27306	25				
12/8/92	29475	24				
12/21/92	39709	25				
1/6/93	32096	24				
1/19/93	35835	24				
2/2/93	25506	25				
2/17/93	27517	24				
3/3/93	29725	25				
3/17/93	32248	25				
3/23/93	32171	24				
3/30/93	29082	24				
*4/13/93	29875	24				
*4/14/93	29291	24				
4/14/93	29866	24				
4/27/93	27346	25				
*5/11/93	27707	25				
5/11/93	27237	25				
5/24/93	28626	25				
*6/9/93	32790	24				
6/9/93	28426	25				
6/21/93	28081	25				
7/7/93	25965	25				
7/21/93	28607	25				
8/3/93	25993	25				
8/18/93	27150	25				
9/1/93	24760	24				
9/15/93	26417	25				
9/29/93	30508	25				
10/14/93	28339	25				
10/27/93	26579	25				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-109 DRYWELL ACTIVITY						
WELL #22-09-08 WELL DEPTH 100'						
SCINTILLATION PROBE 2nd Peak						
Date	Peak C/S	Depth ft		Date	Peak C/S	Depth ft
1/24/90	50	84		*2/7/91		
2/6/90	56	76		2/7/91		
*2/22/90				*2/19/91		
2/22/90				2/19/91		
3/5/90				3/6/91		
3/22/90	54	83		3/21/91		
4/2/90	55	83		4/3/91		
4/17/90	53	83		4/18/91		
5/1/90	46	83		4/29/91	50	83
*5/15/90				5/13/91		
5/16/90	48	83		5/29/91		
5/31/90	53	83		6/11/91		
*6/15/90				6/21/91		
*6/15/90	55	83		6/24/91		
6/15/90	46	83		7/9/91		
*6/25/90				7/23/91		
6/27/90				8/6/91	40	82
7/10/90				8/22/91		
*7/23/90				9/4/91		
*7/25/90				9/17/91		
*7/27/90				10/2/91		
*7/27/90				10/14/91		
8/1/90				10/29/91		
8/6/90				11/14/91		
8/22/90				11/26/91		
*9/5/90				12/9/91		
9/6/90				*12/26/91	65	90
9/11/90				12/27/91		
9/18/90				1/9/92		
10/2/90				1/21/92		
10/16/90				2/20/92		
10/30/90	49	83		3/3/92		
11/16/90				3/18/92		
11/29/90				3/31/92		
12/10/90				4/14/92		
*12/26/90	62	83		4/28/92		
*12/28/90				5/13/92		
*12/28/90				5/26/92		
12/28/90				6/9/92		
*1/8/91				6/22/92		
1/9/91				7/8/92		
*1/23/91				7/22/92		
1/23/91				8/4/92		
*2/5/91				8/18/92	53	83
*2/7/91				9/1/92		

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

Date	Peak C/S	Depth ft		Date	Peak C/S	Depth ft
9/16/92						
9/29/92						
10/14/92						
10/28/92						
11/10/92						
11/23/92						
12/8/92						
12/21/92						
1/6/93						
1/19/93	53	82				
2/2/93						
2/17/93						
3/3/93						
3/17/93						
3/23/93						
3/30/93						
*4/13/93						
*4/14/93						
4/14/93						
4/27/93						
*5/11/93						
5/11/93						
5/24/93						
*6/9/93						
6/9/93						
6/21/93						
7/7/93						
7/21/93						
8/3/93						
8/18/93						
9/1/93						
9/15/93						
9/29/93						
10/14/93						
10/27/93						

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-109 DRYWELL ACTIVITY						
WELL #22-09-11 WELL DEPTH 100'						
SCINTILLATION PROBE						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
1/11/90	88	22		9/17/91	78	22
1/24/90	78	22		10/2/91	80	22
2/6/90	73	22		10/14/91	78	22
2/22/90	60	22		10/29/91	70	22
3/5/90	71	22		11/14/91	85	22
3/22/90	69	22		11/26/91	69	22
4/3/90	84	22		12/9/91	75	22
4/17/90	71	22		12/26/91	76	22
5/1/90	69	22		1/9/92	89	22
5/15/90	85	22		1/21/92	75	22
5/31/90	82	21		2/20/92	74	22
6/12/90	64	22		3/3/92	70	22
6/25/90	82	22		3/18/92	73	22
7/10/90	74	22		3/31/92	83	22
7/25/90	72	22		4/14/92	84	22
8/6/90	84	23		4/28/92	61	22
8/22/90	71	22		5/13/92	80	22
9/5/90	83	22		5/26/92	81	22
9/18/90	75	22		6/9/92	73	22
10/2/90	78	22		6/22/92	72	22
10/16/90	71	22		7/8/92	91	22
10/30/90	81	22		7/22/92	75	22
11/16/90	86	22		8/4/92	77	22
11/29/90	73	22		8/18/92	70	22
12/10/90	75	22		9/1/92	69	22
12/26/90	66	22		9/16/92	63	22
1/9/91	73	22		9/29/92	78	22
1/23/91	86	22		10/14/92	74	22
2/5/91	67	22		10/28/92	76	22
*2/19/91	88	22		11/10/92	76	22
2/19/91	82	22		11/23/92	84	22
3/6/91	66	22		12/8/92	73	22
3/21/91	64	22		12/21/92	71	22
4/3/91	77	22		1/6/93	82	22
4/18/91	87	22		1/19/93	78	22
4/29/91	82	22		2/2/93	73	22
5/13/91	77	22		2/17/93	76	22
5/29/91	81	22		3/3/93	49	22
6/11/91	77	22		3/17/93	80	22
6/24/91	76	22		3/23/93	78	22
7/9/91	86	22		3/30/93	74	22
7/23/91	82	22		4/13/93	80	22
8/6/91	58	22		4/27/93	54	22
8/22/91	76	22		5/11/93	56	22
9/4/91	63	22		5/24/93	79	22

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
6/9/93	75	22				
6/21/93	79	21				
7/7/93	61	22				
7/21/93	66	22				
8/3/93	96	22				
8/18/93	75	22				
9/1/93	75	22				
9/15/93	73	22				
9/29/93	82	22				
10/14/93	70	22				
10/27/93	81	22				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-111 DRYWELL ACTIVITY						
WELL #22-11-01 WELL DEPTH 100'						
SCINTILLATION PROBE						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
2/1/90	745	24				
4/26/90	533	25				
7/17/90	515	25				
10/10/90	437	25				
1/3/91	361	25				
3/26/91	349	25				
6/19/91	299	25				
9/10/91	280	25				
*12/6/91	261	25				
12/6/91	280	25				
2/26/92	258	25				
5/20/92	221	24				
8/10/92	243	26				
11/3/92	178	25				
1/26/93	125	25				
4/20/93	158	25				
7/12/93	158	25				
10/4/93	121	25				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

241-BY-111 DRYWELL ACTIVITY						
WELL #22-11-09 WELL DEPTH 100'						
SCINTILLATION PROBE						
Date	Peak C/S	Depth ft.		Date	Peak C/S	Depth ft.
2/1/90	40	28				
*4/25/90	48	28				
4/26/90	54	28				
7/17/90	39	49				
10/9/90	43	28				
1/3/91	51	28				
3/26/91	40	86				
6/19/91	39	69				
10/9/91	42	28				
12/6/91	44	28				
2/26/92	37	28				
5/19/92	45	28				
*8/10/92	50	70				
8/11/92	41	28				
11/3/92	38	28				
1/26/93	42	32				
4/20/93	37	83				
7/14/93	41	28				
10/4/93	41	28				

Data obtained from WHC Surveillance Data Acquisition (SDA), November 30, 1993.

*Suspect Data

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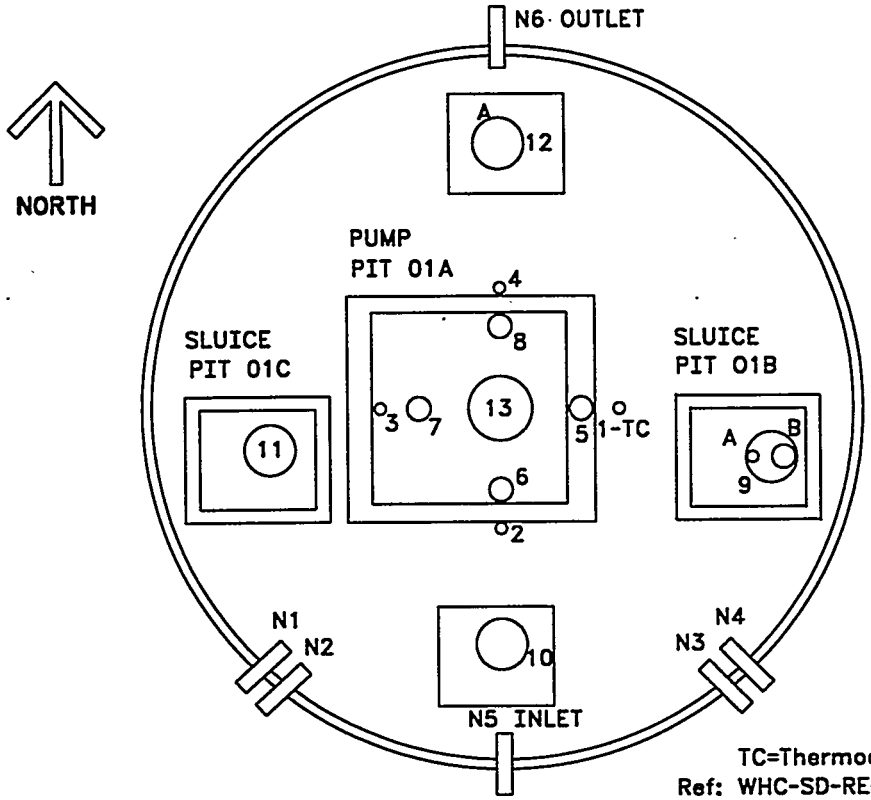
241-BY-101		
NO.	DIA.	DESCRIPTION AND COMMENTS
1	4"	TEMPERATURE PROBE, UNUSED
2	4"	BG
3	4"	PIT DRAIN
4	4"	BREATHER FILTER, G-1 HOUSING
5	4"	LIQUID LEVEL REEL , BM
6	12"	CONCRETE COVER
7	12"	SALTWELL SCREEN & PUMP
8	12"	CONCRETE COVER
9	42"	PIT WC
9A	4"	FLANGE/B-436 LOW
9B	18"	FLANGE/45° AIR SWEEP
10	42"	BG
10A	12"	OBSV PORT
11	42"	PIT WC
12	42"	PIT WC
12A	12"	(WEIGHT FACTOR - SP GR)
13	42"	
13A	12"	(AIR LIFT CIRCULATOR, ITS UNIT)

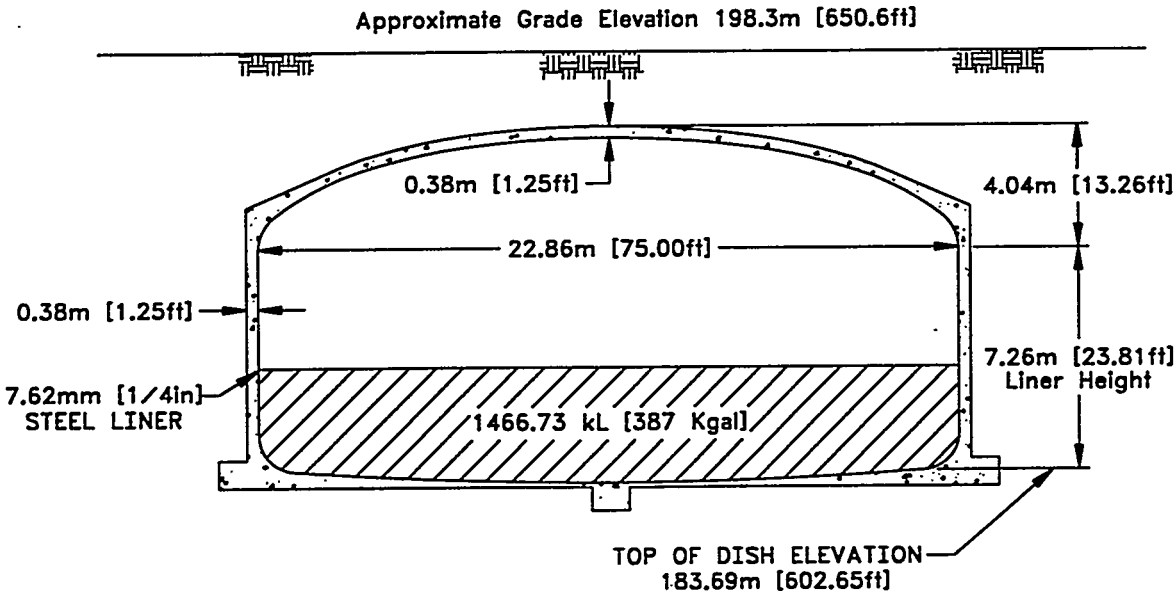
241-BY-101

2,872,820 Liters
[758,000 Gallons]



TC=Thermocouple
Ref: WHC-SD-RE-TI-053, Rev. 8
WHC-SD-WM-TI-553, Rev. 0
H-2-73251, Rev. 3

TANK RISER LOCATION

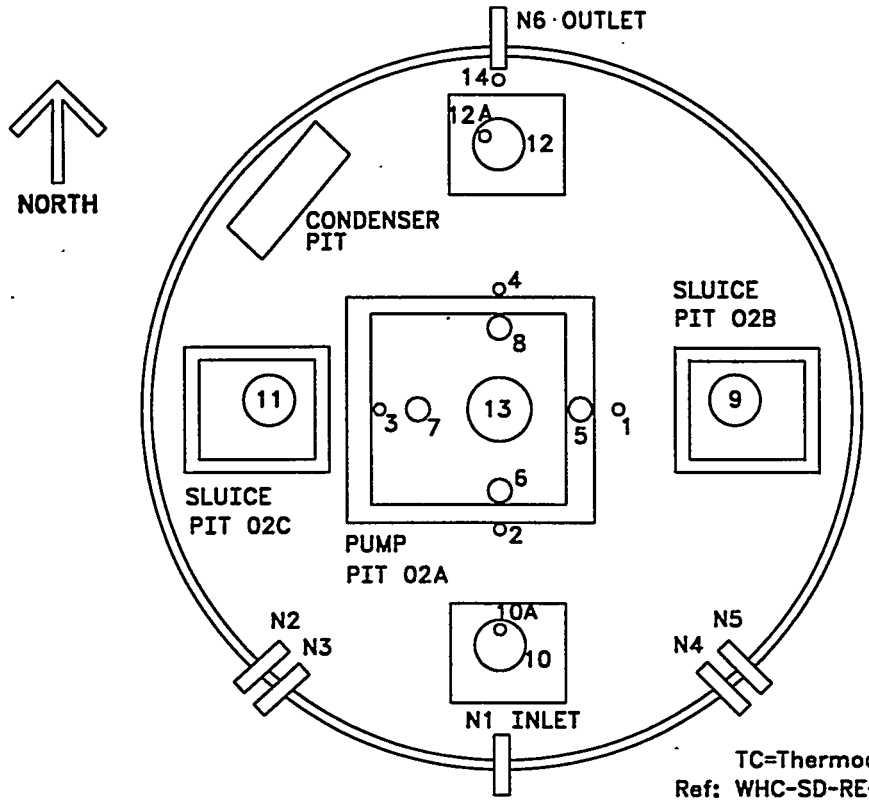


Ref: H-2-1312, Rev. 2
Merrick Maps of
200 Area's 89210406

241-BY-102		
NO.	DIA.	DESCRIPTION AND COMMENTS
1	4"	B-436 LOW
2	4"	BG
3	4"	
4	4"	SMP
5	4"	LIQUID LEVEL REEL , BM
6	12"	CONCRETE PLUG
7	12"	SALTWELL SCREEN AND PUMP
8	12"	CONCRETE PLUG
9A	42"	WC
9B	26"	WC
10	42"	WC, BG
10A	12"	OBSV PORT
11	42"	WC, BG
12	42"	WC, BG
12A	4"	WC, BG
13	42"	(AIR LIFT CIRCULATOR, ITS UNIT)
14	4"	BREATHER FILTER

241-BY-102

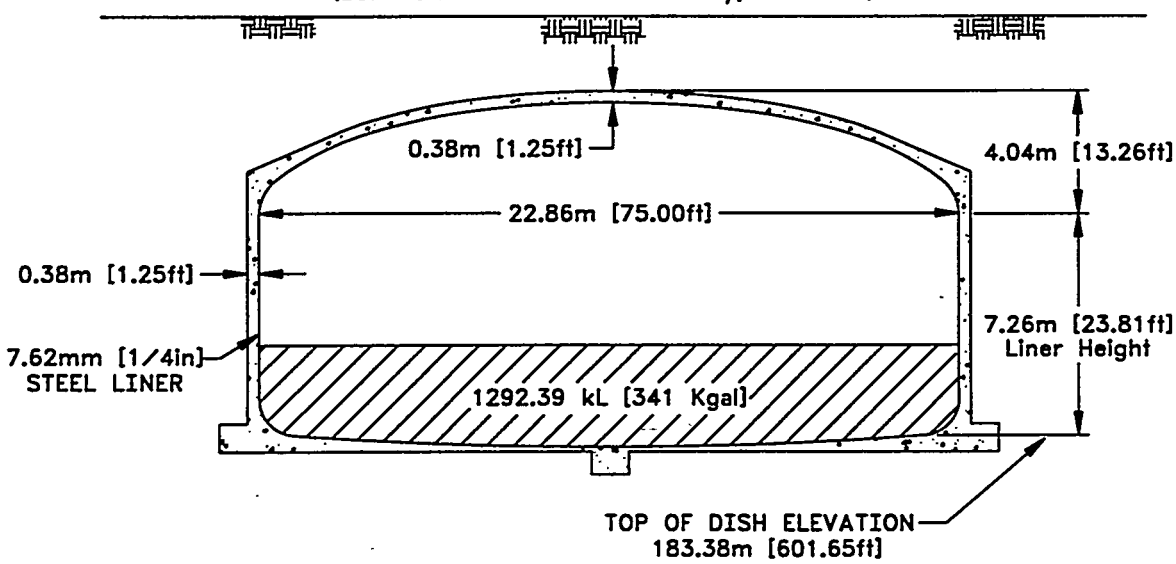
2,872,820 Liters
[758,000 Gallons]



TC=Thermocouple
Ref: WHC-SD-RE-TI-053, Rev. 8
WHC-SD-WM-TI-553, Rev. 0
H-2-73244, Rev. 4

TANK RISER LOCATION

Approximate Grade Elevation 197.9m [649.3ft]
(ICF Kaiser Hanford Field Survey, 4/15/94)

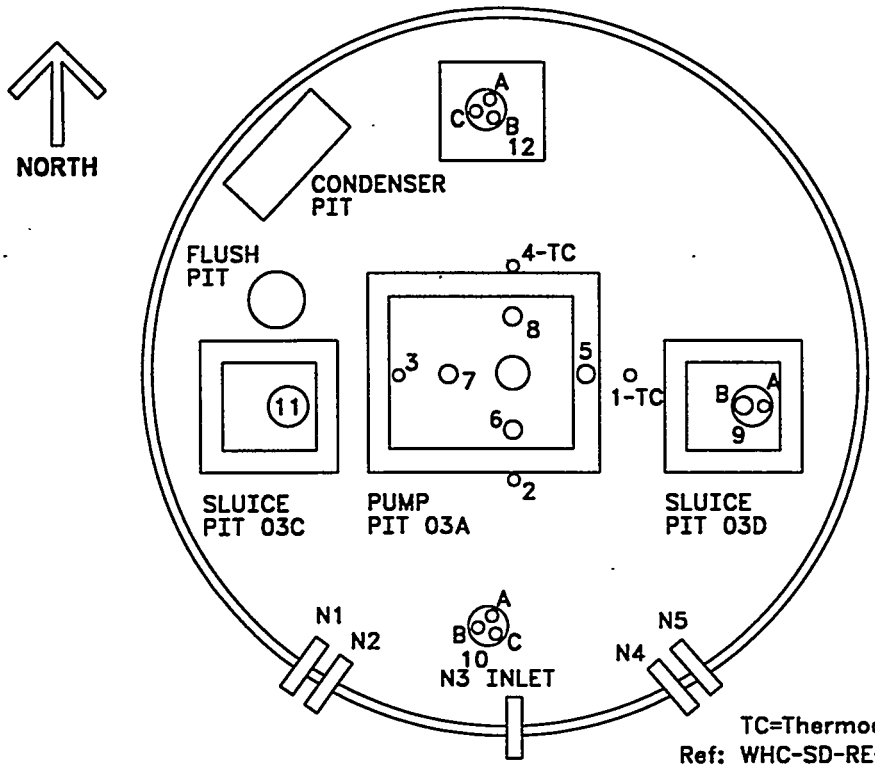


Ref: H-2-1312, Rev. 2

241-BY-103		
NO.	DIA.	DESCRIPTION AND COMMENTS
1	4"	TEMPERATURE PROBE, UNUSED
2	4"	BG
3	4"	PIT DRAIN
4	4"	FLANGE
5	4"	LIQUID LEVEL REEL
6	12"	CONCRETE COVER
7	12"	SALTWELL SCREEN AND PUMP
8	12"	CONCRETE COVER
9A	4"	WC
9B	14"	WC
10A	4"	B-436 LOW
10B	12"	OBSV PORT
10C	14"	BG, AIRLIFT CIRCULATOR (WELDED COVER)
10D	4"	LIQUID LEVEL REEL
11	42"	BG, WC
12	42"	BG
12A	4"	BREATHER FILTER
12B	14"	BG, AIR LIFT CIRCULATOR
12C	18"	BG
13	42"	
13A	4"	FLANGE
13B	14"	AIRLIFT CIRCULATOR

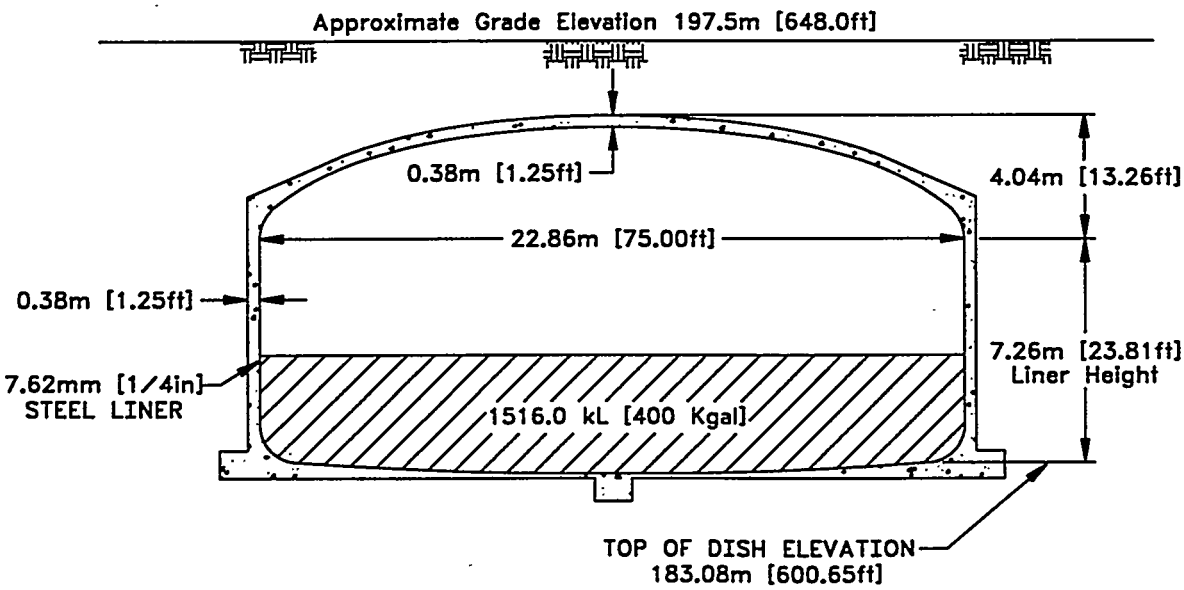
241-BY-103

2,872,820 Liters
[758,000 Gallons]



TC=Thermocouple
Ref: WHC-SD-RE-TI-053, Rev. 8
WHC-SD-WM-TI-553, Rev. 0
H-2-73245, Rev. 4

TANK RISER LOCATION

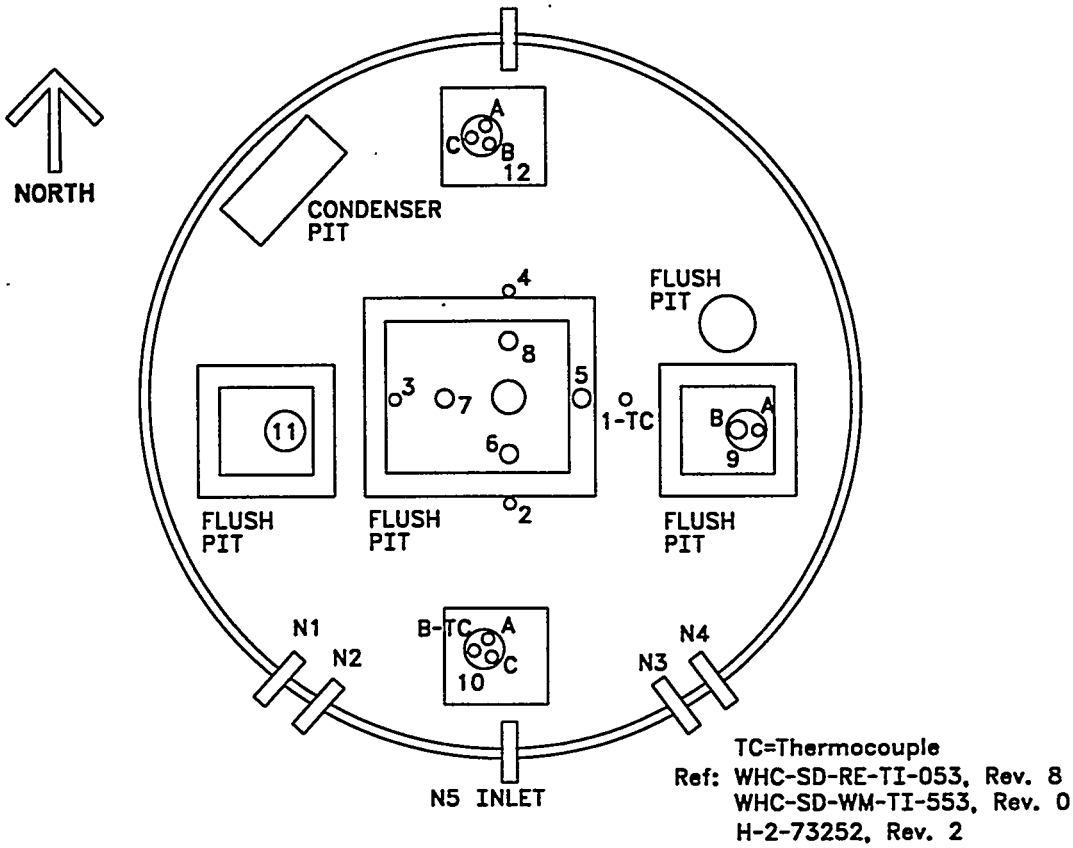


Ref: H-2-1312, Rev. 2
Merrick Maps of
200 Area's 89210406

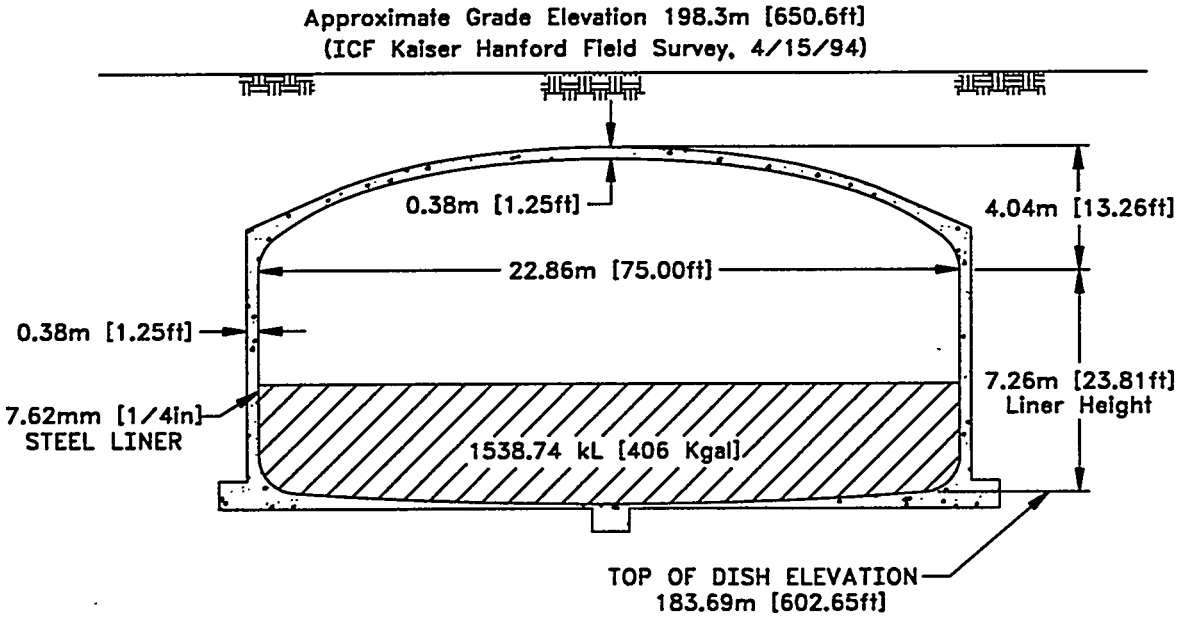
241-BY-104		
NO.	DIA.	DESCRIPTION AND COMMENTS
1	4"	TEMPERATURE PROBE, MANUAL B-221
2	4"	DOG LEG - BG
3	4"	SPARE
4	4"	BREATHER FILTER, G-1 HOUSING
5	12"	LIQUID LEVEL REEL, 4" SPOOL
6	12"	CONCRETE COVER
7	12"	(SALTWELL SCREEN & PUMP)
8	12"	CONCRETE COVER
9	42"	WC
10A	18"	UNUSABLE OBSV PORT
10B	4"	SPARE
10C	4"	B-436 LOW, BM
11	42"	WC
12	42"	WC AND SHIELDED
13	42"	

241-BY-104

2,872,820 Liters
[758,000 Gallons]



TANK RISER LOCATION

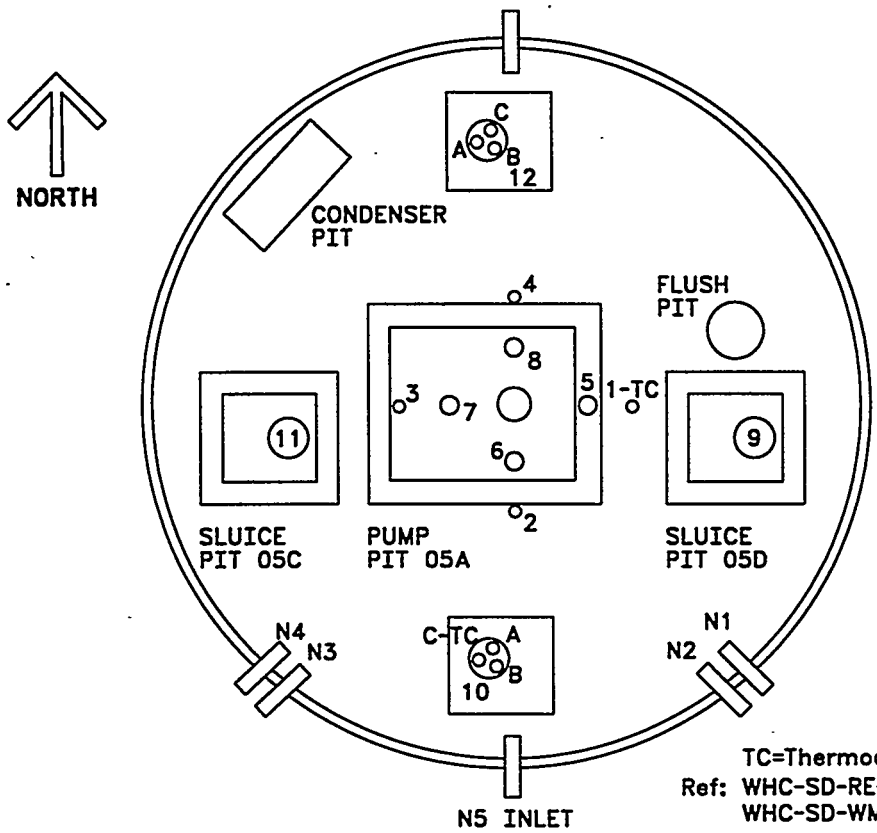


Ref: H-2-1312, Rev. 2

241-BY-105		
NO.	DIA.	DESCRIPTION AND COMMENTS
1	4"	TEMPERATURE PROBE - MANUAL B-221
2	4"	DOG LEG - BG
3	4"	DRAIN
4	6"	FLANGE - DOG LEG
5	12"	LIQUID LEVEL REEL, 4" SPOOL
6	12"	CONCRETE COVER
7	12"	SPARE
8	12"	CONCRETE COVER
9	42"	
10A	18"	DEENTRAINER AND AIR LIFT CIRCULATOR
10B	4"	B-436 LOW
10C	4"	TEMPERATURE, BM
11	42"	WC
12A	4"	BREATHER FILTER
12B	18"	AIR INLET
12C	14"	AIR LIFT CIRCULATOR, BG
13	42"	
13A	4"	SPARE, COVERED
13B	12"	SALTWELL SCREEN

241-BY-105

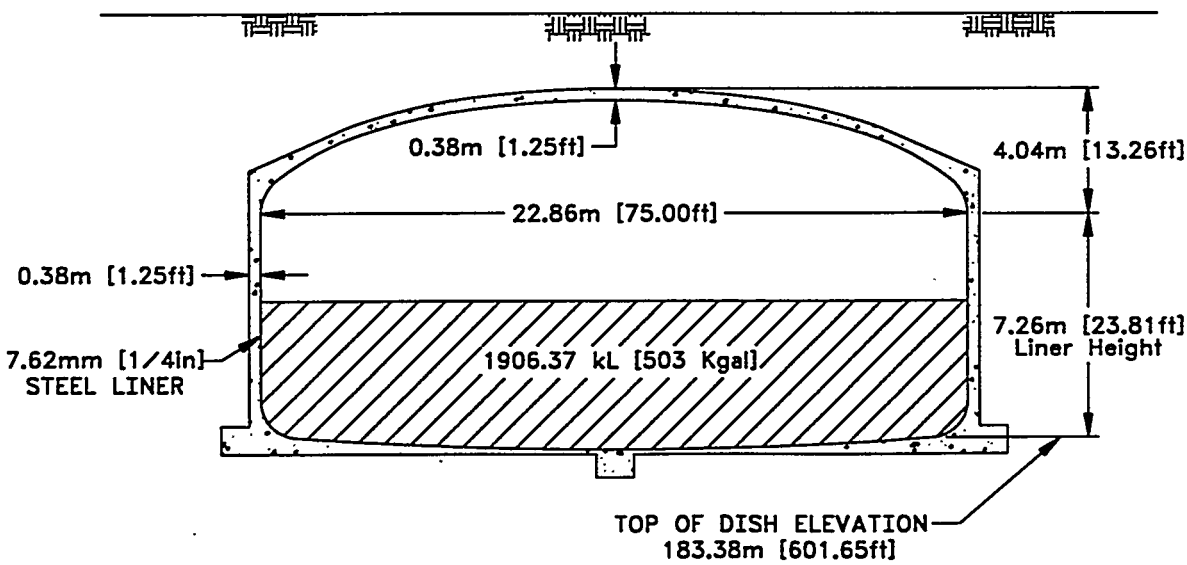
2,872,820 Liters
[758,000 Gallons]



TC=Thermocouple
Ref: WHC-SD-RE-TI-053, Rev. 8
WHC-SD-WM-TI-553, Rev. 0
H-2-73247, Rev. 5

TANK RISER LOCATION

Approximate Grade Elevation 197.9m [649.3ft]
(ICF Kaiser Hanford Field Survey, 4/15/94)

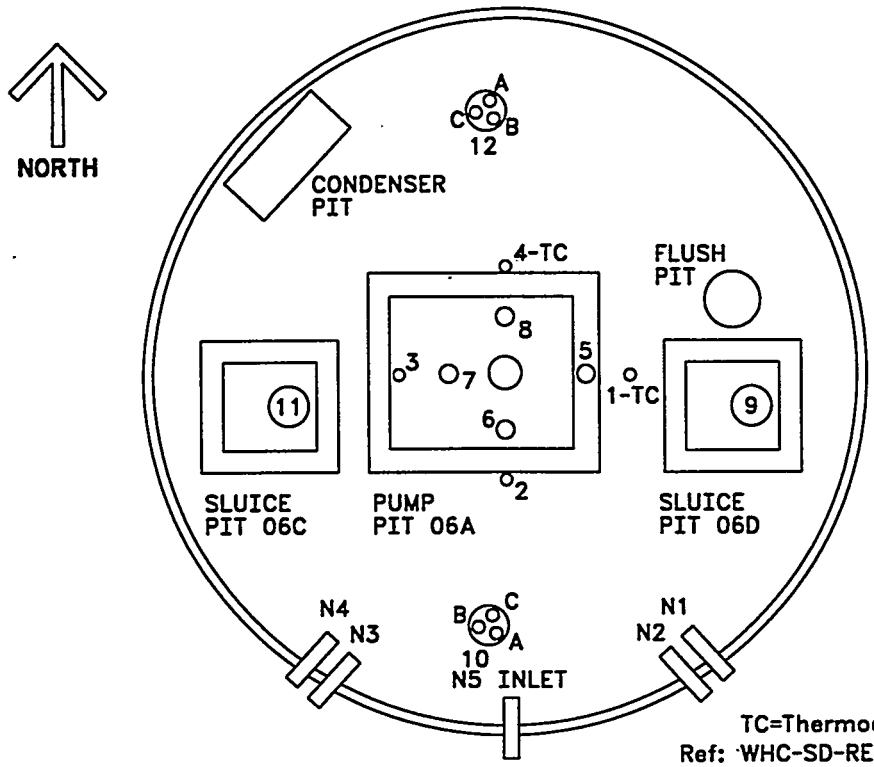


Ref: H-2-1312, Rev. 2

241-BY-106		
NO.	DIA.	DESCRIPTION AND COMMENTS
1	6"	TEMPERATURE PROBE - MANUAL B-221
2	4"	BG
3	4"	PIT DRAIN
4	4"	FLAGE
5	12"	LIQUID LEVEL REEL, 4" SPOOL
6	4"	CONCRETE COVER
7	12"	SPARE
8	12"	CONCRETE COVER
9	42"	SALTWELL SCREEN
10A	18"	DEEDNTRAINER AND AIR LIFT CIRCULATOR
10B	4"	BM, B-436 LOW
10C	4"	BREATHER FILTER
11	42"	WC, SALTWELL SCREEN
12A	18"	AIR INLET, BG
12B	12"	LIQUID LEVEL REEL, 4" SPOOL
12C	14"	AIRLIFT CIRCULATOR, BG
13	42"	
13A	12"	SALTWELL SCREEN

241-BY-106

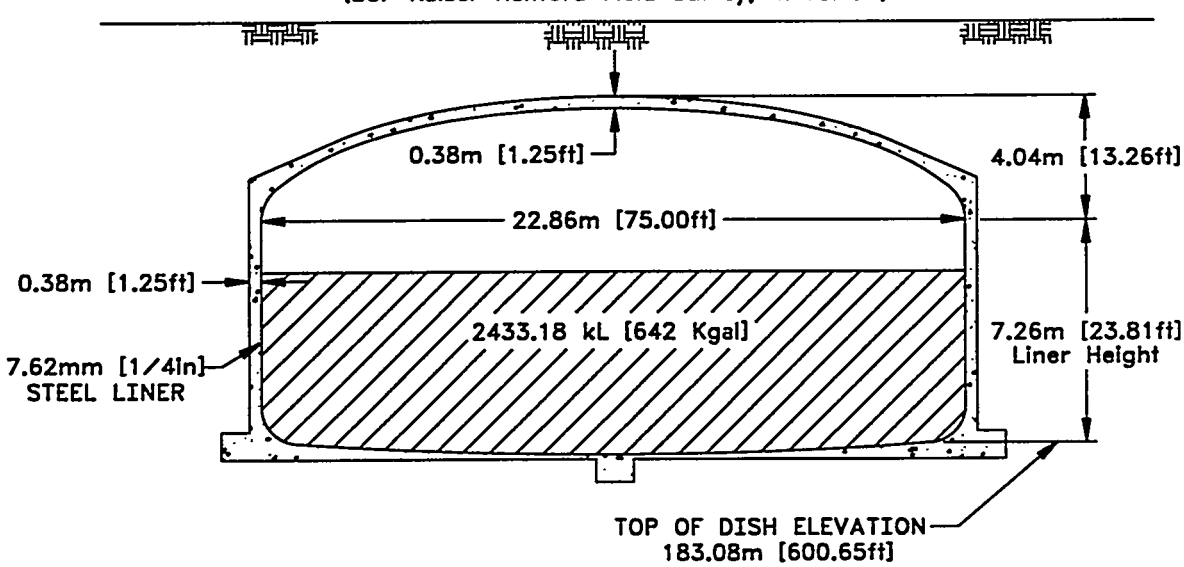
2,872,820 Liters
[758,000 Gallons]



TC=Thermocouple
Ref: WHC-SD-RE-TI-053, Rev. 8
WHC-SD-WM-TI-553, Rev. 0
H-2-73248, Rev. 4

TANK RISER LOCATION

Approximate Grade Elevation 197.5m [648ft]
(ICF Kaiser Hanford Field Survey, 4/15/94)

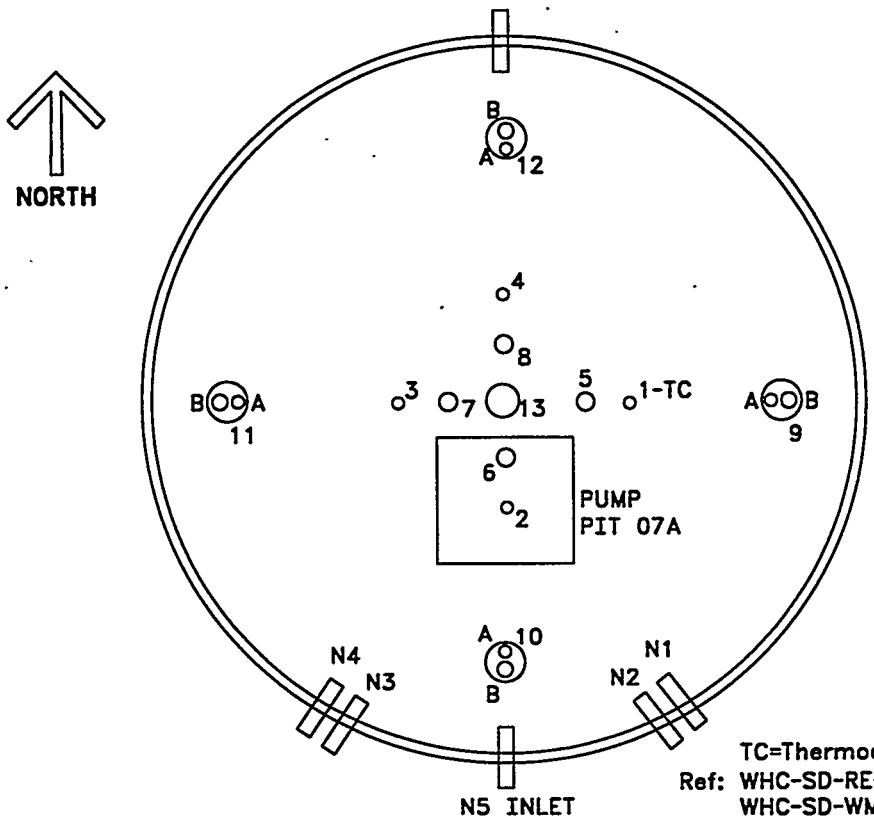


Ref: H-2-1312, Rev. 2

241-BY-107		
NO.	DIA.	DESCRIPTION AND COMMENTS
1	4"	TEMPERATURE PROBE
2	4"	WC
3	4"	BREATHER FILTER
4	4"	LIQUID LEVEL REEL
5	4"	FLANGE
6	12"	WC
7	12"	LOW
8	12"	FLANGE/B-222 OBSV PORT
9A	12"	BG, AIRLIFT CIRCULATOR
9B	12"	FLANGE WITH LEAD 3' TALL
10A	18"	BG
10B	12"	DIP TUBES
11A	12"	BG, AIRLIFT CIRCULATOR
11B	12"	FLANGE WITH LEAD 3' TALL
12A	12"	FLANGE, LEAD CAP, BALE, BM, AIRLIFT CIRCULATOR
12B		BG
13	42"	BG

241-BY-107

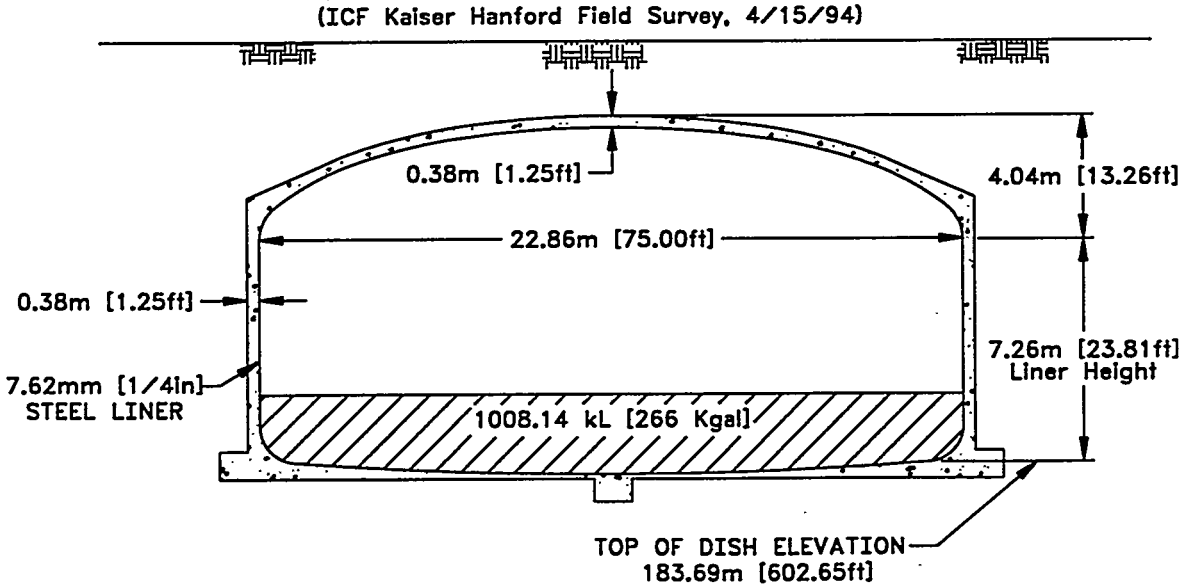
2,872,820 Liters
[758,000 Gallons]



TC=Thermocouple
Ref: WHC-SD-RE-TI-053, Rev. 8
WHC-SD-WM-TI-553, Rev. 0
H-2-73249, Rev. 2

TANK RISER LOCATION

Approximate Grade Elevation 198.3m [650.6ft]
(ICF Kaiser Hanford Field Survey, 4/15/94)

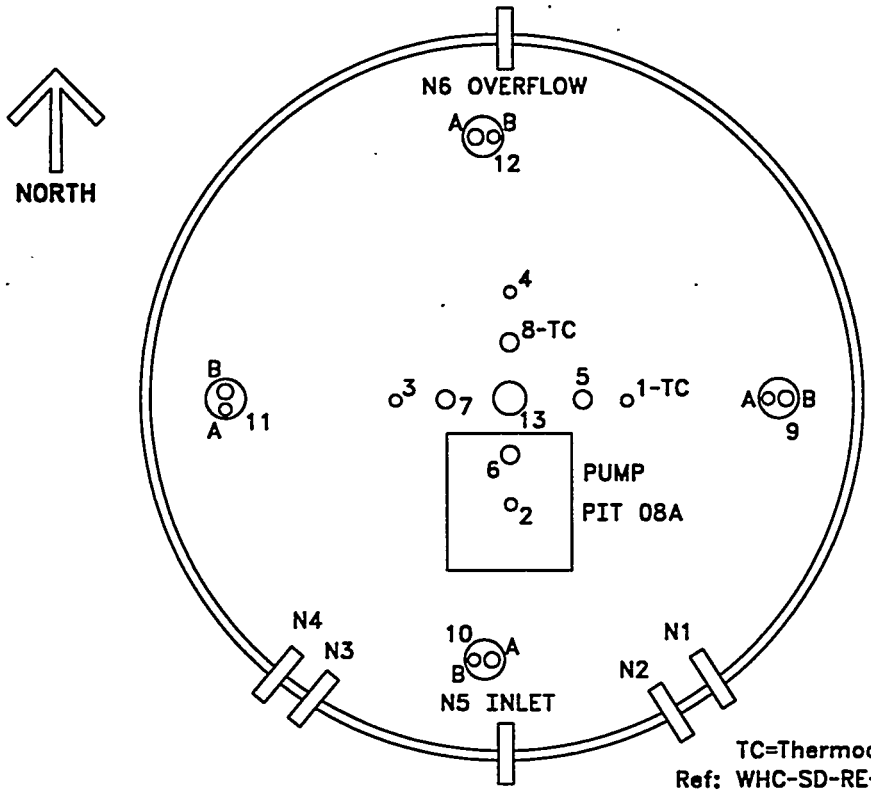


Ref: H-2-1312, Rev. 2

241-BY-108		
NO.	DIA.	DESCRIPTION AND COMMENTS
1	4"	FLANGE, BALE
2	4"	(FLANGE)
3	4"	BREATHER FILTER
4	4"	LIQUID LEVEL REEL, BM
5	4"	FLANGE
6	12"	WC
7	12"	BG
8	12"	TEMPERATURE PROBE
9A		BG
9B	12"	FLANGE AND SPOOL
10A	12"	EXH PORT, BM
10	18"	EQUIPMENT G
11A	12"	BG, AIRLIFT CIRCULATOR
11B	4"	CAPPED
12A	12"	OBSV PORT
12B	18"	BG, AIRLIFT CIRCULATOR
13	42"	BG

241-BY-108

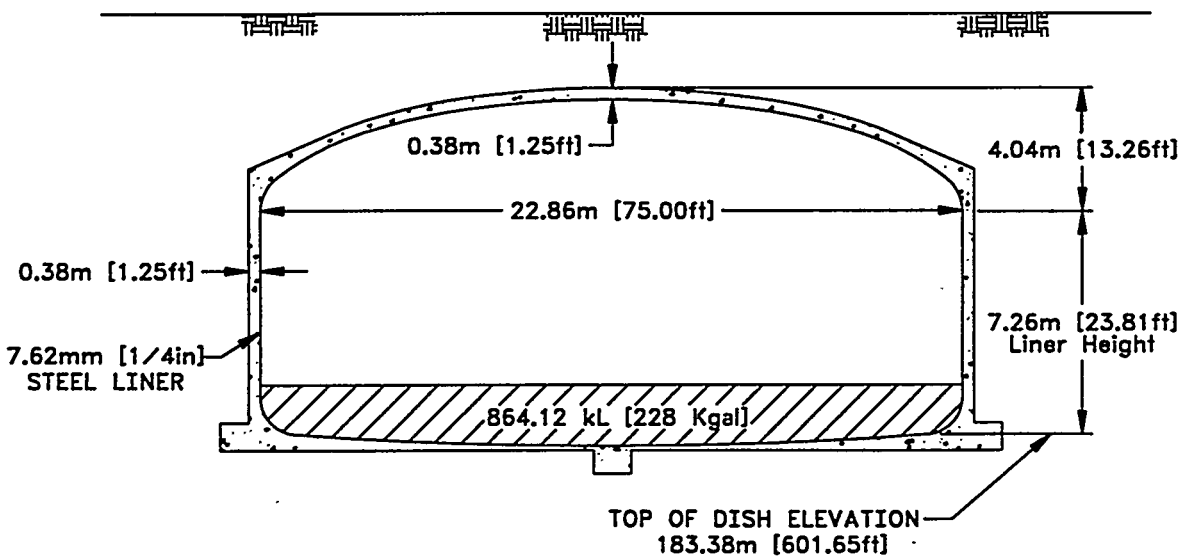
2,872,820 Liters
[758,000 Gallons]



TC=Thermocouple
Ref: WHC-SD-RE-TI-053, Rev. 8
WHC-SD-WM-TI-553, Rev. 0
H-2-73250, Rev. 5

TANK RISER LOCATION

Approximate Grade Elevation 197.9m [649.3ft]
(ICF Kaiser Hanford Field Survey, 4/15/94)

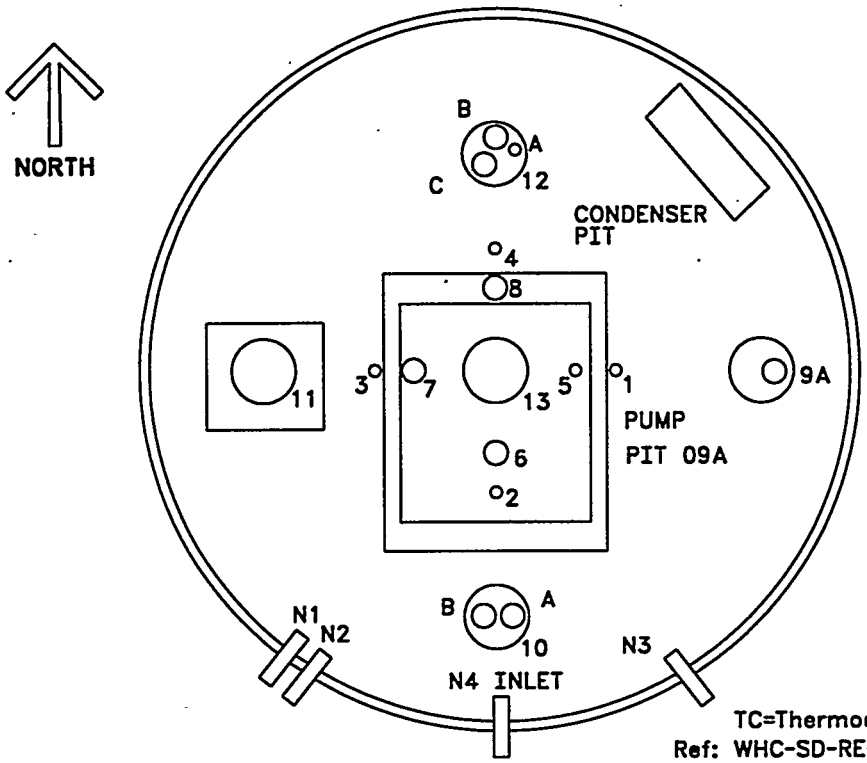


Ref: H-2-1312, Rev. 2

241-BY-109		
NO.	DIA.	DESCRIPTION AND COMMENTS
1	4"	BG
2	4"	(PIT DRAIN)
3	4"	BG
4	4"	FIC, BM
5	4"	
6	12"	SALTWELL SCREEN
7	12"	
8	12"	(COVERED WITH CONCRETE)
9A	12"	FLANGE
9B	12"	BG
10A	12"	BREATHER FILTER, G1 HOUSING
10B	12"	OBSV PORT
11A	4"	BLIND FLANGE WC
11B	42"	COVERED WITH PLYWOOD WC
12A	4"	90° TURN ABOVE GRADE
12B	12"	B-436 LOW
12C	12"	FLANGE, LEAD COVERED
13	42"	
13C	12"	SALTWELL SCREEN AND PUMP

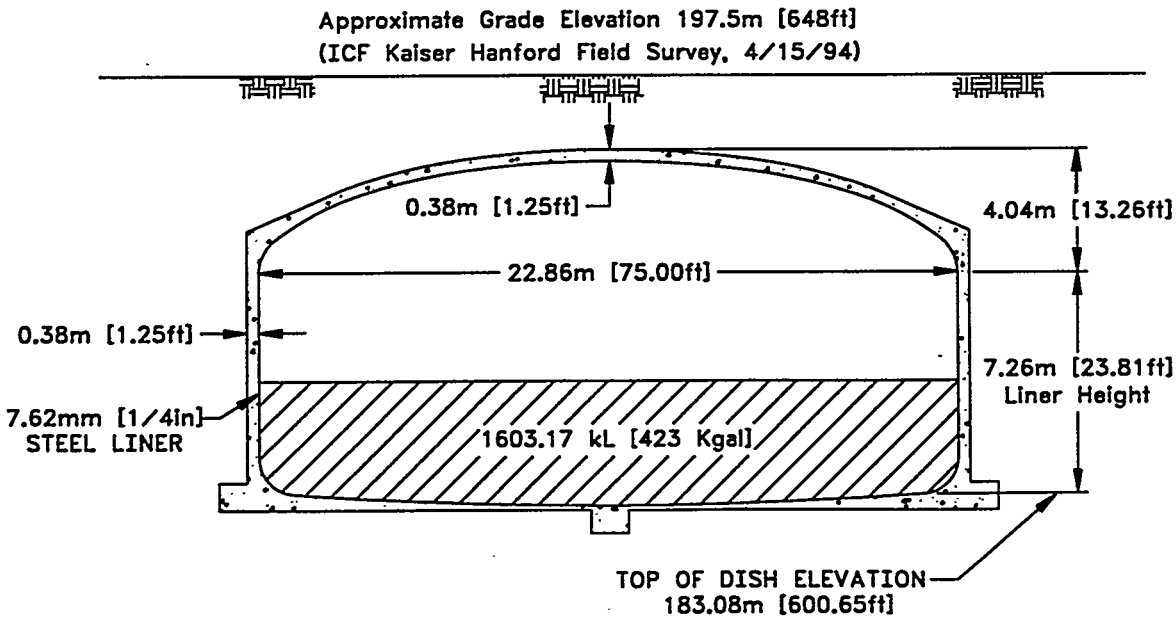
241-BY-109

2,872,820 Liters
[758,000 Gallons]



TC=Thermocouple
Ref: WHC-SD-RE-TI-053, Rev. 8
WHC-SD-WM-TI-553, Rev. 0
H-2-73253, Rev. 2

TANK RISER LOCATION

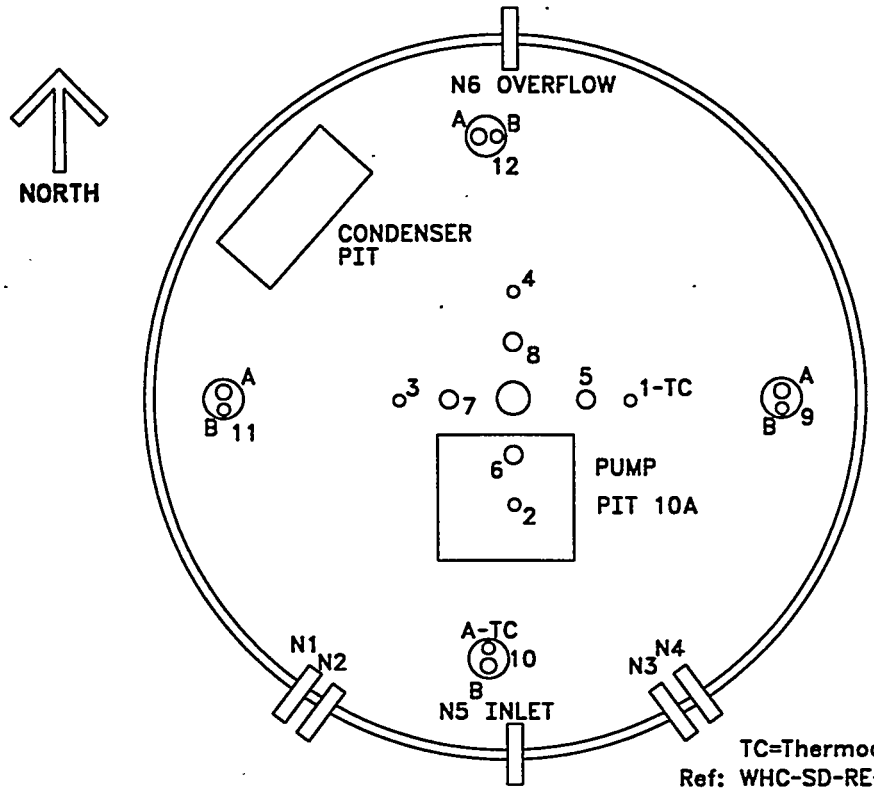


Ref: H-2-1312, Rev. 2

241-BY-110		
NO.	DIA.	DESCRIPTION AND COMMENTS
1	4"	TEMPERATURE PROBE
2	4"	WC
3	4"	B-436 LOW
4	4"	LIQUID LEVEL REEL
5	12"	TEMPERATURE PROBE BG
6	12"	SALTWELL SCREEN AND PUMP
7	12"	FLANGE - PROCESS INLET BG
8	12"	TEMPERATURE PROBE
9A	12"	BG, AIRLIFT CIRCULATOR
9B		BG
10A	12"	BREATHER FILTER, G1 HOUSING
10B	18"	OBSV PORT
11A	12"	BG, AIRLIFT CIRCULATOR
11B		BG
12A	12"	UNKNOWN EQUIPMENT
13	42"	EQUIPMENT BG

241-BY-110

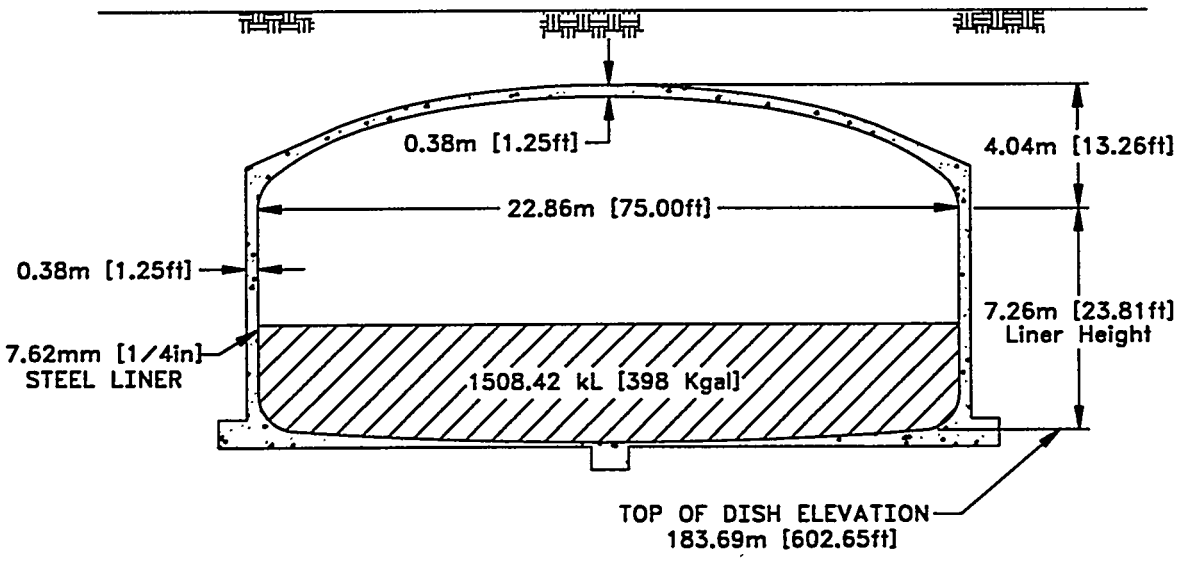
2,872,820 Liters
[758,000 Gallons]



TC=Thermocouple
Ref: WHC-SD-RE-TI-053, Rev. 8
WHC-SD-WM-TI-553, Rev. 0
H-2-73254, Rev. 2

TANK RISER LOCATION

Approximate Grade Elevation 198.3m [650.6ft]

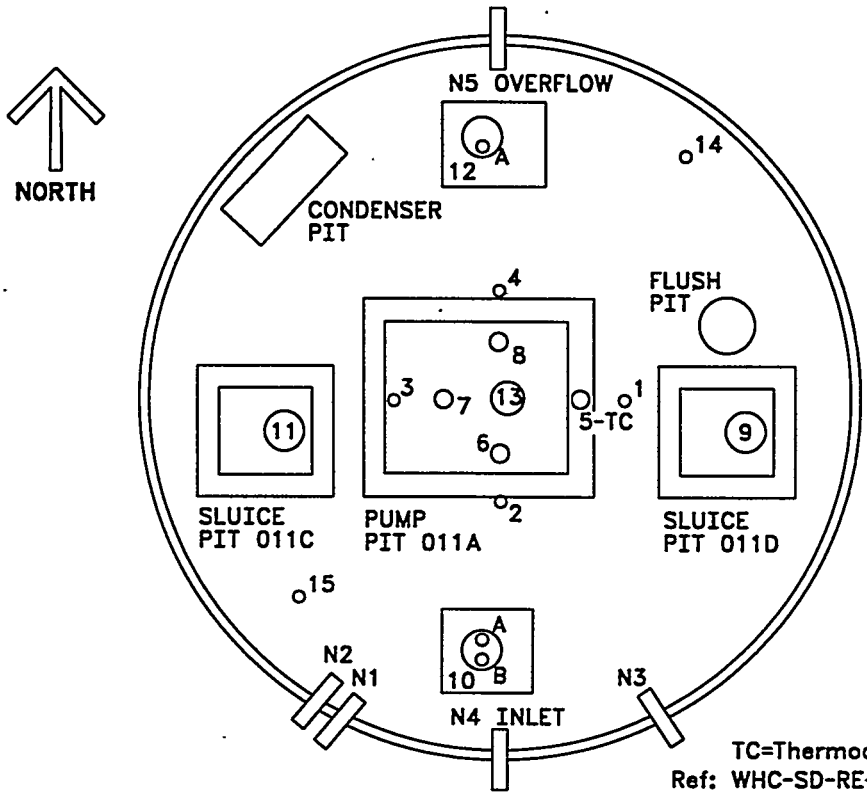


Ref: H-2-1312, Rev. 2
Merrick Maps of
200 Area's 89210406

241-BY-111		
NO.	DIA.	DESCRIPTION AND COMMENTS
1	4"	B-436 LOW
2	4"	EQUIPMENT INSTALLED BG
3	4"	(PIT DRAIN) WC
4	4"	BREATHER FILTER, G1 HOUSING
5	4"	FLANGE
6	12"	WC
7	12"	(JET PUMP AND SALTWELL SCREEN)
8	12"	WC
9	42"	WC
10A	4"	FLANGED BG
10B	12"	BM, AIRLIFT CIRCULATOR
11	42"	WC
11A	12"	AIRLIFT CIRCULATOR
12	42"	FLANGE WC
12A	12"	OBSV PORT
13	42"	WC
13A	12"	AIRLIFT CIRCULATOR
14	6"	FLANGED
15	6"	LIQUID LEVEL REEL

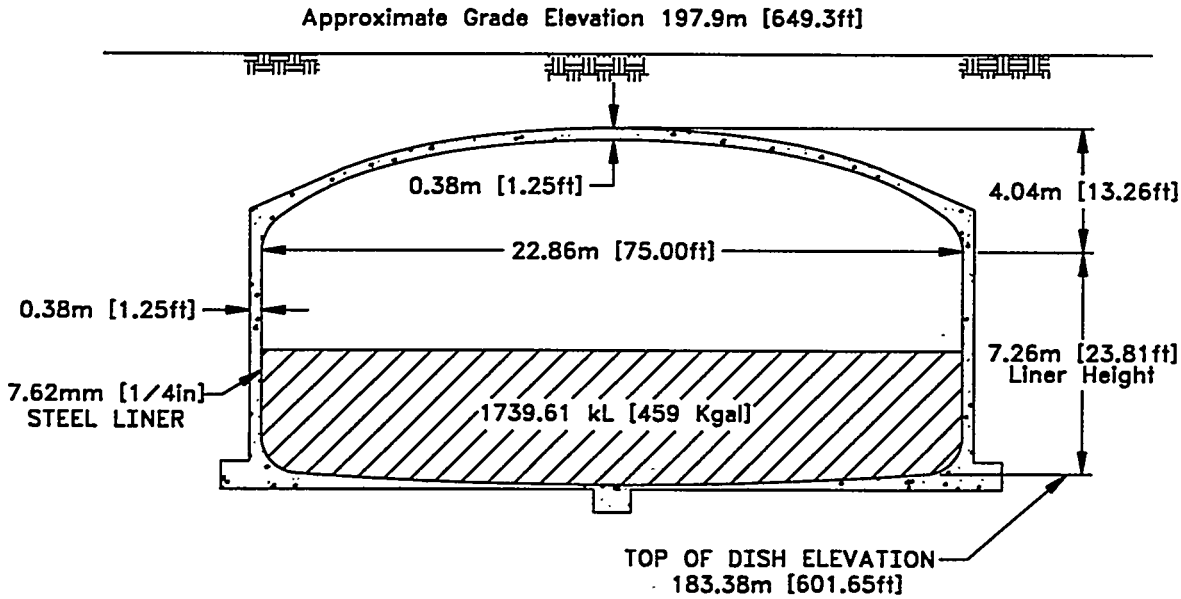
241-BY-111

2,872,820 Liters
[758,000 Gallons]



TC=Thermocouple
Ref: WHC-SD-RE-TI-053, Rev. 8
WHC-SD-WM-TI-553, Rev. 0
H-2-73255, Rev. 2

TANK RISER LOCATION

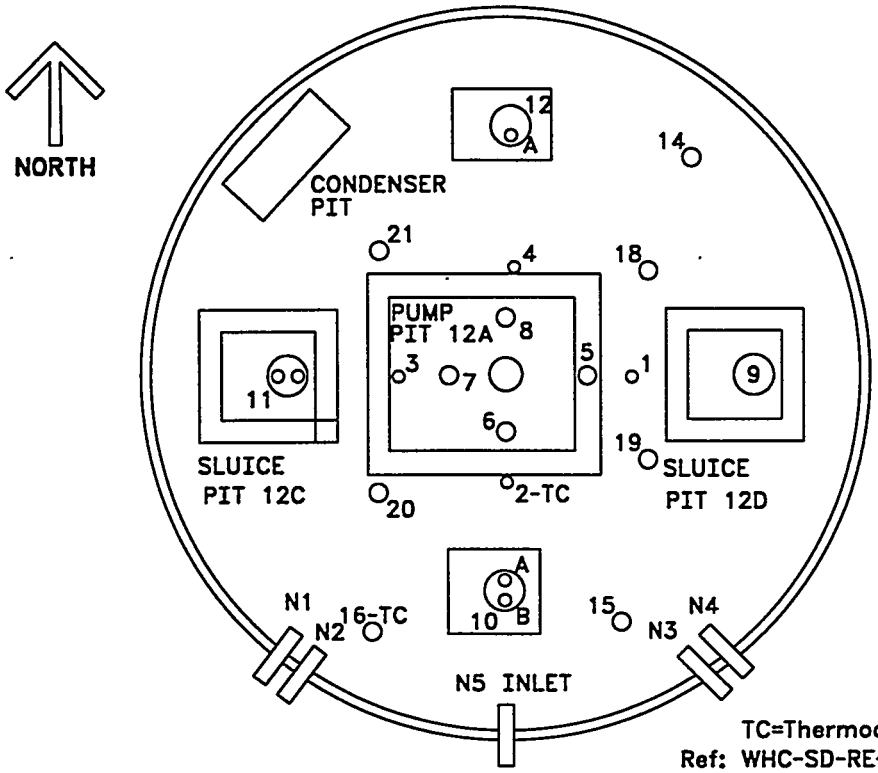


Ref: H-2-1312, Rev. 2
Merrick Maps of
200 Area's 89210406

241-BY-112		
NO.	DIA.	DESCRIPTION AND COMMENTS
1	4"	BREATHER FILTER, G1 HOUSING
2	4"	BLIND FLANGE
3	4"	WC
4	4"	BG
5	4"	FLANGE
6	12"	WC
7	12"	(SALTWELL SCREEN AND JET PUMP) WC
8	12"	WC
9	42"	WC
10A	12"	FLANGE - LEAD COVER/OBSV PORT
10B	12"	BLIND FLANGE
11	42"	WC
12	42"	WC
13	42"	WC
14	6"	WC
15	6"	FLANGE/B-436 LOW
16	6"	TEMPERATURE - NOT MOVABLE, (CAISSON) WC
18	6"	SPOOL AND FLANGE, BM
19	6"	LIQUID LEVEL
20	4"	BLIND FLANGE
21	4"	SPOOL AND FLANGE

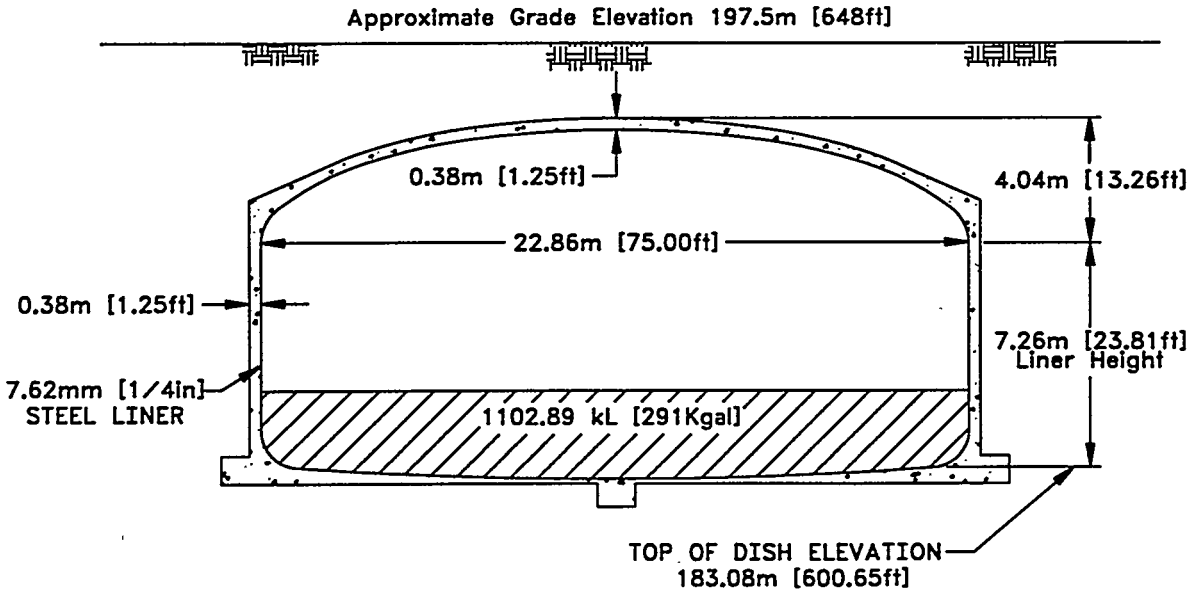
241-BY-112

2,872,820 Liters
[758,000 Gallons]



TC=Thermocouple
Ref: WHC-SD-RE-TI-053, Rev. 8
WHC-SD-WM-TI-553, Rev. 0
H-2-73256, Rev. 2

TANK RISER LOCATION



Ref: H-2-1312, Rev. 2
Merrick Maps of
200 Area's 89210406

Waste Tank 101-BY		
STUDIES OF "IN FARM SCAVENGING" LABORATORY STUDIES		
December 20, 1955		
COMPONENT	LAB VALUE	LAB UNITS
Physical Data		
pH	9.5	
Chemical Analysis		
PO4 (3-)	0.14	M
SO4 (2-)	0.075	M
Na+	3.6	M
NiSO4	-	
NaLFe(CN)6	-	
Ce(NO3)2	0.01	M
	0.03	M
Sr(NO3)2	-	
Radiological Analysis		
Average Initial Composition		
Cs 137	0.033	uCi/ml
Sr 90	0.91	uCi/ml
Final Composition		
Cs 137	0.018	uCi/ml
Cs 137	0.027	uCi/ml
Sr 90	0.079	uCi/ml
Sr 90	0.022	uCi/ml

Wast Tank BY 101				
STUDIES OF "IN FARM SCAVENGING" LABORATORY STUDIES				
December 20, 1955				
COMPONENT	AVERAGE INTIAL COMPOSITION	SCAVENGING FLOWSHEET	FINAL CONCENTRATION	LAB UNITS
Physical Data				
pH	9.5			
Chemical Analysis				
PO4(3-)	0.14			M
SO4(2-)	0.075			M
Na+	3.6			M
Cs(NO3)2		0.01		M
Cs(NO3)2		0.03		M
Radiological Analysis				
Cs 137	0.033		0.018	uCi/ml
Cs 137			0.027	uCi/ml
Sr90	0.91		0.079	uCi/ml
Sr90			0.022	uCi/ml

Waste Tank 101-BY		
ANALYSIS OF TRANK FARM SAMPLE		
August 16, 1972		
Sample: T-5404		
COMPONENT	LAB VALUE	LAB UNITS
Physical Data		
Visible: Clear, green, < 10% solids, 20 RAD		
SpG	1.423	
Boildown starting volume	50	ml
Boildown % solids	6	%
Radiological Analysis		
GEA: 137 Cs	1.18E+ 06	uCi/gal
GEA: 134 Cs	8.70E+ 03	uCi/gal
SEP CS: Cs 137	1.21E+ 06	uCi/gal
SEP CS: Cs 134	7.34E+ 03	uCi/gal

Waste Tank BY102				
SUMMARY OF "IN-FARM SCAVENGING" LABORATORY STUDIES				
December 20, 1955				
COMPONENT	LAB VALUE			LAB UNIT
	AVERAGE INTIAL COMPOSITION	SCAVENGING FLOWSHEET	FINAL CONCEN-TRATION	
Physical Data				
pH	9.40			
pH Adj				
Chemical Analysis				
(PO4)3	0.13			M
(SO4)2	0.21			M
Na+	1.4			M
Cs(NO3)2		0.01		M
Cs(NO3)2		0.03		M
Radiological Analysis				
Cs 137	0.044		0.053	uCi/ml
Cs 137			0.057	uCi/ml
Sr 90	3.12		0.99	uCi/ml
Sr 90			0.045	uCi/ml

Waste Tank BY103				
SUMMARY OF "IN-FARM SCAVENGING" LABORATORY STUDIES				
December 20, 1955				
	LAB VALUE			
COMPONENT	AVERAGE INITIAL COMPOSITION	SCAVENGING FLOWSHEET	FINAL CONCENTRATION	LAB UNIT
Physical Data				
pH	9.3			
pH Adj		No		
Chemical Analysis				
(PO4)3	0.14			M
(SO4)2	0.24			M
Na+	3.9			M
Cs(NO3)2		0.01		M
Cs(NO3)2		0.03		M
Radiological Analysis				
Cs 137	0.057		0.024	uCi/ml
Cs 137			0.018	uCi/ml
Sr 90	1.6		0.055	uCi/ml
Sr 90			0.055	uCi/ml

WASTE TANK BY-103					
Analysis of 103-BY Supernatant Liquid					
October 14, 1971					
	LAB VALUE				
COMPONENT	30 deg C	40 deg C	50 deg C	60 deg C	LAB UNIT
Physical Data					
Vpl. % Solid	22	14.8	8.9	0	
SpGr	1.469	1.479	1.494	1.500	
Chemical Analysis					
Na	11.9	11.6	11.7	12	M
Al	2.17	1.82	1.82	1.64	M
NO2	1.23	1.06	1.01	0.54	M
NO3	2.57	2.33	2.98	3.04	M
CO3	0.45	0.17	0.14	- -	M
SO4	0.015	0.022	0.017	0.017	M
TAD	7.87	8.07	7.34	6.99	M
Radiological Ananlysis					
137 Cs	3.44E+ 05	3.37E+ 05	3.23E+ 05	4.21E+ 05	uCi/l
134 Cs	3.83E+ 03	3.81E+ 03	3.56E+ 03	3.47E+ 03	uCi/l

Waste Tank 106-BY					
Analysis of 106-BY Supernatant Liquid					
October 14, 1971					
COMPONENT	LAB VALUE				LAB UNIT
Physical Data					
	30*C	40*C	50*C	60*C	
Vol. % Solid	19.6	13.2	5.2	0	
Sp Gr	1.453	1.484	1.484	1.478	
Chemical Analysis					
Na	12.2	11.7	12.4	12.1	M
Al	2.00	2.00	2.22	1.79	M
NO2	1.00	1.08	1.00	1.00	M
NO3	2.79	2.86	3.73	4.17	M
CO3,	0.97	0.9	0.55	0.65	M
SO4	0.016	0.005	0.013	0.013	M
TAD	6.36	6.33	6.13	5.93	M
Radiological Analysis					
137 Cs	3.30E+05	3.30E+05	3.20E+05	3.23E+05	Uci/l
134 Cs	3.44E+03	3.50E+03	3.26E+03	3.28E+03	Uci/l

Waste Tank 106-BY					
ANALYSES OF TANK 106-BY SAMPLES					
April 13, 1972					
	No. 7395, Surface		No. 7394, 33 ft. 10 in.		
COMPONENT	LAB VALUE	WEIGHT %	LAB VALUE	WEIGHT %	LAB UNIT
Physical Data					
Density	1.415		1.414		g/cc
Chemical Analyses					
H2		53.20%		53.20%	
Na	9.85	16%	10.32	16.80%	M
Al	2.58	4.90%	2.37	4.50%	M
NO2	1.11	3.60%	1.13	3.70%	M
NO3	2.89	12.70%	2.62	12%	M
OH	3.95	4.70%	3.81	4.60%	M
TAD	6.76		6.48		M
TOTAL		95.1		94.80%	

Waste Tank 109-BY			
Analysis of Tank Farm Samples			
August 3, 1972			
Sample #T-5953			
COMPONENT	LAB VALUE		LAB UNIT
Physical Data			
Visible - Clear Yellow; No organics; 25% solids			
SpG	1.381		
Boildown starting volume		50	mL
Boildown % solids		25%	
Radiological Analysis			
GEA Cs-137	1.66E+ 06		uCi/gal
GEA Cs-134	2.41E+ 04		uCi/gal

Waste Tank 109-BY			
Analysis of Tank Farm Samples			
August 3, 1972			
Sample #T-6968			
COMPONENT	LAB VALUE		LAB UNIT
Physical Data			
Visible - Thick Yellow; 10% solids			
SpG	1.4425		
Boildown Starting Volume		30	mL
Boildown %Solids		4%	
Radiological Analysis			
GEA Cs-137	1.52E+ 06		uCi/gal
GEA Cs-134	2.26E+ 04		uCi/gal

Waste Tank 109-BY			
Analysis of Tank Farm Samples			
August 10, 1972			
Sample #T-7993			
COMPONENT	LAB VALUE		LAB UNIT
Physical Data			
Visible - Clear Yellow; 15% white solids			
SpG	1.463		
Boildown Starting Volume		50	mL
Boildown %Solids		15%	
Radiological Analysis			
GEA Cs-137	1.69 E+ 06		uCi/gal
GEA Cs-134	2.29 E+ 04		uCi/gal

Waste Tank 109-BY			
Analysis of Tank Farm Samples			
August 17, 1972			
Sample #T-8966			
COMPONENT	LAB VALUE		LAB UNIT
Physical Data			
Visible - Clear, Yellow; 15% solids; 300 mRad			
SpG	1.455		
Boildown Starting Volume		50	mL
Boildown % Solids		10%	
Radiological Analysis			
GEA Cs-137	4.39E+ 05		uCi/gal
GEA Cs-134	2.46E+ 04		uCi/gal

Analysis of Tank Farm Samples			
August 25, 1972			
Sample #T-206			
COMPONENT	LAB VALUE		LAB UNIT
Physical Data			
Visible - Clear, Yellow; ~5% white solids; 400 mRad			
SpG	1.4415		
Boildown starting Volume		50	mL
Boildown %solids		0%	
Radiological Analysis			
GEA Cs-137	1.62E+ 06		uCi/gal
GEA Cs-134	2.41E+ 04		uCi/gal

Waste Tank 109-BY			
Analysis of Tank Farm Samples			
September 12, 1972			
Sample #T-1832			
COMPONENT	LAB VALUE		LAB UNIT
Physical Data			
Visible - Clear, Yellow; ~ 10% white solids; 1 mRad			
SpG	1.420		
Boildown starting Volume		50	mL
Boildown %solids		1%	
Radiological Analysis			
GEA Cs-137	1.50E+ 06		uCi/gal
GEA Cs-134	2.69E+ 04		uCi/gal

Waste Tank 109-BY			
Analysis of Tank Farm Samples			
September 26, 1972			
Sample #T-2490			
COMPONENT	LAB VALUE		LAB UNIT
Physical Data			
Visible - Yellow; 40% white solids; 400 mRad			
SpG	1.282		
Boildown starting Volume		50 mL	mL
Boildown %solids		1%	
Radiological Analysis			
GEA Cs-137	1.78E+ 06		uCi/gal
GEA Zrnb-95	-3.61E+ 03		uCi/gal
GEA Cs-134	3.66E+ 04		uCi/gal

Waste Tank 109-BY			
Analysis of Tank Farm Samples			
October 6, 1972			
Sample #T-2833			
COMPONENT	LAB VALUE		LAB UNIT
Physical Data			
Visible - Yellow; 3% white solids; 1 Rad			
SpG	1.366		
Boildown starting volume		50	mL
Boildown %Solids		4%	
Radiological Analysis			
GEA Cs-137	1.36E+ 06		uCi/gal
GEA Cs-134	3.12E+ 04		uCi/gal

Waste Tank 109-BY			
Analysis of Tank Farm Samples			
November 16, 1972			
Sample #T-3743			
COMPONENT	LAB VALUE		LAB UNIT
Physical Data			
Visible - Pea Green; 35% white solids; 200 mRad			
SpG	1.402		
Radiological Analysis			
GEA Cs-137	1.71E+ 06		uCi/gal
GEA Cs-134	3.62E+ 04		uCi/gal

Waste Tank 109-BY			
Analysis of Tank Farm Samples			
November 28, 1972			
Sample #T-4005			
COMPONENT	LAB VALUE		LAB UNIT
Physical Data			
Visible - Light green; < 1% white solids; 1.8 Rads			
SpG	1.3617		
Boildown starting volume		50	mL
Boildown %solids		< 1%	
Radiological Analysis			
GEA Cs-137	1.36E+ 06		uCi/gal
GEA Cs-134	3.36E+ 04		uCi/gal

Waste Tank 109-BY			
Analysis of Tank Farm Samples			
December 18, 1972			
Sample #T-4316			
COMPONENT	LAB VALUE		LAB UNIT
Physical Data			
Visible - Green with solids; 20% solids; 3.0 Rads			
SpG	1.422		
Boildown starting volume		50	mL
Boildown %solids		20%	
Radiological Analysis			
GEA Cs-137	1.58E+06		uCi/gal
GEA Sb-125	5.53E+03		uCi/gal
GEA Cs-134	3.44E+04		uCi/gal

Waste Tank 109-BY			
Analysis of Tank Farm Samples			
January 8, 1973			
Sample #T-4573			
COMPONENT	LAB VALUE		LAB UNIT
Physical Data			
Visible - Yellow; 5% white solids; 1.2 Rads			
SpG	1.225		
Boildown starting volume		50	mL
Boildown %Solids		16%	
Radiological Analysis			
GEA Cs-137	7.34E+ 05		uCi/gal
GEA Cs-134	1.85E+ 04		uCi/gal

Waste Tank 109-BY			
Analysis of Tank Farm Samples			
January 16, 1973			
Sample #T-4911			
COMPONENT	LAB VALUE		LAB UNIT
Physical Data			
Appearance - Yellow; ~5% white solids; 1.5 Rad			
SpG	1.404		
Boildown starting volume		50	mL
Boildown %Solids		~5%	
Radiological Analysis			
GEA Cs-137	1.93E+ 06		uCi/gal
GEA Cs-134	3.62E+ 04		uCi/gal

Waste Tank 109-BY			
Analysis of Tank Farm Samples			
January 31, 1973			
Sample #T-5124			
COMPONENT	LAB VALUE		LAB UNIT
Physical Data			
Visible - Yellow; 20% white solids; 1500 mRad			
SpG	1.396		
Boildown starting volume		50	mL
Boildown %Solids		2%	
Radiological Analysis			
GEA Cs-137	1.94E+ 06		uCi/gal
GEA Cs-134	3.47E+ 04		uCi/gal

Waste Tank 109-BY			
Analysis of Tank Farm Samples			
February 7, 1973			
Sample #T-5391			
COMPONENT	LAB VALUE		LAB UNIT
Physical Data			
Visible - Yellow; 10% white solids; 1 Rad			
SpG	1.324		
Boildown starting volume		50	mL
Boildown %solids		10%	
Radiological Analysis			
GEA Cs-137	1.20E+ 06		uCi/gal
GEA Cs-134	2.51E+ 04		uCi/gal

Waste Tank 109-BY			
Analysis of Tank Farm Samples			
February 26, 1973			
Sample #T-5594			
COMPONENT	LAB VALUE		LAB UNIT
Physical Data			
Visible - Yellow; 20% solids; 2000 mRad			
SpG	1.4245		
Boildown starting volume		50	mL
Boildown % solids		2%	
Radiological Analysis			
GEA Cs-137	1.54E+ 06		uCi/gal
GEA Sb-125	3.68E+ 04		uCi/gal
GEA Cs-134	3.14E+ 04		uCi/gal

Waste Tank 109-BY			
Analysis of Tank Farm Samples			
March 1, 1973			
Sample #T-5655			
COMPONENT	LAB VALUE		LAB UNIT
Physical Data			
Appearance - Yellow; 35% solids; 2 Rad			
SpG	1.3895		
Radiological Analysis			
GEA Cs-137	1.64E+ 06		uCi/gal
GEA Cs-134	2.87E+ 04		uCi/gal

Waste Tank 109-BY			
Analysis of Tank Farm Samples			
March 7, 1973			
Sample #T-5911			
COMPONENT	LAB VALUE		LAB UNIT
Physical Data			
Visible - Yellow; 3% solids; 2 Rad			
SpG	1.335		
Boildown starting volume		50	mL
Boildown %Solids		0%	
Radiological Analysis			
GEA Cs-137	1.27E+ 06		uCi/gal
GEA Cs-134	2.21E+ 04		uCi/gal

Waste Tank 109-BY			
Analysis of Tank Farm Samples			
March 22, 1973			
Sample #T-6123			
COMPONENT	LAB VALUE		LAB UNIT
Physical Data			
Visible - Yellow; 2% solids; 1.5 Rad			
SpG	1.316		
Boildown starting volume		50	mL
Boildown %solids		0%	
Radiological Analysis			
GEA Cs-137	1.06E+ 06		uCi/gal
GEA Cs-134	1.60E+ 04		uCi/gal
GEA RuRh-106	3.97E+ 04		uCi/gal
GEA Eu-154	1.94E+ 03		uCi/gal

Waste Tank 109-BY			
Analysis of Tank Farm Samples			
April 5, 1973			
Sample #T-6394			
COMPONENT	LAB VALUE		LAB UNIT
Physical Data			
Visible - Yellow; 3% solids; 1 Rad			
SpG	1.4432		
Boildown starting volume		50	mL
Boildown %solids		8%	
Radiological Analysis			
GEA Cs-137	1.75E+ 06		uCi/gal
GEA Cs-134	2.79E+ 04		uCi/gal

Waste Tank 109-BY			
April 19, 1973			
Analysis of Tank Farm Samples			
Sample #T-6682			
COMPONENT	LAB VALUE		LAB UNIT
Physical Data			
Visible - Yellow; 20% solids; 1.3 Rad			
Sp.G	1.4028		
Boildown starting volume		50	mL
Boildown %solids		0%	
Radiological Analysis			
GEA Cs-137	1.56E+ 06		uCi/gal
GEA Cs-134	2.20E+ 04		uCi/gal

Waste Tank 109-BY			
Analysis of Tank Farm Samples			
May 7, 1973			
Sample #T-6877			
COMPONENT	LAB VALUE		LAB UNIT
Physical Data			
Visible - Light green; Cruddy; 2.5 Rads			
SpG	1.439		
Radiological Analysis			
GEA Cs-137	1.87E+ 06		uCi/gal
GEA Cs-134	2.58E+ 04		uCi/gal
GEA Sb-125	2.57E+ 03		uCi/gal

Waste Tank 109-BY			
Analysis of Tank Farm Samples			
May 23, 1973			
Sample #T-7119			
COMPONENT	LAB VALUE		LAB UNIT
Physical Data			
Visible - Cruddy; 50% solids; 200 mRad			
SpG	1.3765		
Boildown starting volume		50	mL
Boildown %solids		50%	
Radiological Analysis			
GEA Cs-137	1.68E+ 06		uCi/gal
GEA Cs-134	2.21E+ 04		uCi/gal

Waste Tank 112-BY			
Analysis of Supernatant, Sludge and Crust From Tank 112-BY			
May 29, 1971			
Component	Supernatant	Sludge	Crust
Chemical Analysis			
Na	11.16M	16.9M	20.7M
Fe	< 1.81E-03	0.42	0.06
Al	2.05	1.71	0.58
Si	9.08E-03	0.22	< 0.03
NO2	1.4M	1.54	0.012
NO3	2.1	6.17	4.32
CO3	0.018	0.67	3.05
SO4	0.05	0.12	0.46
PO4	0.023	0.26	0.12
TAD*	7.20	8.11	9.84
Radiological Analysis			
89+ 90 Sr	1.85E+ 03 uCi/l	8.21E+ 04 uCi/l	9.84E+ 04 uCi/l
137 Cs	4.30E+ 05	3.17E+ 05	2.51E+ 05
134 Cs	4.48E+ 03	4.77E+ 03	3.11E+ 03
106 Ru 106 Rh		3.91E+ 04	2.30E+ 03
60 Co		40	4.50E+ 02
125 Sb		3.77E+ 02	1.20E+ 03
144 Ce 144 Pr		3.29E+ 04	5.70E+ 04
95 Zr 95Nb			5.30E+ 02
154 Eu			8.30E+ 02
* Total acid demand			

Waste Tank 112-BY

Analyses of 112-BY Samples

April 4, 1972

Sample Received: April 1971

Component	Top Solids	Liquid	Bottom Solids
Physical Data			
Density g/cc	1.48	1.42	1.44
H2O %	-	-	50.5
Chemical Analysis			
Na %	24.1	19.1	20.6
Al %	2.8	4.1	0.6
Fe %	< 0.3	-	< 0.5
Cr %	0.15	-	4.8
Ni %	0.11	-	0.2
Mn %	0.02	-	< 0.02
Si %	0.7	-	0.6
NO2 %	2.3	4.2	0.4
NO3 %	9.2	7.1	17.8
CO3 %	0.7	0.8	1.6
OH %	6.5	7.6	4.4
TAD(M)	5.6	7.03	4.0
Radiological Analysis			
90 Sr (uCi/g)	34.2	0.27	40.3
137 Cs (uCi/g)	151	483.0	20.6
95 Zr 95 Nb (uCi/g)	25.2	8.6	23.6
125 Sb (uCi/g)	-	-	0.18
106 Ru 106 Rh (uCi/g)	-	-	7.2
144 Ce 144 Pr (Ci/g)	-	-	52.3

Waste Tank 112-BY			
Compostion of 112-BY Samples			
April 4, 1972			
Sample Received: April 1971			
	Weight Percent		
Component	Top Solids	Liquid	Bottom Solids
Physical Data			
H2O	50.*	50.*	50.5
Chemical Analysis			
NaNO2	3.4	6.3	0.6
NaNO3	13.0	9.7	24.0
NaAlO2	8.50	12.0	1.8
NaOH	15.00	18.0	10.0
Na2CO3	1.20	1.4	2.8
Cr2O3	0.20	-	7.0
Na2SiO3	3.0	-	2.6
Total	94.3	97.4	99.3
* Estimated			

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TITLE

"In-Pile Scrubbing" Operating Procedure and Control Data

By-108, 102, 103

AUTHOR(S)

E. J. Sloat

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TABLE I

SUMMARY OF "IN-PLANT SCAVENGING" LABORATORY STUDIES

Test No.	Average Initial Composition: pH	Microcuries/ml: Cs^{137}	Microcuries/ml: Sr^{90}	PO_4^{3-}, M	$SO_4^{=}$, M	Na^+, M	Scavenging Flowsheet: $NiSO_4$, M	$Na_4Fe(CN)_6$, M	$Co(NO_3)_2$, M	$Sr(NO_3)_2$, M	pH Adj.	Final Conc. Microcuries/ml: Cs^{137}	Sr^{90}
101-B	9.3	53.1	0.23	0.27	0.23	8.3	0.005	0.005	0.0	-	No	0.033	0.13
							0.005	0.005	0.01	-	No	0.033	0.017
							0.005	0.005	0.03	-	No	0.049	0.011
102-B	9.1	18.9	0.54	0.28	0.31	7.7	0.005	0.005	0.0	-	No	0.27	0.33
							0.005	0.005	0.01	-	No	0.032	0.040
							0.005	0.005	0.03	-	No	0.010	0.010
103-B	9.6	46.5	0.72	0.31	0.30	7.8	0.005	0.005	0.0	-	No	0.010	0.39
							0.005	0.005	0.01	-	No	0.110	0.010
							0.005	0.005	0.03	-	No	0.021	0.014
112-B	9.3	11.3	0.02	0.25	0.36	1.8	0.005	0.005	-	-	No	0.0079	0.0016
108-BX	9.3	132.4	0.26	0.22	0.18	7.8	0.005	0.005	0.0	-	No	0.025	0.16
							0.005	0.005	0.01	-	No	0.061	0.007
							0.005	0.005	0.03	-	No	0.020	0.001
							0.005	0.005	-	0.004	No	-	0.031
							0.005	0.005	-	0.008	No	-	0.044
109-BX	10.4	56.3	1.08	0.24	-	6.7	0.005	0.005	0.0	-	Yes	0.17	0.76
							0.005	0.005	0.01	-	Yes	0.050	0.11
							0.005	0.005	0.03	-	Yes	0.047	0.06
101-BY	9.5	0.033	0.91	0.14	0.075	3.6	-	-	0.01	-	No	0.018	0.079
							-	-	0.03	-	No	0.027	0.022
102-BY	9.4	0.044	3.12	0.13	0.21	1.4	-	-	0.01	-	No	0.053	0.99
							-	-	0.03	-	No	0.057	0.045
103-BY	9.3	0.057	1.6	0.14	0.24	3.9	-	-	0.01	-	No	0.024	0.055
							-	-	0.03	-	No	0.018	0.055

TCRC-3

Date: 8-16-72

To: C. M. Walker

From: W. H. Sant

Subject: ANALYSIS OF TANK FARM SAMPLES

Sample: T 5404 101-BY

Appearance: Clear, green
< 1090 solids
20 RAD

Spg: 1.423

GEA - Cs^{137}: 1.18×10^6 µCi/gal
Cs^{134}: 8.70×10^3 µCi/gal

BOILDOWN

Starting Volume: 50 ml % Solids: 6 %

Boiling Point: 117 °C

Volume at which solids formed: 42 ml

Ml solids formed: 0.5 ml

Temperature	Volume	Volume of Solids
80 °C	41 ml	1 ml
60 °C	41 ml	1.5 ml
40 °C	40 ml	1.5 ml
25 °C	40 ml	2 ml

SEP CS - Cs^{137} - 1.21×10^6 uci/gal
Cs^{134} - 7.34×10^3 uci/gal

DATA SHEET

SPECIAL [illegible] SAMPLES

[illegible]: 101-BY

[illegible]: 5404 Date Sampled: 7-20-72

[illegible]: 222-S

Related Sample Numbers: _____; _____; _____

Determination	Result	If requested, Serum Result	Analytical Units
VIS - org.	clear [illegible] <10% solid		
DTA			
NVR			
BP	117°C		
Sp. GR.	1.42		
pH	11.2		
OH^-	2.5		
Sr [illegible]	123.		
GEA-Cs137	[illegible]	137 1.18+6 134 8.7+3	
[illegible]	complete		

Reason for sampling: _____

Remarks: Feed Characterization studies

Note: When all analyses have been reported, place this data sheet in the appropriate waste tank file.

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TITLE

"In-Farm scavenging" Operating Procedure and Control Data

BY-101, T021103

AUTHOR

E. J. Sloet

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TABLE I

SUMMARY OF "IN-PLANT SCAVENGING" LABORATORY STUDIES

Test No.	Average Initial Composition: pH	Microcuries/ml: Cs^{137}	Microcuries/ml: Sr^{90}	PO_4^{3-}, M	SO_4^{2-}, M	Na^+, M	Scavenging Flowsheet: $NiSO_4$, M	$NaLFe(CN)_6$, M	$Co(NO_3)_2$, M	$Sr(NO_3)_2$, M	pH Adj.	Final Conc. Microcuries/ml: Cs^{137}	Final Conc. Microcuries/ml: Sr^{90}
101-B	9.3	53.1	0.23	0.27	0.23	8.3	0.005	0.005	0.0	-	No	0.033	0.13
							0.005	0.005	0.01	-	No	0.033	0.017
							0.005	0.005	0.03	-	No	0.048	0.011
102-B	9.1	18.9	0.54	0.28	0.31	7.7	0.005	0.005	0.0	-	No	0.27	0.33
							0.005	0.005	0.01	-	No	0.032	0.040
							0.005	0.005	0.03	-	No	0.010	0.010
103-B	9.6	46.5	0.72	0.31	0.30	7.8	0.005	0.005	0.0	-	No	0.010	0.59
							0.005	0.005	0.01	-	No	0.110	0.010
							0.005	0.005	0.03	-	No	0.021	0.014
112-B	9.3	11.3	0.02	0.25	0.06	1.8	0.005	0.005	-	-	No	0.0079	0.0016
106-BX	9.3	132.4	0.26	0.22	0.18	7.8	0.005	0.005	0.0	-	No	0.025	0.16
							0.005	0.005	0.01	-	No	0.061	0.007
							0.005	0.005	0.03	-	No	0.020	0.001
							0.005	0.005	-	0.004	No	-	0.031
							0.005	0.005	-	0.008	No	-	0.044
109-BX	10.1	36.3	1.08	0.24	-	6.7	0.005	0.005	0.0	-	Yes	0.17	0.76
							0.005	0.005	0.01	-	Yes	0.050	0.11
							0.005	0.005	0.03	-	Yes	0.047	0.06
101-BY	9.5	0.033	0.91	0.14	0.075	3.6	-	-	0.01	-	No	0.018	0.079
							-	-	0.03	-	No	0.027	0.022
102-BY	9.4	0.044	3.12	0.13	0.21	1.4	-	-	0.01	-	No	0.033	0.99
							-	-	0.03	-	No	0.037	0.045
103-BY	9.3	0.037	1.6	0.14	0.24	3.9	-	-	0.01	-	No	0.024	0.055
							-	-	0.03	-	No	0.018	0.055

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TITLE

"In-Farm Scavenging" Operating Procedure and Control Data

BY-101, 102, 103

AUTHOR

E. J. Sloat

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TABLE I

SUMMARY OF "IN-FARM SCAVENGING" LABORATORY STUDIES

Test No.	AVERAGE INITIAL COMPOSITION						SCAVENGING FLOWSHEET					FINAL CONC. Microcuries/ml.	
	Microcuries/ml.												
	pH	Cs^{137}	Sr^{90}	PO_4^{3-}, M	$SO_4^{=}$, M	Na^+, M	$NiSO_4$, M	$Na_4Fe(CN)_6$, M	$Ca(NO_3)_2$, M	$Sr(NO_3)_2$, M	pH Adj.	Cs^{137}	Sr^{90}
101-B	9.3	53.1	0.23	0.27	0.23	8.3	0.005	0.005	0.0	-	No	0.033	0.13
							0.005	0.005	0.01	-	No	0.033	0.017
							0.005	0.005	0.03	-	No	0.049	0.011
102-B	9.1	18.9	0.54	0.28	0.31	7.7	0.005	0.005	0.0	-	No	0.27	0.53
							0.005	0.005	0.01	-	No	0.012	0.040
							0.005	0.005	0.03	-	No	0.010	0.010
103-B	9.6	46.5	0.72	0.31	0.30	7.8	0.005	0.005	0.0	-	No	0.010	0.59
							0.005	0.005	0.01	-	No	0.110	0.010
							0.005	0.005	0.03	-	No	0.021	0.014
112-B	9.3	11.3	0.02	0.25	0.06	1.8	0.005	0.005	-	-	No	0.0079	0.0016
108-BX	9.3	132.4	0.26	0.22	0.18	7.8	0.005	0.005	0.0	-	No	0.025	0.16
							0.005	0.005	0.01	-	No	0.061	0.007
							0.005	0.005	0.03	-	No	0.020	0.001
							0.005	0.005	-	0.004	No	-	0.031
							0.005	0.005	-	0.008	No	-	0.044
109-BX	10.4	56.3	1.08	0.24	-	6.7	0.005	0.005	0.0	-	Yes	0.17	0.76
							0.005	0.005	0.01	-	Yes	0.050	0.11
							0.005	0.005	0.03	-	Yes	0.047	0.06
101-BY	9.5	0.033	0.91	0.14	0.075	3.6	-	-	0.01	-	No	0.018	0.079
							-	-	0.03	-	No	0.027	0.022
102-BY	9.4	0.044	3.12	0.13	0.21	1.4	-	-	0.01	-	No	0.033	0.99
							-	-	0.03	-	No	0.037	0.045
103-BY	9.3	0.037	1.6	0.14	0.24	3.9	-	-	0.01	-	No	0.024	0.055
							-	-	0.03	-	No	0.018	0.055

TCRC-4

Atlantic Richfield Hanford Company

00359

BY 103 .2

Date: October 14, 1971

To: D. J. Larkin

From: J. S. Buckingham JS Buckingham

Subject: COOLING CURVES AND ANALYSIS OF SUPERNATANT LIQUID FROM 103BY AND 106 BY WASTE TANKS

Volume percent solids as a function of temperature were determined on waste samples from tanks 103BY and 106BY; the supernatant liquids at 30, 40, 50 and 60 °C were analyzed. The results are shown in tables 1 and 2 below and graphically in the attached figures.

The "as received" samples were heated to between 80 and 90 °C to dissolve any solids that had formed. Approximately 30 milliliters of each solution were transferred to jacketed graduated centrifuge cones. The temperature of the solution was adjusted by means of a thermostated circulating water bath. The solutions were agitated with a mechanical stirrer as they came to the desired temperatures. After allowing solids to settle, a one milliliter sample of the supernatant was withdrawn and immediately diluted into 10 milliliters of water. The analyses were run on the diluted sample and the results multiplied by 11. Specific gravity was determined from the increase in weight of the dilution when the one milliliter of supernatant was added.

Table 1

ANALYSIS OF 103BY SUPERNATANT LIQUID

	30 °C	40 °C	50 °C	60 °C
Vol. % Solid	22	14.8	8.9	0
SpGr	1.469	1.479	1.494	1.500
Na, M	11.9	11.6	11.7	12.0
Al, M	2.17	1.82	1.82	1.64
NO_2, M	1.23	1.06	1.01	0.54
NO_3, M	2.57	2.33	2.98	3.04
CO_3, M	0.45	0.17	0.14	--
SO_4, M	0.015	0.022	0.017	0.017
TAD, M	7.87	8.07	7.34	6.99
^{137}Cs, µCi/l	3.44×10^5	3.37×10^5	3.23×10^5	4.21×10^5
^{134}Cs, µCi/l	3.83×10^3	3.81×10^3	3.56×10^3	3.47×10^3

check ratio of 137/134

D. J. Larkin
Page 2
October 14, 1971

Table 2

ANALYSIS OF 106BY SUPERNATANT LIQUID

	30 °C	40 °C	50 °C	60 °C
Vol. % Solid	19.6	13.2	5.2	0
SpGr	1.453	1.484	1.484	1.478
Na, M	12.2	11.7	12.4	12.1
Al, M	2.00	2.00	2.22	1.79
NO_2, M	1.00	1.08	1.00	1.00
NO_3, M	2.79	2.86	3.73	4.17
CO_3, M	0.97	0.90	0.55	0.65
SO_4, M	0.016	0.005	0.013	0.013
TAD, M	6.36	6.33	6.13	5.93
^{137}Cs, µCi/l	3.30×10^5	3.30×10^5	3.20×10^5	3.23×10^5
^{134}Cs, µCi/l	3.44×10^3	3.50×10^3	3.26×10^3	3.28×10^3

Please call me if you have any questions regarding this work or if we can be of any further assistance.

JSB:dh

cc: TD Anderson
GL Borsheim
MH Campbell
CJ Francis
HC Rathvon
RC Roal
JO Skolrud
PW Smith
File
LB
Process Aids

Date: April 13, 1972

To: T. D. Anderson

From: J. S. Buckingham JS Buckingham

Subject: ANALYSES OF TK 106-BY SAMPLES

Two dip samples were taken from TK 106-BY to see if any layering were occurring in the tank. Sample No. 7395 was taken near the surface of the tank and sample No. 7394 was taken at a depth of 33 feet 10 inches from ground level.

The analyses, shown in Table I, indicate that there is no significant layering in the tank. The individual analyses are within expected analytical precision and show no significant difference between the two samples.

Table I

Analysis of TK 106-BY

	No. 7395, Surface		No. 7394, 33 ft. 10 in.	
Density	1.415 g/cc		1.414 g/cc	
H_2		53.2%		53.2%
Na	9.85M	16.0%	10.32M	16.8%
Al	2.58M	4.9%	2.37M	4.5%
NO_2	1.11M	3.6%	1.13M	3.7%
NO_3	2.89M	12.7%	2.62M	12.0%
OH	3.95M	4.7%	3.81M	4.6%
TAD	6.76M		6.48M	
^{137}Cs, µCi/l	3.37×10^5		3.37×10^5	
^{134}Cs, µCi/l	3.30×10^3		3.17×10^3	
Total		95.1%		94.8%

The analyses show that we are accounting for around 95 percent of the material in the samples. In addition the anion analyses are within 4 to 7 percent of the cation analyses.

Based on an average of the two analyses, the composition of the 106-BY is as shown in Table II.

T. D. Anderson
Page 2
April 13, 1972

Table II

Composition of 106-BY

	M	%
H_2O	41.8	53.2
$NaNO_2$	1.12	5.5
$NaNO_3$	2.76	16.6
$NaAlO_2$	2.48	14.4
NaOH	3.88	11.0
Total		100.7

Please call me if you have any questions regarding this work.

SJB:dh

cc: GL Borsheim
MH Campbell
CJ Francis
DJ Larkin
File
LB
Process Aids

TCRC-3

Atlantic Richfield Hanford Company

00349

Date: October 14, 1971

To: D. J. Larkin

From: J. S. Buckingham JS Buckingham

Subject: COOLING CURVES AND ANALYSIS OF SUPERNATANT LIQUID FROM 103BY AND 106 BY WASTE TANKS

Volume percent solids as a function of temperature were determined on waste samples from tanks 103BY and 106BY; the supernatant liquids at 30, 40, 50 and 60 °C were analyzed. The results are shown in tables 1 and 2 below and graphically in the attached figures.

The "as received" samples were heated to between 80 and 90 °C to dissolve any solids that had formed. Approximately 30 milliliters of each solution were transferred to jacketed graduated centrifuge cones. The temperature of the solution was adjusted by means of a thermostated circulating water bath. The solutions were agitated with a mechanical stirrer as they came to the desired temperatures. After allowing solids to settle, a one milliliter sample of the supernatant was withdrawn and immediately diluted into 10 milliliters of water. The analyses were run on the diluted sample and the results multiplied by 11. Specific gravity was determined from the increase in weight of the dilution when the one milliliter of supernatant was added.

Table 1

ANALYSIS OF 103BY SUPERNATANT LIQUID

	30 °C	40 °C	50 °C	60 °C
Vol. % Solid	22	14.8	8.9	0
SpGr	1.469	1.479	1.494	1.500
Na, M	11.9	11.6	11.7	12.0
Al, M	2.17	1.82	1.82	1.64
NO_2, M	1.23	1.06	1.01	0.54
NO_3, M	2.57	2.33	2.98	3.04
CO_3, M	0.45	0.17	0.14	--
SO_4, M	0.015	0.022	0.017	0.017
TAD, M	7.87	8.07	7.34	6.99
^{137}Cs, μCi/l	3.44×10^5	3.37×10^5	3.23×10^5	4.21×10^5
^{134}Cs, μCi/l	3.83×10^3	3.81×10^3	3.56×10^3	3.47×10^3

check ratio 137/134 of

D. J. Larkin
Page 2
October 14, 1971

Table 2

ANALYSIS OF 106BY SUPERNATANT LIQUID

	30 °C	40 °C	50 °C	60 °C
Vol. % Solid	19.6	13.2	5.2	0
SpGr	1.453	1.484	1.484	1.478
Na, M	12.2	11.7	12.4	12.1
Al, M	2.00	2.00	2.22	1.79
NO_2, M	1.00	1.08	1.00	1.00
NO_3, M	2.79	2.86	3.73	4.17
CO_3, M	0.97	0.90	0.55	0.65
SO_4, M	0.016	0.005	0.013	0.013
TAD, M	6.36	6.33	6.13	5.93
^{137}Cs, µCi/l	3.30×10^5	3.30×10^5	3.20×10^5	3.23×10^5
^{134}Cs, µCi/l	3.44×10^3	3.50×10^3	3.26×10^3	3.28×10^3

Please call me if you have any questions regarding this work or if we can be of any further assistance.

JSB:dh

cc: TD Anderson
GL Borsheim
MH Campbell
CJ Francis
HC Rathvon
RC Roal
JO Skolrud
PW Smith
File
LB
Process Aids

BY109.1

Date: 8-3-72

To: C. M. Walker

From: W. H. Sant

Subject: ANALYSIS OF TANK FARM SAMPLES

Sample: T-6968 109BY

Appearance: Thick yellow
10% solids

Spg: - 1.4425

GEA - Cs^{137}: 1.52×10^6 µCi/gal
Cs^{134}: 2.26×10^4 µCi/gal

BOILDOWN

Starting Volume: 30 ml % Solids: 4 %

Boiling Point: 115°C

Volume at which solids formed: 25 ml

Ml solids formed: 1 ml

Temperature	Volume	Volume of Solids
80 °C	25 ml	5 ml
60 °C	25 ml	5 ml
40 °C	25 ml	5 ml
25 °C	25 ml	8 ml

54-6000-030 (10-68)

BY109.2

Date: 8-3-72

To: C. M. Walker

From: W. H. Sant

Subject: ANALYSIS OF TANK FARM SAMPLES

Sample: T-5953 109 BY

Appearance: Clear
yellow
no organic
25% solids

Spg: - 1.381

GEA - Cs^{137}: 1.66×10^{6} µCi/gal
Cs^{134}: 2.41×10^{4} µCi/gal

BOILDOWN

Starting Volume: 50 ml % Solids: 25 %

Boiling Point: 115°C

Volume at which solids formed: 38 ml

Ml solids formed: 1 ml

Temperature	Volume	Volume of Solids
80 °C	38 ml	4 ml
60 °C	37 ml	4 ml
40 °C	37 ml	4 ml
25 °C	36 ml	21 ml

54-6000-030 (10-68)

Date: 8-10-72

To: C. M. Walker

From: W. H. Sant

Subject: ANALYSIS OF TANK FARM SAMPLES

Sample: T-7993 109 BY

Appearance: clear
yellow
15% white solids

Spg: 1.463

GEA - Cs^{137}: 1.69×10^6 µCi/gal
Cs^{134}: 2.29×10^4 µCi/gal

BOILDOWN

Starting Volume: 50 ml % Solids: 15 %

Boiling Point: 114 °C

Volume at which solids formed: 43 ml

Ml solids formed: 1 ml

Temperature	Volume	Volume of Solids
80 °C	41 ml	2 ml
60 °C	41 ml	3 ml
40 °C	41 ml	7 ml
25 °C	40 ml	25 ml

54-6000-030 (10-68)

Date: 8-17-72

To: C. M. Walker

From: W. H. Sant

Subject: ANALYSIS OF TANK FARM SAMPLES

Sample: T 8966 109 BY

Appearance: clear, yellow with 15% solids 300 mR.AD

Spg: 1.455

GEA - Cs^{137}: 4.39×10^5 µCi/gal
Cs^{134}: 2.46×10^4 µCi/gal

BOILDOWN

Starting Volume: 50 ml % Solids: 10 %

Boiling Point: 114°C

Volume at which solids formed: 42 ml

Ml solids formed: 5 ml

Temperature	Volume	Volume of Solids
80 °C	42 ml	5 ml
60 °C	41 ml	5 ml
40 °C	40 ml	15 ml
25 °C	40 ml	35 ml

54-6000-030 (10-68)
ARC RS RICHLAND WASH

Date: 8-25-72

To: C. M. Walker

From: W. H. Sant

Subject: ANALYSIS OF TANK FARM SAMPLES

Sample: T 206 109 BY

Appearance: Clear, yellow with ~5% white solids
400 mRAD

Spg: 1.4415

GEA - Cs^{137}: 1.62×10^6 µCi/gal
Cs^{134}: 2.41×10^4 µCi/gal

BOILDOWN

Starting Volume: 50 ml % Solids: 0 %

Boiling Point: 112°C

Volume at which solids formed: 41 ml

Ml solids formed: 1 ml

Temperature	Volume	Volume of Solids
80 °C	40 ml	2 ml
60 °C	40 ml	3 ml
40 °C	39 ml	15 ml
25 °C	39 ml	30 ml

54-6000-030 (10-68)
ARC OF RICHLAND WASH

Date: 9-12-72

To: C. M. Walker

From: W. H. Sant

Subject: ANALYSIS OF TANK FARM SAMPLES

Sample: T 1832 109BY

Appearance: Clear, yellow
~10% white solids
1 MRAD

Spg: 1.420

GEA - Cs^{137}: 1.50×10^{6} µCi/gal
Cs^{134}: 2.69×10^{4} µCi/gal

BOILDOWN

Starting Volume: 50 ml % Solids: 1 %

Boiling Point: 113°C

Volume at which solids formed: 39 ml

Ml solids formed: <1 ml

Temperature	Volume	Volume of Solids
80 °C	37 ml	<.1 ml
60 °C	36 ml	5 ml
40 °C	35 ml	30 ml
25 °C	34 ml	32 ml

BY109.7

Date: 9-26-72

To: C. M. Walker

From: W. H. Sant

Subject: ANALYSIS OF TANK FARM SAMPLES

Sample: T2490 109 BY

Appearance: yellow
40% solids
400 MRAD

Spg: 1.282

GEA - Cs^{137}: 1.78×10^{6} µCi/gal
Cs^{134}: 3.66×10^{4} µCi/gal
$ZrNb^{95}$: -3.61×10^{3} uc/gal

BOILDOWN

Starting Volume: 50ml % Solids: 1 %

Boiling Point: 114°C

Volume at which solids formed: 38 ml

Ml solids formed: < 1 ml

Temperature	Volume	Volume of Solids
80 °C	36.5 ml	1.5 ml
60 °C	36.0 ml	2.0 ml
40 °C	35.0 ml	5.0 ml
25 °C	34.5 ml	33.0 ml

BY 109.8

Date: 10-6-72

To: C. M. Walker

From: W. H. Sant

Subject: ANALYSIS OF TANK FARM SAMPLES

Sample: T2533 109BY

Appearance: yellow
3% solids
1 CAD

Spg: 1.366

GEA - Cs^{137}: 1.36×10^6 µCi/gal
Cs^{134}: 3.12×10^4 µCi/gal

BOILDOWN

Starting Volume: 50 ml % Solids: 4 %

Boiling Point: 111 °C

Volume at which solids formed: 37.5 ml

Ml solids formed: 1.5 ml

Temperature	Volume	Volume of Solids
80 °C	36.5 ml	2 ml
60 °C	35.0 ml	3 ml
40 °C	35.0 ml	5 ml
25 °C	35.0 ml	17 ml

34-6000-030 (10-68)

Date: 11-16-72

To: C. M. Walker

From: W. H. Sant

Subject: ANALYSIS OF TANK FARM SAMPLES

Sample: T 3743 109 BY

Appearance: PEA GREEN,
35% SOLIDS
200 MRAD

Spg: 1.402

GEA - Cs^{137}: 1.71×10^{6} µCi/gal
Cs^{134}: 3.62×10^{4} µCi/gal

BOILDOWN

Starting Volume: ml % Solids: %

Boiling Point: °C

Volume at which solids formed: ml

Ml solids formed: ml

Temperature	Volume	Volume of Solids
80 °C	ml	ml
60 °C	ml	ml
40 °C	ml	ml
25 °C	ml	ml

BOILING POINT - 109 °C

54-6000-030 (10-68)
ARCO RICHLAND WASH

BY109.10

Date: 11-28-72

To: C. M. Walker

From: W. H. Sant

Subject: ANALYSIS OF TANK FARM SAMPLES

Sample: T 4005 109BY

Appearance: Light Green
<1% solids
1.8 RADS

Spg: 1.3617

GEA - Cs^{137}: 1.36×10^6 µCi/gal
Cs^{134}: 3.36×10^4 µCi/gal

BOILDOWN

Starting Volume: 50 ml % Solids: <1 %

Boiling Point: 100°C

Volume at which solids formed: 42 ml

Ml solids formed: 1 ml

Temperature	Volume	Volume of Solids
80 °C	42 ml	2 ml
60 °C	41 ml	2 ml
40 °C	40 ml	2 ml
25 °C	39 ml	2 ml

Atlantic Richfield Hanford Company

BY109.4

Date: 12-18-72

To: C. M. Walker

From: W. H. Sant

Subject: ANALYSIS OF TANK FARM SAMPLES

Sample: T-431L 109-BY

Appearance: Green with solids 20%

3.0 RADS

Spg: 1.422

GEA - Cs^{137}: 1.58×10^{6} µCi/gal
Cs^{134}: 3.44×10^{4} µCi/gal
Sb^{125}: 5.53×10^{3} µc/gal

BOILDOWN

Starting Volume: 50 ml % Solids: 20 %

Boiling Point: 109°C

Volume at which solids formed: 45 ml

Ml solids formed: 1 ml

Temperature	Volume	Volume of Solids
80 °C	45 ml	1 ml
60 °C	44 ml	2 ml
40 °C	43 ml	3 ml
25 °C	43 ml	8 ml

BY109.12

Date: 1-8-73

To: C. M. Walker

From: W. H. Sant

Subject: ANALYSIS OF TANK FARM SAMPLES

Sample: T-4573 109 BY

Appearance: yellow, 5% solids

1.2 RADS

Spg: 1.225

GEA - Cs^{137}: 7.34×10^5 µCi/gal
Cs^{134}: 1.55×10^4 µCi/gal

BOILDOWN

Starting Volume: 50 ml % Solids: 16 %

Boiling Point: 104°C

Volume at which solids formed: 25 ml

Ml solids formed: 4 ml

Temperature	Volume	Volume of Solids
80 °C	50 ml	0 ml
60 °C	50 ml	0 ml
40 °C	50 ml	0 ml
25 °C	25 ml	4 ml

BYW2.12

Date: 1-16-73

To: C. M. Walker

From: W. H. Sant

Subject: ANALYSIS OF TANK FARM SAMPLES

Sample: T-4911 109BY

Appearance: Yellow, ~5% SOLIDS
1.5 RAD

Spg: 1.404

GEA - Cs^{137}: 1.93×10^{6} µCi/gal
Cs^{134}: 3.62×10^{4} µCi/gal

BOILDOWN

Starting Volume: 50 ml % Solids: ~5 %

Boiling Point: 110°C

Volume at which solids formed: 40 ml

Ml solids formed: 2 ml

Temperature	Volume	Volume of Solids
80 °C	40 ml	2 ml
60 °C	40 ml	2.5 ml
40 °C	40 ml	2.5 ml
25 °C	40 ml	2.5 ml

BY109.14

Date: 1-31-73

To: C. M. Walker

From: W. H. Sant

Subject: ANALYSIS OF TANK FARM SAMPLES

Sample: T-5124 109-BY

Appearance: yellow
20% solids
1500 mR

Spg: 1.396

GEA - Cs^{137}: 1.94×10^6 µCi/gal
Cs^{134}: 3.47×10^4 µCi/gal

BOILDOWN

Starting Volume: 50 ml % Solids: 2 %

Boiling Point: 115°C

Volume at which solids formed: 40 ml

Ml solids formed: <1 ml

Temperature	Volume	Volume of Solids
80 °C	38 ml	6 ml
60 °C	38 ml	6 ml
40 °C	38 ml	30 ml
25 °C	38 ml	34 ml

BY109.15

Date: 2-7-73

To: C. M. Walker

From: W. H. Sant

Subject: ANALYSIS OF TANK FARM SAMPLES

Sample: T5391 109-BY

Appearance: yellow
10% SOLIDS
LEAD

Spg: 1.324

GEA - Cs^{137}: 1.20×10^6 µCi/gal
Cs^{134}: 2.51×10^4 µCi/gal

BOILDOWN

Starting Volume: 50 ml % Solids: 10 %

Boiling Point: 108°C

Volume at which solids formed: 47 ml

Ml solids formed: 0 ml

Temperature	Volume	Volume of Solids
80 °C	36 ml	<1 ml
60 °C	35 ml	<1 ml
40 °C	33 ml	<1 ml
25 °C	33 ml	3 ml

54-6000-030 (10-68)
AEC OF RICHLAND WASH

BY109.16

Date: 2-26-73

To: C. M. Walker

From: W. H. Sant

Subject: ANALYSIS OF TANK FARM SAMPLES

Sample: T-5594 109 BY

Appearance: yellow
20% solids
2000 mrAD

Spg: 1.4245

GEA - Cs^{137}: 1.54×10^{6} µCi/gal
Cs^{134}: 3.14×10^{4} µCi/gal
Sb^{125}: 3.68×10^{4} µci/gal

BOILDOWN

Starting Volume: 50 ml % Solids: 2 %

Boiling Point: 115°C

Volume at which solids formed: 50 ml

Ml solids formed: 1 ml

Temperature	Volume	Volume of Solids
80 °C	44 ml	1 ml
60 °C	44 ml	1 ml
40 °C	44 ml	1 ml
25 °C	44 ml	1 ml

54-6000-030 (10-68)
ARC OF RICHLAND WASH.

BY 109.17

Date: 3-1-73

To: C. M. Walker

From: W. H. Sant

Subject: ANALYSIS OF TANK FARM SAMPLES

Sample: T5655 109BY

Appearance: yellow
35% SOLIDS
2 RAD

Spg: 1.3895

GEA - Cs^{137}: 1.64×10^{6} µCi/gal
Cs^{134}: 2.87×10^{4} µCi/gal

BOILDOWN

Starting Volume: ml % Solids: %

Boiling Point: °C

Volume at which solids formed: ml

Ml solids formed: ml

Temperature	Volume	Volume of Solids
80 °C	ml	ml
60 °C	ml	ml
40 °C	ml	ml
25 °C	ml	ml

INSUF. SAMPLE TO RUN BOILDOWN

54-6000-030 (10-68)
AEC RL RICHLAND WASH

Date: 3-7-73 BY 109.18

To: C. M. Walker

From: W. H. Sant

Subject: ANALYSIS OF TANK FARM SAMPLES

Sample: T 5911 109BY

Appearance: yellow
3% solids
2 RAD

Spg: 1.335

GEA - Cs^{137}: 1.27×10^6 μCi/gal
Cs^{134}: 2.21×10^4 μCi/gal

BOILDOWN

Starting Volume: 50 ml % Solids: 0 %

Boiling Point: 112°C

Volume at which solids formed: 43 ml

Ml solids formed: 1 ml

Temperature	Volume	Volume of Solids
80 °C	42 ml	3 ml
60 °C	42 ml	3 ml
40 °C	40.5 ml	3 ml
25 °C	40 ml	2.5 ml

BY109.19

Date: 3-22-73

To: C. M. Walker

From: W. H. Sant

Subject: ANALYSIS OF TANK FARM SAMPLES

Sample: T 6123 109 BY

Appearance: yellow
2% SOLIDS
1.5 RAD

Spg: 1.316

GEA - Cs^{137}: 1.06×10^6 µCi/gal
Cs^{134}: 1.60×10^4 µCi/gal

$RuRh^{106}$ - 3.97×10^4 µCi/gal
Eu^{154} - 1.94×10^3 µCi/gal

BOILDOWN

Starting Volume: 50 ml % Solids: 0 %

Boiling Point: 106 °C

Volume at which solids formed: 30 ml

Ml solids formed: 3 ml

Temperature	Volume	Volume of Solids
80 °C	29 ml	5 ml
60 °C	29 ml	5 ml
40 °C	28 ml	6 ml
25 °C	28 ml	6 ml

54-6000-030 (10-68)

BY109.20

Date: 4-5-73

To: C. M. Walker

From: W. H. Sant

Subject: ANALYSIS OF TANK FARM SAMPLES

Sample: T 6394 109 BY

Appearance: yellow
3% SOLIDS
1 RAD

Spg: 1.4432

GEA - Cs^{137}: 1.75×10^{6} µCi/gal
Cs^{134}: 2.79×10^{4} µCi/gal

BOILDOWN

Starting Volume: 50 ml % Solids: 8 %

Boiling Point: 109 °C

Volume at which solids formed: 43 ml

Ml solids formed: 2 ml

Temperature	Volume	Volume of Solids
80 °C	41 ml	4 ml
60 °C	40 ml	5 ml
40 °C	40 ml	5.5 ml
25 °C	40 ml	25 ml

54-6000-030 (10-68)
ARC OF RICHLAND WASH

BY109.21

Date: 4-19-73

To: C. M. Walker

From: W. H. Sant

Subject: ANALYSIS OF TANK FARM SAMPLES

Sample: T 6682 109 BY

Appearance: Yellow
20% solids
1.3 RAD

Spg: 1.4028

GEA - Cs^{137}: 1.56×10^{6} µCi/gal
Cs^{134}: 2.20×10^{4} µCi/gal

BOILDOWN

Starting Volume: 50 ml % Solids: • %

Boiling Point: 110°C

Volume at which solids formed: 40 ml

Ml solids formed: 5 ml

Temperature	Volume	Volume of Solids
80 °C	40 ml	5 ml
60 °C	40 ml	5 ml
40 °C	40 ml	5 ml
25 °C	35 ml	10 ml

54-6000-030 (10-68)
ARC OF RICHLAND WASH

Date: 5-7-73 BY 109.22

To: C. M. Walker

From: W. H. Sant

Subject: ANALYSIS OF TANK FARM SAMPLES

Sample: T 6877 109 BY

Appearance: Light Green, Cruddy

2.5 RAD

Spg: 1.439

GEA - Cs^{137}: 1.87×10^6 µCi/gal
Cs^{134}: 2.58×10^4 µCi/gal
Sb^{125}: 2.57×10^3 µCi/gal

BOILDOWN

Starting Volume: ml % Solids: %

Boiling Point: °C

Volume at which solids formed: ml

Ml solids formed: ml

Temperature	Volume	Volume of Solids
80 °C	ml	ml
60 °C	ml	ml
40 °C	ml	ml
25 °C	ml	ml

Sample Boiled over
unable To Get Boilbown.

54-6000-030 (10-68)
ARC OF RICHLAND WASH

BY109.23

Date: 5-23-73

To: C. M. Walker

From: W. H. Sant

Subject: ANALYSIS OF TANK FARM SAMPLES

Sample: T-7119 10713Y

Appearance: Cruddy 50% solids 200 mrads

Spg: 1.3765

GEA - Cs^{137}: 1.68×10^{6} µCi/gal
Cs^{134}: 2.21×10^{4} µCi/gal

BOILDOWN

Starting Volume: 50 ml % Solids: 50 %

Boiling Point: 115°C

Volume at which solids formed: 50 ml

Ml solids formed: 5 ml

Temperature	Volume	Volume of Solids
80 °C	50 ml	5 ml
60 °C	50 ml	5 ml
40 °C	50 ml	7.5 ml
25 °C	50 ml	10 ml

54-6000-030 (10-68)

Date: May 29, 1971

To: D. J. Larkin
G. C. Oberg
W. C. Schmidt

From: J. S. Buckingham J S Buckingham

Subject: DISSOLUTION AND ANALYSIS OF 112-BY SLUDGE AND CRUST SAMPLES

Samples of sludge, crust, and the associated mother liquor from tank 112-BY have been tested for solubility and analyzed in the laboratory.

About 70 percent of the sludge was dissolved by 1.67 ml hot water per cc of sludge. About 9 percent of the sludge was dissolved by hot ITS feed from tank 109-BY at a volume ratio of 0.6 ml feed per cc of sludge. Hot dilute feed from tank 103-BX dissolved about 12 percent of the sludge at a volume ratio of 1 ml feed per cc of sludge.

The crust appeared to be much less soluble than the sludge. At a volume ratio of 2 ml of water per cc of crust, 31 percent of the solid dissolved. None of the crust dissolved in dilute feed from tank 103-BX. The laboratory data indicate that the dissolution of the sludge and crust in tank 112-BY will be slow and difficult at best. Water appears to be the best solvent for dissolving the sludge.

Details of the dissolution studies are discussed below. Chemical analysis of the sludge, crust and mother or supernatant liquid are also shown.

DISSOLUTION STUDIES

Sludge

The dissolution of the sludge from 112-BY with water was determined by transferring a slurry of sludge and supernatant liquid to a 15 ml graduated centrifuge cone. After allowing the sludge to settle for six hours, the supernatant liquid was decanted leaving

Distribution
Page 2
May 29, 1971

4.8 cc of settled sludge. Two mililiters of water were pipetted on the surface of the sludge and allowed to stand overnight at room temperature and no agitation. In the morning the sludge volume was 3.8 cc indicating that 21 percent of the sludge had dissolved. It should be pointed out that part of the reduction in sludge volume could have been due to further settling and compaction of the sludge.

A second 2 ml increment of water was added to the sludge. In 4 hours the sludge volume had decreased to 3.6 cc. The temperature of the sludge and water was raised to about 90 °C. Thirty minutes after raising the temperature the volume of sludge had reduced to 3 cc; in 2.5 hours the volume of sludge was 2.7 cc. More water was added in 2 ml increments until a total of 8 ml had been added. The volume of sludge had decreased to 1.55 cc. The water dissolution data is shown in detail in Table I attached.

As any water that is added must eventually evaporate again, the solubility of the sludge in 109-BY recycle feed and 103-BX dilute feed was tested. The results are shown in Table II attached.

Crust

The crust from the 112-BY tank was soft and mushy and seemed to have quite a lot of liquid associated with it. The apparent density of the crust was 1.69. The solubilities of the crust of water and in 103-BX feed are shown in Table III attached. Because the crust was quite dry compared to the sludge, we could not measure the volume by allowing a slurry of crust and supernatant to settle as was done with the sludge. For the crust the volume was determined by tapping the material in a graduated 15 ml centrifuge cone or by measuring the volume of CCl_4 a piece of the crust would displace.

In Table III, a portion of the reduction in sludge volume with water might be attributable to the crust settling and compacting after the water was added. When 103-BX feed was added to the crust, the volume of the crust

TABLE I

DISSOLUTION OF 112-BY SLUDGE WITH WATER

Date	Hours	Incremental Time, hrs.	Sludge Volume, cc	Total H_2O Added, ml	Temp.	Incremental % Dissolved	Total % Dissolved
4-28-71	1500	0	4.8	2	25	0	0
4-29-71	0800	17	3.8	2	25	21	21
	0800	0	3.8	4	25	0	21
	1200	4	3.6	4	25	5	25
	1230	0.5	3.0	4	90	17	38
	1330	1	2.7	4	90	10	44
	1430	1	2.7	4	90	0	44
	1500	0.5	2.7	4	25	0	44
	1500	0	2.7	6	25	0	44
4-30-71	0800	17	2.5	6	25	7	48
	0800	0	2.5	6	90	0	48
	1500	7	2.15	6	90	14	55
	1500	0	2.15	8	25	0	55
5-03-71	0800	65	1.8	8	25	16	63
	0800	0	1.8	8	90	0	63
5-04-71	0800	24	1.55	8	90	14	68

TABLE II

DISSOLUTION OF 112-BY SLUDGE WITH 109-BY OR 103-BY FEEDS

Feed Source	Feed Volume, ml	Volume Sludge cc	Incremental Time, hrs.	Temp.	Percent Dissolved
109-BY	0	3.3	0	76	0
	1	3.0	24	76	9
	2	3.0	24	76	9
103-BX	0	3.2	0	76	0
	3	2.8	24	76	12

TABLE III

SOLUBILITY OF 112-BY CRUST IN WATER OR 103-BX FEED

Solvent	Total Volume, ml	Volume Crust, cc	Incremental Time, hrs.	Temp.	Percent Dissolved
H_2O	0	1.9	0	76	0
	0.5	1.7	3.5	76	11
	1	1.65	2.25	76	13
	2	1.65	2.25	76	13
	4	1.4	17	76	26
	4	1.3	24	76	32
103-BX	0	2.6	0	76	0
	3	3.1	24	76	0

Distribution
Page 5
May 29, 1971

increased; however, most of the increase was caused by the crust expanding and kind of semi-floating in the liquid. A small amount may have dissolved, but if it did it was quite small.

Analysis of Sludge, Supernatant Liquid and Crust

The supernatant liquid associated with the sludge and crust was analyzed directly. For the sludge, a slurry of sludge and supernatant was transferred to a 15 ml centrifuge cone and centrifuged to compact the sludge. After determining the volume of the compacted sludge, the supernatant liquid was decanted. Greater than 99 percent of the sludge was dissolved by sequential portions of water, 6M HNO_3 and 6M HCl. Each fraction was analyzed separately and the individual analyses totaled to find the amount in the sample. All results are based on a liter of compacted sludge.

For the crust, the volume of crust was determined by CCl_4 displacement. Dissolution of the crust was achieved by sequentially refluxing with water, dilute and concentrated HNO_3. The analyses are shown in Table IV attached. Total acid demand, (TAD) includes all ions titrable by acid to the major pH break between pH 7 and 4. Ions that would be titrated by acid include OH^-, AlO_2^-, and CO_3^{-2}.

Please call me if you have any questions regarding this work.

JSB:abs

cc: MH Campbell
DA Dodd
CJ Francis
CA Lorengen
LW Roddy
ML Madeen
WW Schulz
JO Skolrud
PW Smith
File
LB

Distribution
Page 6
May 29, 1971

BY112.1

TABLE IV

ANALYSIS OF SUPERNATANT, SLUDGE AND CRUST FROM TANK 112-BY

Ion	Supernatant	Sludge	Crust
Na	11.16M	16.9M	20.7M
Fe	$< 1.81 \times 10^{-3}$	0.42	0.06
Al	2.05	1.71	0.58
Si	9.08×10^{-3}	0.22	< 0.03
NO_2	1.4M	1.54M	0.012
NO_3	2.1	6.17	4.32
CO_3	0.018	0.67	3.05
SO_4	0.05	0.12	0.46
PO_4	0.023	0.26	0.12
TAD*	7.20	8.11	9.84
$^{89+90}Sr$	1.85×10^3 µCi/l	8.21×10^4 µCi/l	9.84×10^4 µCi/l
^{137}Cs	4.30×10^5	3.17×10^5	2.51×10^5
^{134}Cs	4.48×10^3	4.77×10^3	3.11×10^3
$^{106}Ru^{106}Rh$		3.91×10^4	2.30×10^3
^{60}Co		40	4.50×10^2
^{125}Sb		3.77×10^3	1.2×10^3
$^{144}Ce^{144}Pr$		3.29×10^4	5.7×10^4
$^{95}Zr^{95}Nb$			5.30×10^2
^{154}Eu			8.3×10^2

* Total acid demand

Cs-137/Cs-134
sup. = 96
sludge = 66.5
crust - 80.7

00135

Date: April 4, 1972

To: T. D. Anderson

From: J. S. Buckingham JS Buckingham

Subject: ANALYSIS OF TANK 112-BY SAMPLE

References: (1) Letter, January 31, 1972, T. D. Anderson to J. S. Buckingham, "Tank 112-BY Samples and Analyses"

(2) Letter, May 29, 1971, J. S. Buckingham to D. J. Larkin et al., "Dissolution and Analysis of 112-BY Sludge and Crust Samples"

Samples of top solid, liquid, and bottom solid taken from Tank 112-BY near the end of January have been analyzed as requested in Reference 1. A similar set of analyses were run on samples taken in April 1971. The results were reported in Reference 2.

The analyses indicated that both the light and heavy solids were primarily $NaNO_3$. Analyses showed there was not much difference between the two solids, so it is assumed that the light solid is an emulsion of very fine $NaNO_3$ crystals.

Differential thermal analysis (DTA) of the liquid showed an exothermic reaction occurring between 210 and 275 °C. However, no unusual pressure or temperature excursions were observed when 100 milliliters of solution were evaporated to dryness.

Analyses of the samples are shown in Table I.

Approximately 90 percent of the solid material was soluble in water, 4 percent soluble in nitric acid, and 6 percent required a caustic fusion.

Based on the analyses, the composition of the 112-BY samples are assumed to be as shown in Table II.

00186

BY112.2

T. D. Anderson
Page 2
April 4, 1972

TABLE I

ANALYSES OF 112-BY SAMPLES

	Top Solids	Liquid	Bottom Solids
Density, g/cc	1.48	1.42	1.44
H_2O, %	-	-	50.5
Na, %	24.1	19.1	20.6
Al, %	2.8	4.1	0.6
Fe, %	<0.3	-	<0.5
Cr, %	0.15	-	4.8
Ni, %	0.11	-	0.2
Mn, %	0.02	-	<0.02
Si, %	0.7	-	0.6
NO_2, %	2.3	4.2	0.4
NO_3, %	9.2	7.1	17.8
CO_3, %	0.7	0.8	1.6
OH, %	6.5	7.6	4.4
TAD, M	5.6	7.03	4.0
^{90}Sr, µCi/g	34.2	0.27	40.3
^{137}Cs, µCi/g	151.	483.	20.6
$^{95}Zr^{95}Nb$, µCi/g	25.2	8.6	23.6
^{125}Sb, µCi/g	-	-	0.18
$^{106}Ru^{106}Rh$, µCi/g	-	-	7.2
$^{144}Ce^{144}Pr$, Ci/g	-	-	52.3

BY112.3

TABLE II

COMPOSITION OF 112-BY SAMPLES

	Weight Percent		
	Top Solids	Liquid	Bottom Solids
H_2O	50.*	50.*	50.5
$NaNO_2$	3.4	6.3	0.6
$NaNO_3$	13.	9.7	24.
$NaAlO_2$	8.5	12.	1.8
NaOH	15.	18.	10.
Na_2CO_3	1.2	1.4	2.8
Cr_2O_3	0.2	-	7.0
Na_2SiO_3	3.0	-	2.6
Total	94.3	97.4	99.3

* Estimated.

T. D. Anderson
Page 3
April 4, 1972

It should be pointed out that there are other minor constituents in the waste, but their contribution to the weight percent is very small. It is also interesting to note the unusually high percentage of chromium in the bottom solids. The source of the chromium has not been identified.

Based on work done with synthetic wastes, the assumed value of 50 percent water in the top solid and liquid is probably fairly close. The overall material balances also indicate that our assumptions are reasonable.

Differential thermal analysis of the liquid showed an exothermic reaction occurring between 210 and 275 °C. A second, smaller exothermic reaction occurred around 360 °C.

No unusual temperature or pressure excursions were observed when 100 milliliters of liquid were evaporated to near dryness. Temperature of the concentrate rose to about 130 °C. Temperature of the heat transfer surface rose to 310 °C. Severe foaming was observed during the boildown.

No exothermic reaction was observed on samples of the concentrated material. Differential thermal analysis of the condensate showed an exothermic reaction occurring between 150 and 200 °C. The disappearance of an exothermic reaction in the concentrate and the appearance of an exothermic reaction in the condensate indicates that whatever was causing the exothermic reaction was distilling over. The component causing the exothermic reaction has not been identified.

Please call me if you have any questions regarding this work.

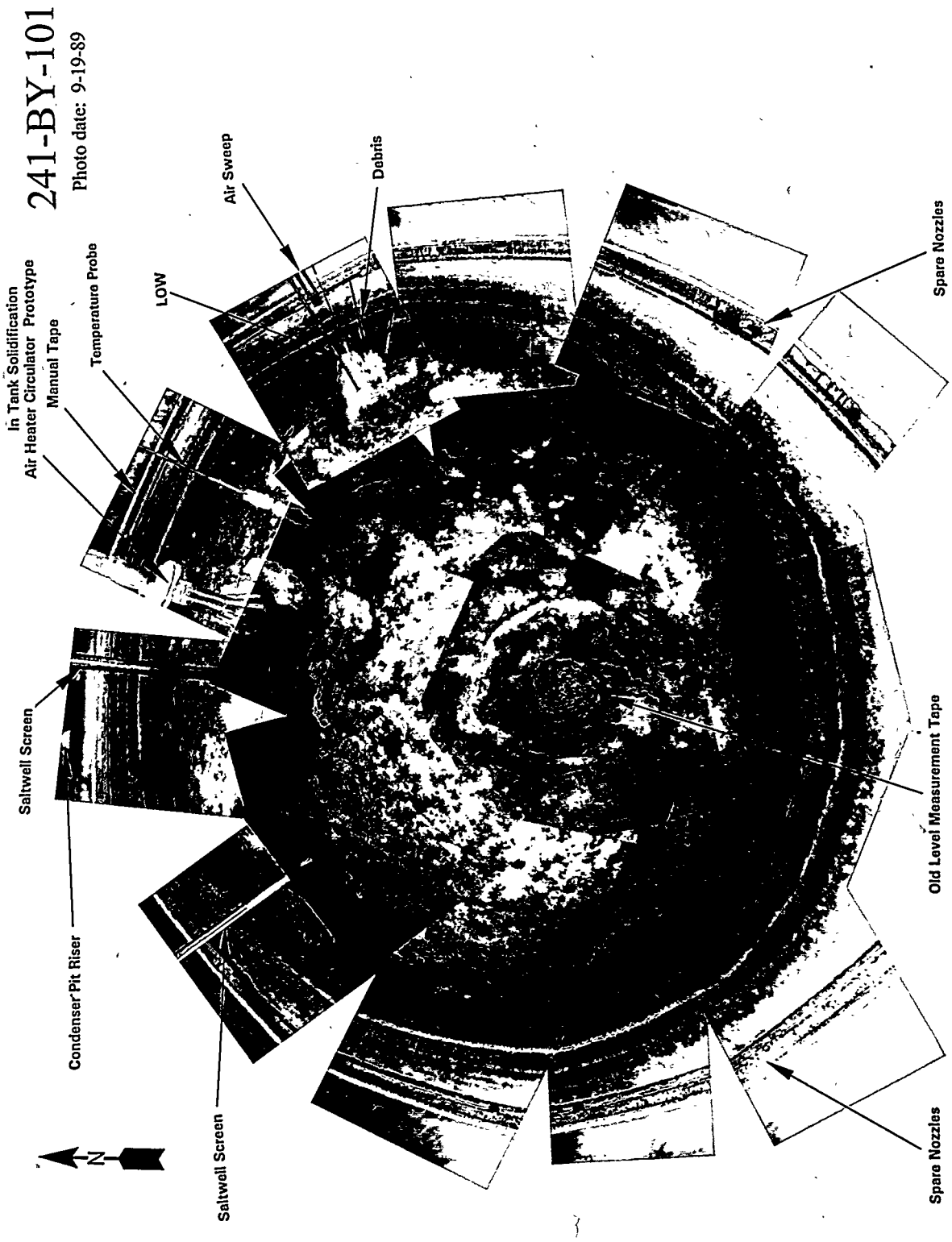
JSB:e

cc: GL Borsheim
MH Campbell
DA Dodd
CJ Francis
DJ Larkin
WP Metz
DA Puryear
RC Roal
LW Roddy
WW Schulz
JO Skolrud
Process Aids (5)

24-6000-031 (10-88)

BY Tank Farm

241-BY-103
241-BY-102
241-BY-101
241-BY-106
241-BY-105
241-BY-104
241-BY-109
241-BY-108
241-BY-107
SUB
STATION
PAD
241-BY-112
241-BY-111
241-BY-110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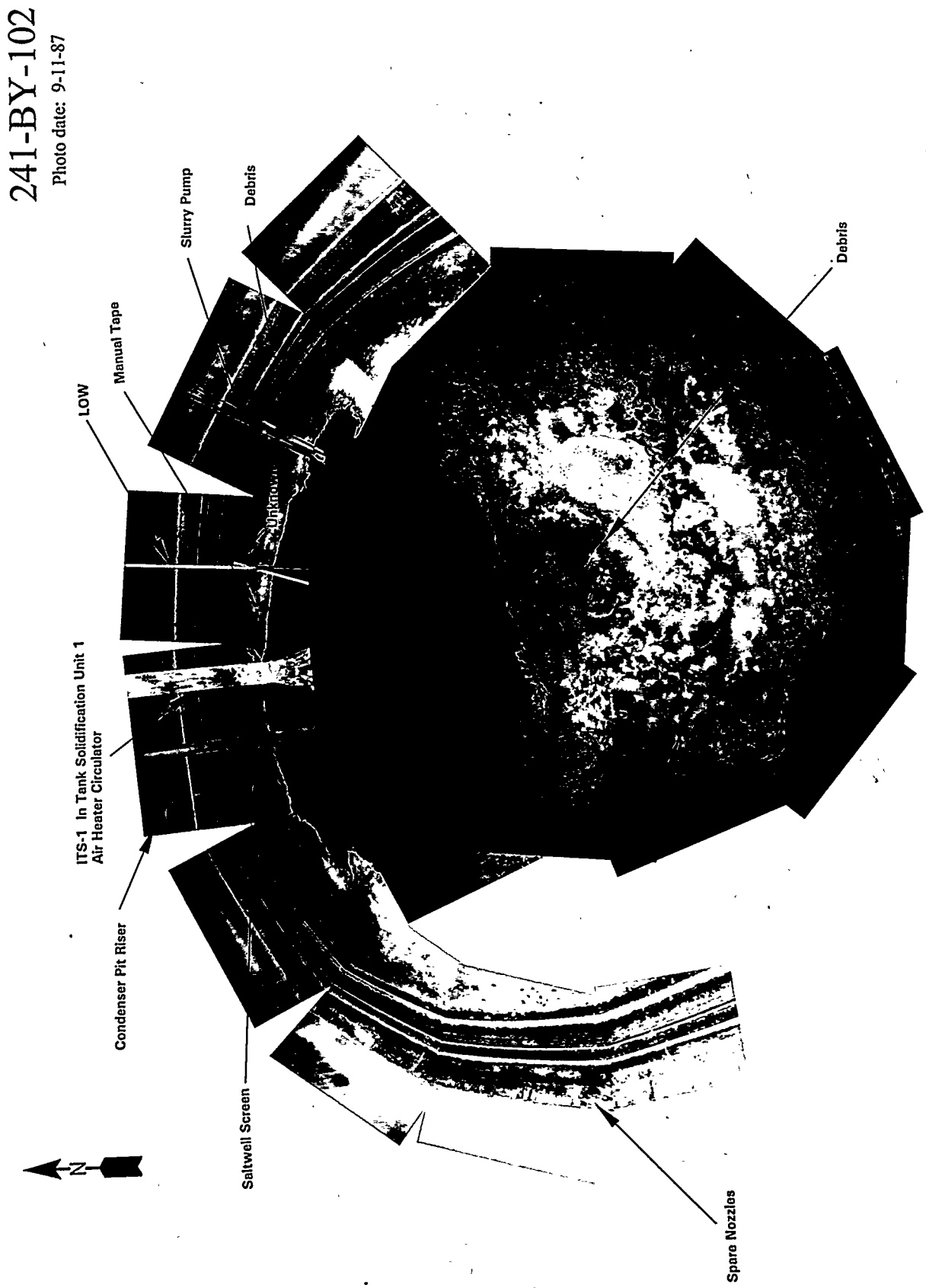
In Tank Solidification
Air Heater Circulator Prototype
Manual Tape
Temperature Probe
LOW
Air Sweep
Debris
Spare Nozzles
Saltwell Screen
Condenser Pit Riser
Saltwell Screen
Old Level Measurement Tape
Spare Nozzles
N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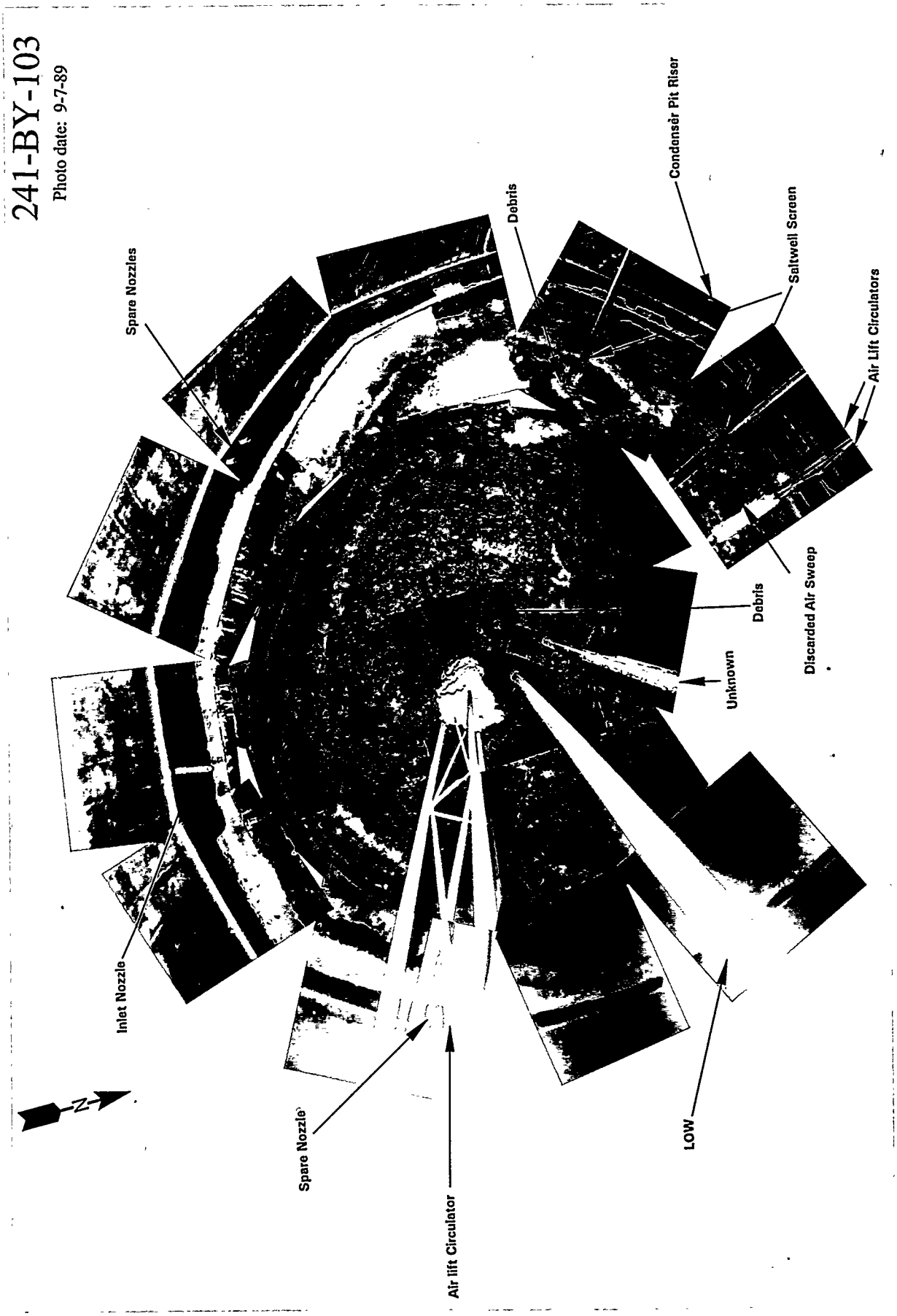
Slurry Pump
Debris
Manual Tape
LOW
Unknown
ITS-1 In Tank Solidification Unit 1
Air Heater Circulator
Condenser Pit Riser
Saltwell Screen
Spare Nozzles
Debris
N

N
6-6-77
LL 14'3¾"
TK-102BY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Spare Nozzles
Debris
Condensar Pit Riser
Saltwell Screen
Air Lift Circulators
Discarded Air Sweep
Debris
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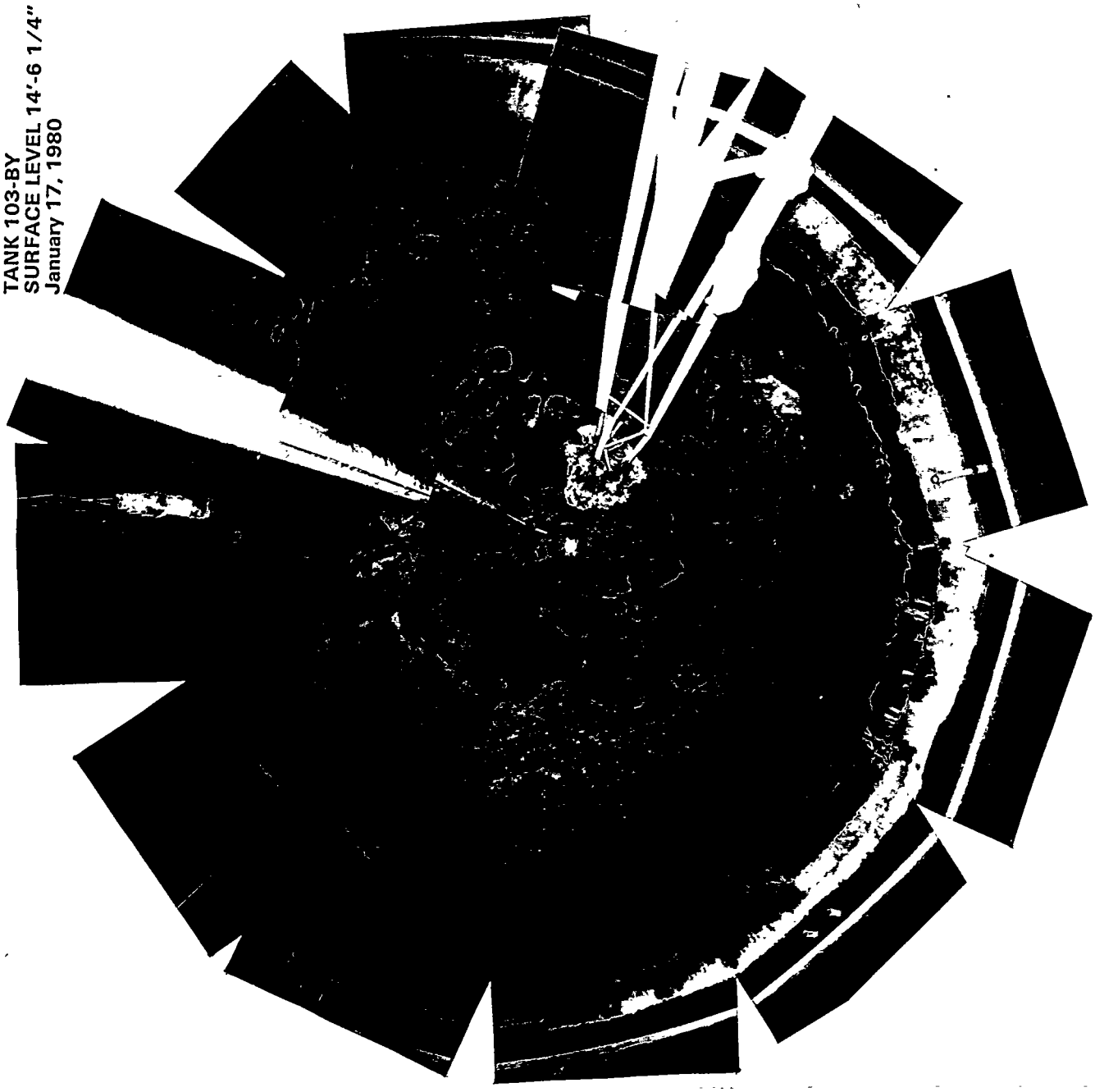
Inlet Nozzle
Spare Nozzle
Air lift Circulator
LOW
N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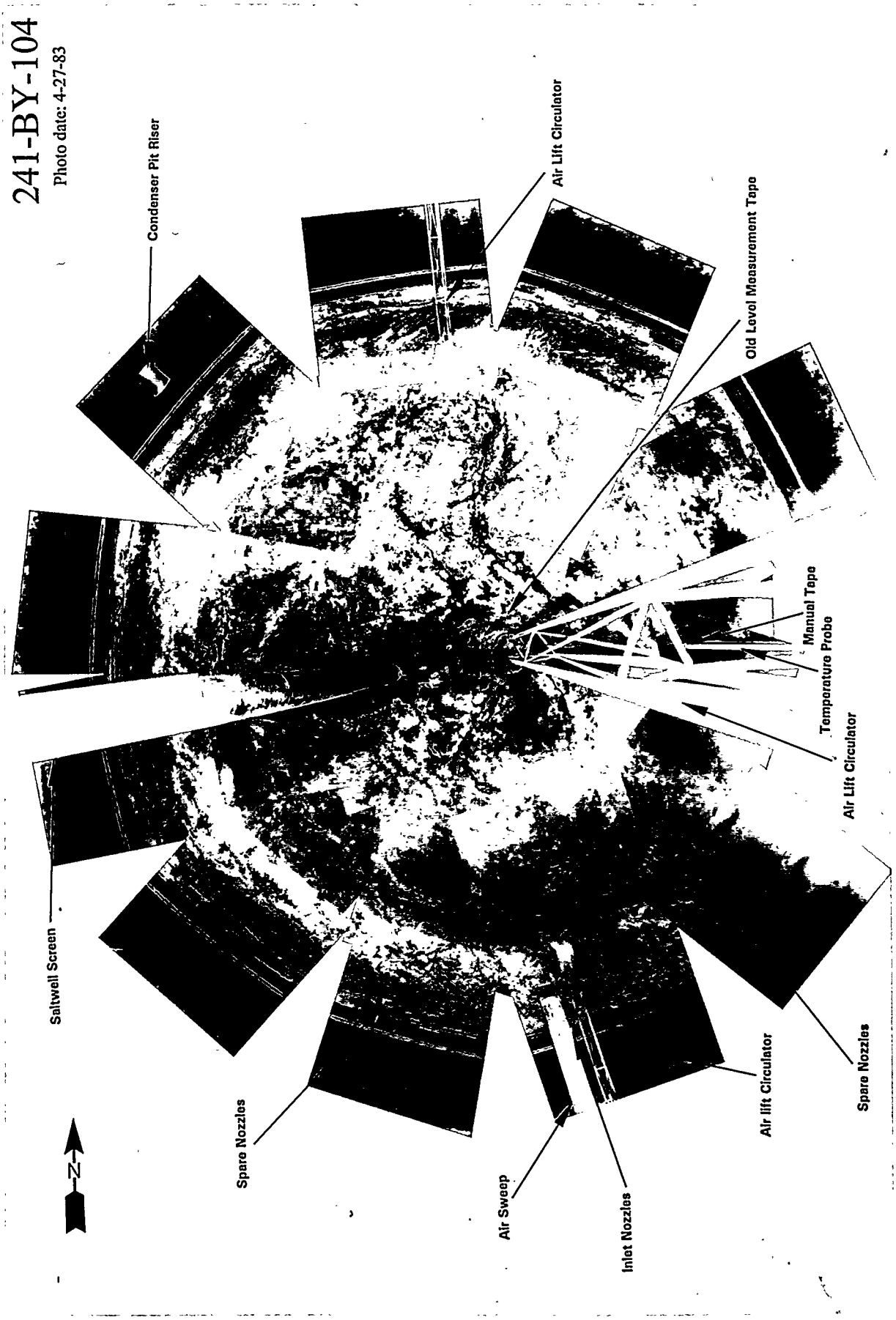
SURFACE LEVEL 14'-6 1/4"
January 17, 1980

TANK 103-BY
SURFACE LEVEL 14'-5"
August 2, 1979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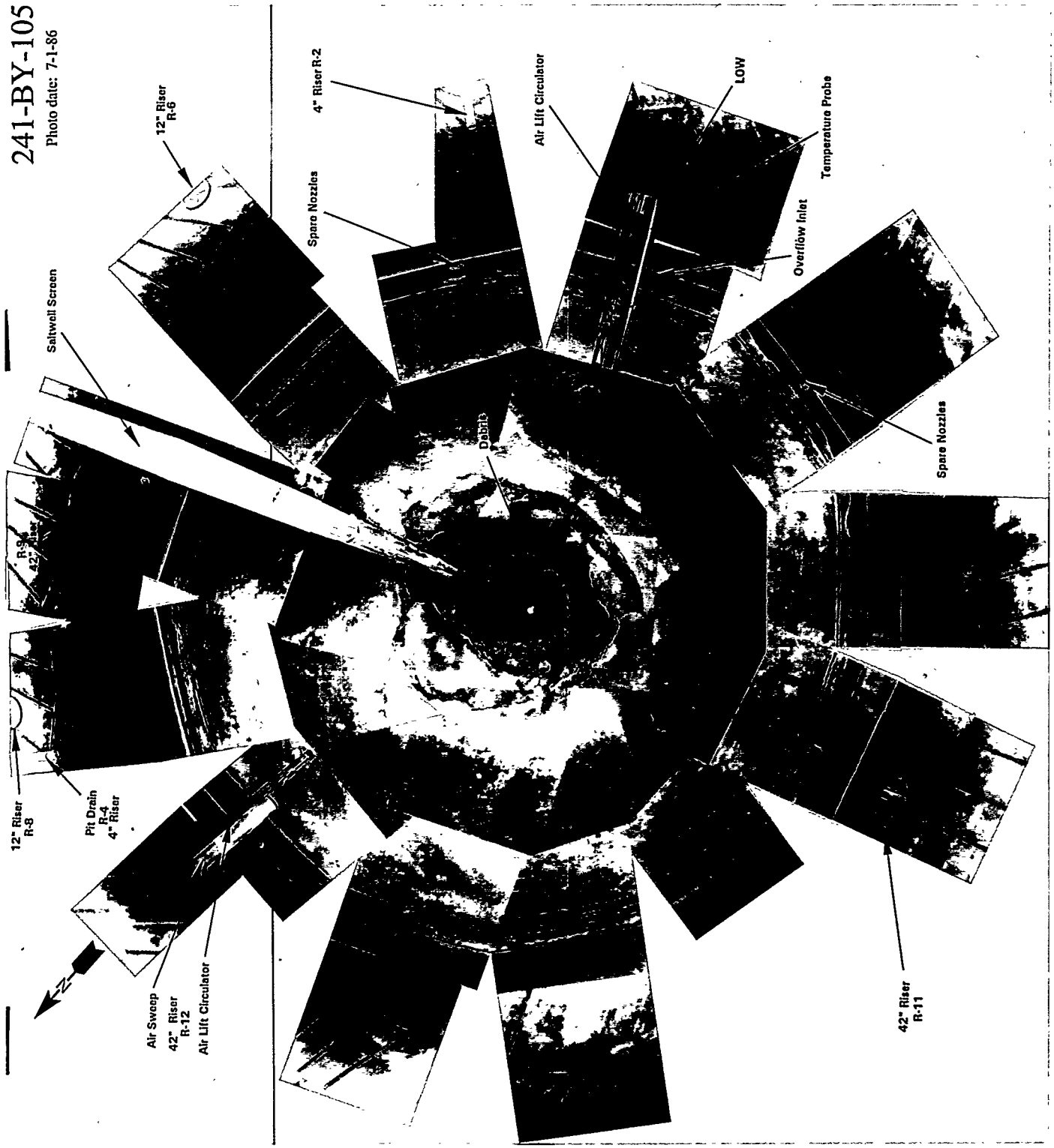
Condenser Pit Riser
Air Lift Circulator
Old Level Measurement Tape
Manual Tape
Temperature Probe
Air Lift Circulator
Saltwell Screen
Spare Nozzles
Air Sweep
Inlet Nozzles
Air lift Circulator
Spare Nozzles
N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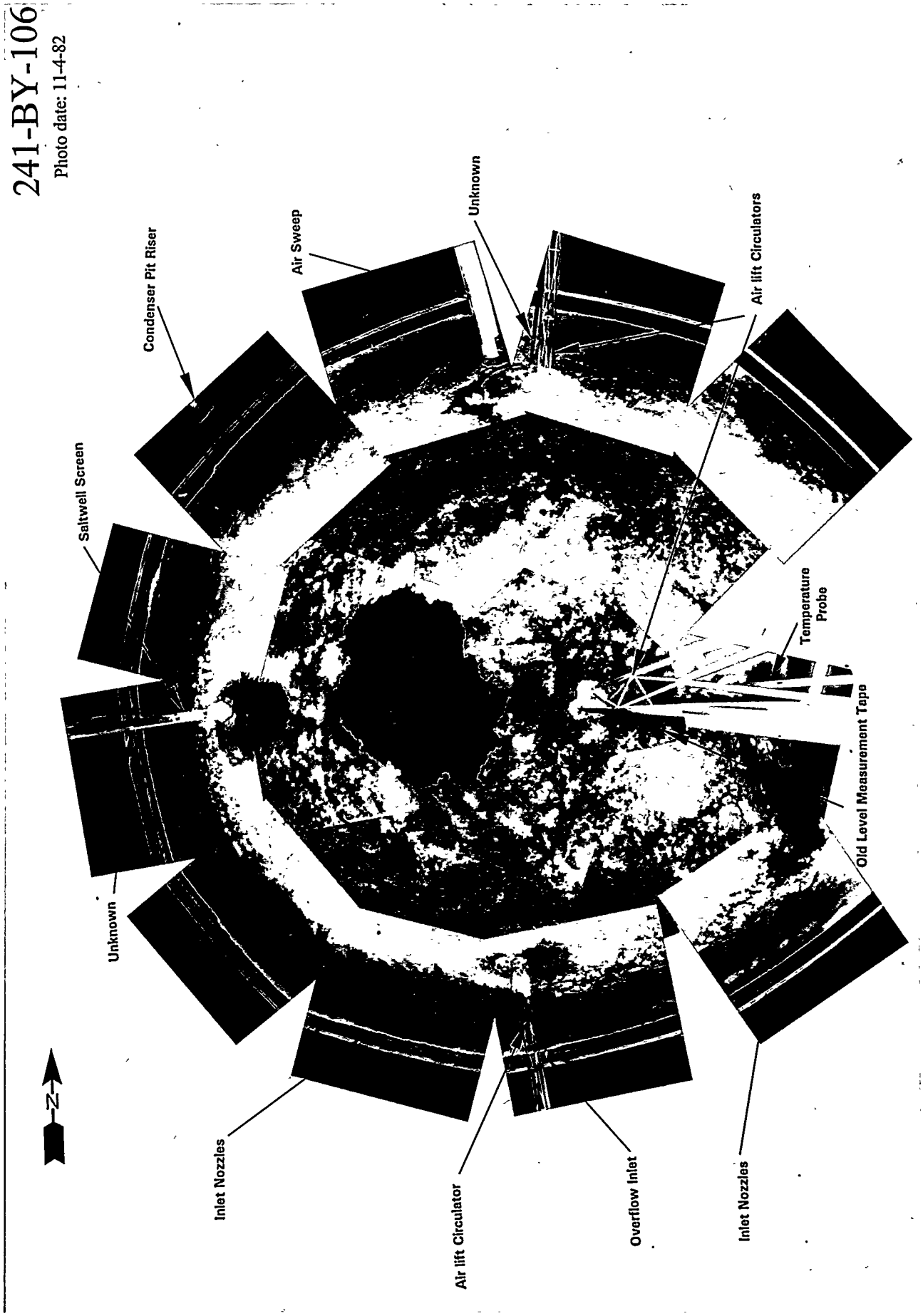
12" Riser R-6
4" Riser R-2
Air Lift Circulator
LOW
Temperature Probe
Spare Nozzles
Overflow Inlet
Saltwell Screen
Debris
Spare Nozzles
R-9 42" Riser
12" Riser R-3
Pit Drain R-4 4" Riser
Air Sweep
42" Riser R-12
Air Lift Circulator
42" Riser R-11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Saltwell Screen
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Air Sweep
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Temperature Probe
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Inlet Nozzles
Air lift Circulator
Overflow Inlet
Inlet Nozzles
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241-BY-107
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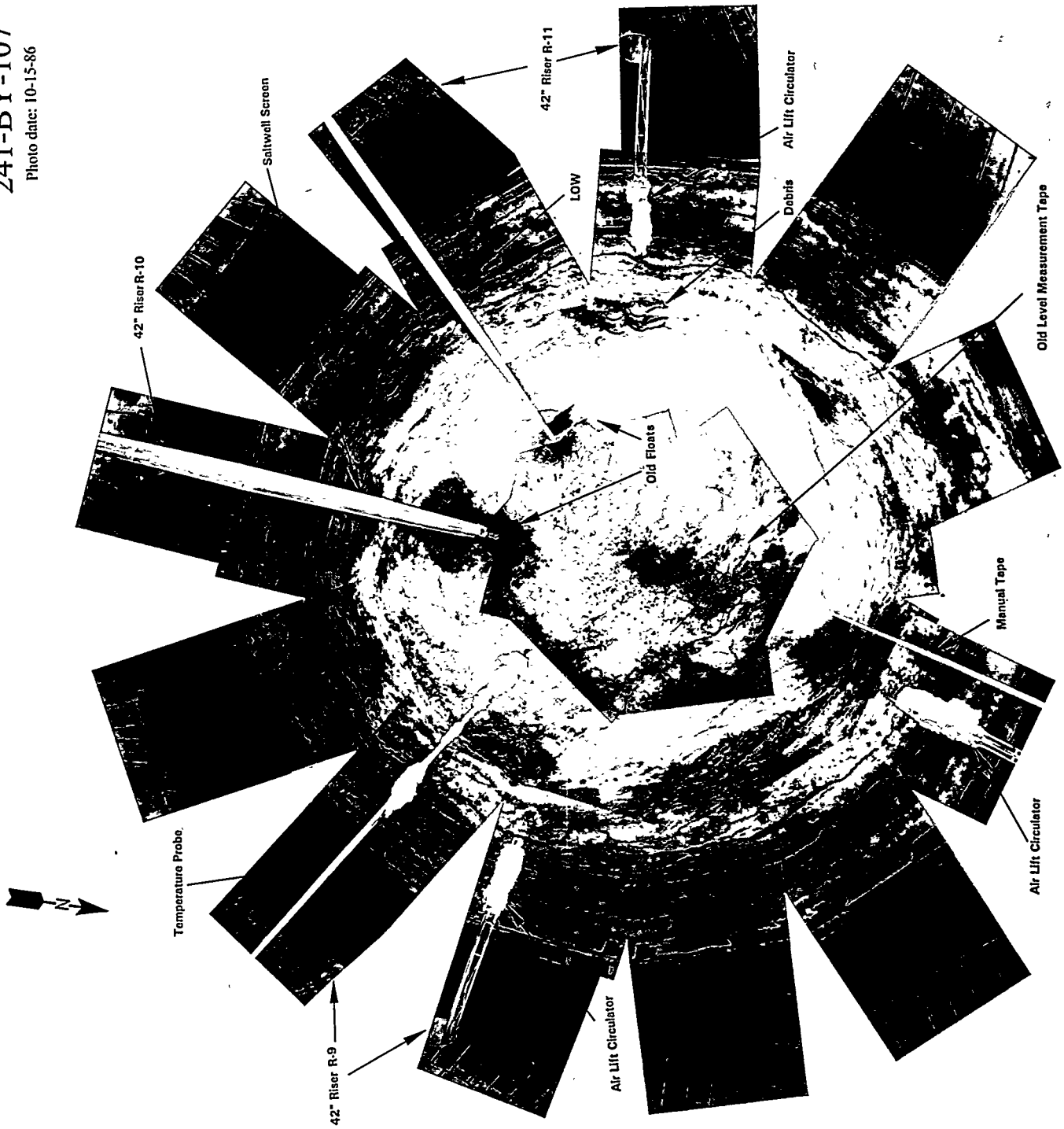
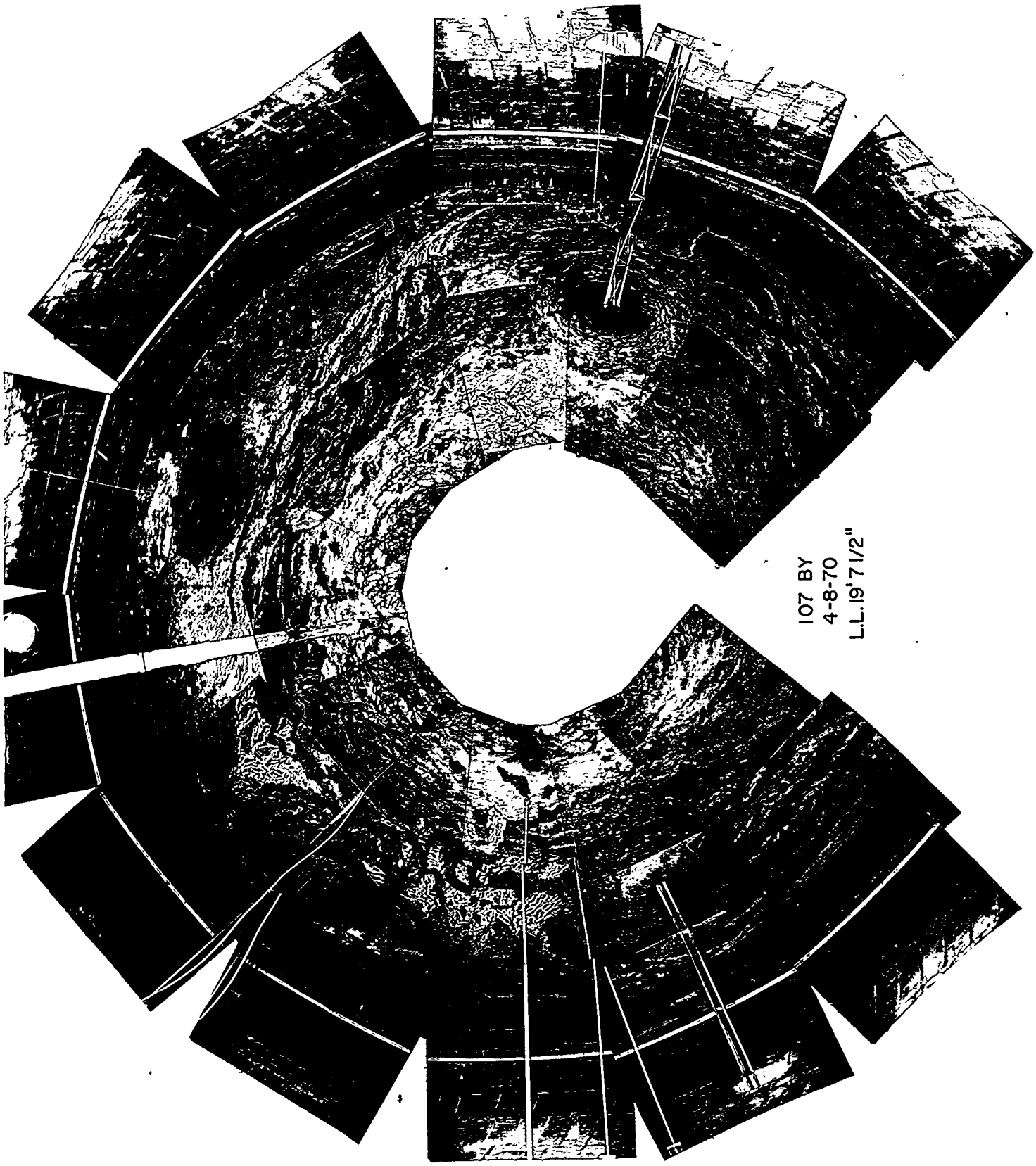
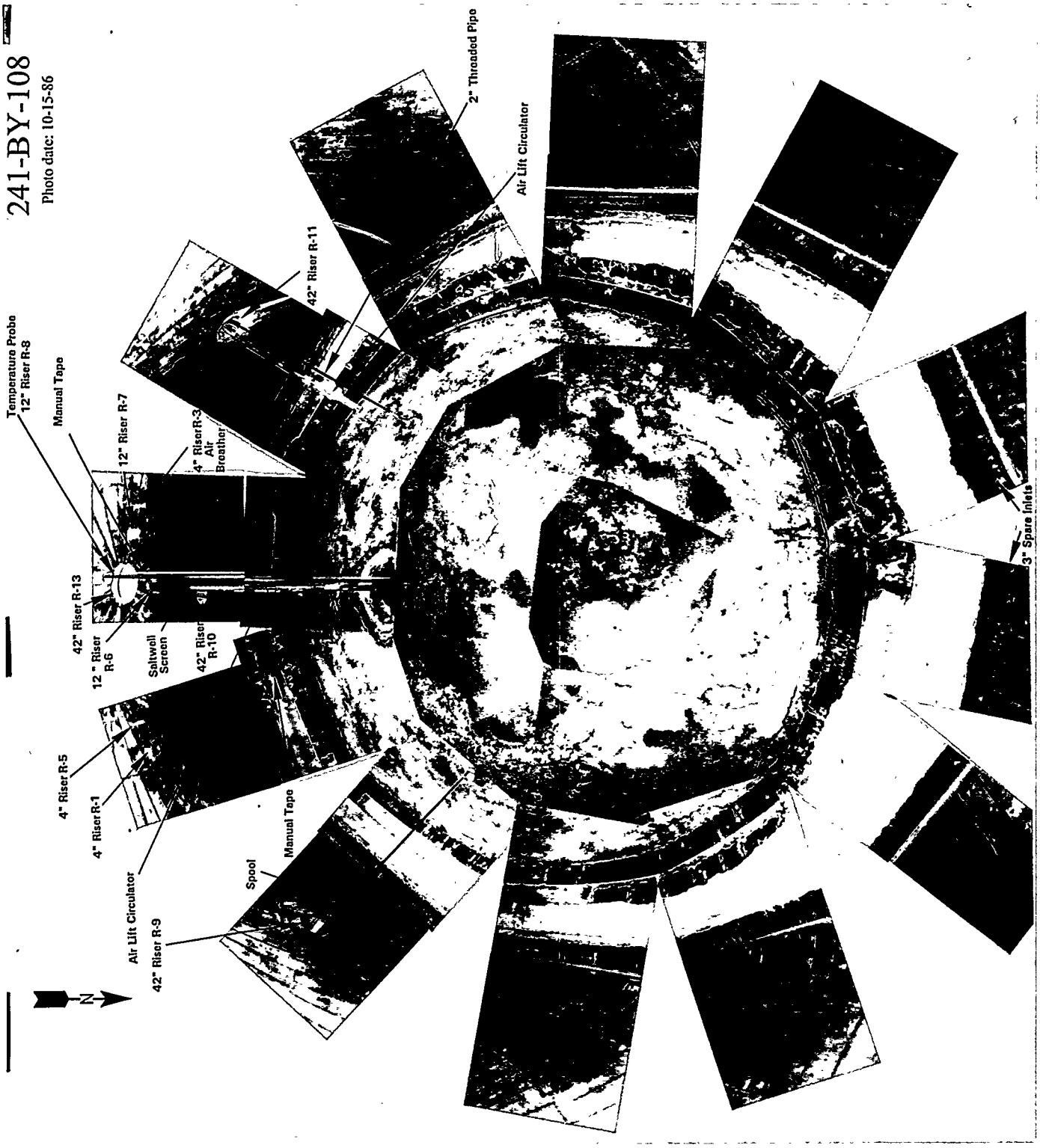



107 BY
4-8-70
L.L.19' 7 1/2"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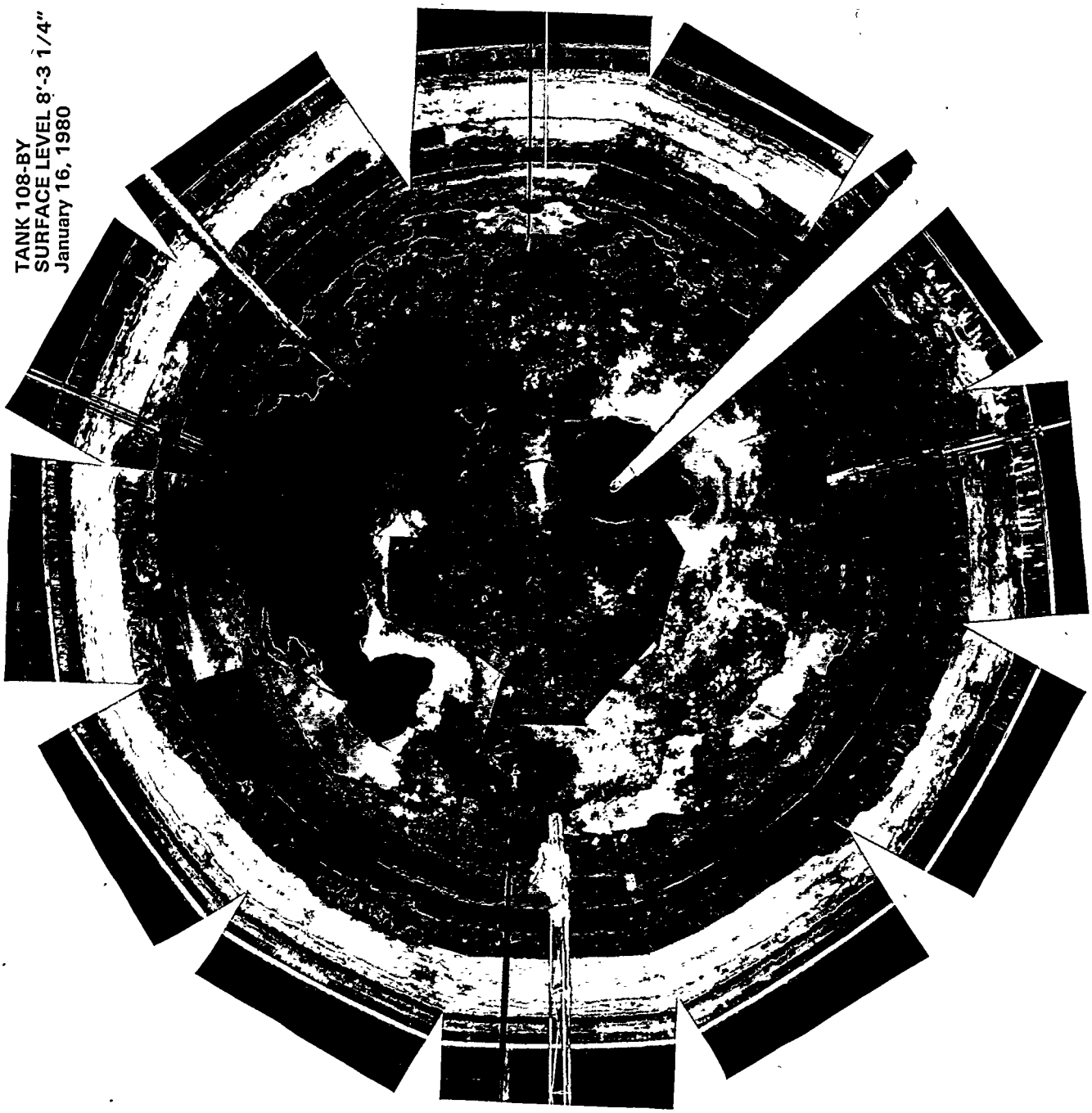
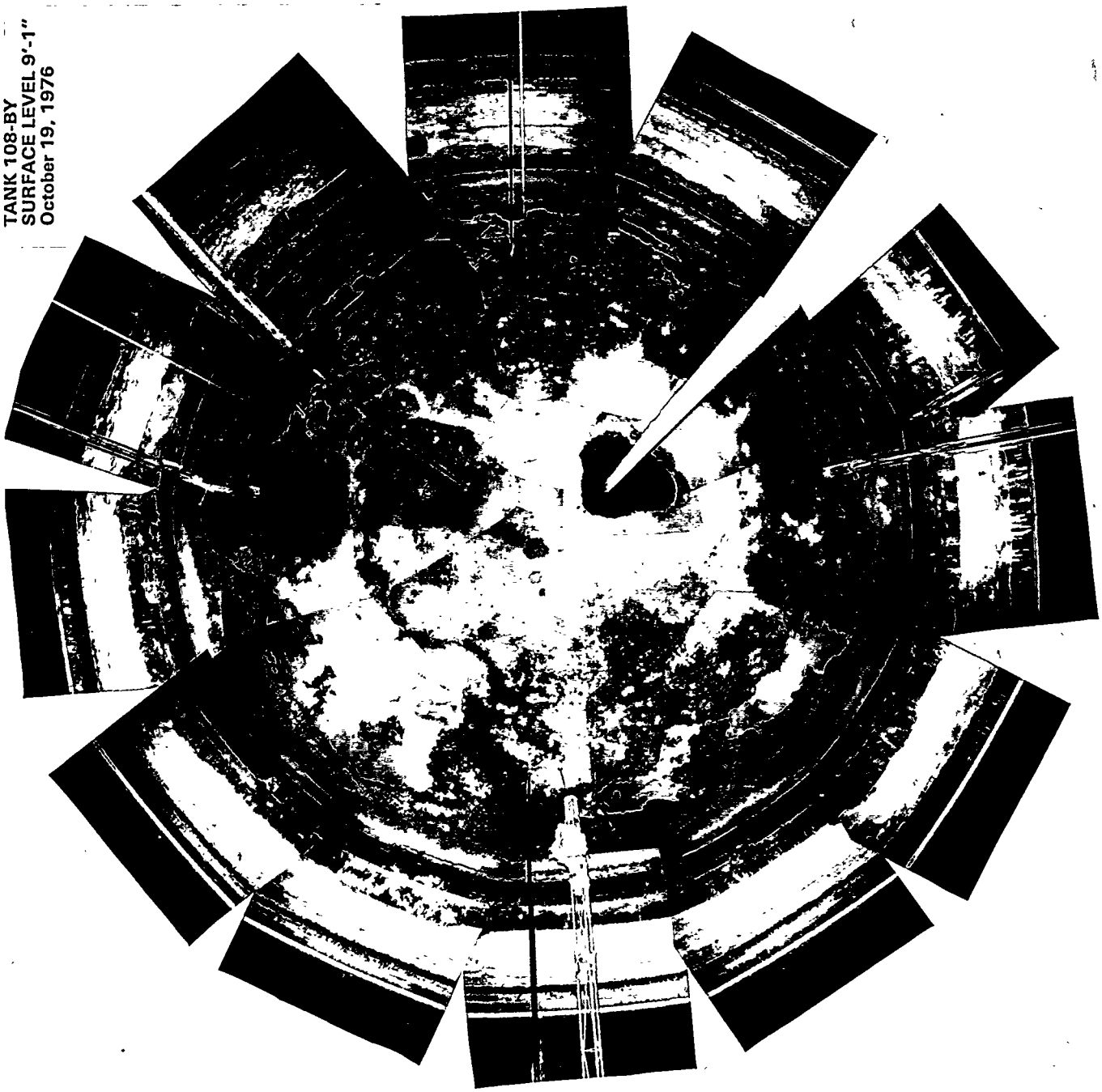
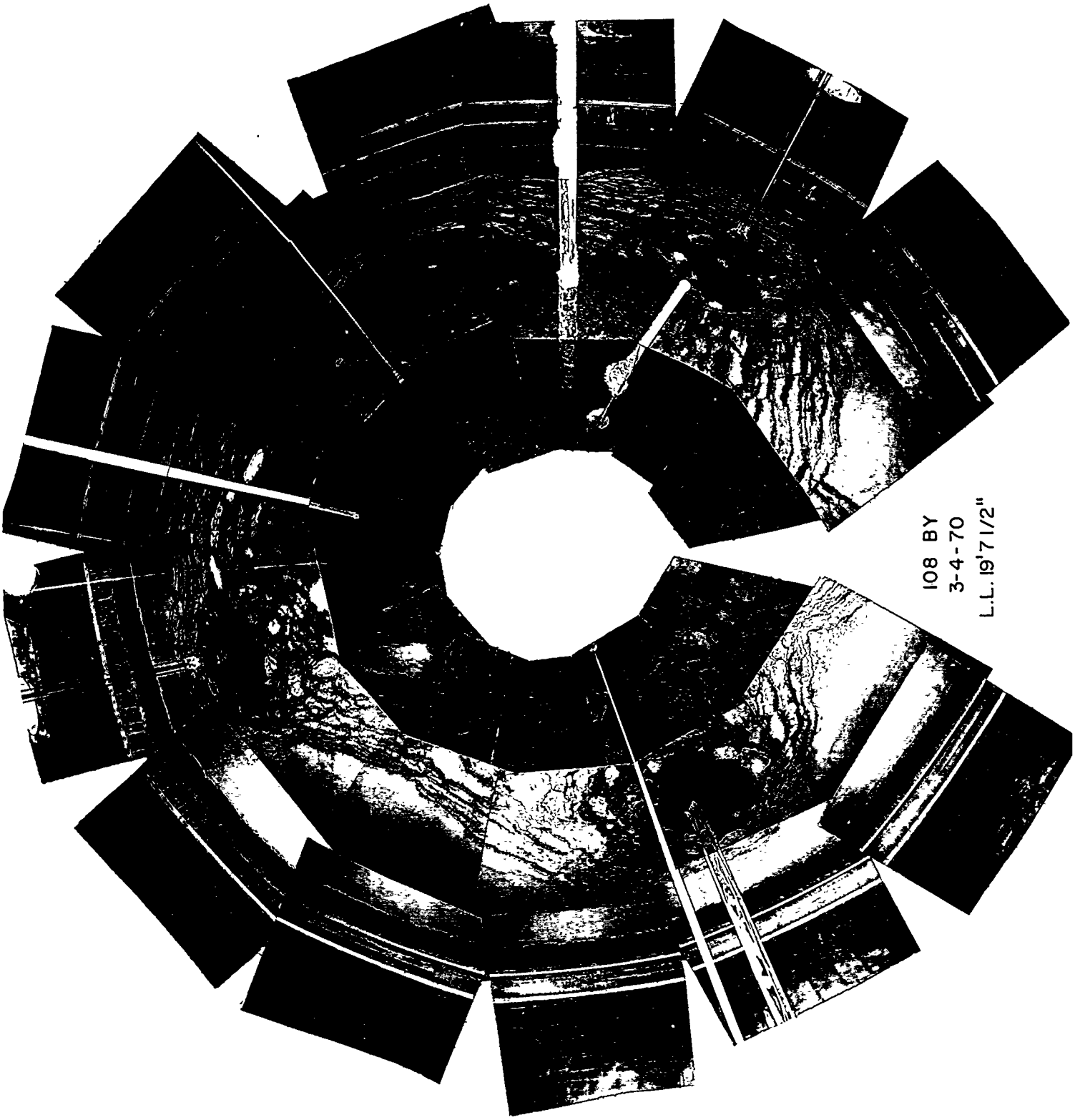
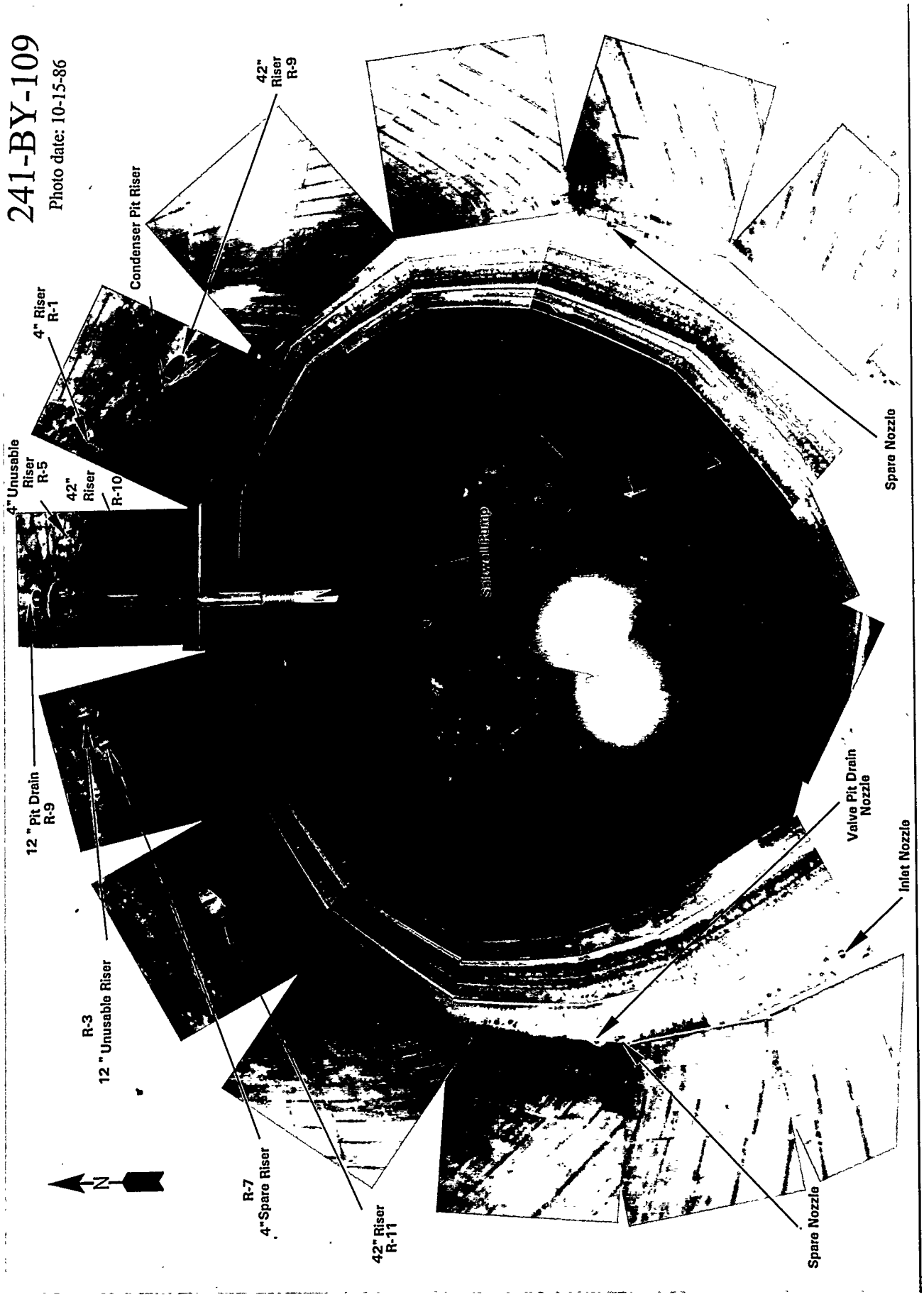
Temperature Probe
12" Riser R-8
Manual Tape
12" Riser R-7
4" Riser R-3
Air
Breather
42" Riser R-13
12 " Riser
R-6
Saltwell
Screen
42" Riser
R-10
4" Riser R-5
4" Riser R-1
Air Lift Circulator
42" Riser R-9
Spool
Manual Tape
42" Riser R-11
2" Threaded Pipe
Air Lift Circulator
3" Spare Inlets
N


TANK 108-BY
SURFACE LEVEL 8'-3 1/4"
January 16, 1980


TANK 108-BY
SURFACE LEVEL 9'-1"
October 19, 1976


108 BY
3-4-70
L.L. 19'7 1/2"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42" Riser R-9
Condenser Pit Riser
4" Riser R-1
4" Unusable Riser R-5
42" Riser R-10
12 " Pit Drain R-9
R-3 12 " Unusable Riser
N
R-7 4"Spare Riser
42" Riser R-11
Spare Nozzle
Valve Pit Drain Nozzle
Inlet Nozzle
Spare Nozzle

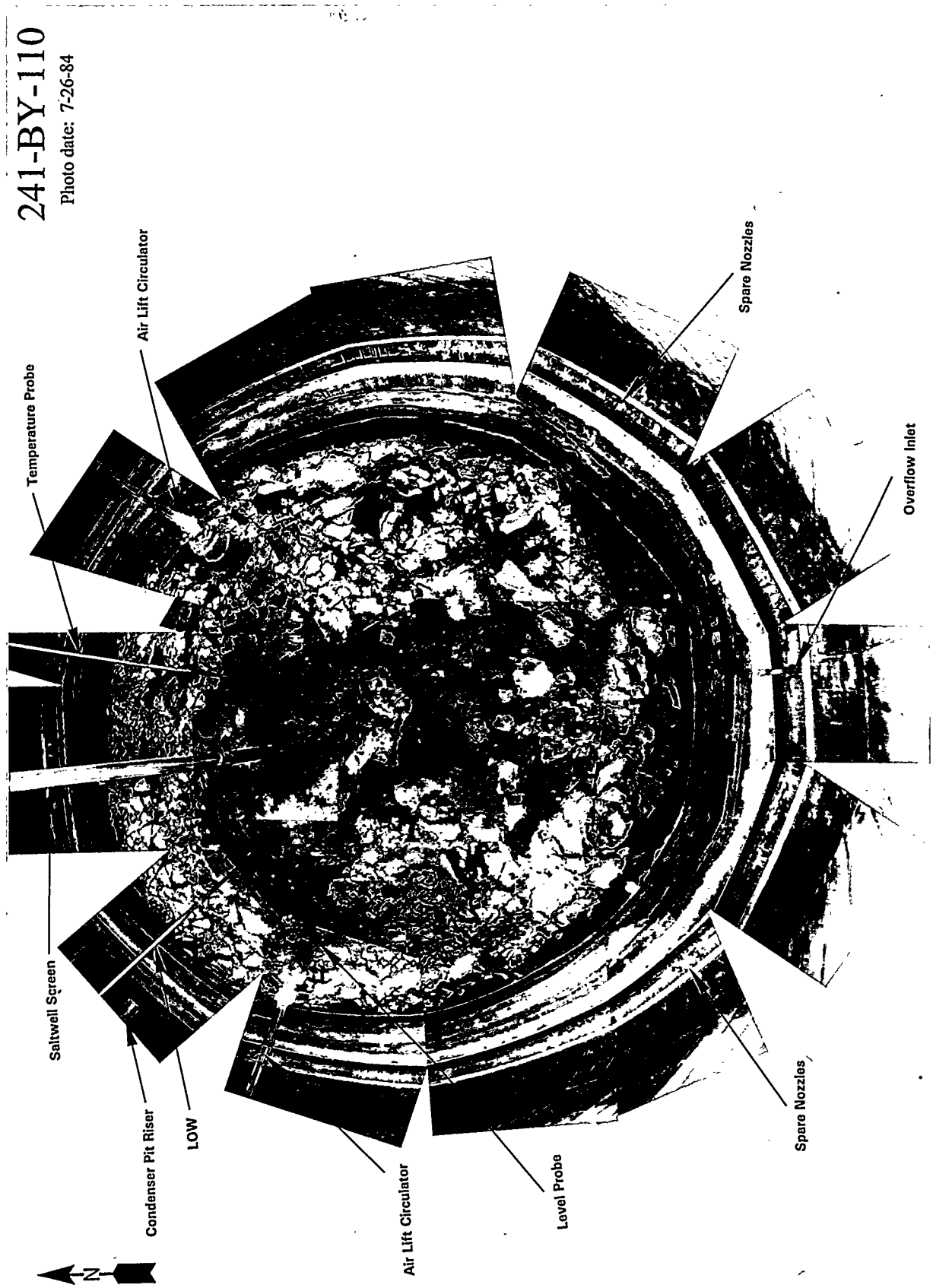
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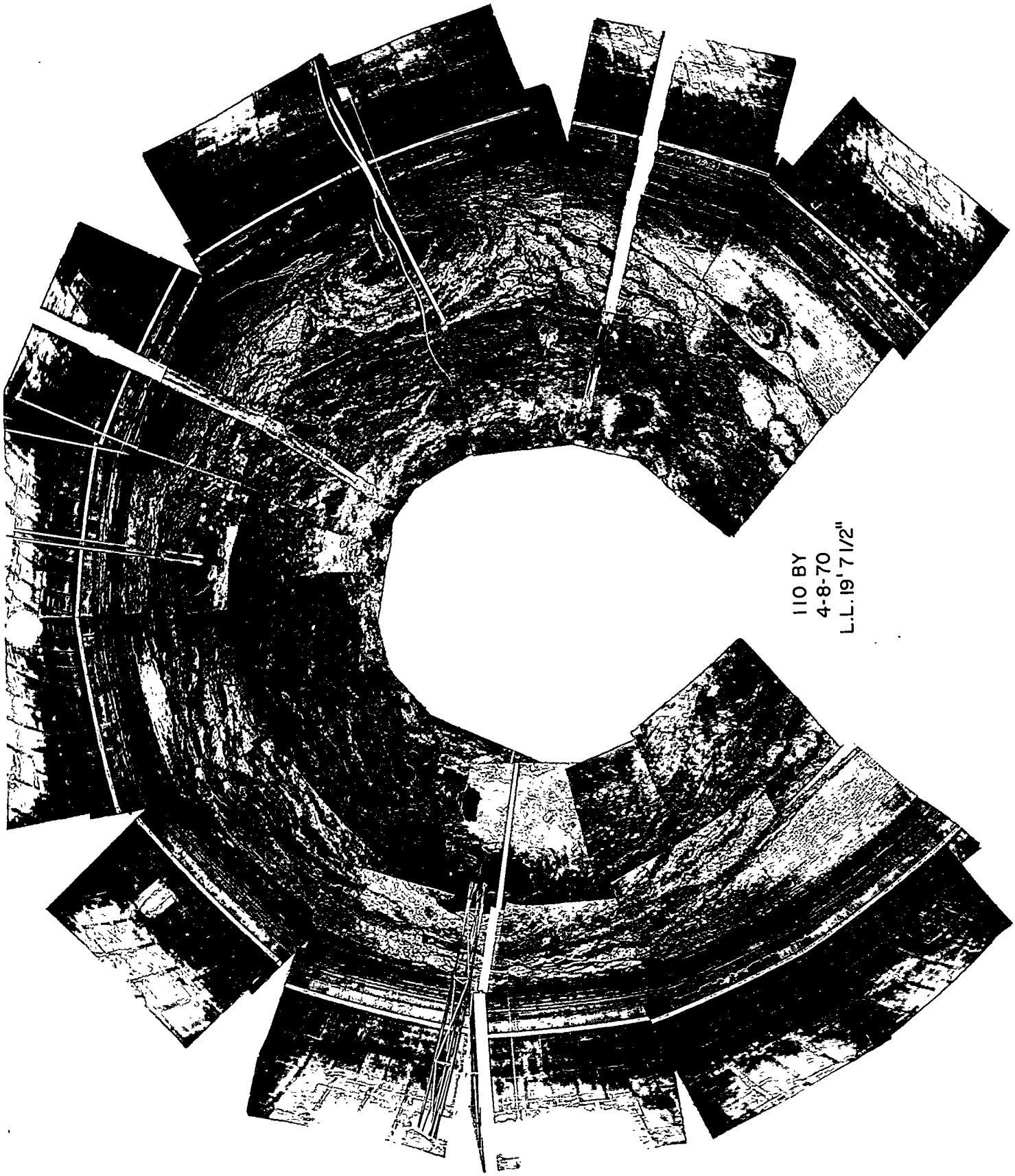
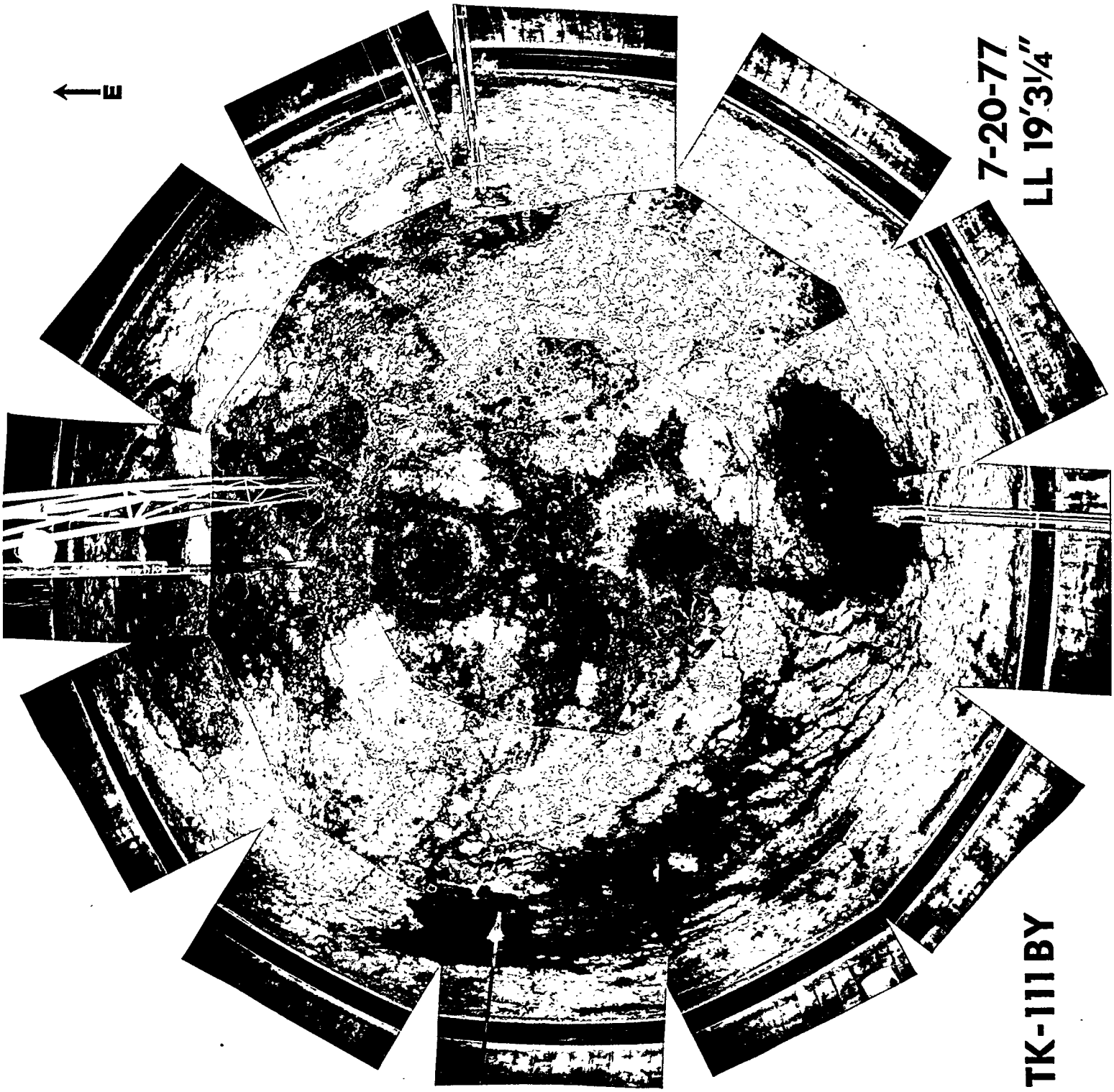
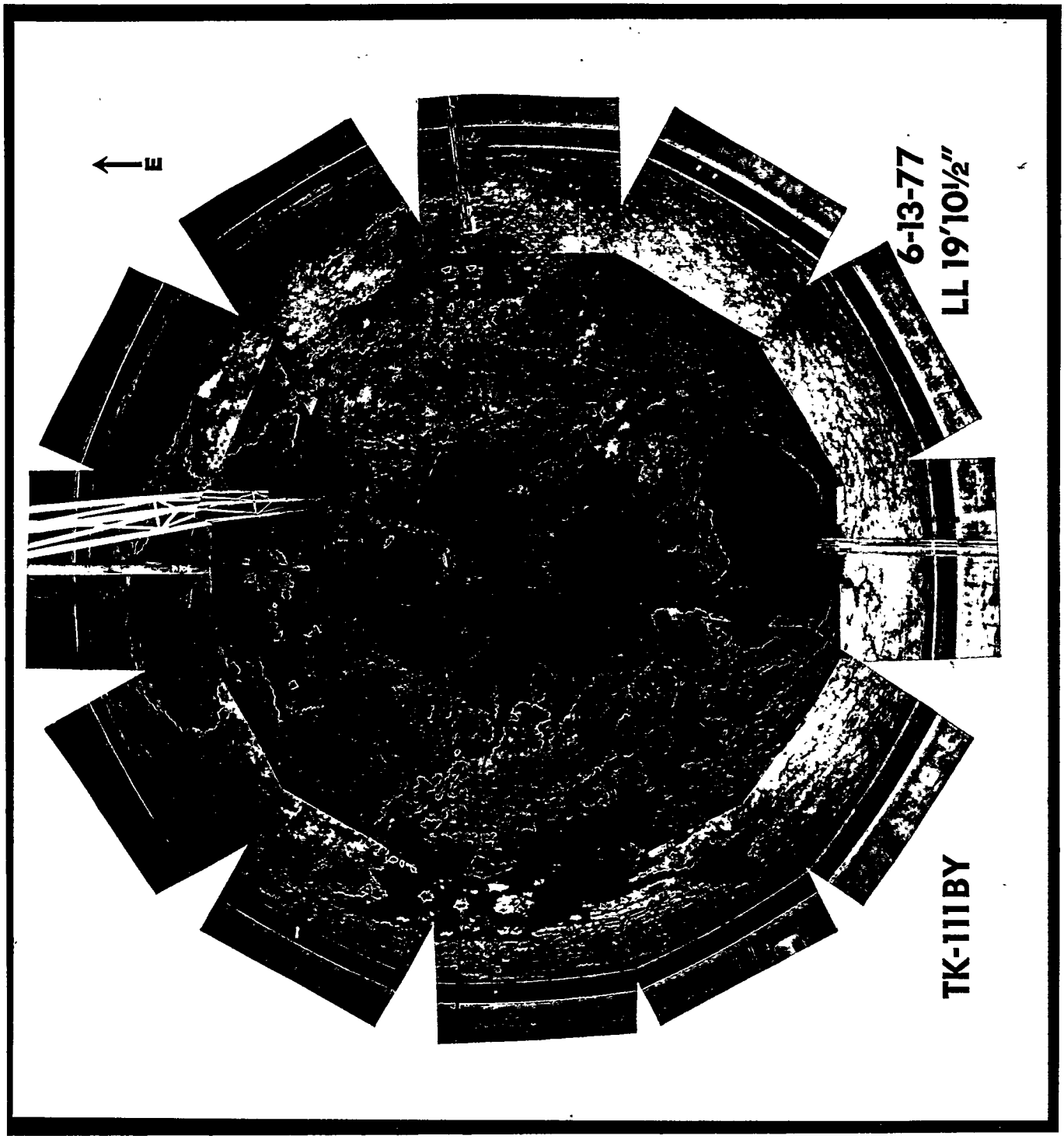
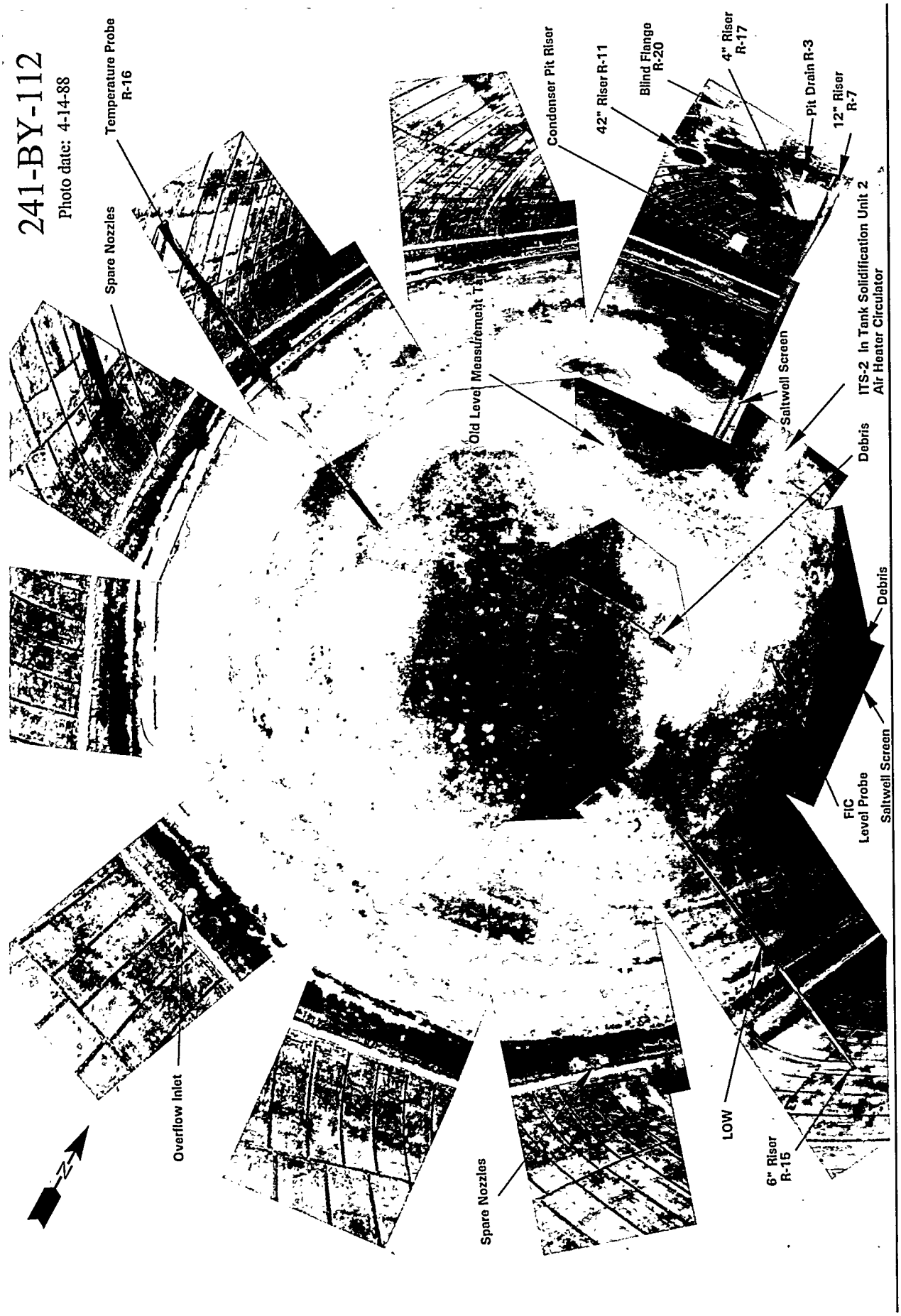
Photo date: 7-26-84
Temperature Probe
Air Lift Circulator
Spare Nozzles
Overflow Inlet
Saltwell Screen
Condenser Pit Riser
LOW
Air Lift Circulator
Level Probe
Spare Nozzles
N

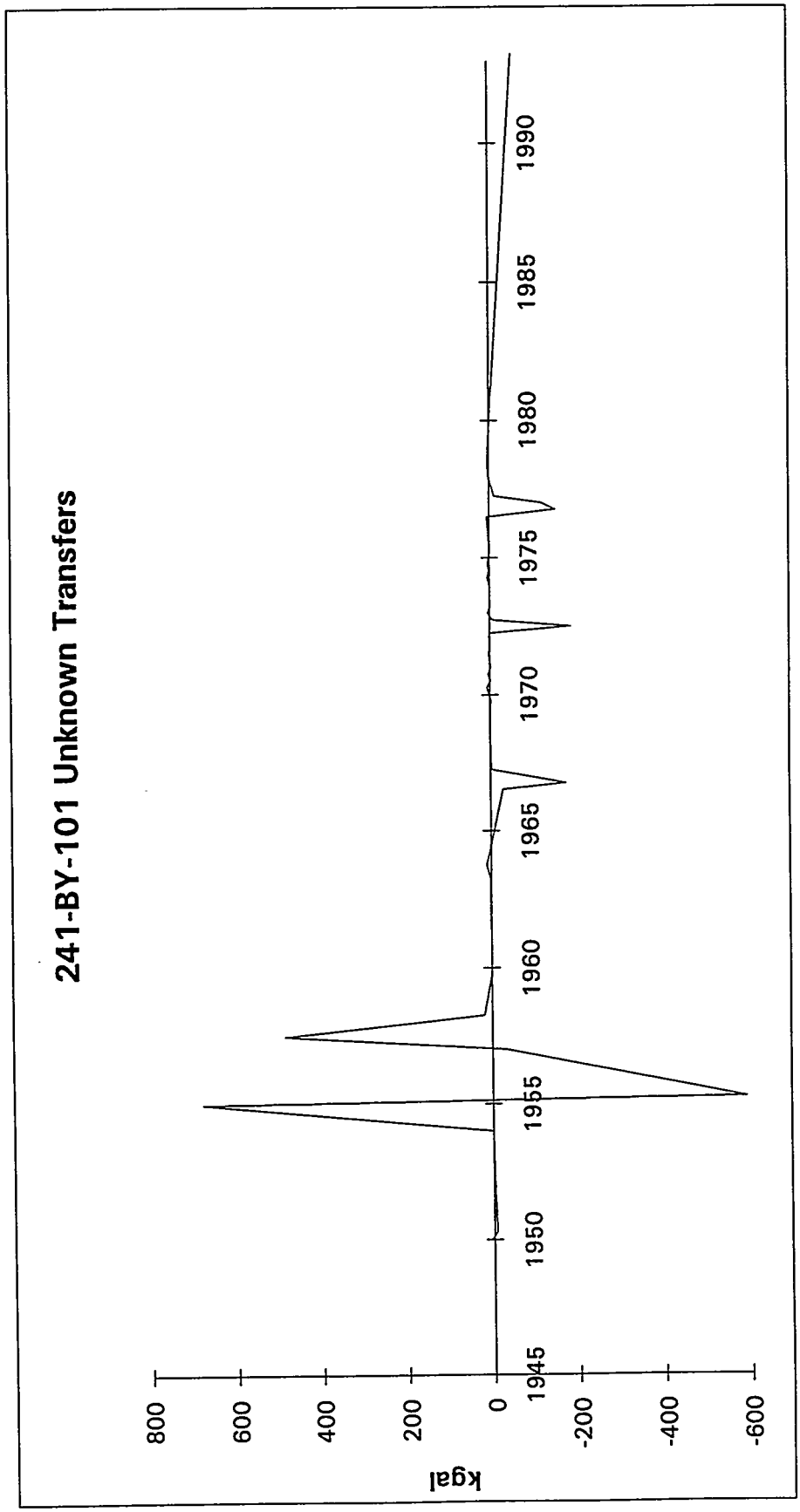

110 BY
4-8-70
L.L. 19' 7 1/2"

241-BY-111
Photo date: 10-31-86
Temperature Probe
42" Riser R-13
12" Riser R-6
12" Riser R-7
Air Lift Circulators
Saltwell Screen
Pit Drain 4" Riser R-3
Manual Tape 6" Riser R-15
Spare Nozzles
R-11 42" Riser
Air Lift Circulator
Condenser Pit Riser
4" Riser R-1
4" Riser R-2
42" Riser R-10
Inlet Nozzles
Old Level Measurement Tape
LOW
42" Riser R-9
Saltwell Screen
6" Riser R-14
Inlet Nozzle
Unknown
Outlet Nozzle


E
7-20-77
LL 19'3¼"
TK-111 BY


E
6-13-77
LL 19'10½"
TK-111BY


241-BY-112
Photo date: 4-14-88
Temperature Probe
R-16
Spare Nozzles
Condenser Pit Riser
42" Riser R-11
Blind Flange
R-20
4" Riser
R-17
Pit Drain R-3
12" Riser
R-7
Old Level Measurement Tap
Saltwell Screen
ITS-2 In Tank Solidification Unit 2
Air Heater Circulator
Debris
Debris
FIC
Level Probe
Saltwell Screen
LOW
6" Riser
R-15
Spare Nozzles
Overflow Inlet
N



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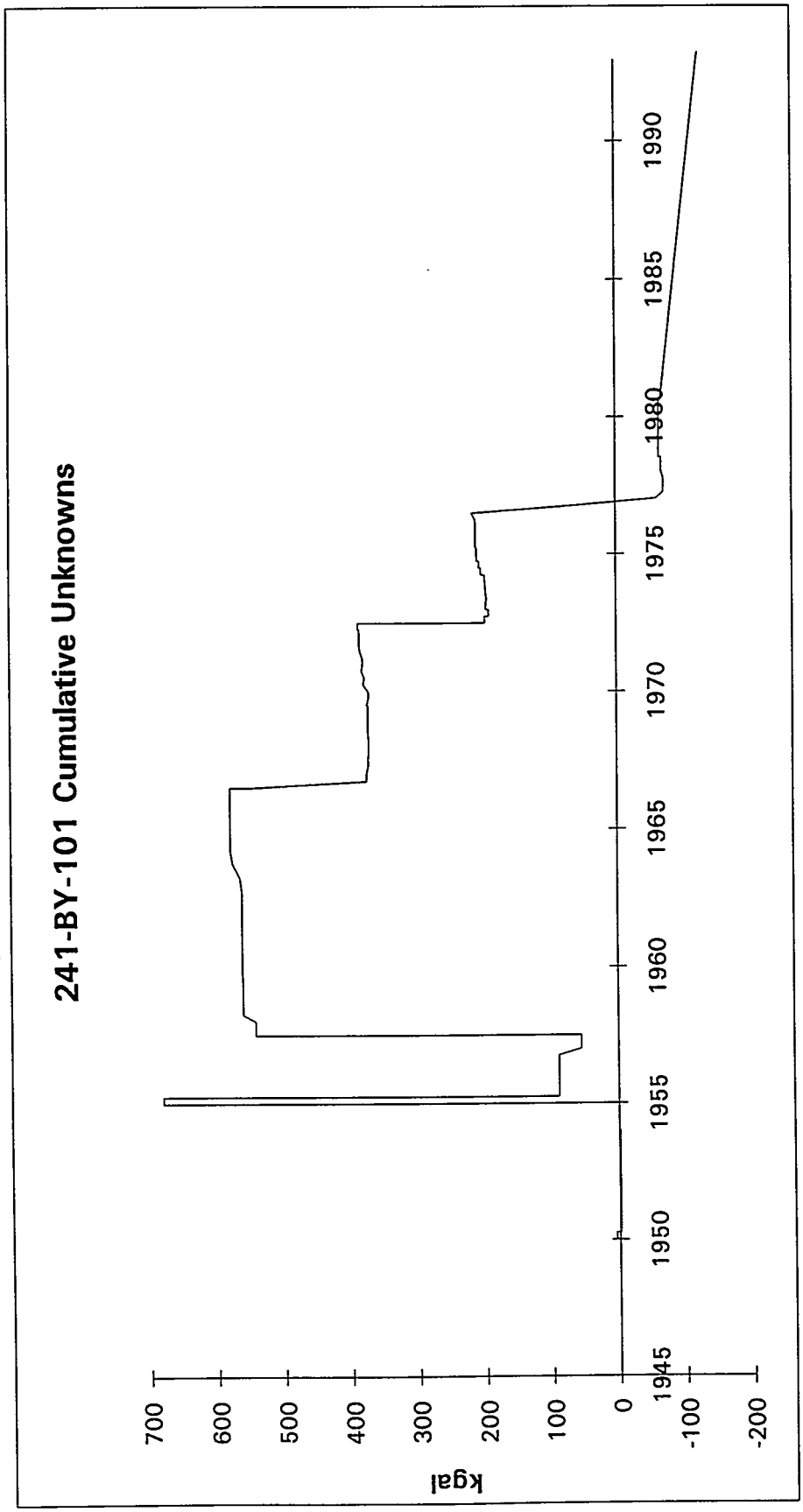

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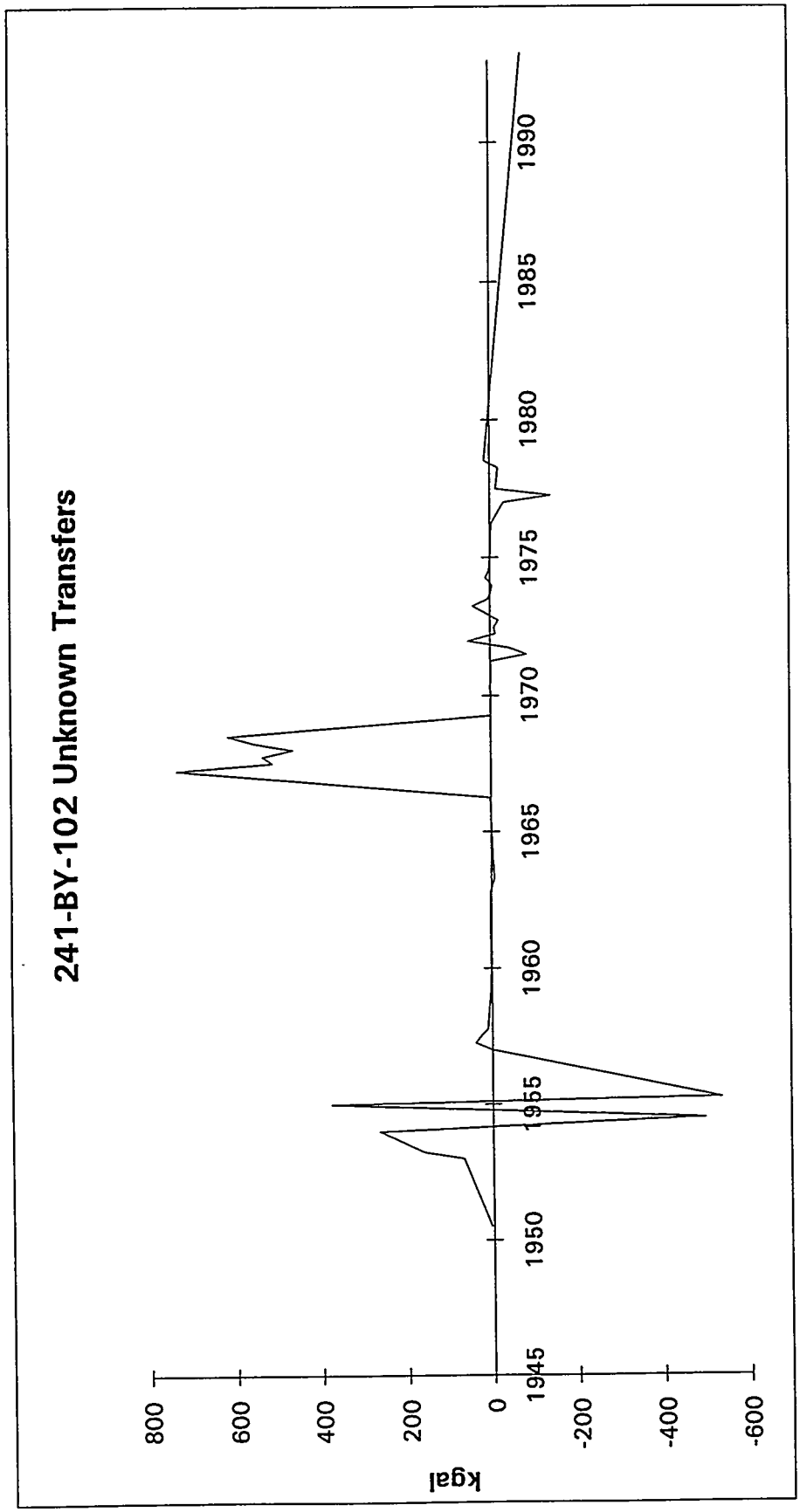

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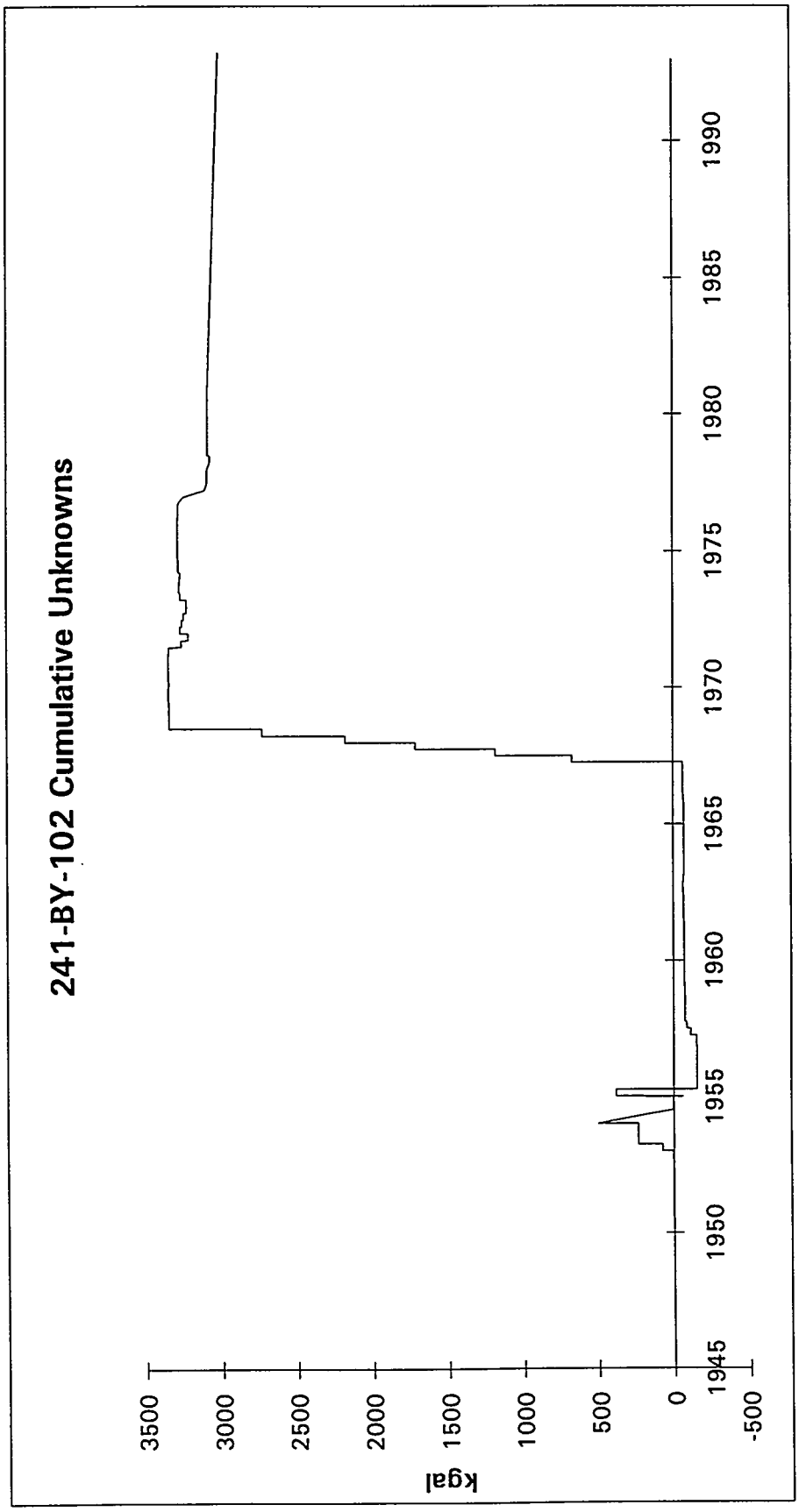

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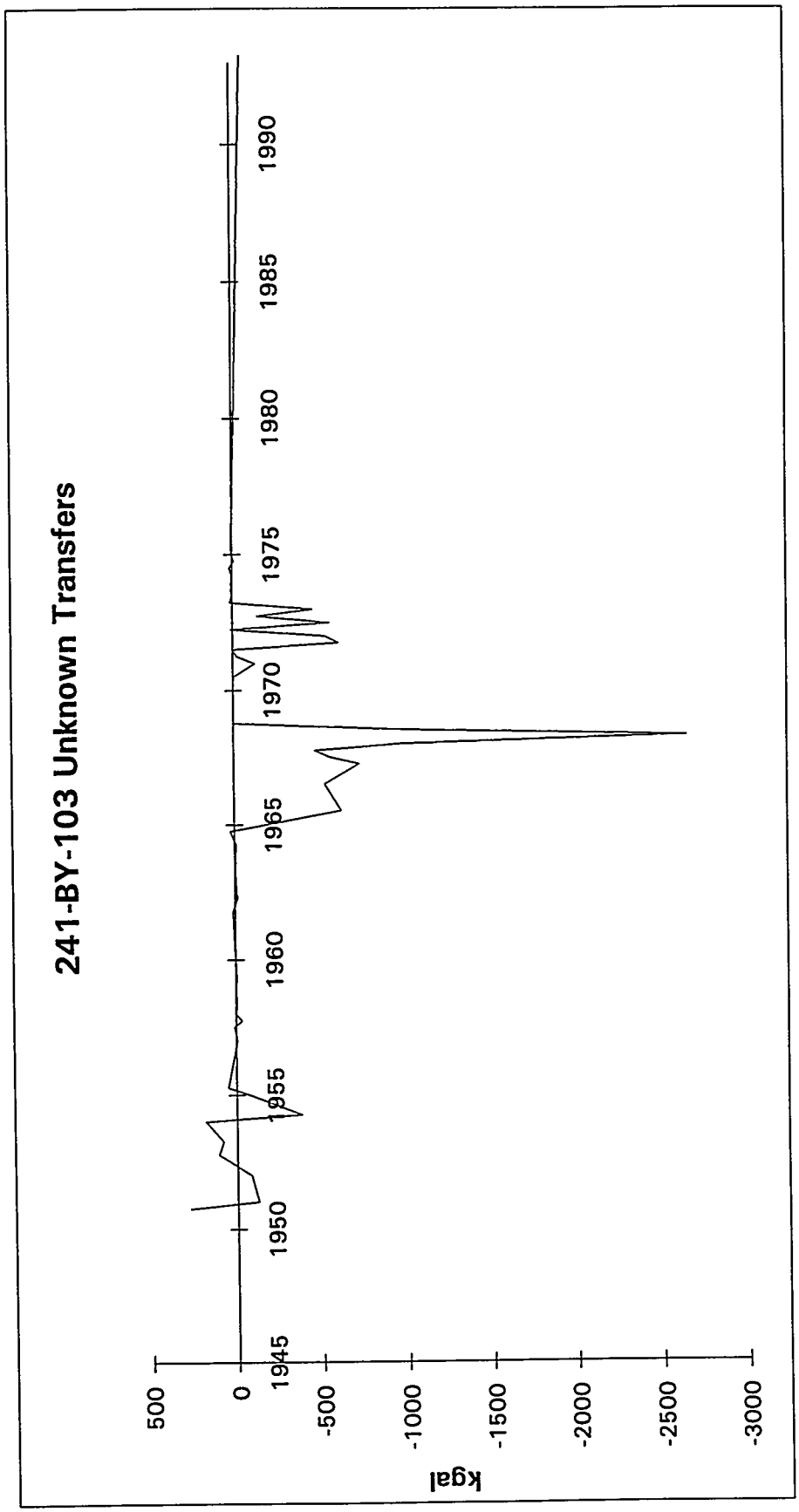

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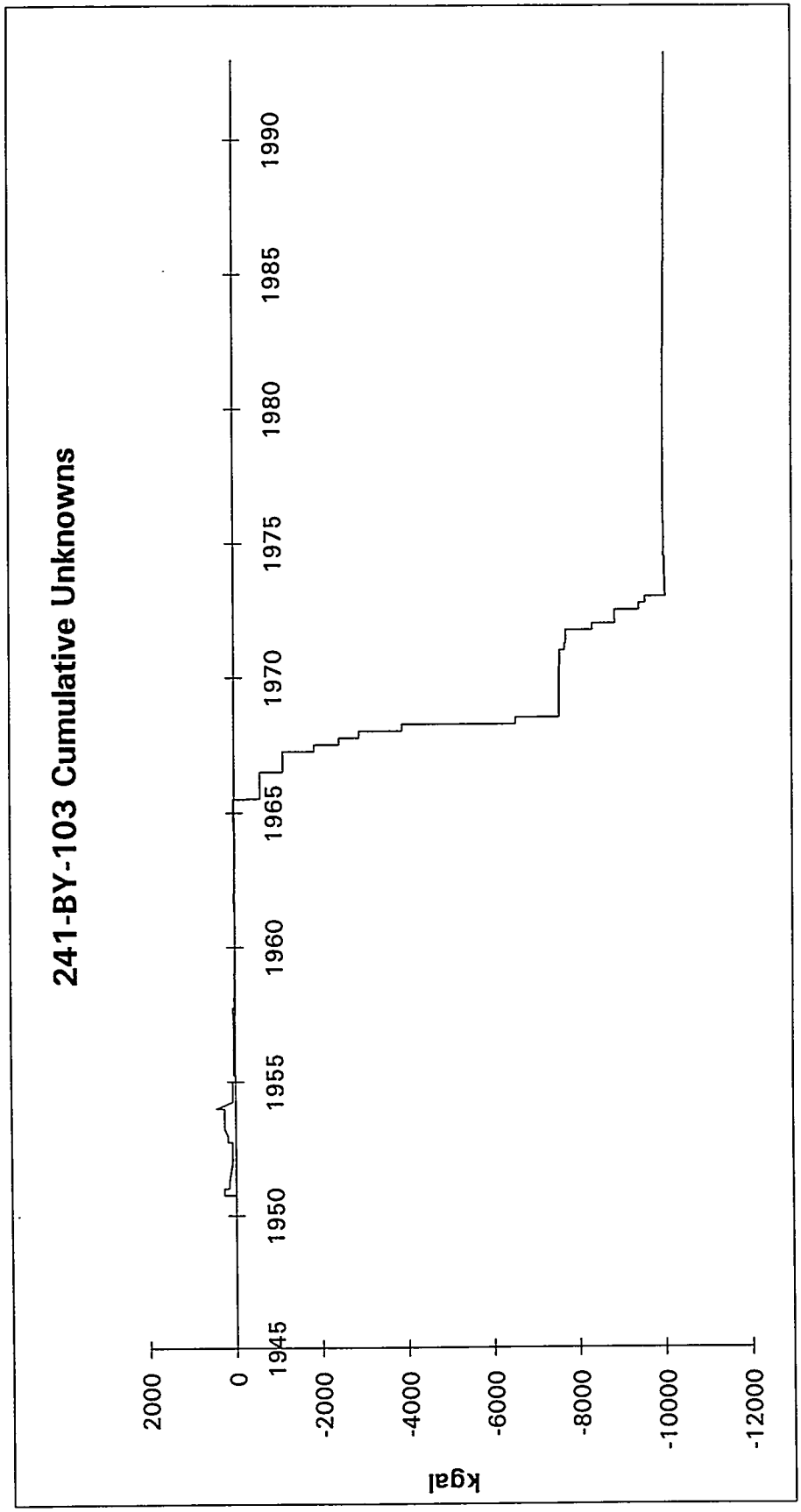

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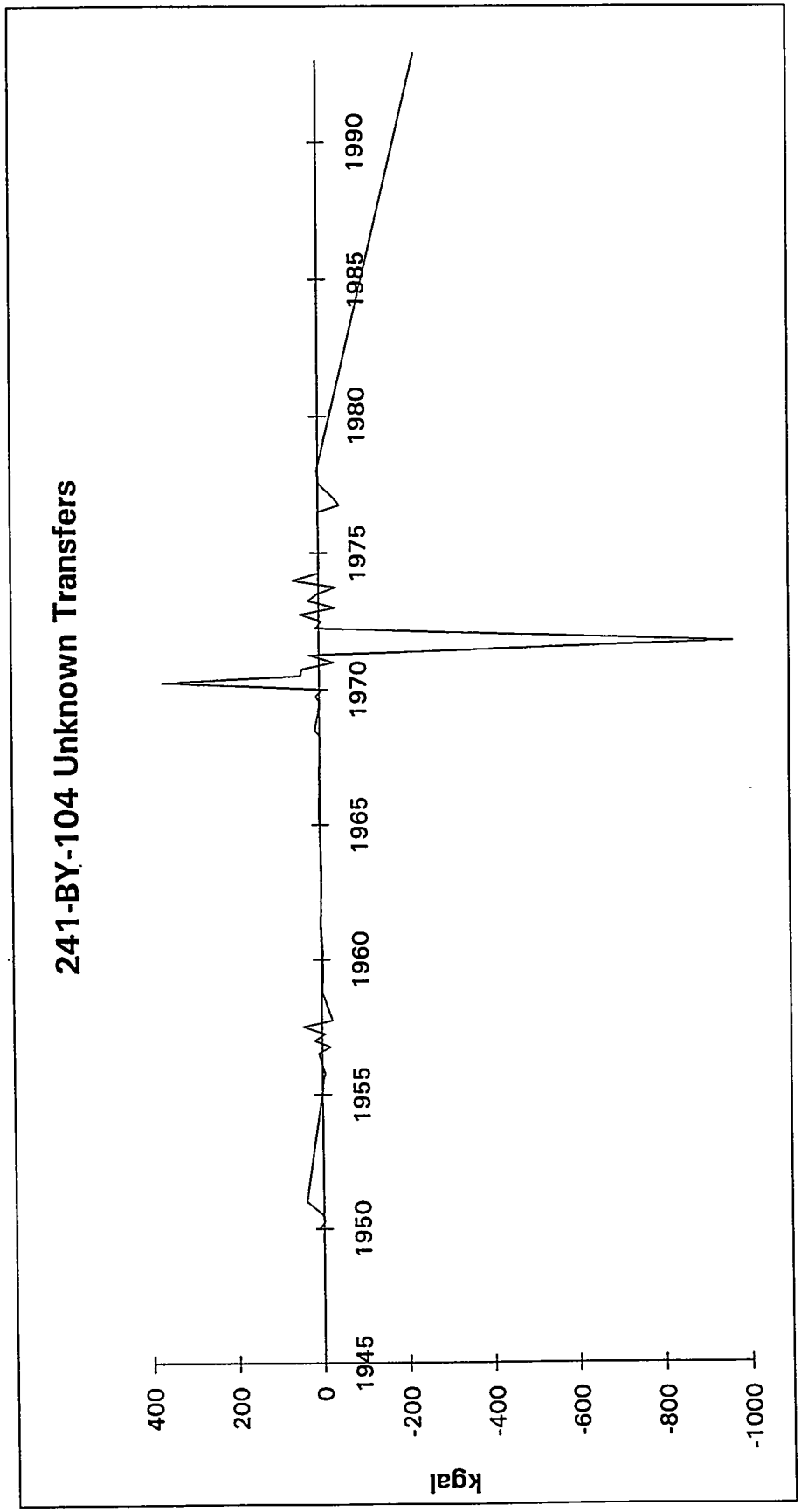

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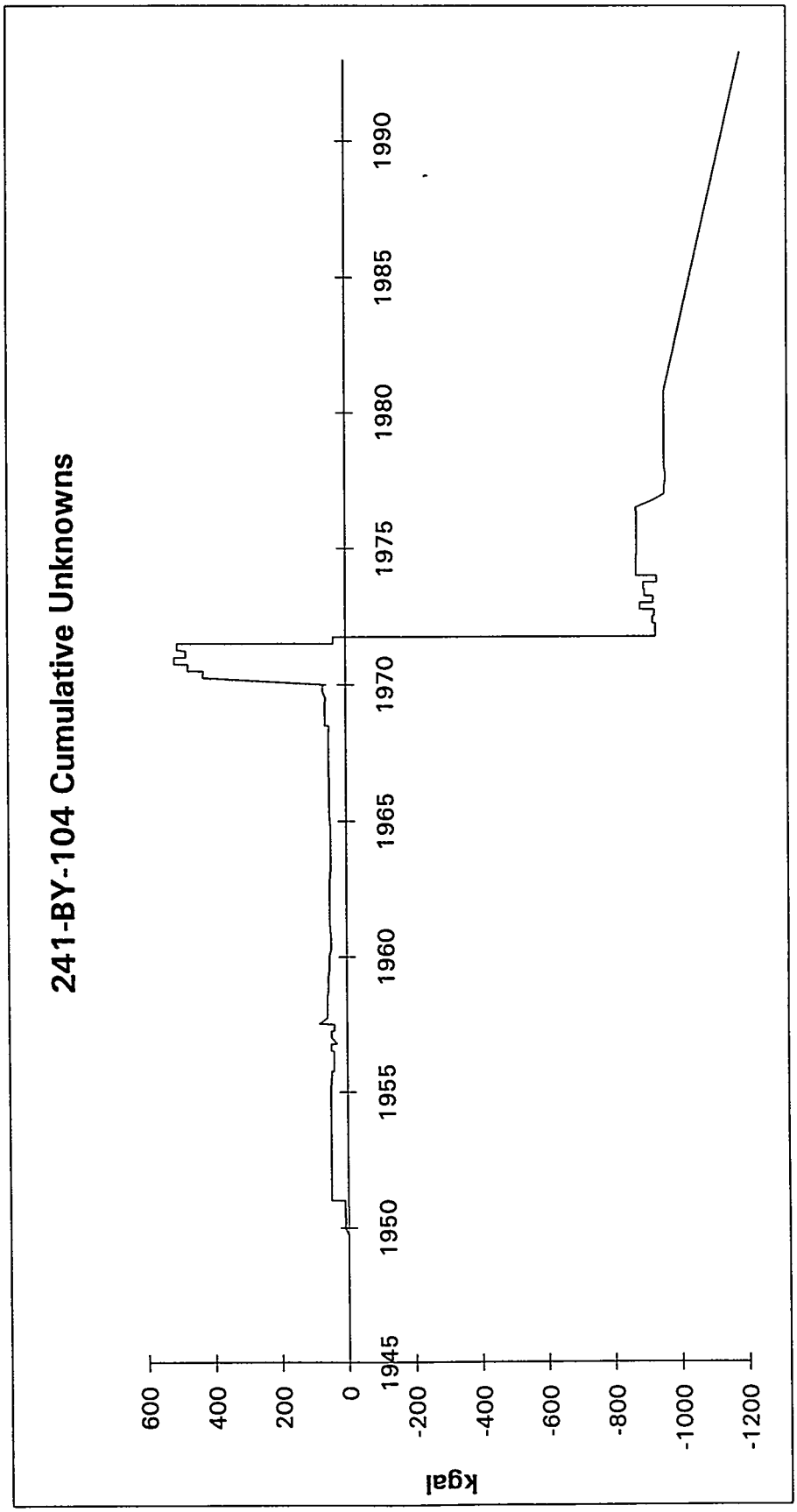

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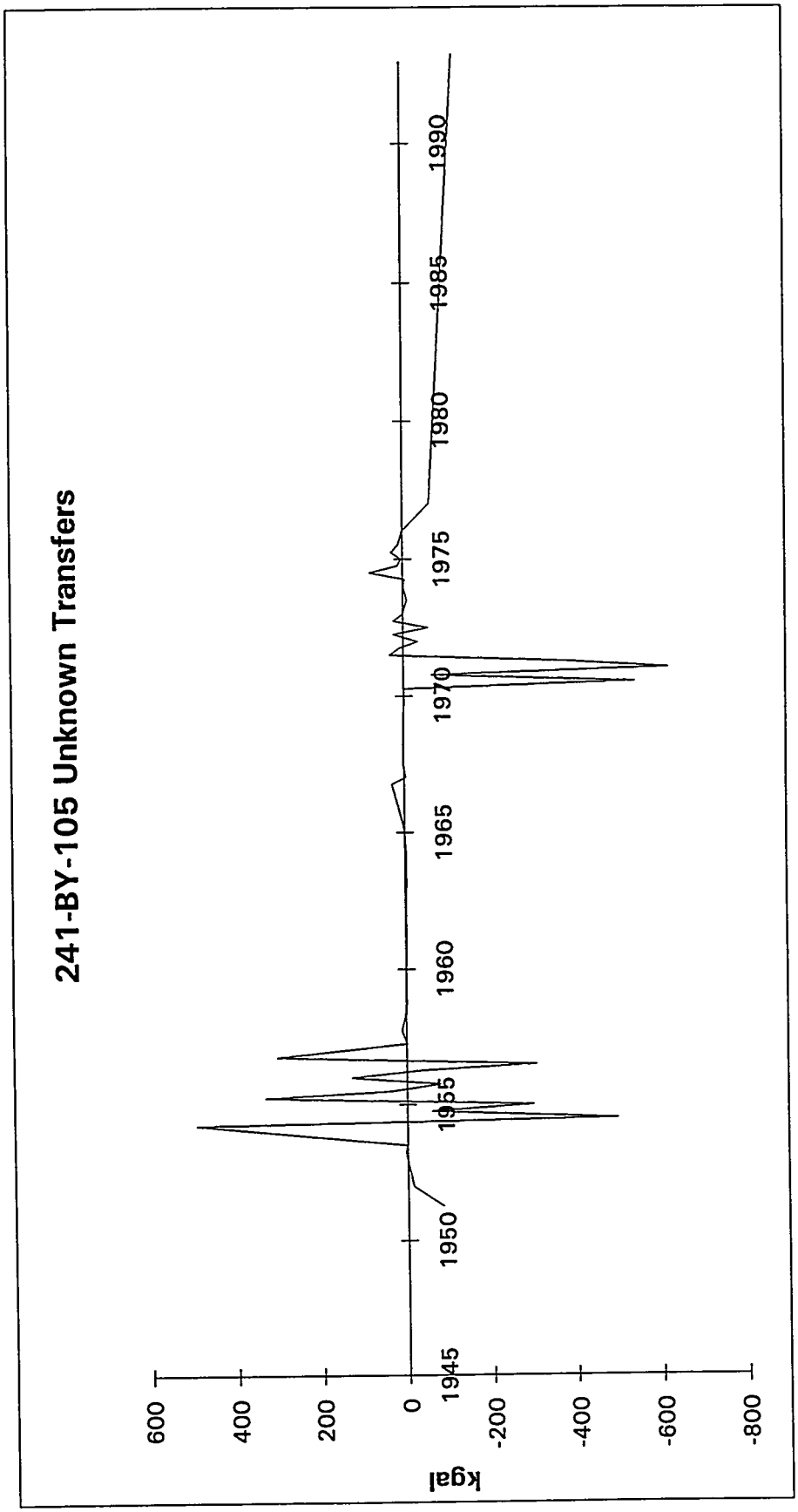

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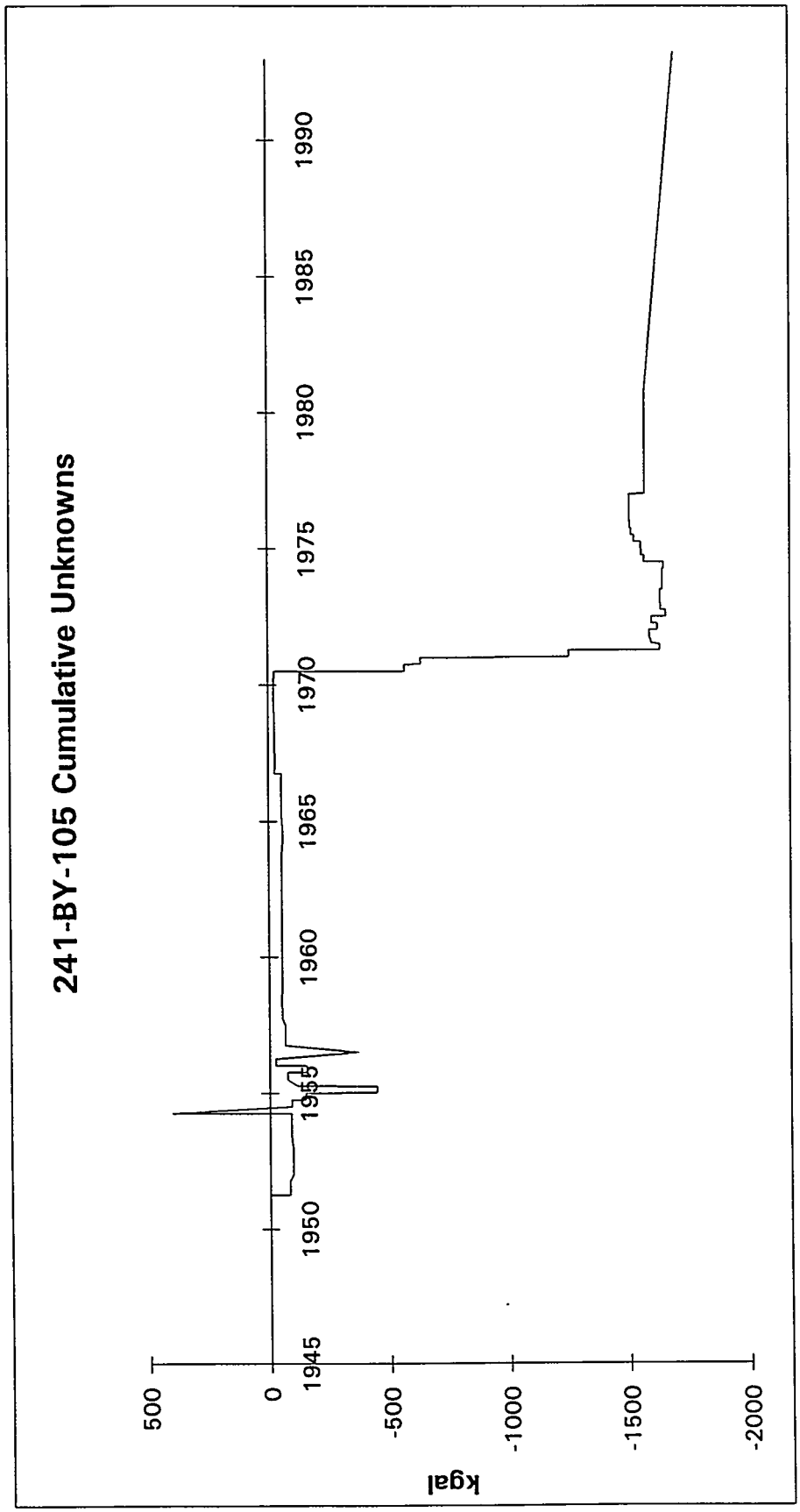

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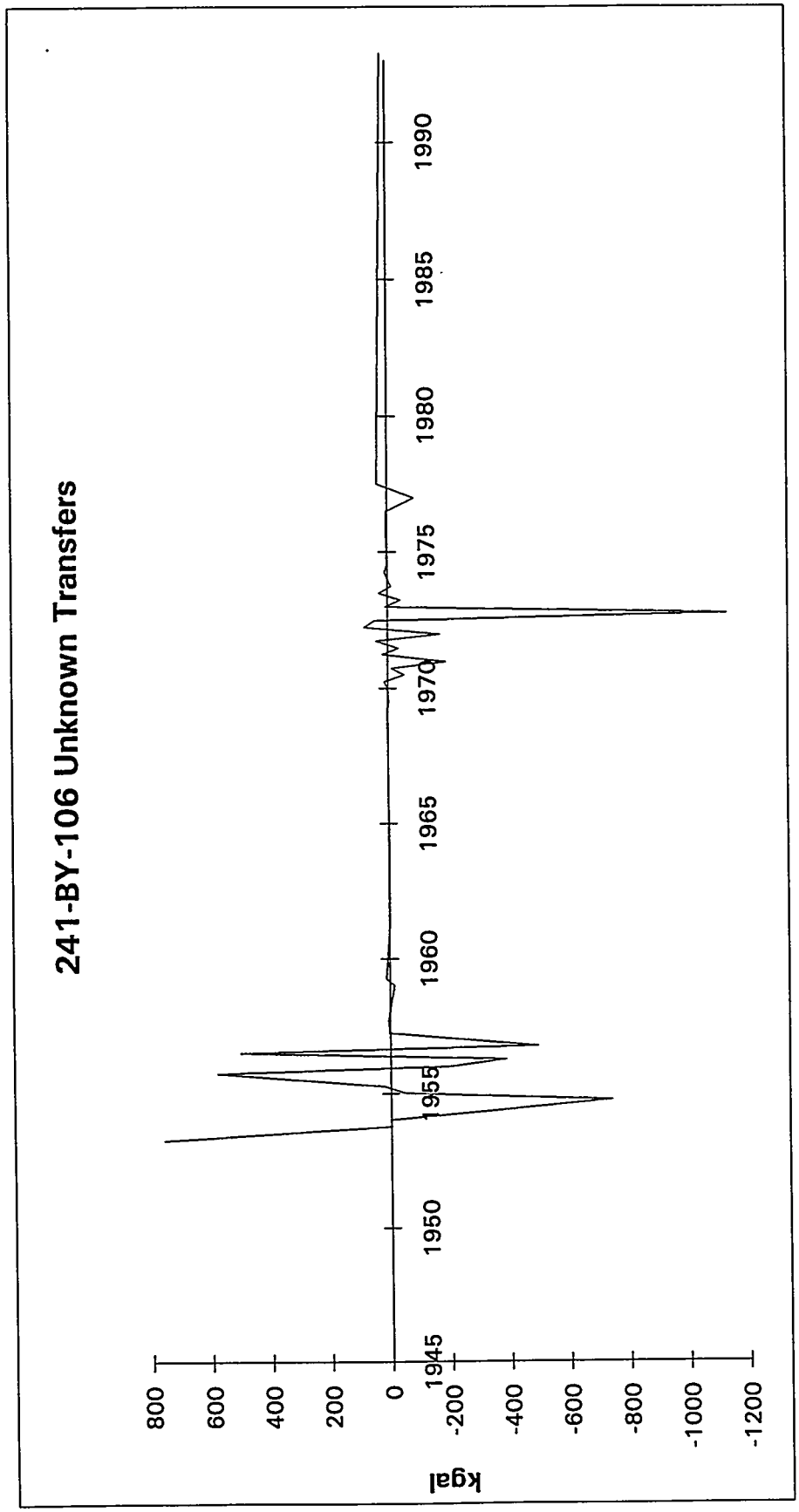

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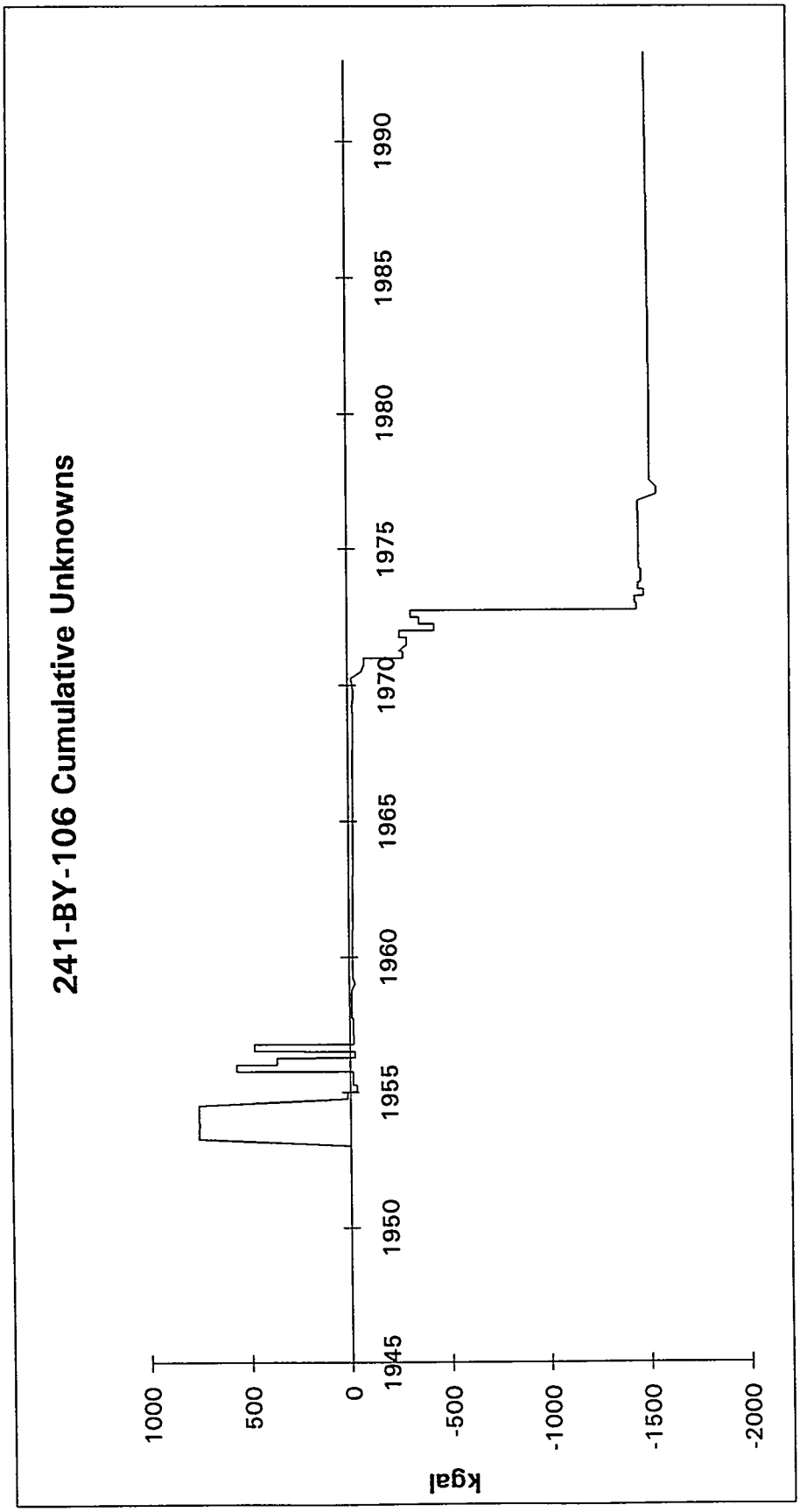

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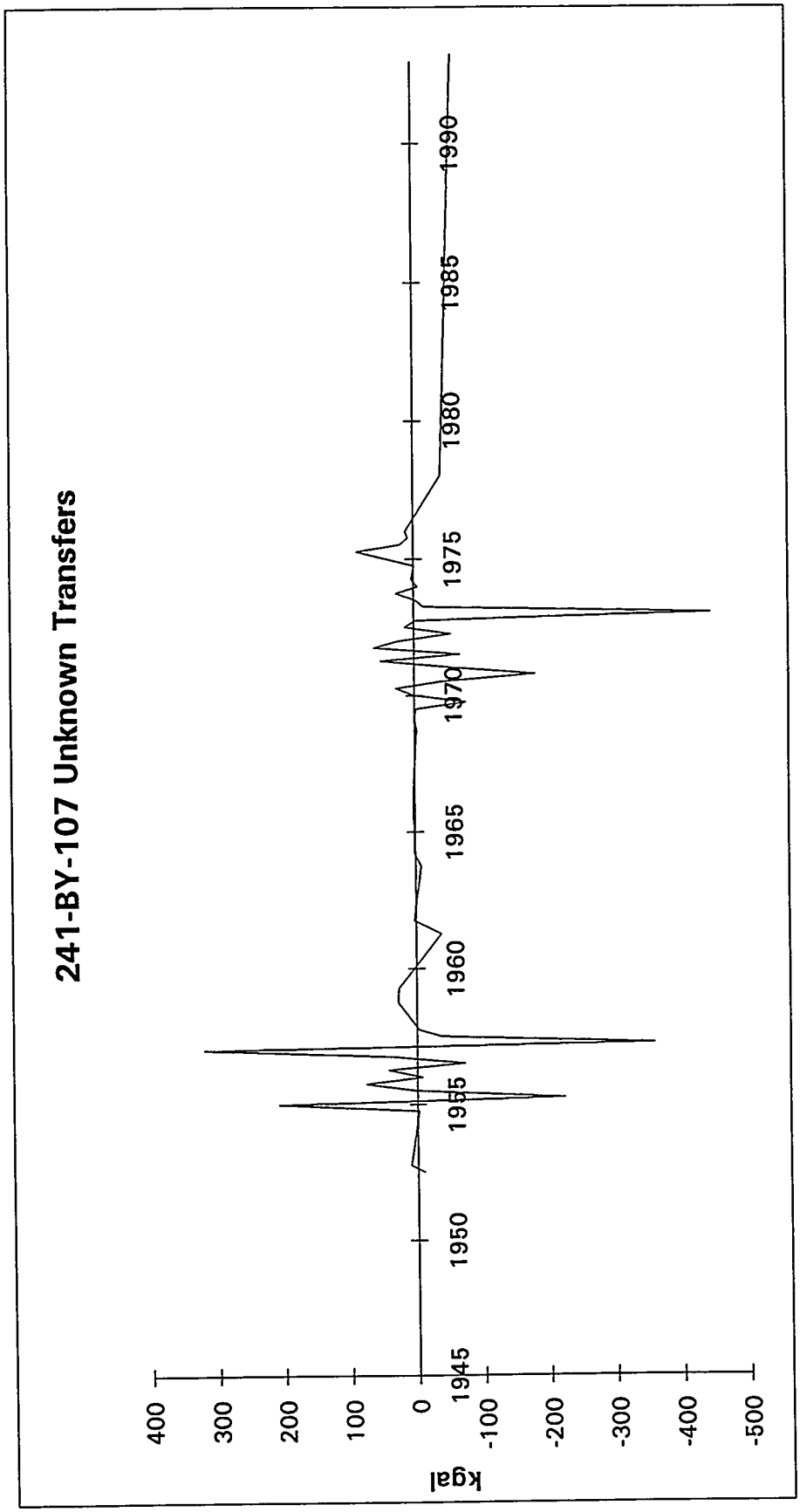

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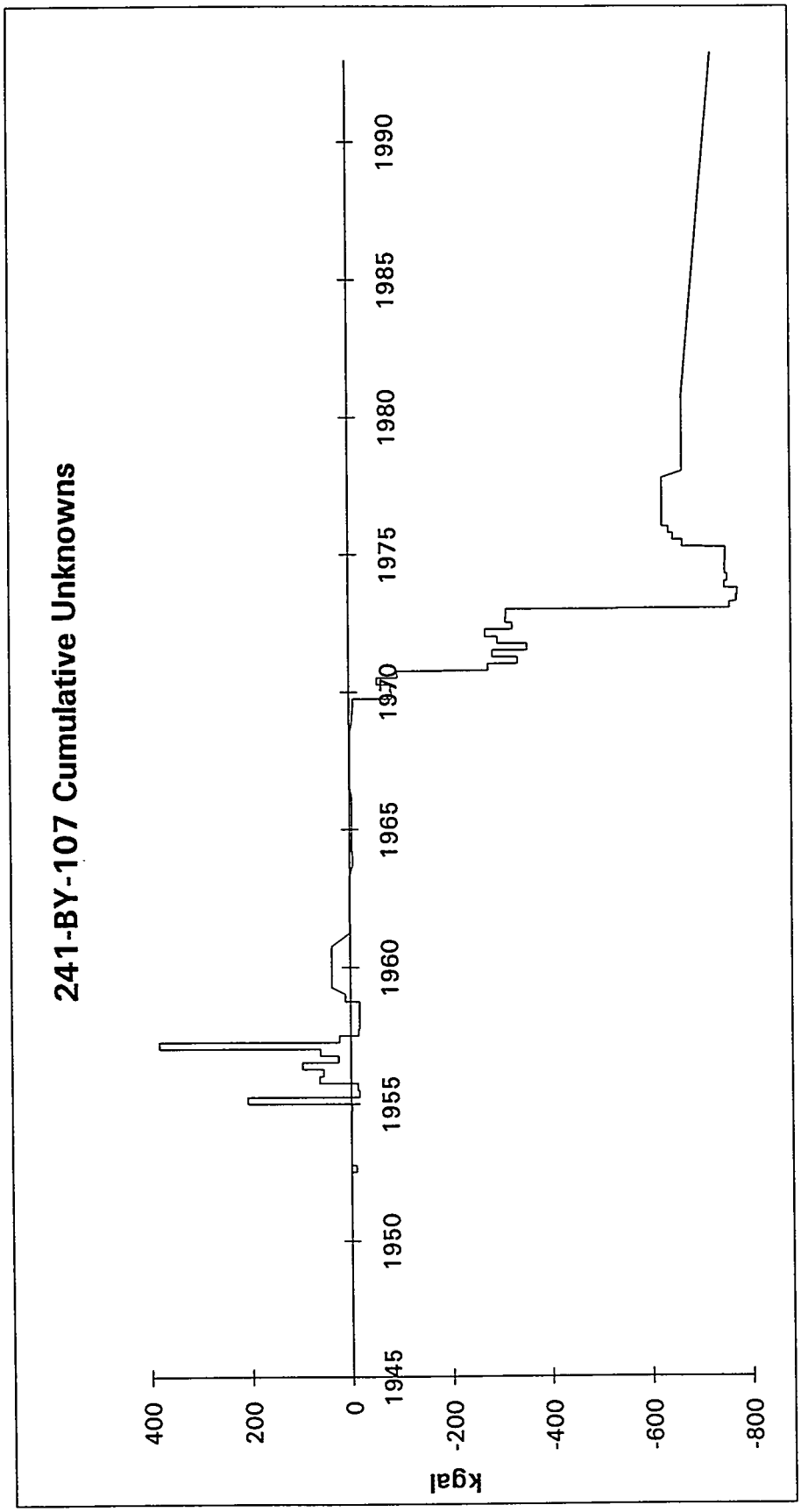

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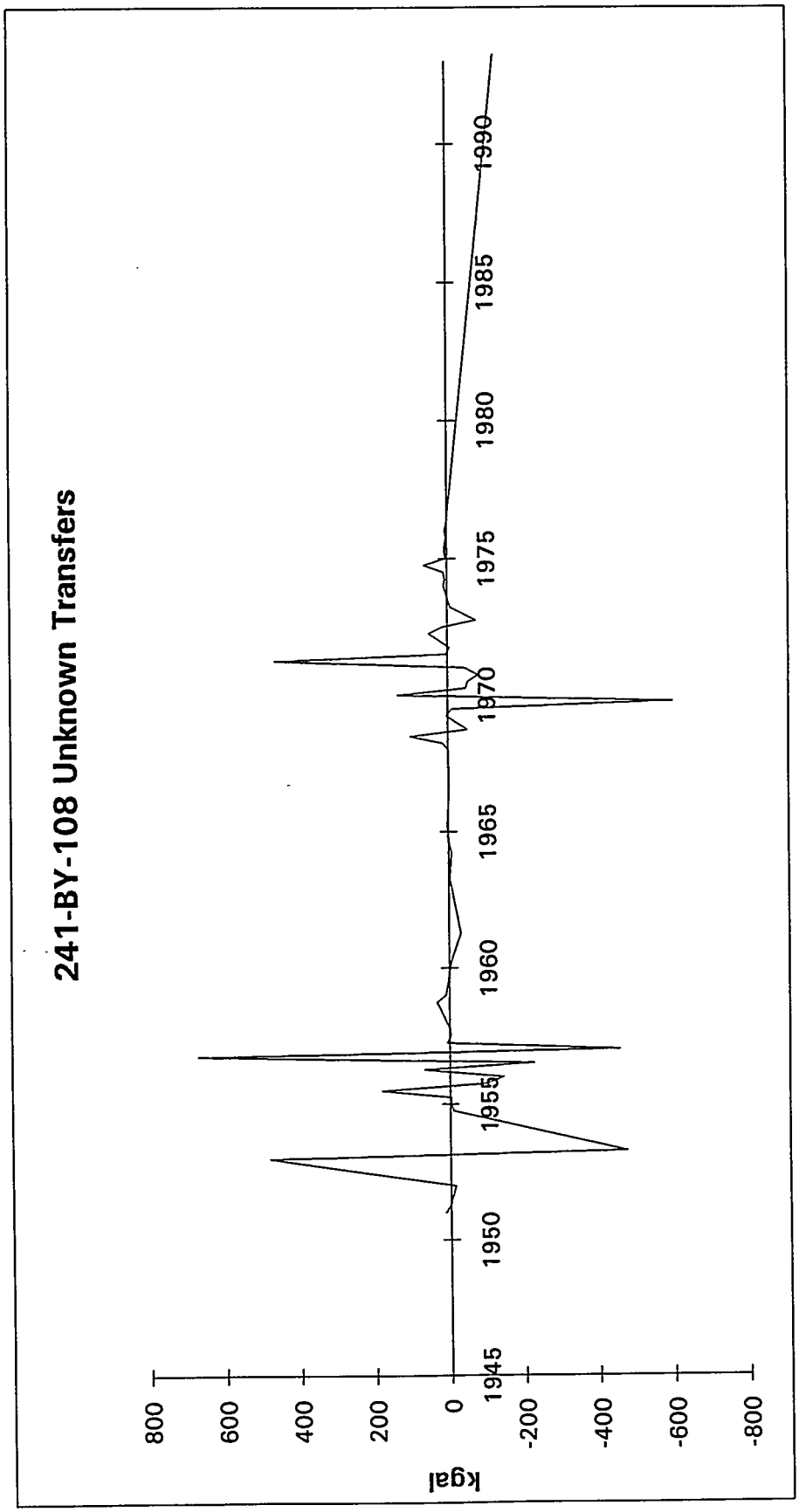

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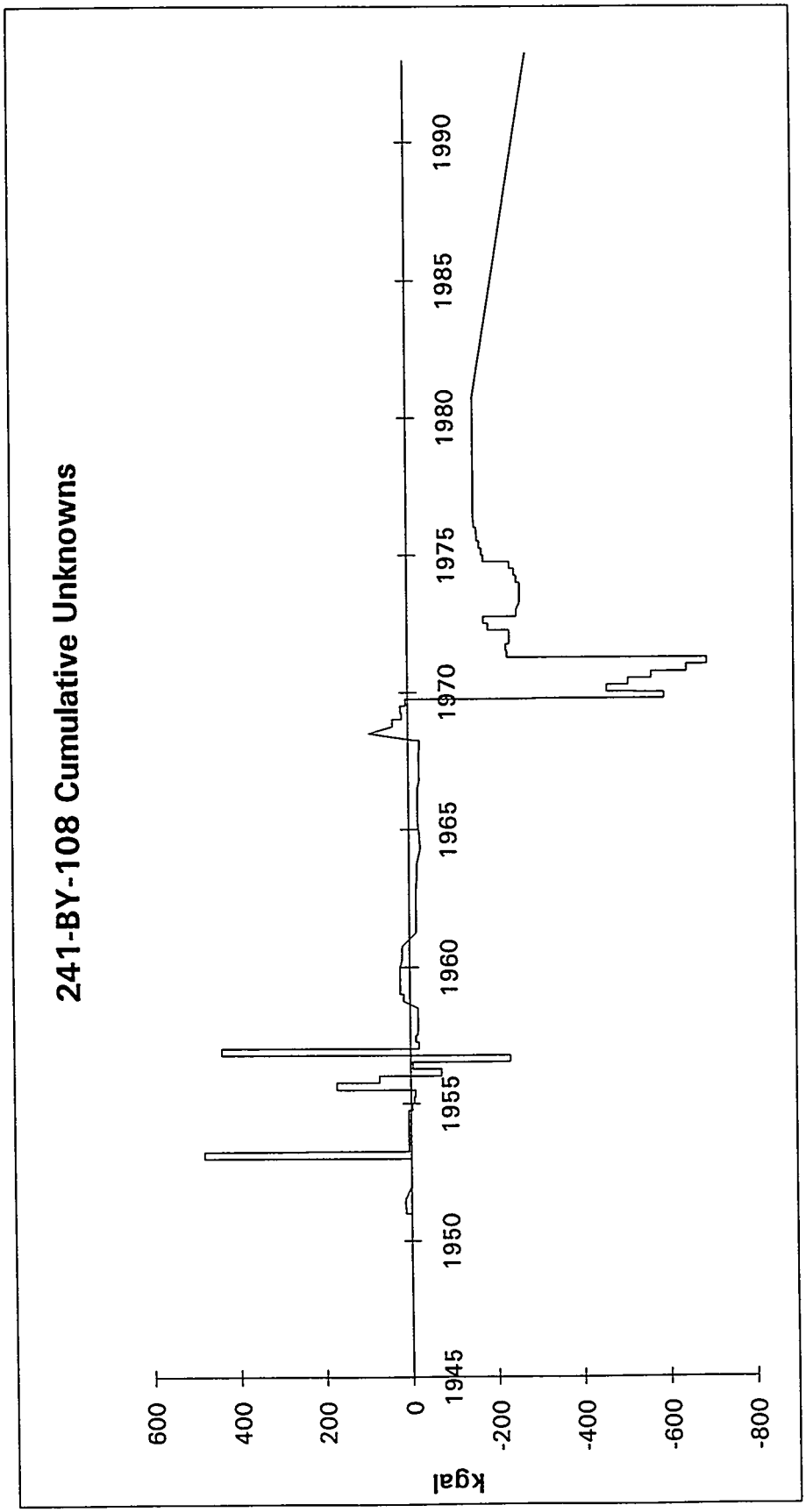

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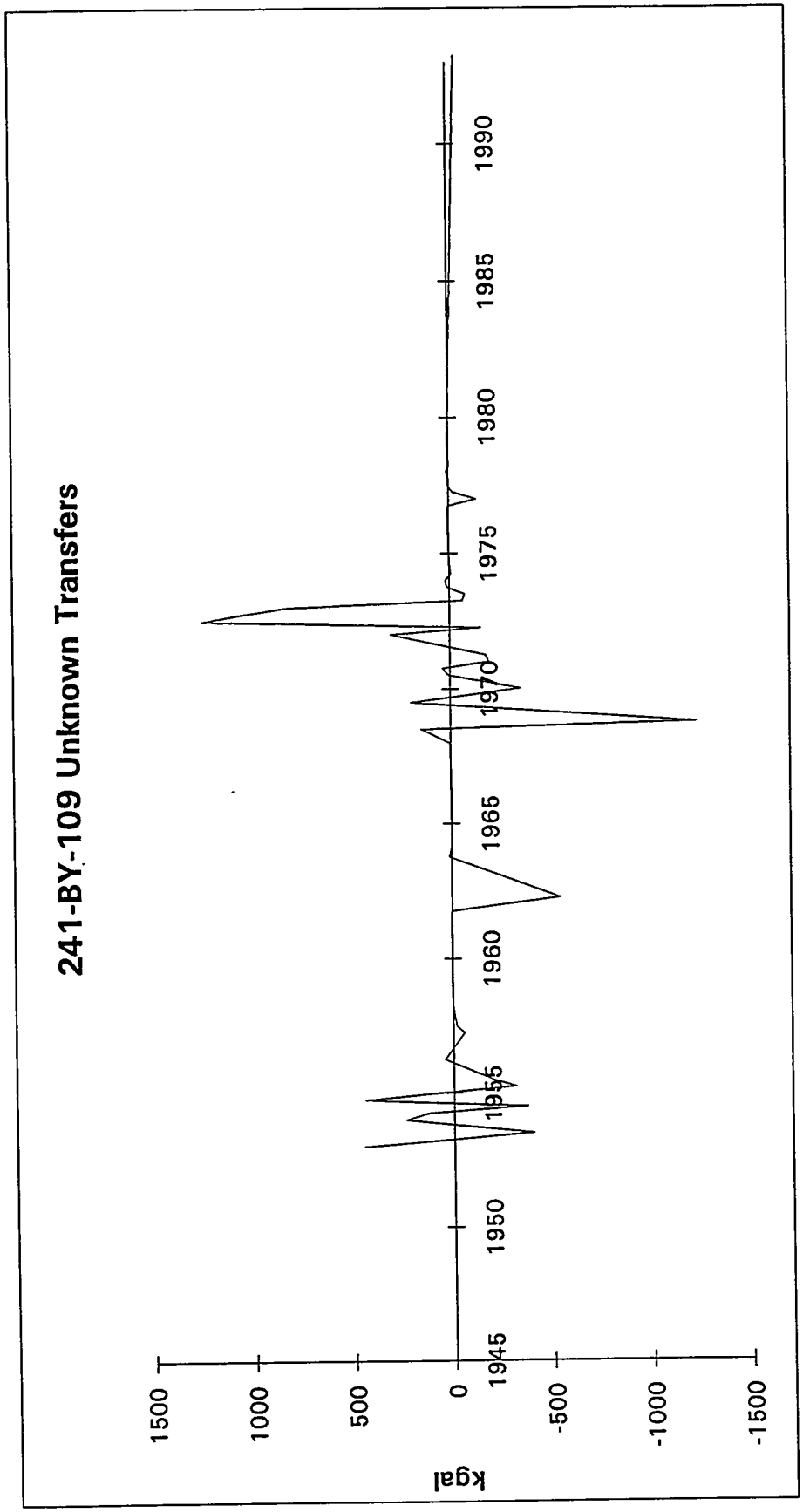

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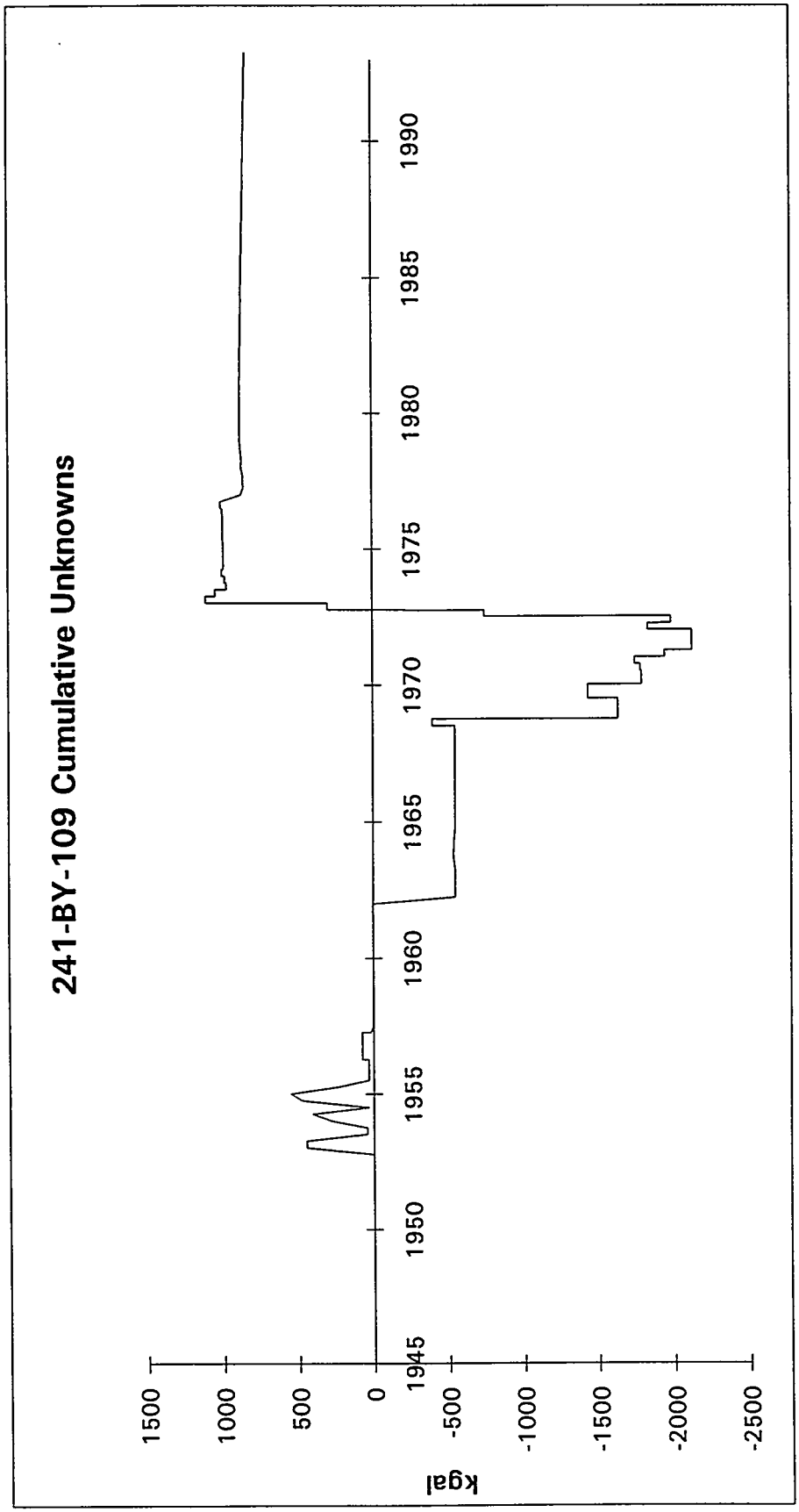

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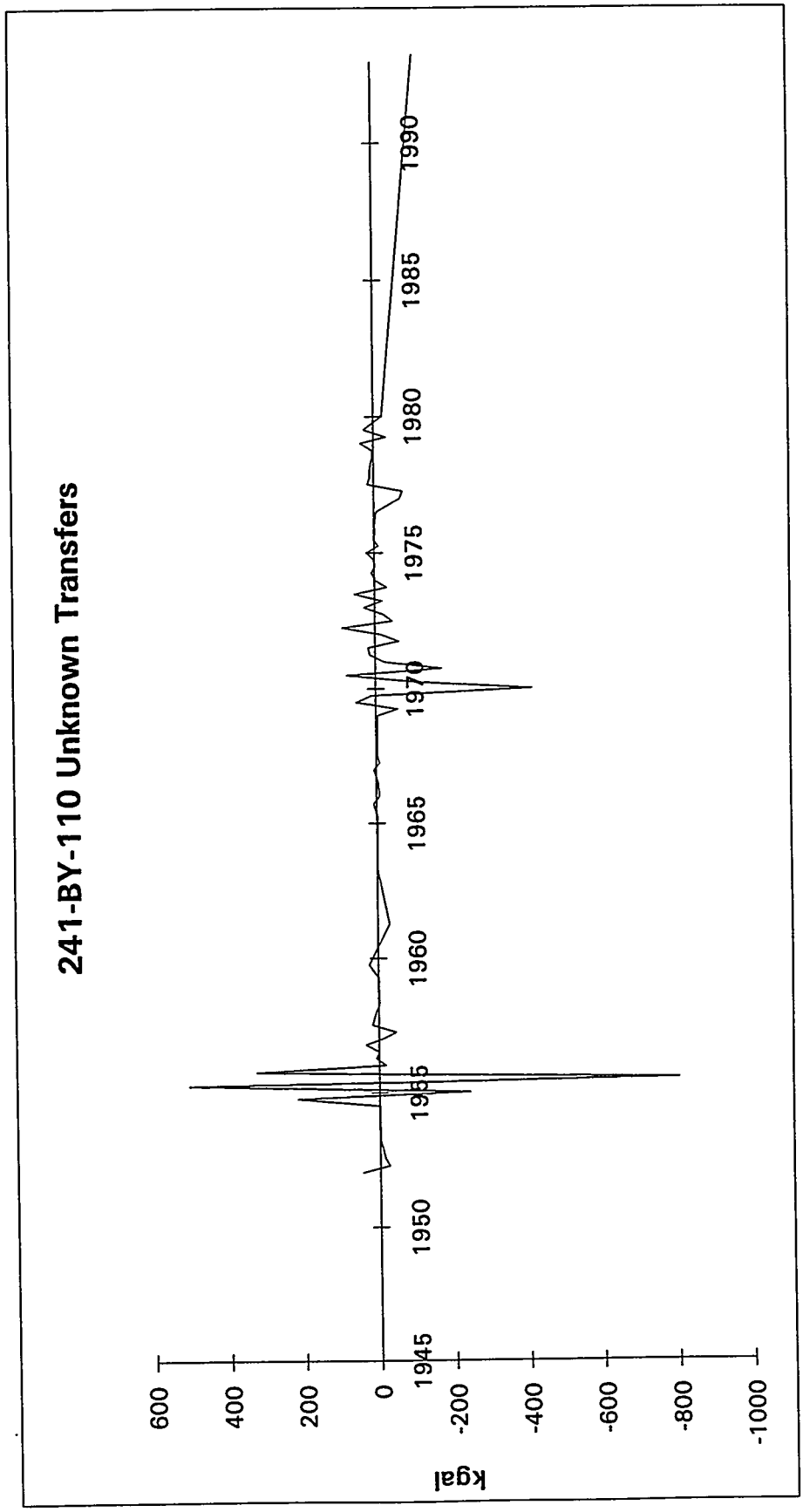

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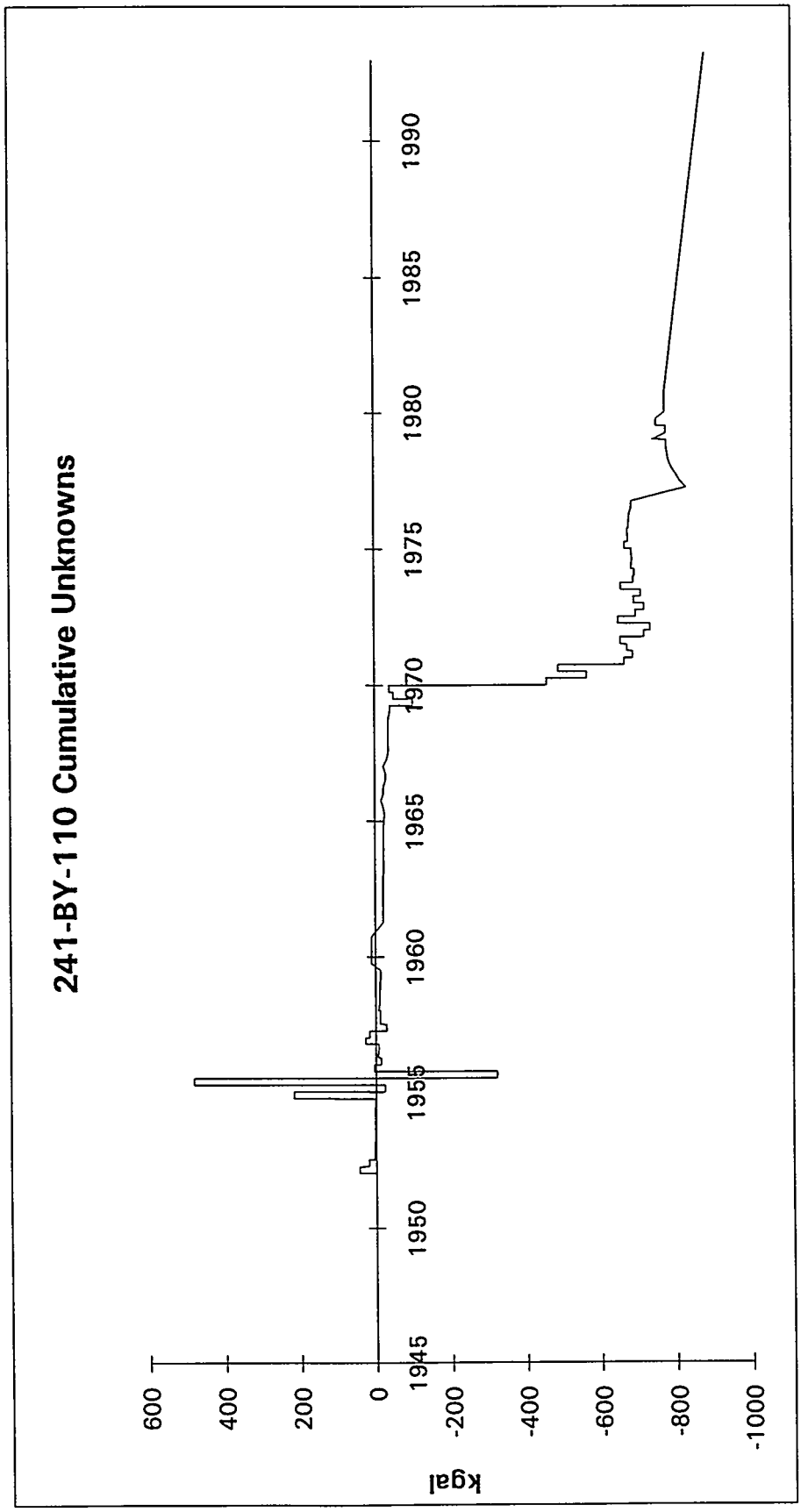

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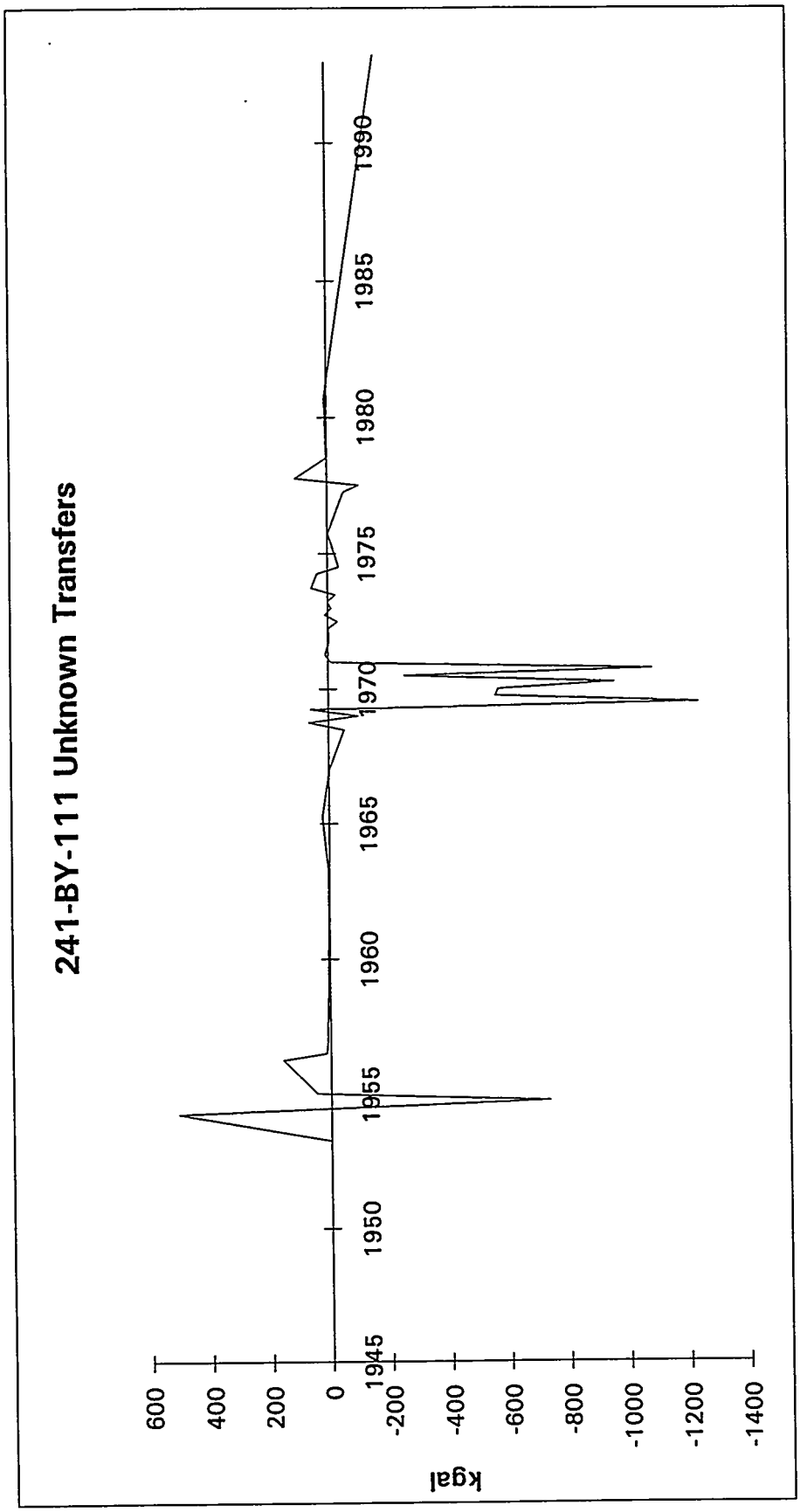

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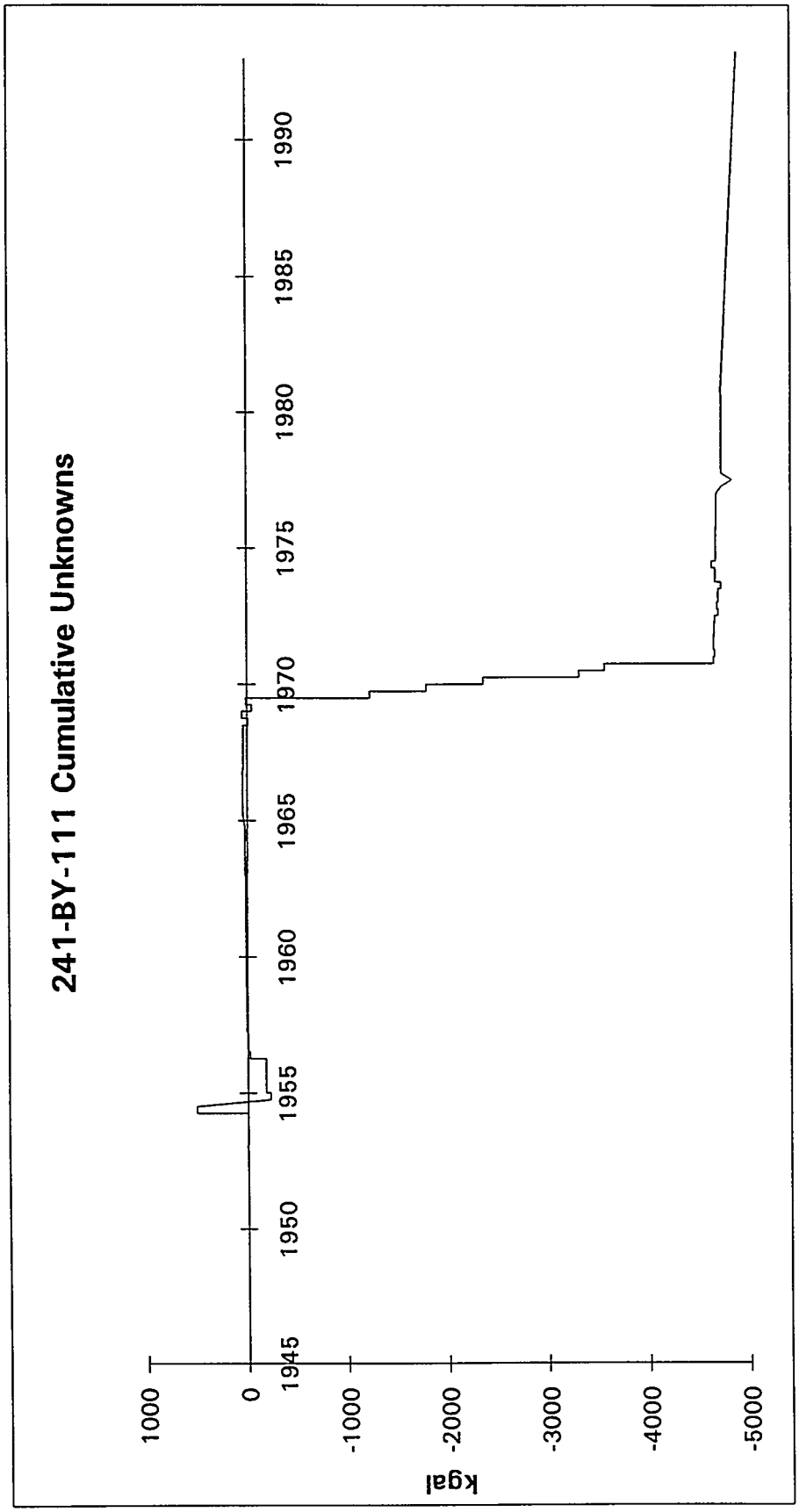

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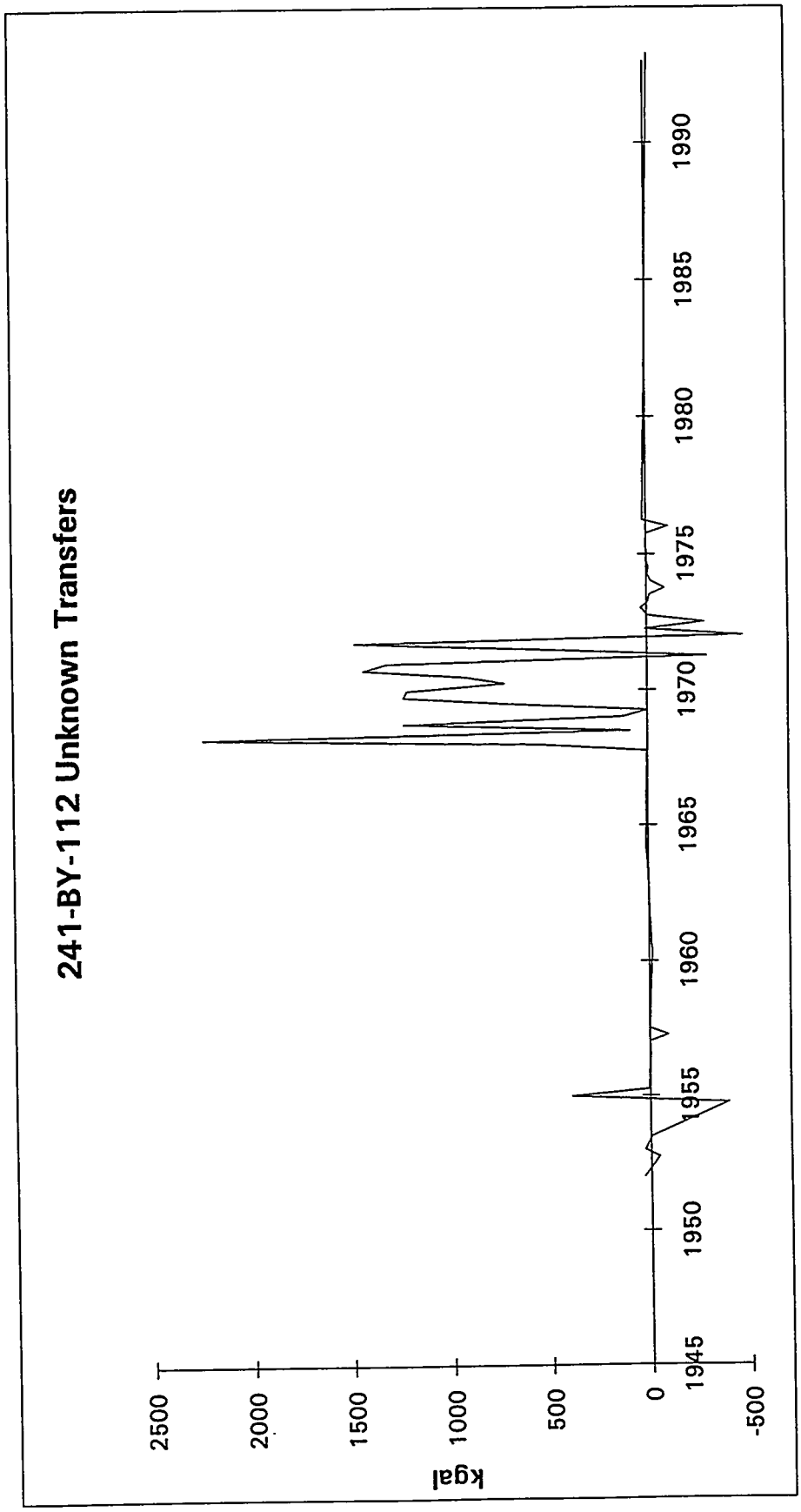

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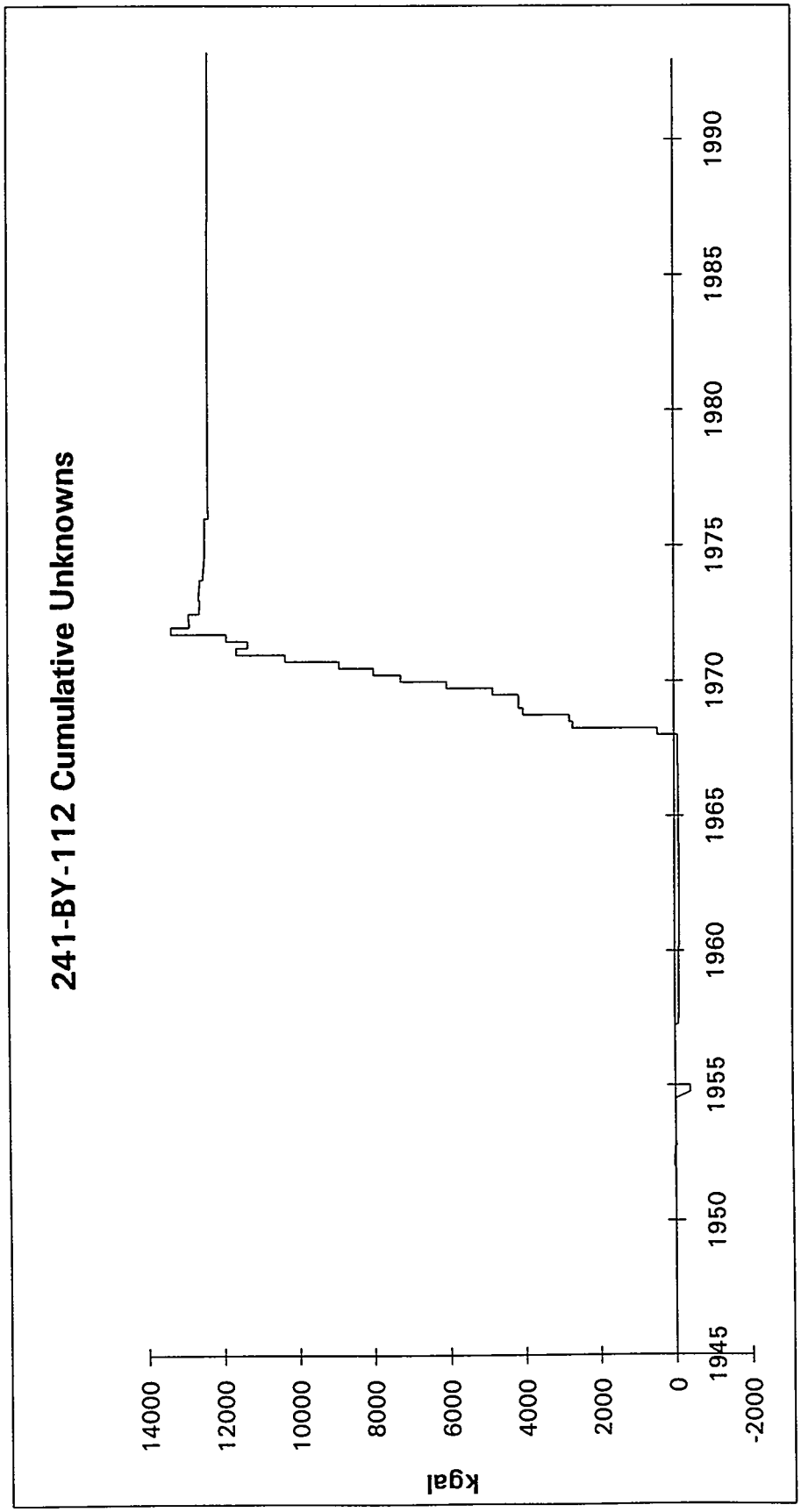

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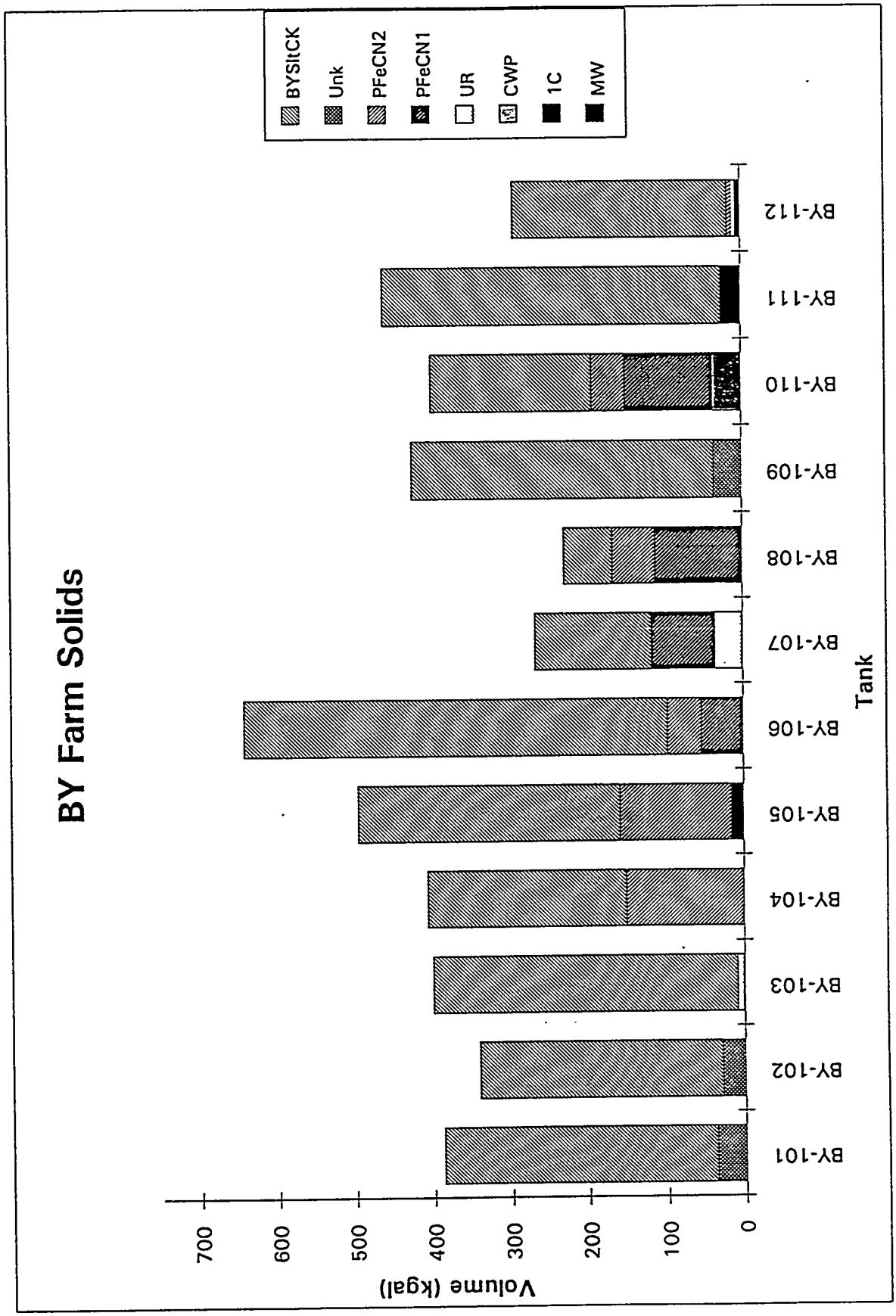

Derived from LANL Waste Status and Transaction Record Summary V2.0b (Agnew 1994)

Tank	Year	Qtr	Meas. Solids	Solids Change	Predicted Layer	Layer Type	Waste Volume (K Gal)
BY-101	1963	2	37	37	37	unk	
	1967	3	109				
	1967	4	376				
	1968	1	378				
	1968	4	29				
	1969	1	281				
	1969	2	274				
	1969	3	310				
	1969	4	332				
	1970	1	337				
	1970	4	340				
	1971	2	386				
	1971	4	398				
	1972	3	418				
	1974	4	398				
	1977	2	439				
	1993	2	387	350	350	BYSltCk	
BY-102	1957	3	18	18	18	Unk	
	1963	2	29	11	11	Unk	
	1968	3	314				
	1968	4	250				
	1971	2	155				
	1972	1	197				
	1972	4	246				
	1973	1	194				
	1973	4	208				
	1974	4	200				
	1977	2	233				
	1977	3	436				
	1978	2	417				
	1993	2	341	312	312	BYSltCk	

Derived from LANL Waste Status and Transaction Record Summary V2.0b (Agnew 1994)

Tank	Year	Qtr	Meas. Solids	Solids Change	Predicted Layer	Layer Type	Waste Volume (K Gal)
BY-103	1963	2	21				
	1966	3		34		CWP	1161
	1969	1	8				
	1969	3	1				
	1969	4	8				
	1970	1	3				
	1970	2	4				
	1970	4	9	-25	9	CWP	
	1971	1	65				
	1971	2	128				
	1971	3	142				
	1971	4	202				
	1972	1	298				
	1972	2	351				
	1972	3	428				
	1973	1	469				
	1973	3	458				
	1974	3	469				
	1974	4	461				
	1980	4	458				
	1993	2	400	391	391	BYSltCK	

Derived from LANL Waste Status and Transaction Record Summary V2.0b (Agnew 1994)

Tank	Year	Qtr	Meas. Solids	Solids Change	Predicted Layer	Layer Type	Waste Volume (K Gal)
BY-104	1956	3	303			PFeCN/2	317
	1956	4	323				
	1957	2	277				
	1957	3	244				
	1963	2	263			PFeCN/2	226
	1965	2	227	227		PFeCN/2	
	1967	2	205				
	1967	3	244				
	1968	2	212				
	1969	1	244				
	1969	2	233				
	1969	3	244				
	1969	4	240				
	1970	1	206				
	1970	2	44				
	1970	3	112				
	1970	4	131				
	1971	1	150	-77	150	PFeCN/2	
	1971	3	425				
	1971	4	618				
	1972	3	310				
	1973	1	469				
	1973	4	628				
	1974	1	469				
	1977	3	623				
	1993	2	406	256	256	BYSltCk	

Derived from LANL Waste Status and Transaction Record Summary V2.0b (Agnew 1994)

Tank	Year	Qtr	Meas. Solids	Solids Change	Predicted Layer	Layer Type	Waste Volume (K Gal)
BY-105	1954	4	14				
	1955	1	16	16	16	MW	
	1955	4				PFeCN1	91
	1956	1	350				51
	1956	2				PFeCN2	245
	1956	2	384				
	1957	3	213				
	1963	2	222	206		PFeCN2	
	1965	2	186				
	1967	3	39				
	1967	4	88				
	1968	3	158	-64	142	PFeCN2	
	1969	1	165				
	1969	2	153				
	1969	3	194				
	1969	4	189				
	1970	1	191				
	1970	2	216				
	1970	3	299				
	1971	1	340				
	1971	2	469				
	1971	4	653				
	1972	3	591				
	1973	1	628				
	1974	4	626				
	1977	1			337	BYSltCk	
	1993	2	503	-345	8	Cem	8

Derived from LANL Waste Status and Transaction Record Summary V2.0b (Agnew 1994)

Tank	Year	Qtr	Meas. Solids	Solids Change	Predicted Layer	Layer Type	Waste Volume (K Gal)
BY-106	1955	1		54		PFeCN1	1461
	1955	1	40				
	1955	2	107		54	PFeCN1	
	1955	4	120				
	1956	1	150				
	1956	2	180				
	1956	3	164				
	1956	4	168				-179
	1957	1		154		PFeCN2	4810
	1957	1	111	-97		PFeCN2	
	1963	2	150				
	1965	2	103				
	1969	1	105				
	1969	2	93				
	1969	3	96				
	1969	4	95				
	1970	1	103				
	1970	2	96				
	1970	3	98	-13	44	PFeCN2	
	1970	4	164				
	1971	1	249				
	1971	2	288				
	1972	1	296				
	1972	4	563				
	1973	1	447				
	1973	2	494				
	1974	4	420				
	1975	2	351				
	1977	1	593				
	1977	3	626				
	1993	2	642	544	544	BYSltCK	

Derived from LANL Waste Status and Transaction Record Summary V2.0b (Agnew 1994)

Tank	Year	Qtr	Meas. Solids	Solids Change	Predicted Layer	Layer Type	Waste Volume (K Gal)
BY-107	1951	3		376		1C	1511
	1953	1	1	-375	1	1C	-757
	1953	2		35		UR	711
	1954	3	44	8	34	UR	
	1954	4	1	-9			
	1955	1	72				
	1955	2	45				
	1955	3		145		PFeCN1	3916
	1955	3	142				
	1955	4	147	-33		PFeCN1	
	1956	1	160				
	1956	2	168				
	1956	3	87				-191
	1956	4	150				
	1957	2		186		PFeCN2	5797
	1957	3	178				
	1957	4	172				
	1958	4	150				
	1963	2	178				
	1965	2	150	115		PFeCN2	
	1970	1	58				
	1970	2	61				
	1970	3	43				
	1970	4	106				
	1971	1	117	-33	82	PFeCN1	
	1973	1	175				
	1974	2	444				
	1974	4	183				
	1975	1	367				
	1978	1	326				
	1993	2	266	149	149	BYSltCK	

Derived from LANL Waste Status and Transaction Record Summary V2.0b (Agnew 1994)

Tank	Year	Qtr	Meas. Solids	Solids Change	Predicted Layer	Layer Type	Waste Volume (K Gal)
BY-108	1955	1	33				
	1955	2	98				
	1955	3	197				
	1955	4		112	112	PFeCN1	3018
	1955	4					-91
	1955	4	200				
	1956	1	205				
	1956	2	179				
	1956	3	194				
	1956	4	201				-256
	1957	1		183		PFeCN2	5727
	1957	2	249				
	1957	3	213				-64
	1957	4	210				
	1963	2	202	-93			
	1965	2	178				
	1968	3	125				
	1969	1	165	-37	53	PFeCN2	
	1969	2	222				
	1969	3	194				
	1969	4	233				
	1970	1	224				
	1970	2	176				
	1970	3	194				
	1970	4	65				
	1971	1	98				
	1971	2	385				
	1971	3	388				
	1971	4	381				
	1972	4	304				
	1974	4	359				
	1993	2	228	63	63	BYSltCK	

Derived from LANL Waste Status and Transaction Record Summary V2.0b (Agnew 1994)

Tank	Year	Qtr	Meas. Solids	Solids Change	Predicted Layer	Layer Type	Waste Volume (K Gal)
BY-109	1956	3	36	36	36	Unk	
	1956	4	66				
	1957	3	46				
	1963	2	76				
	1965	2	57				
	1968	3	37				
	1968	4	54				
	1969	1	72				
	1969	2	87				
	1969	3	79				
	1969	4	114				
	1970	1	190				
	1970	2	120				
	1970	3	128				
	1970	4	142				
	1971	1	150				
	1971	2	128				
	1971	4	153				
	1972	2	222				
	1972	3	260				
	1972	4	334				
	1973	1	381				
	1973	2	398				
	1973	4	411				
	1974	2	433				
	1974	4	425				
	1977	2	433				
	1993	2	423	387	387	BYSltCk	

Derived from LANL Waste Status and Transaction Record Summary V2.0b (Agnew 1994)

Tank	Year	Qtr	Meas. Solids	Solids Change	Predicted Layer	Layer Type	Waste Volume (K Gal)
BY-110	1952	3		181		1C	728
	1954	4	51	-144	37	1C	
	1955	1	121				
	1955	2	85				
	1955	3		114		PFeCN1	3094
	1955	4	148	-3	111	PFeCN1	
	1956	1	150				
	1956	3	211				
	1956	4	229				-189
	1957	1	210				
	1957	2	205				
	1957	2		185		PFeCN2	5777
	1957	3	211				
	1957	4	210	-123			
	1963	2	246				
	1965	2	230				
	1969	2	189				
	1969	3	123				
	1970	1	201				
	1970	2	190	-20	42	PFeCN2	
	1970	3	211				
	1970	4	277				
	1974	4	296				
	1977	1	376				
	1977	3	469				
	1980	1	505				
	1993	2	398	208	208	BYSltCk	

Derived from LANL Waste Status and Transaction Record Summary V2.0b (Agnew 1994)

Tank	Year	Qtr	Meas. Solids	Solids Change	Predicted Layer	Layer Type	Waste Volume (K Gal)
BY-111	1952	1		42		MW	964
	1952	4		3		UR	55
	1955	1					390
	1955	3					-630
	1957	1	26	-19	26	MW	
	1963	2	24				
	1965	2	26				
	1967	4					13
	1968	3	145				
	1969	1	48				
	1969	2	52				
	1969	3	101				
	1969	4	142				
	1970	1	266				
	1970	2	290				
	1970	3	323				
	1970	4	673				
	1971	2	686				
	1972	1	194				
	1972	2	112				
	1972	3	142				
	1974	4	299				
	1977	3	510				
	1977	4	615				
	1980	4	622				
	1993	2	459	433	433	BYSltCk	

Derived from LANL Waste Status and Transaction Record Summary V2.0b (Agnew 1994)

Tank	Year	Qtr	Meas. Solids	Solids Change	Predicted Layer	Layer Type	Waste Volume (K Gal)
BY-112	1952	3		6	6	MW	126
	1955	1					-390
	1957	2		6	6	PFeCN2	172
				5	5	UR	93
	1963	2	29	12			
	1965	2	24				
	1967	4					4
	1968	2	17	-12			
	1968	3	2				
	1969	1	43				
	1969	2	59				
	1969	3	79				
	1970	1	85				
	1970	2	94				
	1970	3	145				
	1970	4	164				
	1971	1	255				
	1971	2	59				
	1971	3	166				
	1971	4	194				
	1972	1	263				
	1972	2	334				
	1972	4	315				
	1973	1	288				
	1973	3	311				
	1973	4	331				
	1974	4	310				
	1993	2	291	274	274	BYSltCk	

Derived from LANL Waste Status and Transaction Record Summary V2.0b (Agnew 1994)