Stat 4 (3)

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16. KEY

Approval Designator (F)	Reason for Transmittal (G)	Disposition (H) & (I)
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17. SIGNATURE/DISTRIBUTION (See Approval Designator for required signatures)

(G) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN	(J) Name	(K) Signature	(L) Date	(M) MSIN	(G) Reason	(H) Disp.
2	1	Cog. Engr. E. Biebesheimer		9/20/96	R2-52	J.H. Wicks *			R2-50	3	
2	1	Cog. Mgr. C.L. Day-Phalen			R2-52	S. Ailes			R2-52	3	
						G.L. Bennett			B1-14	3	
						* EDT only; copy will be available as electronic file--see receivers remarks.					

18.	19.	20.	21. DOE APPROVAL (if required) Ctrl. No.
E. Biebesheimer 9/20/96 Signature of EDT Originator Date	C.L. Day-Phalen 9/26/96 Authorized Representative for Receiving Organization Date	C.L. Day-Phalen 9/26/96 Cognizant Manager Date	[] Approved [] Approved w/comments [] Disapproved w/comments

BD-7400-172-1

3.1 Management Systems

Functional Area Owner Approval :

F. O. Strankman, 9/26/96
Date

3.2 Quality Assurance

Functional Area Owner Approval :

J. W. Hagan / 9/25/96
J. Hagan Date

3.3 Configuration Management

Functional Area Owner Approval :

S. Rifaey _____ 9/26/96
ate

3.4 Training & Qualification

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Functional Area Owner Approval :

T. L. Jennings / 9/11/96
Date

3.5 Emergency Preparedness

EDT619336
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Functional Area Owner Approval :

R. J. Shupe, 9-16-96

R. J. Shupe — Date

3.6 Safeguards & Security

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Functional Area Owner Approval :

F. O. Strankman, 9/26/96
Date

Functional Area Owner Approval :

SZ _____ / 9/26/96
S. Rifaey Date

3.8 Construction

EDT 619336
PG 9 OF 21

Functional Area Owner Approval :

R. L. Nelson, 9/9/96

R. L. Nelson — Date

3.9 Operations

Functional Area Owner Approval :

W. E. Ross, 9/26/96
Date

3.10 Maintenance

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Functional Area Owner Approval :

D. P. Kerwick / 9/10/86
Date

TWRS Radiation Protection
S/RIDS Requirements Status

S/RID Element	Number of Reqs.	Number Inc.	Number App.	Number Discrepant	Not App.
11.1	56	56	56	0	0
11.2	13	13	13	0	0
11.3	18	18	18	0	0
11.4	45	45	45	0	0
11.5	30	30	30	0	0
11.6	39	39	39	0	0
11.7	0	0	0	0	0
11.8	12	11	11	0	1

S. Bump 3/28/96 C. Caldwell for J. Garcia 3/29/96

D. Bracamontes 3/28/96 D. Medley Duane Medley 3/28/96

3.12 Fire Protection

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Functional Area Owner Approval :

L. M. Calderon 9-20-96
L. M. Calderon Date

Functional Area Owner Approval :

L. A. Garner, 9/10/96
Date

3.14 Environmental Restoration

Currently there are no requirements contained within this functional area.

Functional Area Owner Approval :

L. A. Garner, 9/9/96

L. A. Garner — Date

3.15 Decontamination & Decommissioning

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Currently there are no requirements within this functional area.

Functional Area Owner Approval :

L. A. Garner, 9/9/96

L. A. Garner — Date

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Functional Area Owner Approval :

LA Garner, 9/10/96

L. A. Garner — Date

3.17 R&D / Experimental Activities

Currently there are no requirements within this functional area.

Functional Area Owner Approval :

S. Rifaey / 9/26/96
Date

3.18 Nuclear Safety

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Functional Area Owner Approval :

J. J. Klos / 9/9/96
Date

3.19 Occupational Safety and Health

Functional Area Owner Approval :

L. M. Calderon 9-27-96

L. M. Calderon Date

Functional Area Owner Approval :

L. A. Garner / 9/10/96
L. A. Garner Date

High Level Waste Storage Tank Farms/242-A Evaporator Standards/Requirements Identification Document Phase 1 Assessment Report

E. Biebesheimer
Westinghouse Hanford Company, Richland, WA 99352
U.S. Department of Energy Contract DE-AC06-87RL10930

EDT/ECN: 619336 UC: 2030
Org Code: 77850 Charge Code: N1565
B&R Code: EW3120071 Total Pages: 402

Key Words: S/RID, Phase 1, Compliance Assessment, Requirements Management.

Abstract: This document, the Standards/Requirements Identification Document (S/RID) Phase 1 Assessment Report for the subject facility, represents the results of an Administrative Assessment to determine whether S/RID requirements are fully addressed by existing policies, plans or procedures. It contains; compliance status, remedial actions, and an implementing manuals report linking S/RID elements to requirement source to implementing manual and section.

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Release Approval 9/30/96 Date

DATE:
STA: 4
ID:
SEP 3 0 1996
Release Stamp

Approved for Public Release

CONTENTS

The High-Level Waste Storage Tank Farms/242-A Evaporator Standards/Requirements Identification Document (S/RID) Phase 1 Assessment Report is comprised of twenty functional areas. Three of the twenty functional areas were evaluated as having functional area nonapplicability. Each functional area follows as a separate chapter, either containing the S/RID Assessment Report or a justification for nonapplicability.

The twenty functional areas listed below follow as chapters.

Chapter	Functional Area
1.	Management Systems
2.	Quality Assurance
3.	Configuration Management
4.	Training and Qualification
5.	Emergency Preparedness
6.	Safeguards & Security
7.	Engineering Design
8.	Construction
9.	Operations
10.	Maintenance
11.	Radiation Protection
12.	Fire Protection
13.	Packaging & Transportation
14.	Environmental Restoration
15.	Decontamination & Decommissioning
16.	Waste Management
17.	R&D/Experimental Activities
18.	Nuclear Safety
19.	Occupational Safety and Health
20.	Environmental Protection

1.0 INTRODUCTION

This report documents the results of a comprehensive requirements based assessment in twenty functional areas in response to the Defense Nuclear Facility Safety Board (DNFSB) Recommendation 90-2. The requirements evaluated are contained in the High Level Storage Tank Farms / 242-A Evaporator Standards/Requirements Identification Document (hereafter, Tank Farm S/RID). The Tank Farm S/RID is controlled as a supporting document (WHC-SD-MP-SRID-001).

The DNFSB Recommendation 90-2 requested that the Department of Energy (DOE) identify specific standards applicable to the design, construction, operation, and decommissioning of defense nuclear facilities, assess the adequacy of these standards for ensuring public health and safety, and then assess the extent to which these standards have been implemented.

The DNFSB Recommendation 90-2 is being implemented through a Tank Farms S/RID program comprised of four elements: 1)requirements development, 2)phase 1 assessment, 3) phase 2 assessment, and 4) requirements maintenance. The first element has been accomplished through the Tank Farm S/RID which is a compilation of appropriate environmental, safety, and health requirements and has been approved by U.S. Department of Energy, Richland Operations Office (RL). This report provides the second element, an assessment to identify the implementing procedures for the Tank Farm S/RID. The Phase 2 assessment provides evidence that controlled procedures are being used to implement the requirements contained within the Tank Farm S/RID. The last element, dealing with requirements management, is the implementation of periodic re-assessments and requirement changes necessitated by newly promulgated requirements or mission changes.

The summary section follows this introduction and contains information developed from the phase 1 assessment. The summary section is followed by detailed functional area reports section. There are detailed reports for the 17 functional areas that contain requirements. Three functional areas currently contain no S/RID requirements: Environmental Restoration, Decontamination & Decommissioning, and R&D/Experimental Activities (Research and Development).

The detailed functional area reports contain the following sections:

Introduction -- The introduction defines the assessment scope, identifies the assessment team, and discusses interfaces with other functional areas. Also included is a description of the assessment process used and a brief summary of the functional area S/RID requirements evaluated.

Summary -- Within the summary section is an overview of the phase 1 assessment results. Discrepant requirements, where present, were discussed in conjunction with compensatory actions taken to mitigate their ramifications. As well, WHC Policies, plans or procedures evaluated during the assessment were identified.

Detailed results -- This section describes the functional area elements evaluated, summarizes the results by element, discusses inspection methodology, and where requirement incorporation into controlled procedures is discrepant, required manual changes are discussed. For requirement discrepancies, a prioritized recovery plan is discussed.

Attachments to Functional Area Reports -- Following each functional area report are two data reports for additional information: The Requirements Status and S/RID Implementation Manual Report by Functional Area.

The Requirements Status Report identifies specific requirement document/section by functional area element. Actually, there may be as many as three status tables provided. One always included provides the incorporated requirements organized by element. If there are discrepant requirements, they are similarly organized. The last table possibly provided depicts requirements that are not applicable. It is possible that for a given functional area, it has incorporated requirements but no discrepant requirements and has non applicable requirements.

The S/RID Implementing Manuals Report by functional area highlights several important pieces of information. An Element description and an identification number are noted. An adjacent column identifies the origin of the requirement and two additional columns identify the manual and section where the requirement is implemented. This report is perhaps one of the more important ones available because it ties requirements with implementing procedures.

2.0 SUMMARY

The Phase 1 assessment evaluated 1999 requirements for the Tank Farms S/RID. The evaluation determined that 1795 requirements have been implemented in controlled procedures, 110 requirements are not applicable, and 94 requirements are discrepant, i.e., require a remedial action. Additional insight is provided later in this section for these data.

The phase 1 assessment was prepared by a team representing twenty functional areas. The **Table 2.1 Functional Area List** reflects the team members

Table 2.1 Functional Area List

FUNCTIONAL AREA	FAO	FE
1) Management Systems (MS)	F.Strankman	E. Biebesheimer
2) Quality Assurance (QA)	J. Weber	T. Bennington
3) Configuration Management (CM)	S. Rifaey	R. Stickney
4) Training & Qualification (TQ)	LE Simmons	JR Cuneo
5) Emergency Preparedness (EM)	LE Simmons	DJ Rowland
6) Safeguards & Security (SS)	F.Strankman	E. Biebesheimer
7) Engineering Design (EN)	S.Rifaey	G. Singh
8) Construction (CS)	F.Strankman	T. Shaw
9) Operations (OP)	W.E. Ross D.P. Reber J.E. Geary	C. Widhalm
10) Maintenance (MN)	F.Strankman	D. Kerwick
11) Radiation Protection (RP)	S.L.Bump	S. Bracamontes D.W. Medley
12) Fire Protection (FP)	R.J.Nicklas	C. Zacconne
13) Packaging & Transportation (PT)	LA Garner	P.A. Gagnon
14) Environmental Restoration (ER)	LA Garner	D. Alison
15) Decontamination & Decommissioning (DD)	LA Garner	D. Alison
16) Waste Management (WM)	LA Garner	D. Garner
17) R&D/Experimental Activities(RD)	S. Rifaey	G. Singh
18) Nuclear Safety (NS)	JJ Klos	J. Propson
19) Occupational Safety and (OH) Health	LM Calderon	E.R. Hewitt
20) Environmental Protection (EP)	LA Gardner	D. Alison

participating in the phase 1 assessment. On the table, the first column: "functional area" is self-explanatory
and includes a two letter abbreviation, e.g., for management systems, the abbreviation is "MS". The remaining two columns are entitled FAO and FE. The FAO represents the Functional Area Owner and FE represents Functional Expert.

As noted earlier the Phase 1 assessment evaluates if the requirements identified in the Tank Farm S/RID are implemented in controlled procedures. It must be noted that the Tank Farm S/RID has evolved since the DNFSB offered recommendation 90-2.

Initial attempts to develop a family of requirements for the Tank Farms met with mixed success. The Tank Farm S/RID has undergone numerous revisions as requirement sets were evaluated, additional direction was provided, that direction was implemented, results were reviewed, and new direction developed and promulgated. Each iterations was closer to the "correct" set of Tank Farms requirements. Tank Farms today has a refined set of requirements that has received numerous reviews by Tank Farms Facility Functional Area Owners, Tank Farms Facility Experts, Westinghouse Hanford Company (WHC) Interpretative Authorities, RL Line Review, and RL Subject Matter Experts; each review leading to the approval of the Tank Farm S/RID.

Even with the extensive reviews, the Facility Experts found some requirements that were not applicable to their specific functional area. These exceptions are captured by functional area along with other statistics on **Table 2.2 Functional Area Statistics.** The table is comprised of six columns that summarize the evaluation results for each functional area. The first column is the functional area, the second reflects the total number of requirements contained within the functional area, and the third column indicates the number of requirements for which evidence of incorporation has been identified, i.e., the number of requirements that have been determined to be incorporated into controlled procedures. The fourth column in **Table 2.2** shows the number of applicable requirements by functional area, the fifth column show the number of requirements for which no implementing procedure has been identified. The last column completes the statistic table by indicating the number of non-applicable requirements.

There are three functional areas depicted on **Table 2.2** as "na". The "na" designation is consistent with the approved Tank Farm S/RID and denotes that there are no applicable requirements from the functional area for Tank Farms at this time. The three functional areas where this applies are: Environmental Restoration, Decontamination & Decommissioning, and R&D / Experimental.

Table 2.2 Functional Area Statistics

FUNCTIONAL AREA		# of Rqmt	# Incp	# Appl	# disc	# NA
1) Management Systems	(MS)	148	146	148	2	0
2) Quality Assurance	(QA)	9	9	9	0	0
3) Configuration Management	(CM)	51	45	49	4	2
4) Training & Qualification	(TQ)	110	97	108	11	2
5) Emergency Preparedness	(EM)	112	85	110	25	2
6) Safeguards & Security	(SS)	16	16	16	0	0
7) Engineering Design	(EN)	43	40	40	0	3
8) Construction	(CS)	28	24	28	4	0
9) Operations	(OP)	225	220	220	5	0
10) Maintenance	(MN)	7	7	7	0	0
11) Radiation Protection	(RP)	212	211	211	0	1
12) Fire Protection	(FP)	159	156	158	2	1
13) Packaging & Transportation	(PT)	61	58	58	0	3
14) Environmental Restoration	(ER)	na	na	na	na	na
15) Decontamination & Decommissioning	(DD)	na	na	na	na	na
16) Waste Management	(WM)	320	285	312	27	8
17) R&D/Experimental Activities	(RD)	na	na	na	na	na
18) Nuclear Safety	(NS)	61	60	60	0	1
9) Occupational Safety and Health	(OH)	96	82	95	13	1
20) Environmental Protection	(EP)	341	254	255	1	86

Each of the discrepant requirements was prioritized with respect to the discrepancy, its risk, and danger to the public, the environment, and the worker. The results of that evaluation are captured on Table 2.3 Prioritized Assessment Discrepancies.

Table 2.3 is organized by functional area. The second column lists the total number of discrepancies by functional area. The third, fourth, and fifth column indicate at what priority the discrepancy will be remediated.

The immediate action response has been allocated for safety-related compliance actions and should be completed within two to four weeks. Prompt actions are those that are administrative in nature, but do affect the ability of WHC to

Table 2.3 Prioritized Assessment Discrepancies

FUNCTIONAL AREA	# disc	# imm	# prmt	# rou
1) Management Systems (MS)	2	0	0	2
2) Quality Assurance (QA)	0			
3) Configuration Management (CM)	4	0	0	0
4) Training & Qualification (TQ)	11[1]	0	4	7[1]
5) Emergency Preparedness (EM)	25	0	25	0
6) Safeguards & Security (SS)	0			
7) Engineering Design (EN)	0			
8) Construction (CS)	4	0	4	0
9) Operations (OP)	5	0	5	0
10) Maintenance (MN)	0			
11) Radiation Protection (RP)	0			
12) Fire Protection (FP)	2	0	0	2
13) Packaging & Transportation (PT)	0			
14) Environmental Restoration (ER)	na			
15) Decontamination & Decommissioning (DD)	na			
16) Waste Management (WM)	27	0	0	27
17) R&D/Experimental Activities (RD)	na			
18) Nuclear Safety (NS)	0			
19) Occupational Safety and Health (OH)	13	0	10	3
20) Environmental Protection (EP)	1	0	0	1

Footnotes: [1]The WHC has not implemented seven accreditation requirements based on direction from RL. Accreditation is currently on indefinite hold until WHC receives additional guidance.

The immediate action response has been allocated for safety-related compliance actions and should be completed within two to four weeks. Prompt actions are those that are administrative in nature, but do affect the ability of WHC to demonstrate compliance with regulatory requirements and should be completed within 12 to 16 weeks. Routine actions are those necessary to updated forms or procedures and should be completed at the next procedure revision cycle.

Corrective actions taken to mitigate discrepant requirement implementation into controlled procedures fall into three categories. The corrective actions are those that have been addressed by procedure revision, those requirements that are scheduled to be completed at some time in the future, and lastly those discrepancies have been re-evaluated to be incorporated (not discrepant). For the last group, during the mitigation process, some

discrepancies are determined to actually be incorporated, in contrast to what was identified during the initial Phase 1 assessment effort.

Corrective actions for the discrepancies identified by this report have been documented in a supporting document: High Level Waste Storage Tank Farms/242-A Evaporator Phase 1 Assessment Corrective Action Report WHC-SD-WM-SRID-002, Rev 0. The Phase 1 assessment recovery schedule calls for short term corrective actions begin completed by August 30, 1996. Corrective actions not complete by August 30, 1996, will be combined into compliance schedule approval requests and will be submitted to RL by September 30, 1996.

3.0 DETAILED FUNCTIONAL AREA REPORTS

Detailed Functional Area Reports follow as sub-sections

3.1 Management Systems
3.2 Quality Assurance
3.3 Configuration Management
3.4 Training & Qualification
3.5 Emergency Preparedness
3.6 Safeguards & Security
3.7 Engineering Design
3.8 Construction
3.9 Operations
3.10 Maintenance
3.11 Radiation Protection
3.12 Fire Protection
3.13 Packaging & Transportation
3.14 Environmental Restoration
3.15 Decontamination & Decommissioning
3.16 Waste Management
3.17 R&D / Experimental Activities
3.18 Nuclear Safety
3.19 Occupational Safety and Health
3.20 Environmental Protection

3.1 Management Systems

Management Systems

1.0 INTRODUCTION

The Management Systems functional area is comprised of nine functional area elements containing requirements and includes 148 individual requirement statements. The evaluation was completed by Eric Biebesheimer reporting to Cynthia Day-Phalen, the Manager of Support Services and Business Improvements.

The nine functional area elements contained requirements and were evaluated: Management and Administration, Policy and Procedures, Issues Management, Compliance Management, Management Evaluation, Occurrence Reporting, Operational Readiness Reviews, Document and Database Control, and Lessons Learned. The assessment process evaluated whether existing manuals and documentation implemented the requirements under assessment. Individual manuals and documentation used as evidence are identified in the databases in the ERMI computer program. The manuals and documentation listed in the databases represent the evidence necessary to demonstrate the implementation status of the individual requirement.

The results of the completed assessment indicate that all but two of the Tank Farm S/RID requirements for the Management Systems Functional Area are implemented in WHC controlled Manuals, Procedures, or Documents.

2.0 SUMMARY

Within the Management Systems functional area, 148 individual requirements were evaluated. Of these, 146 were evaluated as being implemented in controlled procedures, and two were evaluated as being discrepant, i.e., not totally implemented by WHC procedures. Of the two requirements evaluated as being discrepant, neither requires immediate compensatory action nor has any impact on safety-related criteria.

The following documents were evaluated and determined to implement the Management Systems S/RID Requirements: Management Requirements and Procedures (WHC-CM-1-3), Standard Engineering Practices (WHC-CM-6-1), Corrective Action Management Manual (WHC-CM-1-4), Standard Operating Practices (WHC-CM-1-5), Work Management Manual (WHC-CM-1-8), Safety Manual (WHC-CM-1-10), Document Control and Record Management Manual (WHC-CM-3-5), Uniform Publications System (WHC-CM-3-6), Safety Analysis Manual (WHC-CM-4-46), TWRS Administrative Procedures (WHC-IP-0842, Volumes 1 & 2), Tank Farm Plant Operating Procedure (WHC-IP-0731), WHC Emergency Assignment Roster and Phone Lists (WHC-IP-0541), WHC Conduct of Operations Manual (WHC-SP-0708), and WHC Quality Assurance Manual (WHC-CM-4-2).

3.0 DETAILED RESULTS

As noted earlier, this functional area has nine elements containing requirements. Management and Administration (1.1) contains requirements dealing with policies, plans and procedures, organization, staffing, and training & qualification. Policy and Procedures (1.2) has requirements dealing with preparation, review and approval, and control & maintenance. Issues Management (1.3) has requirements dealing with issue identification, issue evaluation, root cause and corrective action analysis, and tracking & trending. Compliance Management (1.4) and Management Evaluation (1.5) have requirements dealing with various aspects of these elements' requirements. Occurrence Reporting (1.6) has requirements dealing with identification and categorization, notification and reporting, investigation, and tracking. Operational Readiness Reviews (1.7) has requirements dealing with approach and organization, plan of action, tracking and closure of findings, and documentation. Document and Database Control-Records Management (1.8) has requirements dealing with control, storage, and retention & disposal. Lessons Learned (1.9) has requirements dealing with various aspects of this elements' requirements.

Table 3.1 Management Systems S/RID Element Status contains four columns; the first shows the Functional Area sub-element numerical identifier, the second shows the sub-element description, the third, and fourth, show the

Table 3.1 Management Systems S/RID Element Status

Element Identifier	Element Description	Inc	Dis
1.1	Management and Administration	3	
1.2	Policy and Procedures	33	
1.3	Issues Management	7	
1.4	Compliance Management	4	
1.5	Management Evaluation	7	1
1.6	Occurrence Reporting	37	1
1.7	Operational Readiness Reviews	37	
1.8	Doc/Database Control-Rec Mgmt	16	
1.9	Lessons Learned	2	

sub-element requirement status as being, "incorporated" (Inc) or "discrepant" (Dis) respectively. Any items marked "Dis" are discussed in paragraph 4.0 Discrepancies.

A total of 146 incorporated requirements are reflected on Table 3.1, as well as two discrepant requirements.

4.0 DISCREPANCIES

The following describes the discrepancies listed in the Table 3.1. For each discrepancy, there is a stated plan of action for resolution. In addition, the priority of the resolution action is identified. Priorities have been grouped into three categories: Immediate, prompt, or routine actions. Immediate actions are those necessary to resolve a safety-related compliance issue and would be resolved within 2-4 weeks. Prompt actions are those that are administrative in nature but do affect the ability of WHC to demonstrate compliance with regulatory requirements and would be completed within 12-16 weeks. Routine actions are those actions necessary to update forms or procedures (e.g., include new report distribution requirements) and would be completed at the next procedure revision cycle.

1) Sub-element 1.5 Management Evaluation

DOE 5480.26 Section 7.a(1)
This section requires that Performance Indicator reports be submitted at least quarterly to the field office.

Routine - To WHC-IP-0842 Volume 1 Section 2.5, add notation that "Performance Indicator Reports must be submitted at least quarterly to the field office".

2) Sub-element 1.6.2 Notification and Reporting

DOE 5480.19(920518) Chapter VI, Section C.8
This section requires that a periodic summary report of events, causes, and trends should be submitted to department heads, the facility manager, and appropriate managers.

Routine - To WHC-IP-0842 Volume 1 Section 2.4, and Volume II Section 4.6.4, add notation that "A periodic summary report of events, causes, and trends should be submitted to department heads, the facility manager, and appropriate managers".

9/25/96

MS
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	All	All	Price	146

INCORPORATED

1.1.1 Policies, Plans, and Procedures
10CFR830 Part 120(c)(2)(i)

1.1.2 Organization
10CFR830 Part 120(c)(1)(i)
DOE5480.19(920518) Chapter I, Section C.4

1.2.1 Preparation
10CFR830 Part 120(c)(1)(iv)
DOE4330.4B Chapter II, Section 6.3.6, Paragraph 1
DOE5480.19(920518) Chapter XVI, Section C.1,Para 1 and 2, Sent 1 thru
DOE5480.19(920518) Chapter XVI, Section C.2.a, Sentence 1
DOE5480.19(920518) Chapter XVI, Section C.2.a, Sentence 3
DOE5480.19(920518) Chapter XVI, Section C.2.b
DOE5480.19(920518) Chapter XVI, Section C.2.c, Sentence 1
DOE5480.19(920518) Chapter XVI, Section C.2.c, Sentence 3 thru 5
DOE5480.19(920518) Chapter XVI, Section C.2.d
DOE5480.19(920518) Chapter XVI, Section C.2.e
DOE5480.19(920518) Chapter XVI, Section C.2.f
DOE5480.19(920518) Chapter XVI, Section C.2.h, Sentence 1
DOE5480.19(920518) Chapter XVI, Section C.2.i, Sentence 1 and 2
DOE5480.19(920518) Chapter XVI, Section C.2.j, First seven words
DOE5480.19(920518) Chapter XVI, Section C.2.k
DOE5480.19(920518) Chapter XVI, Section C.2.l
DOE5480.19(920518) Chapter XVI, Section C.2.m
DOE5480.19(920518) Chapter XVI, Section C.2.n, Sentence 1
DOE5480.19(920518) Chapter XVI, Section C.2.o, Sentence 1
DOE5480.19(920518) Chapter XVI, Section C.2.p
DOE5480.19(920518) Chapter XVI, Section C.2.q
DOE5480.19(920518) Chapter XVI, Section C.2.r

1.2.2 Review and Approval
DOE4330.4B Chapter II, Section 6.3.2, Paragraph 1, Sentence 1 thru 3
DOE4330.4B Chapter II, Section 6.3.2, Paragraph 2
DOE4330.4B Chapter II, Section 6.3.4
DOE5480.19(920518) Chapter XVI, Section C.4, Paragraph 1 and 2, Sent 1
DOE5480.19(920518) Chapter XVI, Section C.5
DOE5480.21 Preamble, Section 10.b

1.2.3 Control and Maintenance
DOE5480.19(920518) Chapter XVI, Section C.3, Sentence 2
DOE5480.19(920518) Chapter XVI, Section C.3, Sentence 6
DOE5480.19(920518) Chapter XVI, Section C.4, Paragraph 2, Sent 3 and 4
DOE5480.19(920518) Chapter XVI, Section C.7

1.3.1 Issue Identification
10CFR830 Part 120(c)(1)(iii)
DOE5480.29 PREAMBLE Section 3, Sentence 3 and 3.a thru 3.d

1.3.2 Issue Evaluation
DOE5480.29 PREAMBLE Section 9.d

1.3.3 Root Cause and Corrective Action Analysis
DOE4330.4B Chapter II, Section 17.3.3, Paragraph 1, Sentence 2
DOE5480.19(920518) Chapter VI, Section C.5.d, Sentence 1
DOE5480.19(920518) Chapter VI, Section C.5.d, Sentence 3

1.3.4 Tracking and Trending
BMP-10CFR20 Appendix A

1.4 Compliance Management
DOE5480.23 Attachment I, Section 4.d.(1), Sentences 1 and 2
DOE5480.23 Attachment I, Section 4.d.(2), Sentences 1 and 2

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Rev. 0

Applicable	SRID	Price Anderson	Status	Found
Yes	All	All	Price	146

DOE5480.23 Section 8
DOE5480.23(940310) Section 9.c.

1.5 Management Evaluation
DOE5480.19(920518) Chapter VI, Section C.8
DOE5480.26 Section 6.f Introduction & 6.f.(1)
DOE5480.26 Section 7.a(3)
DOE5480.26 Section 7.b (1), Sentence 2
DOE5482.1B Section 9.d(1)
DOE5482.1B Section 9.d(2) (a) thru (f)
RLIP5484.1A Section 4.i

1.6 OCCURRENCE REPORTING
DOE-O-232.1 Part 4
DOE-O-232.1 Part 4.c., and 4.c.(1)

1.6.1 Identification and Categorization
DOE-O-232.1 Part 4.a.
DOE-O-232.1 Part 4.b, and 4.b.(1)

1.6.2 Notification and Reporting
10CFR835 Part 1301(e)
DOE-O-232.1 Part 4.b.(2) Introduction
DOE-O-232.1 Part 4.b.(3)
DOE-O-232.1 Part 4.b.(4)
DOE-O-232.1 Part 4.b.(5)
DOE-O-232.1 Part 4.b.(6)
DOE5480.19(920518) Chapter VI, Section C.5.c, Sentence 1
DOE5480.19(920518) Chapter VI, Section C.5.d, Sentence 1
DOE5480.19(920518) Chapter VI, Section C.5.d, Sentence 3
DOE5480.19(920518) Chapter VI, Section C.6, Paragraph 1
DOE5480.19(920518) Chapter VI, Section C.9, Sentence 2
DOE5480.19(920518) Chapter VII, Section C. 1
DOE5480.19(920518) Chapter VII, Section C. 2, Sentence 1
DOE5480.19(920518) Chapter VII, Section C. 3
DOE5480.19(920518) Chapter VII, Section C. 4, Sentence 1
DOE5480.19(920518) Chapter VII, Section C. 5

1.6.3 Investigation
DOE5480.19(920518) Chapter VI, Section C.1, Sentence 1 thru 3
DOE5480.19(920518) Chapter VI, Section C.2, Sentence 1
DOE5480.19(920518) Chapter VI, Section C.3, Sentence 4 and 5
DOE5480.19(920518) Chapter VI, Section C.4, Paragraph 1, Sent 1 thru 3
DOE5480.19(920518) Chapter VI, Section C.4, Paragraph 1, Sentence 5
DOE5480.19(920518) Chapter VI, Section C.4, Paragraph 2, Sentence 3
DOE5480.19(920518) Chapter VI, Section C.4, Paragraph 3, Sent 2 and 3
DOE5480.19(920518) Chapter VI, Section C.5, Sentence 1
DOE5480.19(920518) Chapter VI, Section C.5, Sentence 3
DOE5480.19(920518) Chapter VI, Section C.5.a, Sentence 1
DOE5480.19(920518) Chapter VI, Section C.5.b, Sentence 1 thru 4
DOE5480.19(920518) Chapter VI, Section C.5.c, Sentence 1
DOE5480.19(920518) Chapter VI, Section C.5.d, Sentence 1
DOE5480.19(920518) Chapter VI, Section C.5.d, Sentence 3
DOE5480.19(920518) Chapter VI, Section C.8
DOE5480.19(920518) Chapter VI, Section C.9, Sentence 2

1.6.4 Tracking
DOE-O-232.1 Part 4.b.(7)
DOE-O-232.1 Part 4.b.(8)

1.7.1 Approach and Organization
RLID5480.31 Section 6.e(1)

1.7.1.1 Need Determination
RLID5480.31 Section 8.0

MS
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	All	All	Price	146

RLID5480.31 Section 8.1.c
RLID5480.31 Section 8.1.d
RLID5480.31 Section 8.2.a
RLID5480.31 Section 8.2.b
RLID5480.31 Section 8.2.c, Paragraph 1
RLID5480.31 Section 8.2.d
RLID5480.31 Section 8.2.e

1.7.1.2 Team Organization and Responsibilities
RLID5480.31 Section 6.f
RLID5480.31 Section 6.g
RLID5480.31 Section 8.2.j
RLID5480.31 Section 8.2.k

1.7.2.1 Operational Readiness Reviews
RLID5480.31 Attachment 10.9
RLID5480.31 Section 6.e(2)
RLID5480.31 Section 8.1.f
RLID5480.31 Section 8.1.g
RLID5480.31 Section 8.1.h
RLID5480.31 Section 8.1.i
RLID5480.31 Section 8.1.j
RLID5480.31 Section 8.1.l

1.7.2.1.1 Implementation Plan
RLID5480.31 Attachment 10.4, Section 1.0
RLID5480.31 Section 8.1.m

1.7.2.1.2 Implementation
RLID5480.31 Section 8.1.p

1.7.2.2 Readiness Assessment
RLID5480.31 Section 6.e(3)
RLID5480.31 Section 8.2.g
RLID5480.31 Section 8.2.l
RLID5480.31 Section 8.2.n

1.7.3 Tracking and Closure of Findings
RLID5480.31 Attachment 10.7, Section 3
RLID5480.31 Attachment 10.7, Section 4
RLID5480.31 Section 8.1.r
RLID5480.31 Section 8.2.p

1.7.4 Documentation
RLID5480.31 Section 8.1.q
RLID5480.31 Section 8.1.s
RLID5480.31 Section 8.2.o
RLID5480.31 Section 8.2.q
RLID5480.31 Section 8.2.r

1.8 DOCUMENT AND DATABASE CONTROL - RECORDS MANAGEMENT
DOE-O-232.1 Part 4.c.(2)

1.8.1.1 Document Control Systems
DOE-STD-1073-93 Chapter 2, Section 2.3.2.3, Paragraph 6

1.8.1.2 Computer Use
DOE1330.1D Section 8.g

1.8.1.3 Records Management Planning
DOE1324.2A Preamble, Section 9.b
DOE1324.2A Chapter I, Section 3
DOE1324.6 Section 12.b

1.8.2.1 Controls and Facilities for Records Storage
DOE1324.3 Chapter I, Section 5.a

Applicable	SRID	Price Anderson	Status	Found
Yes	All	All	Price	146

DOE1324.3 Chapter I, Section 5.b
DOE1324.6 Section 15

1.8.2.2 Controls for Records Retrieval
DOE1324.6 Section 11.a
DOE5500.7B Section 11.b

1.8.3.1 Controls for Records Retention and Storage Media
DOE1324.2A Preamble, Section 9.c
DOE1324.2A Chapter II, Section 2.a(2)

1.8.3.2 Controls for Authorized Records Disposition
DOE1324.2A Chapter I, Section 6
DOE1324.2A Chapter II, Section 2.d
DOE5500.7B Section 11.c

1.9 Lessons Learned
DOE-O-232.1 Part 4.c.(3)
DOE5480.19(920518) Chapter VI, Section C.8

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Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Not	2

DISCREPANT

1.5 Management Evaluation
DOE5480.26 Section 7.a(1)

1.6.2 Notification and Reporting
DOE5480.19(920518) Chapter VI, Section C.8

SRID Element	Location	Applicable Incorporated Implementing Manuals		
1.1.1 Policies, Plans, and Procedures	10CFR830 Part 120(c)(2)(i)	A Incorp	WHC-IP-0842, VOL 2	4.1.1
	ANSI/ANS-3.2 Section 5.2	N Dis	WHC-IP-0842, VOL 2	4.1.1
				4.1.1
1.1.2 Organization	10CFR830 Part 120(c)(1)(i)	A Incorp	NEW_WHC-CM-4-2	QR 2.0
	DOE5480.19(920518) Chapter I, Section C.4	A Incorp	WHC-CM-1-3	MRP 4.16
				MRP 4.40
			WHC-CM-1-5	6.1
			WHC-SP-0708	Entire Document
1.2.1 Preparation	10CFR830 Part 120(c)(1)(iv)	A Incorp	WHC-CM-6-1	EP-1.1
			WHC-IP-0842, VOL 2	4.16.2
	ANSI/ANS-3.2 Section 5.3.2, Paragraph 1, Sentence 1	A Incorp	WHC-IP-0731	Entire Document
				Entire Document
				Entire Document
	DOE4330.4B Chapter II, Section 6.3.6, Paragraph 1	A Incorp	WHC-IP-0842, VOL 2	4.16.1
	DOE5480.19(920518) Chapter XVI, Section C.1,Para 1 and 2, Sent 1 thru	A Incorp	WHC-IP-0842, VOL 2	4.16.1
	DOE5480.19(920518) Chapter XVI, Section C.2.a, Sentence 1	A Incorp	WHC-CM-3-5	12.5
			WHC-IP-0842, VOL 2	4.16.2
	DOE5480.19(920518) Chapter XVI, Section C.2.a, Sentence 3	A Incorp	WHC-IP-0731	Entire Document
			WHC-IP-0842, VOL 2	4.16.2
	DOE5480.19(920518) Chapter XVI, Section C.2.b	A Incorp	WHC-IP-0731	Entire Document
	DOE5480.19(920518) Chapter XVI, Section C.2.c, Sentence 1	A Incorp	WHC-IP-0731	Entire Document
	DOE5480.19(920518) Chapter XVI, Section C.2.c, Sentence 3 thru 5	A Incorp	WHC-IP-0731	Entire Document
	DOE5480.19(920518) Chapter XVI, Section C.2.d	A Incorp	WHC-CM-3-6	2.6
				2.6
			WHC-IP-0731	Entire Document

SRID Element	Location	[illegible]plicable Incorporated Implementing Manuals		
	DOE5480.19(920518) Chapter XVI, Section C.2.e	A Incorp	WHC-CM-3-5	12.5
			WHC-IP-0731	Entire Document
	DOE5480.19(920518) Chapter XVI, Section C.2.f	A Incorp	WHC-CM-3-5	12.5
			WHC-IP-0731	Entire Document
	DOE5480.19(920518) Chapter XVI, Section C.2.h, Sentence 1	A Incorp	WHC-CM-3-5	12.5
			WHC-IP-0731	Entire Document
	DOE5480.19(920518) Chapter XVI, Section C.2.i, Sentence 1 and 2	A Incorp	WHC-CM-3-5	12.5
			WHC-IP-0731	Entire Document
	DOE5480.19(920518) Chapter XVI, Section C.2.j, First seven words	A Incorp	WHC-CM-3-5	12.5
				12.5
			WHC-IP-0731	Entire Document
	DOE5480.19(920518) Chapter XVI, Section C.2.k	A Incorp	WHC-CM-3-5	12.5
			WHC-IP-0731	Entire Document
	DOE5480.19(920518) Chapter XVI, Section C.2.l	A Incorp	WHC-CM-1-5	8.0
			WHC-CM-3-5	12.5
			WHC-IP-0731	Entire Document
	DOE5480.19(920518) Chapter XVI, Section C.2.m	A Incorp	WHC-CM-3-5	12.5
			WHC-IP-0731	Entire Document
	DOE5480.19(920518) Chapter XVI, Section C.2.n, Sentence 1	A Incorp	WHC-CM-3-6	2.6
			WHC-IP-0731	Entire Document
	DOE5480.19(920518) Chapter XVI, Section C.2.o, Sentence 1	A Incorp	WHC-CM-3-5	12.5
			WHC-IP-0731	Entire Document

SRID Element	Location	[illegible]plicable Incorporated Implementing Manuals		
	DOE5480.19(920518) Chapter XVI, Section C.2.p	A Incorp	WHC-IP-0731	Entire Document
	DOE5480.19(920518) Chapter XVI, Section C.2.q	A Incorp	WHC-CM-3-5	12.5
				12.5
			WHC-CM-3-6	2.6
			WHC-IP-0731	Entire Document
	DOE5480.19(920518) Chapter XVI, Section C.2.r	A Incorp	WHC-CM-3-5	12.5
			WHC-IP-0731	Entire Document
1.2.2 Review and Approval	DOE4330.4B Chapter II, Section 6.3.2, Paragraph 1, Sentence 1 thru 3	A Incorp	WHC-IP-0731	Entire Document
	DOE4330.4B Chapter II, Section 6.3.2, Paragraph 2	A Incorp	WHC-IP-0731	Entire Document
	DOE4330.4B Chapter II, Section 6.3.4	A Incorp	WHC-IP-0731	Entire Document
	DOE5480.19(920518) Chapter XVI, Section C.4, Paragraph 1 and 2, Sent 1	A Incorp	WHC-CM-3-5	12.5
				12.7
			WHC-IP-0731	Entire Document
	DOE5480.19(920518) Chapter XVI, Section C.5	A Incorp	WHC-CM-3-5	12.5
			WHC-IP-0731	Entire Document
	DOE5480.21 Preamble, Section 10.b	A Incorp	WHC-CM-1-3	MRP 5.12
			WHC-IP-0731	Entire Document
1.2.3 Control and Maintenance	DOE5480.19(920518) Chapter XVI, Section C.3, Sentence 2	A Incorp	WHC-CM-3-5	12.5
			WHC-IP-0731	Entire Document
	DOE5480.19(920518) Chapter XVI, Section C.3, Sentence 6	A Incorp	WHC-IP-0731	Entire Document
	DOE5480.19(920518) Chapter XVI, Section C.4, Paragraph 2, Sent 3 and 4	A Incorp	WHC-IP-0731	Entire Document
	DOE5480.19(920518) Chapter XVI, Section C.7	A Incorp	WHC-CM-3-5	12.5
			WHC-IP-0731	Entire Document

SRID Element	Location	[illegible]plicable	Incorporated	Implementing Manuals	
1.3.1 Issue Identification	10CFR830 Part 120(c)(1)(iii)	A	Incorp	WHC-CM-1-4	1.0
				WHC-IP-0842, VOL 1	2.4
	DOE5480.29 PREAMBLE Section 3, Sentence 3 and 3.a thru 3.d	A	Incorp	WHC-CM-1-3	MRP 1.13
1.3.2 Issue Evaluation	DOE5480.29 PREAMBLE Section 9.d	A	Incorp	WHC-CM-1-4	3.0
1.3.3 Root Cause and Corrective Action Analysis	DOE4330.4B Chapter II, Section 17.3.3, Paragraph 1, Sentence 2	A	Incorp	WHC-CM-1-4	1.0
	DOE5480.19(920518) Chapter VI, Section C.5.d, Sentence 1	A	Incorp	WHC-CM-1-4	1.0
				WHC-CM-1-5	6.1
					7.1
				WHC-IP-0842, VOL 1	2.4
	DOE5480.19(920518) Chapter VI, Section C.5.d, Sentence 3	A	Incorp	WHC-CM-1-5	7.1
				WHC-IP-0842, VOL 1	2.4
1.3.4 Tracking and Trending	BMP-10CFR20 Appendix A	A	Incorp	WHC-IP-0842, VOL 1	2.4
1.4 Compliance Management	DOE5480.23 Attachment I, Section 4.d.(1), Sentences 1 and 2	A	Incorp	WHC-CM-4-46	1.0
	DOE5480.23 Attachment I, Section 4.d.(2), Sentences 1 and 2	A	Incorp	WHC-CM-4-46	3.0
	DOE5480.23 Section 8	A	Incorp	WHC-CM-4-46	3.0
				WHC-IP-0842, VOL 2	15.12
	DOE5480.23(940310) Section 9.c.	A	Incorp	WHC-CM-4-46	3.0
1.5 Management Evaluation	DOE5480.19(920518) Chapter VI, Section C.8	A	Incorp	WHC-CM-1-4	1.0
	DOE5480.26 Section 6.f Introduction & 6.f.(1)	A	Incorp	WHC-CM-1-4	1.0
				WHC-IP-0842, VOL 1	2.5
	DOE5480.26 Section 7.a(1)	A	Dis	WHC-CM-1-8	1.0
				WHC-IP-0842, VOL 1	2.5

SRID Element	Location	Applicable	Incorporated	Implementing Manuals	
	DOE5480.26 Section 7.a(3)	A	Incorp	WHC-IP-0842, VOL 1	2.5
	DOE5480.26 Section 7.b (1), Sentence 2	A	Incorp	WHC-IP-0842, VOL 1	4.6.3
	DOE5482.1B Section 9.d(1)	A	Incorp	WHC-IP-0842, VOL 2	4.12.1
	DOE5482.1B Section 9.d(2) (a) thru (f)	A	Incorp	WHC-IP-0842, VOL 2	4.1.2
	RLIP5484.1A Section 4.i	A	Incorp	NEW_WHC-CM-1-10	WKS 4
				WHC-CM-1-10	WKS 4
1.6 OCCURRENCE REPORTING	DOE-O-232.1 Part 4	A	Incorp	WHC-CM-1-5	7.1
	DOE-O-232.1 Part 4.c., and 4.c.(1)	A	Incorp	WHC-CM-1-5	7.1
				WHC-IP-0842, VOL 2	4.6.2
1.6.1 Identification and Categorization	DOE-0-232.1 Part 4.a.	A	Incorp	WHC-CM-1-5	7.1
	DOE-O-232.1 Part 4.b, and 4.b.(1)	A	Incorp	WHC-CM-1-5	7.1
	DOE5000.3B Section 7.a. Introduction, Sentence 1	N	Dis	WHC-CM-1-5	1.2
					1.2
					7.1
					7.1
					7.1
					7.1
				WHC-CM-4-43	1.1
					1.1
	DOE5000.3B Section 8.a.(1)	N	Dis	WHC-CM-1-5	7.1
					7.1
					7.1
					7.1
					7.1
					7.1
				WHC-CM-4-43	G-3.02
					G-3.02
				WHC-IP-0263-209E	Entire Document
					Entire Document
				WHC-IP-0263-242A	Entire Document
					Entire Document
				WHC-IP-0263-LERF	Entire Document
					Entire Document

SRID Element	Location		Applicable Incorporated Implementing Manuals	
			WHC-IP-0263-TF	Entire Document
				Entire Document
			WHC-IP-0839	Entire Document
				Entire Document
			WHC-IP-0858	Entire Document
				Entire Document
	DOE5000.3B Section 8.a.(3)	N Dis	WHC-CM-1-5	7.1
				7.1
			WHC-CM-4-43	2-2.01
				2-2.01
				2-2.02
				2-2.02
			WHC-IP-0839	Entire Document
				Entire Document
			WHC-IP-0858	Entire Document
				Entire Document
	DOE5000.3B Section 8.a.(4)	N Dis	DOE-RL-93-75	Entire Document
				Entire Document
			WHC-CM-1-5	7.1
				7.1
			WHC-IP-0842, VOL 1	5.1.0
				5.1.0
.6.2 Notification and Reporting	10CFR835 Part 1301(c)	A Incorp	WHC-IP-0842, VOL 2	4.6.2
	DOE-O-232.1 Part 4.b.(2) Introduction	A Incorp	WHC-IP-0842, VOL 2	4.6.2
	DOE-O-232.1 Part 4.b.(3)	A Incorp	WHC-IP-0842, VOL 2	4.6.2
	DOE-O-232.1 Part 4.b.(4)	A Incorp	WHC-CM-1-5	7.1
	DOE-O-232.1 Part 4.b.(5)	A Incorp	WHC-CM-1-5	7.1
	DOE-O-232.1 Part 4.b.(6)	A Incorp	WHC-CM-1-5	7.1
	DOE5000.3B Section 7.b.(1), Paragraph 1, Sentence 1	N Dis	WHC-CM-1-5	7.1
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SRID Element	Location		Applicable Incorporated Implementing Manuals	
				7.1
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				7.1
	DOE5000.3B Section 7.b.(1), Paragraph 2, Sentence 4	N Dis	WHC-CM-1-5	7.1
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				7.1
	DOE5000.3B Section 7.b.(2), Sentence 1	N Dis	WHC-CM-1-5	7.1
				7.1
				7.1
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SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE5000.3B Section 7.b.(4)	N Dis	WHC-CM-1-5	7.1
				7.1
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				7.1
				7.1
				7.1
				7.1
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				7.1
	DOE5000.3B Section 7.c.	N Dis	WHC-CM-1-5	7.1
				7.1
				7.1
				7.1
	DOE5000.3B Section 7.d	N Dis	WHC-CM-1-5	7.1
				7.1
				7.1
				7.1
				7.1
				7.1
	DOE5000.3B Section 7.d.(2)	N Dis	WHC-CM-1-5	7.1
				7.1
				7.1
				7.1
				7.1
				7.1
	DOE5000.3B Section 7.d.(3)	N Dis	WHC-CM-1-5	7.1
				7.1
				7.1
				7.1
				7.1

SRID Element	Location	[illegible]licable	Incorporated Implementing Manuals	
				7.1
	DOE5000.3B Section 7.c.(1)	N Dis	WHC-CM-1-5	7.1
				7.1
	DOE5000.3B Section 8.a.(10)	N Dis	WHC-CM-1-5	7.1
				7.1
				7.1
				7.1
				7.1
				7.1
			WHC-IP-0842, VOL 1	5.6.1
				5.6.1
	DOE5000.3B Section 8.a.(5)	N Dis	WHC-CM-1-5	7.1
				7.1
				7.1
				7.1
			WHC-CM-4-43	10.2
				10.2
				2-2.02
				2-2.02
				2.2
				2.2
			WHC-IP-0839	Entire Document
				Entire Document
	DOE5000.3B Section 8.b.(1)	N Dis	WHC-CM-1-5	7.1
				7.1
				7.1
				7.1
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				7.1
				7.1

SRID Element	Location	[illegible]licable	Incorporated	Implementing Manuals	
	DOE5000.3B Section 8.b.(4)	N	Dis	WHC-CM-1-5	7.1
					7.1
	DOE5000.3B Section 8.b.(5)	N	Dis	WHC-CM-1-5	7.1
					7.1
	DOE5000.3B Section 8.b.(6)	N	Dis	WHC-CM-1-5	7.1
					7.1
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					7.1
					7.1
	DOE5000.3B Section 8.c(2), Paragraph 1	N	Dis	WHC-CM-1-5	14.1
					14.1
					14.1
					14.1
					14.1
					14.1
					14.1
					14.1
	DOE5480.19(920518) Chapter VI, Section C.5.c, Sentence 1	A	Incorp	WHC-CM-1-4	4.0
					4.0
				WHC-CM-1-5	7.1
				WHC-IP-0842, VOL 1	2.4
	DOE5480.19(920518) Chapter VI, Section C.5.d, Sentence 1	A	Incorp	WHC-CM-1-4	2.0
					2.0
				WHC-CM-1-5	6.1

SRID Element	Location		[illegible]plicable Incorporated Implementing Manuals		
				7.1	
			WHC-IP-0842, VOL 1	2.4	
	DOE5480.19(920518) Chapter VI, Section C.5.d, Sentence 3	A Incorp	WHC-CM-1-5	7.1	
			WHC-IP-0842, VOL 1	2.4	
	DOE5480.19(920518) Chapter VI, Section C.6, Paragraph 1	A Incorp	WHC-CM-1-5	6.2	
			WHC-IP-0842, VOL 2	4.6.2	
	DOE5480.19(920518) Chapter VI, Section C.8	A Dis	WHC-CM-1-4	1.0	
			WHC-IP-0842, VOL 1	2.4	Revit
			WHC-IP-0842, VOL 2	4.6.2	Revit
				4.6.3	
	DOE5480.19(920518) Chapter VI, Section C.9, Sentence 2	A Incorp	WHC-CM-1-5	6.2	
				7.1	
			WHC-IP-0842, VOL 2	4.6.2	
			WHC-SP-0708	Entire Document	
	DOE5480.19(920518) Chapter VII, Section C. 1	A Incorp	WHC-CM-1-5	6.1	
			WHC-IP-0842, VOL 2	4.6.2	
	DOE5480.19(920518) Chapter VII, Section C. 2, Sentence 1	A Incorp	WHC-CM-1-5	7.1	
			WHC-IP-0842, VOL 2	4.6.2	
			WHC-SP-0708	Entire Document	
	DOE5480.19(920518) Chapter VII, Section C. 3	A Incorp	WHC-CM-1-5	7.1	
			WHC-IP-0541	Entire Document	
			WHC-SP-0708	Entire Document	

SRID Element	Location	Applicable	Incorporated	Implementing Manuals	
	DOE5480.19(920518) Chapter VII, Section C. 4, Sentence 1	A	Incorp	WHC-CM-1-5	7.1
				WHC-IP-0842, VOL 2	4.6.2
				WHC-SP-0708	Entire Document
	DOE5480.19(920518) Chapter VII, Section C. 5	A	Incorp	WHC-CM-1-5	7.1
				WHC-IP-0842, VOL 2	4.4.1
				WHC-SP-0708	Entire Document
1.6.3 Investigation	DOE5000.3B Section 8.c(2), Paragraph 1	N	Dis	WHC-CM-1-5	14.1
					14.1
					14.1
					14.1
					14.1
					14.1
					14.1
					14.1
	DOE5480.19(920518) Chapter VI, Section C.1, Sentence 1 thru 3	A	Incorp	WHC-CM-1-5	7.1
				WHC-CM-4-3, Volume 1	A-2
				WHC-SP-0708	Chapter 6
	DOE5480.19(920518) Chapter VI, Section C.2, Sentence 1	A	Incorp	WHC-CM-1-10	WKS 4
				WHC-CM-1-5	6.1
					7.1
				WHC-SP-0708	Chapter 6
	DOE5480.19(920518) Chapter VI, Section C.3, Sentence 4 and 5	A	Incorp	WHC-SP-0708	Chapter 6
	DOE5480.19(920518) Chapter VI, Section C.4, Paragraph 1, Sent 1 thru 3	A	Incorp	WHC-CM-1-5	6.1
					6.1
					7.1

SRID Element	Location	Applicable Incorporated Implementing Manuals	
		WHC-SP-0708	Chapter 6
	DOE5480.19(920518) Chapter VI, Section C.4, Paragraph 1, Sentence 5 A Incorp	WHC-CM-1-5	6.1
			6.1
			6.1
			7.1
		WHC-SP-0708	Chapter 6
	DOE5480.19(920518) Chapter VI, Section C.4, Paragraph 2, Sentence 3 A Incorp	WHC-CM-1-10	WKS 4
		WHC-CM-1-5	6.1
			7.1
		WHC-SP-0708	Chapter 6
	DOE5480.19(920518) Chapter VI, Section C.4, Paragraph 3, Sent 2 and 3 A Incorp	WHC-SP-0708	Chapter 6
	DOE5480.19(920518) Chapter VI, Section C.5, Sentence 1 A Incorp	WHC-CM-1-10	WKS 4
		WHC-CM-1-4	1.0
		WHC-CM-1-5	6.1
			7.1
		WHC-SP-0708	Chapter 6
	DOE5480.19(920518) Chapter VI, Section C.5, Sentence 3 A Incorp	WHC-SP-0708	Chapter 6
	DOE5480.19(920518) Chapter VI, Section C.5.a, Sentence 1 A Incorp	WHC-CM-1-5	6.1
			6.1
			6.1
			6.1

SRID Element	Location	Applicable Incorporated Implementing Manuals	
		WHC-SP-0708	Chapter 6
	DOE5480.19(920518) Chapter VI, Section C.5.b, Sentence A Incorp 1 thru 4	WHC-CM-1-4	2.0
			2.0
			2.0
			2.0
			2.0
		WHC-CM-1-5	7.1
		WHC-SP-0708	Chapter 6
	DOE5480.19(920518) Chapter VI, Section C.5.c, Sentence A Incorp 1	WHC-CM-1-4	4.0
			4.0
		WHC-CM-1-5	7.1
		WHC-SP-0708	Chapter 6
	DOE5480.19(920518) Chapter VI, Section C.5.d, Sentence A Incorp 1	WHC-CM-1-4	2.0
			2.0
		WHC-CM-1-5	6.1
			7.1
		WHC-SP-0708	Chapter 6

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE5480.19(920518) Chapter VI, Section C.5.d, Sentence 3	A Incorp	WHC-CM-1-5	7.1
			WHC-SP-0708	Chapter 6
	DOE5480.19(920518) Chapter VI, Section C.8	A Incorp	WHC-SP-0708	Chapter 6
	DOE5480.19(920518) Chapter VI, Section C.9, Sentence 2	A Incorp	WHC-CM-1-5	7.1
			WHC-SP-0708	Chapter 6
1.6.4 Tracking	DOE-O-232.1 Part 4.b.(7)	A Incorp	WHC-CM-1-5	7.1
	DOE-O-232.1 Part 4.b.(8)	A Incorp	WHC-CM-1-5	7.1
1.7.1 Approach and Organization	RLID5480.31 Section 6.e(1)	A Incorp	WHC-CM-1-5	1.2
1.7.1.1 Need Determination	RLID5480.31 Section 8.0	A Incorp	WHC-CM-1-5	1.2
	RLID5480.31 Section 8.1.c	A Incorp	WHC-CM-1-5	1.2
	RLID5480.31 Section 8.1.d	A Incorp	WHC-CM-1-5	1.2
	RLID5480.31 Section 8.2.a	A Incorp	WHC-CM-1-5	1.2
	RLID5480.31 Section 8.2.b	A Incorp	WHC-CM-1-5	1.2
	RLID5480.31 Section 8.2.c, Paragraph 1	A Incorp	WHC-CM-1-5	1.2
	RLID5480.31 Section 8.2.d	A Incorp	WHC-CM-1-5	1.2
	RLID5480.31 Section 8.2.e	A Incorp	WHC-CM-1-5	1.2
1.7.1.2 Team Organization and Responsibilities	RLID5480.31 Section 6.f	A Incorp	WHC-CM-1-5	1.2
			WHC-IP-0842, VOL 1	1.2
	RLID5480.31 Section 6.g	A Incorp	WHC-CM-1-5	1.2
			WHC-IP-0842, VOL 1	1.2
	RLID5480.31 Section 8.2.j	A Incorp	WHC-CM-1-5	1.2
			WHC-IP-0842, VOL 1	1.2

SRID Element	Location	[illegible]plicable Incorporated Implementing Manuals		
	RLID5480.31 Section 8.2.k	A Incorp	WHC-CM-1-5	1.2
			WHC-IP-0842, VOL 1	1.2
1.7.2.1 Operational Readiness Reviews	RLID5480.31 Attachment 10.9	A Incorp	WHC-CM-1-5	1.2
	RLID5480.31 Section 6.c(2)	A Incorp	WHC-CM-1-5	1.2
	RLID5480.31 Section 8.1.f	A Incorp	WHC-CM-1-5	1.2
	RLID5480.31 Section 8.1.g	A Incorp	WHC-CM-1-5	1.2
	RLID5480.31 Section 8.1.h	A Incorp	WHC-CM-1-5	1.2
	RLID5480.31 Section 8.1.i	A Incorp	WHC-CM-1-5	1.2
	RLID5480.31 Section 8.1.j	A Incorp	WHC-CM-1-5	1.2
	RLID5480.31 Section 8.1.l	A Incorp	WHC-CM-1-5	1.2
1.7.2.1.1 Implementation Plan	RLID5480.31 Attachment 10.4, Section 1.0	A Incorp	WHC-CM-1-5	1.2
			WHC-IP-0842, VOL 1	1.2
	RLID5480.31 Section 8.1.m	A Incorp	WHC-CM-1-5	1.2
			WHC-IP-0842, VOL 1	1.2
1.7.2.1.2 Implementation	RLID5480.31 Section 8.1.p	A Incorp	WHC-CM-1-5	1.2
			WHC-IP-0842, VOL 1	1.2
1.7.2.2 Readiness Assessment	RLID5480.31 Section 6.c(3)	A Incorp	WHC-CM-1-5	1.2
			WHC-IP-0842, VOL 1	1.2
	RLID5480.31 Section 8.2.g	A Incorp	WHC-CM-1-5	1.2
			WHC-IP-0842, VOL 1	1.2
	RLID5480.31 Section 8.2.l	A Incorp	WHC-CM-1-5	1.2
			WHC-IP-0842, VOL 1	1.2
	RLID5480.31 Section 8.2.n	A Incorp	WHC-CM-1-5	1.2
			WHC-IP-0842, VOL 1	1.2
1.7.3 Tracking and Closure of Findings	RLID5480.31 Attachment 10.7, Section 3	A Incorp	WHC-CM-1-5	1.2
			WHC-IP-0842, VOL 1	1.2
	RLID5480.31 Attachment 10.7, Section 4	A Incorp	WHC-CM-1-5	1.2
			WHC-IP-0842, VOL 1	1.2

SRID Element	Location	...pplicable	Incorporated	Implementing Manuals	
	RLID5480.31 Section 8.1.r	A	Incorp	WHC-CM-1-5	1.2
				WHC-IP-0842, VOL 1	1.2
	RLID5480.31 Section 8.2.p	A	Incorp	WHC-CM-1-5	1.2
				WHC-IP-0842, VOL 1	1.2
1.7.4 Documentation	RLID5480.31 Section 8.1.q	A	Incorp	WHC-CM-1-5	1.2
				WHC-IP-0842, VOL 1	1.2
	RLID5480.31 Section 8.1.s	A	Incorp	WHC-CM-1-5	1.2
				WHC-IP-0842, VOL 1	1.2
	RLID5480.31 Section 8.2.o	A	Incorp	WHC-CM-1-5	1.2
				WHC-IP-0842, VOL 1	1.2
	RLID5480.31 Section 8.2.q	A	Incorp	WHC-CM-1-5	1.2
				WHC-IP-0842, VOL 1	1.2
	RLID5480.31 Section 8.2.r	A	Incorp	WHC-CM-1-5	1.2
				WHC-IP-0842, VOL 1	1.2
1.8 DOCUMENT AND DATABASE CONTROL - RECORDS MANAGEMENT	DOE-O-232.1 Part 4.c.(2)	A	Incorp	WHC-CM-3-5	2.0
1.8.1.1 Document Control Systems	ANSI/ANS-3.2 Section 5.2.15, Paragraph 1	N	Dis	WHC-CM-3-5	12.0
					12.0
					12.0
					12.0
					12.0
					12.0
					12.5
					12.5
					12.5
					12.5
					12.5
					12.5
					12.5
					12.5
					2.0
					2.0

SRID Element	Location	[illegible]pplicable Incorporated Implementing Manuals			
					2.0
					2.0
					2.0
					2.0
	ANSI/ANS-3.2 Section 5.2.15, Paragraph 9(1)	N	Dis	WHC-CM-3-5	12.0
					12.0
					12.7
					12.7
					12.7
					12.7
	ANSI/ANS-3.2 Section 5.2.15, Paragraph 9(5)	N	Dis	WHC-CM-3-5	12.0
					12.0
	DOE-STD-1073-93 Chapter 2, Section 2.3.2.3, Paragraph 6	A	Incorp	WHC-CM-6-1	EP-2.2
1.8.1.2 Computer Use	DOE1330.1D Section 8.g	A	Incorp	WHC-CM-1-3	MRP 3.16
					MRP 3.16
				WHC-CM-6-1	EP-2.1
					EP-2.1
1.8.1.3 Records Management Planning	DOE1324.2A Preamble, Section 9.b	A	Incorp	WHC-CM-3-5	4.0
	DOE1324.2A Chapter I, Section 3	A	Incorp	WHC-CM-3-5	4.0
	DOE1324.6 Section 12.b	A	Incorp	WHC-CM-3-5	2.0
1.8.2.1 Controls and Facilities for Records Storage	DOE1324.3 Chapter I, Section 5.a	A	Incorp	WHC-CM-3-5	1.2
	DOE1324.3 Chapter I, Section 5.b	A	Incorp	WHC-CM-3-5	1.2
	DOE1324.6 Section 15	A	Incorp	WHC-CM-3-5	6.0
1.8.2.2 Controls for Records Retrieval	DOE1324.6 Section 11.a	A	Incorp	WHC-CM-3-5	5.0
	DOE5500.7B Section 11.b	A	Incorp	WHC-CM-3-5	5.0
1.8.3.1 Controls for Records Retention and Storage Media	DOE1324.2A Preamble, Section 9.c	A	Incorp	WHC-CM-3-5	4.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE1324.2A Chapter II, Section 2.a(2)	A Incorp	WHC-CM-3-5	4.0
1.8.3.2 Controls for Authorized Records Disposition	DOE1324.2A Chapter I, Section 6	A Incorp	WHC-CM-3-5	4.0
	DOE1324.2A Chapter II, Section 2.d	A Incorp	WHC-CM-3-5	4.0
	DOE5500.7B Section 11.c	A Incorp	WHC-CM-3-5	6.0
1.9 Lessons Learned	DOE-O-232.1 Part 4.c.(3)	A Incorp	WHC-CM-1-5	7.1
	DOE5480.19(920518) Chapter VI, Section C.8	A Incorp	WHC-SP-0708	Chapter 6

3.2 Quality Assurance

Functional Area Title - Quality Assurance

1.0 INTRODUCTION - The Standards Requirements Identification Document (S/RID) project is a response to the Defense Nuclear Facilities Safety Board recommendation 90-2. In 1994, Title 10 of the Code of Federal Regulations, part 830.120 (10CFR830.120), "Quality Assurance", was issued for non-reactor nuclear facilities. Concurrent with the issue of 10CFR830.120 was a compliance enforcement which subjects the operator of non-reactor nuclear facilities to criminal and civil penalties for failure to comply with the code.

Therefore, for the quality assurance functional area, 10CFR830.120 is the S/RID document for TWRS and contains ten topical criteria. Each of the ten criteria contains topical criteria details. The details were evaluated to determine the level of detail to list for assessment. It was determined that the topical criteria were the proper level for identification as sub-elements and further detail breakdown as sub-subelements was not beneficial. The details are so closely interrelated that taking them out of context and listing them separately invited misinterpretation and confusion. Also, the implementing programs are typically described in the same procedures for all parts of any specific criterion and there is no benefit to listing sub-subelements. Therefore, the ten sub-elements (criteria) are the basis for the quality assurance functional area.

The assessment team was composed of two TWRS QA quality engineers from the TWRS QA assessment organization. The scope of the assessment was to review the quality assurance manuals to ensure they contained adequate quality assurance program descriptions for each of the ten criteria contained in the code. The team members individually evaluated each criterion versus the manuals and cited implementing procedures. Then, they jointly concurred with final citations for the report. The assessment process ensured that the manuals cited for each criterion covered the criterion in total.

The assessment results were given to the assessment lead (M.D. Hassebrock), a third party, for data entry into the electronic file. The assessment lead verified the data by obtaining procedure number, title, revision, and issue date from the current manuals and confirmed the subject matter content. Therefore, the electronic file data are expected to be reliable. The phase 2 assessment will provide additional data verification.

Of the ten criteria, "Independent Assessment" contains no requirements in the Tank Farm S/RID. For the Hanford site, WHC's management assigned the responsibility for "independent assessment criteria" to the Facilities Evaluation Board (FEB). The FEB is responsible to perform the independent

assessments for the Hanford site including TWRS. As a result, the Tank Farms S/RID Quality Assurance functional area contains only nine requirements.

2.0 SUMMARY - The purpose of the phase 1 assessment was to identify where the S/RID requirements were implemented in procedures or instructions. Deficiencies were to be noted, graded for significance, and evaluated for actions required to resolve the deficiencies.

For specific criteria, the specific procedures from the manuals are identified in the details sections. The manuals evaluated and cited in this report are as follows.

WHC-CM-2-1, Procurement Manual and Procedures
WHC-CM-4-2, Quality Assurance Manual
WHC-CM-4-5, Quality Assurance Qualifications and Instructions
WHC-CM-6-34, TWRS Quality Management Plan
WHC-CM-6-50, TWRS Quality Assurance
WHC-SP-1131, WHC Quality Assurance Implementation Plan

For the quality assurance functional area there were no deficiencies noted at the time of the assessment that are not fully covered in the implementation plan. All nine criteria are adequately implemented by the programs described in the documents evaluated and reported in this report. The phase 2 assessment will determine how well the programs are implemented in the various areas.

3.0 DETAILED RESULTS -- Each sub-element of the SRID for the quality assurance functional area is adequately described in controlled company manuals and procedures. The results at the element level are depicted on Table 3.1 QA S/RID Element Status. The table is comprised of four columns. The first column is call "Element Identifier" which identifies the element and subelement within this functional area. The second column marked "Element Description" is self explanatory. The last two columns "Inc." and "Dis." stand for incorporated and discrepant. As can be noted on the table, all requirements are incorporated.

Listed below are subelement requirement descriptions:

2.1 Quality Assurance Program -- The quality assurance program element requirement provides for a quality assurance program that describes the organizational structure, responsibilities, interfaces, and describes the management process.

2.2 Training and Qualification of Personnel -- The training and qualification personnel element requirement provides for personnel training.

2.3 Quality Improvement -- The quality improvement element requirement provides for a process to detect and prevent quality problems. Under the process, problems are identified and resolved.

2.4 Documents and Records -- The documents and records element requirement provides for preparation, review, approval, revision, storage of documents/records.

2.5 Work Processes -- The work process element requirement provides that work be accomplished to established technical standards and administrative controls, using an appropriate process.

2.6 Design -- The design element requirement provides designs developed from sound scientific and engineering principles and bases. Additionally, it provides that design interfaces be controlled and that a design verification process be employed before the design is approved for construction.

2.7 Procurement -- The procurement element requirement ensures that procured items meet the established requirements and that it includes a supplier qualification process.

2.8 Inspection and Acceptance Testing -- The inspection and acceptance testing element requirement provides that inspection and testing follow established procedures and testing equipment be maintained and calibrated.

2.9 Management Assessment -- The management assessment element requirement provides that managers assess management processes, identify problems, and correct them.

2.10 Independent Assessment -- The independent assessment element requirement is the element criterion implemented at the site level and not assessed in this evaluation. Independent assessments are not typically completed by TWRS, rather, the Facilities Evaluation Board (FEB) performs independent assessments conducted at TWRS facilities.

Table 3.1 QA S/RID Element Status

Element Identifier	Element Description	Inc.	Dis.
2.1	Quality Assurance Program	1	0
2.2	Training and Qualification of Personnel	1	0
2.3	Quality Improvement	1	0
2.4	Documents and Records	1	0
2.5	Work Processes	1	0
2.6	Design	1	0
2.7	Procurement	1	0
2.8	Inspection and Acceptance Testing	1	0
2.9	Management Assessment	1	0

9/10/9

QA
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	All	All	Price	9

2.2 Quality Assurance Program
10CFR830 Part 120(c)(1)(i)

INC

2.3 Training and Qualification of Personnel
10CFR830 Part 120(c)(1)(ii)

2.4 Quality Improvement
10CFR830 Part 120(c)(1)(iii)

2.5 Documents and Records
10CFR830 Part 120(c)(1)(iv)

2.6 Work Processes
10CFR830 Part 120(c)(2)(i)

2.7 Design
10CFR830 Part 120(c)(2)(ii)

2.8 Procurement
10CFR830 Part 120(c)(2)(iii)

2.9 Inspection and Acceptance Testing
10CFR830 Part 120(c)(2)(iv)

2.10 Management Assessment
10CFR830 Part 120(c)(3)(i)

SRID Element	Location	Applicable Incorporated Implementing Manuals		
2.2 Quality Assurance Program	10CFR830 Part 120(c)(1)(i)	A Incorp	WHC-CM-4-2	QR 2.0
				QR 1.0
			WHC-CM-4-5	QAI 1.2
			WHC-CM-6-34	Section II
			WHC-CM-6-50	Section 4
2.3 Training and Qualification of Personnel	10CFR830 Part 120(c)(1)(ii)	A Incorp	WHC-CM-4-2	QI 2.6
				QR 2.0
			WHC-CM-4-5	PROC. 1.0
				PROC. 1.1
				PROC. 1.2
				PROC. 1.3
				PROC. 1.4
				PROC. 1.5
				PROC. 3.0
			WHC-CM-6-50	Sec. 6
2.4 Quality Improvement	10CFR830 Part 120(c)(1)(iii)	A Incorp	WHC-CM-4-2	QI 16.1
				QR 7.0
				QR 10.0
				QR 11.0
				QR 12.0
				QR 15.0
				QR 16.0
				QR 19.0
				QR 8
				QR 9.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
			WHC-CM-4-5	QAI 7.1
			WHC-CM-6-34	Section II
			WHC-CM-6-50	SECTION 13
				SECTION 14
2.5 Documents and Records	10CFR830 Part 120(c)(1)(iv)	A Incorp	WHC-CM-2-1	PP 1
			WHC-CM-4-2	QI 17.1
				QR 3.0
				QR 4.0
				QR 17.0
				QR 19.0
				QR 5.0
				QR 6.0
			WHC-CM-4-5	PROCED 1.6
				QAI 16.1
				QAI 2.5
				QAI 6.1
			WHC-CM-6-50	PROCEDURE 5.2
				PROCEDURE 7.1
				SECTION 15
2.6 Work Processes	10CFR830 Part 120(c)(2)(i)	A Incorp	WHC-CM-4-2	QI 7.6
				QR 3.0
				QR 4.0
				QR 12.0
				QR 13.0
				QR 14.0
				QR 15.0
				QR 18.0
				QR 8
				QR 9.0
			WHC-CM-4-5	QAI 13.2
				QAI 15.1
				QAI 3.1
				QAI 7.1

SRID Element	Location	[illegible]plicable Incorporated Implementing Manuals		
			WHC-CM-6-50	PROCED 13.2
				SECTION 11
2.7 Design	10CFR830 Part 120(c)(2)(ii)	A Incorp	WHC-CM-4-2	QR 3.0
				QR 19.0
			WHC-CM-4-5	QAI 2.5
				QAI 3.1
			WHC-CM-6-50	SECTION 7
2.8 Procurement	10CFR830 Part 120(c)(2)(iii)	A Incorp	WHC-CM-2-1	PP 15.2 BEST QUALIFIED SOURCE SELECTION
				PP 4.4
				PP 7 PREPROCUREMENT PLANNING
			WHC-CM-4-2	QR 7.0
			WHC-CM-4-5	QAI 4.1 EXTERNAL SERVICES CONTROL
			WHC-CM-6-50	SECTION 8 PROCUREMENT CONTROL
2.9 Inspection and Acceptance Testing	10CFR830 Part 120(c)(2)(iv)	A Incorp	WHC-CM-4-2	QI 10.2 INSP INSTR FOR MFG & FAB
				QR 11.0
				QR 12.0
				QR 14.0
				QR 19.0
			WHC-CM-4-5	QAI 11.1 TEST VERIFICATION
				QAI 4.1 EXTERNAL SERVICES CONTROL
				QAI 7.1
			WHC-CM-6-50	SECTION 10 INSPECTION AND TEST CONTROL
				SECTION 11
				SECTION 12 INSP, TEST, & OPER STATUS MARKING

SRID Element	Location	Applicable Incorporated Implementing Manuals		
2.10 Management Assessment	10CFR830 Part 120(c)(3)(i)	A Incorp	WHC-CM-4-2	QR 2.0
			WHC-CM-6-34	SECTION1.C MANAGEMENT ASSESSMENTS

3.3 Configuration Management

Configuration Management

1.0 INTRODUCTION

The Configuration Management functional area is comprised of three functional area elements containing requirements and includes 51 individual requirement statements. The evaluation was completed by Richard Stickney reporting to Shafik Rifaey, the Manager of TWRS Facility Operations Design Authority. Contributions and assistance was rendered by Mel Hassabrock reporting to Jim Hagan, Manager of TWRS safety and Quality Assurance and Dan Autery reporting to Rodney Brown, Manager of Clean Control Stable (CCS)-East.

The three functional area elements contained requirements and were evaluated: Management and Administration, Technical Baseline and Change Control. The assessment process evaluated whether existing manuals and documentation implemented the requirements under assessment. Individual manuals and documentation used as evidence are identified in the databases in the ERMI computer program. The manuals and documentation listed in the databases represent the evidence necessary to demonstrate the implementation status of the individual requirement.

The results of the completed assessment indicate that all but 4 of the Tank Farm S/RID requirements for the Configuration Management Functional Area are implemented in WHC controlled Manuals, Procedures, or Documents.

2.0 SUMMARY

Within the Configuration Management functional area, 51 individual requirements were evaluated. Of these, 45 were evaluated as being implemented in controlled procedures, two were evaluated as being not applicable, and four were evaluated as being discrepant, i.e., not totally implemented by WHC procedures. Of the four requirements evaluated as being discrepant, none require immediate compensatory action nor have any impact on safety-related criteria.

The following documents were evaluated and determined to implement the Configuration Management S/RID Requirements: Guide to Good Practices for Control of Equipment and System Status (DOE-STD-1039-93), Materials Management Manual (WHC-CM-2-2), Systems Engineering Manual (WHC-IP-1117), Work Management Guide (WHC-IP-1217), Configuration Management Program Plan for Hanford Site Systems Engineering (WHC-SD-GN-CM-2001), Engineering Release System Database System Application Description (WHC-SD-GN-SWD-30004), Design Reconstitution Program Plan for Waste Tank Farms and the 242-A Evaporator of Tank Waste Remediation Systems (WHC-SD-WM-CM-009), TWRS Configuration Management Program Plan (WHC-SD-WM-CM-013), TWRS

Configuration Management Program Implementation Plan (WHC-SD-WM-CM-014), Master Equipment List - Phase I (WHC-SD-WM-CSRS-023), TWRS System Final Safety Analysis Report Identification/Facility (WHC-SD-WM-HIE-007), Maintenance Optimization Plan for Essential Equipment Reliability (WHC-SP-1179), Standard Operating Practices (WHC-CM-1-5),Work Management Manual (WHC-CM-1-8), Procurement Manual and Procedures (WHC-CM-2-1), Document Control and Record Management Manual (WHC-CM-3-5), WHC Quality Assurance Manual (WHC-CM-4-2), Quality Assurance Qualifications and Instructions (WHC-CM-4-5), Safety Analysis Manual (WHC-CM-4-46), Standard Engineering Practices (WHC-CM-6-1), Project Management (WHC-CM-6-2), TWRS QA Manual (WHC-CM-6-50), TWRS Administrative Procedures (WHC-IP-0842, Volumes 1,2,3,4,5), Engineering Practices Guidelines (WHC-IP-1026), Westinghouse Hanford Company Conduct of Operations Manual (WHC-SP-0708).

3.0 DETAILED RESULTS

As noted earlier, this functional area has three elements containing requirements. Management and Administration (3.1) contains requirements dealing with program boundary definitions, program assessment, document and database control, training, and graded approach. It should be noted that the training requirements (Sub element 3.1.4) are covered in the training functional Area. Technical Baseline (3.2) has requirements dealing with establishing the technical baseline and reconstitution of the technical baseline. Change Control(3.3) has requirements dealing with control of changes to the technical baseline.

Table 3.1 Configuration Management S/RID Element Status follows and shows each element along with its status as being "incorporated" (Inc), "discrepant" (Dis), or "not applicable" (N/A). Any items marked "Dis" are discussed in paragraph 4.0 Discrepancies.

A total of 45 incorporated requirements are reflected on Table 3.1, as well as four discrepant requirements. Two requirements were judged not applicable.

Table 3.1 Configuration Management S/RID Element Status

Element Identifier	Element Description	Inc	Dis	N/A
3.1	Management and Administration	21	4	2
3.2	Technical Baseline	15		
3.3	Change Control	9		

4.0 DISCREPANCIES

The following describes the discrepancies listed in the Table 3.1. For each discrepancy, there is a stated plan of action for resolution. In addition, the priority of the resolution action is identified. Priorities have been grouped into three categories: Immediate, prompt, or routine actions. Immediate actions are those necessary to resolve a safety-related compliance issue and would be resolved within 2-4 weeks. Prompt actions are those that are administrative in nature but do affect the ability of WHC to demonstrate compliance with regulatory requirements and would be completed within 12-16 weeks. Routine actions are those actions necessary to update forms or procedures (e.g., additional instructions, guidance, or control requirements) and would be completed at the next procedure revision cycle.

1) Sub-element 3.1.2 Program Assessment

DOE-STD-1073-93 Chapter 1, Section 1.3.5.1, Paragraph a, Sent. 1 thru 5

This section requires that Initial assessments include two vertical slice assessments, one of these on a safety system related to a principal facility hazard. Also two horizontal slice assessments are specified; one of these on change control and the other on a technical topical area.

Routine - To WHC-IP-0842 Volume 1 Section 2.10 and 6.0, add provisions to conduct the initial assessments of the nature and scope specified.

Routine - To WHC-SD-WM-CM-014 Criteria XII CM Program Assessments, add provisions to conduct the initial assessments of the nature and scope specified.

2) Sub-element 3.1.2 Program Assessment

DOE-STD-1073-93 Chapter 1, Section 1.3.5.1, Paragraph b

This section requires that post-implementation assessments be performed to determine if identified weaknesses are effective in accomplishing the CM functions.

Routine - To WHC-IP-0842 Volume 1 Section 2.10 and 6.0, add provisions to conduct post-implementation assessments to determine if corrective actions are effective for identified weaknesses.

Routine - To WHC-SD-WM-CM-014 Criteria XII CM Program Assessments, add provisions to conduct post-implementation assessments to determine if corrective actions are effective for identified weaknesses.

3) Sub-element 3.1.2 Program Assessment

DOE-STD-1073-93 Chapter 1, Section 1.3.5.1, Paragraph c

This section requires that periodic effectiveness assessments including vertical and horizontal slice assessments be conducted to measure the overall CM program effectiveness and determine if CM program controls are adequate and appropriate.

Routine - To WHC-IP-0842 Volume 1 Section 2.10 and 6.0, add provisions to conduct the periodic effectiveness assessments of the nature and scope specified.

Routine - To WHC-SD-WM-CM-014 Criteria XII CM Program Assessments, add provisions to conduct the periodic effectiveness assessments of the nature and scope specified.

4) Sub-element 3.1.3 Document And Database Control

DOE-STD-1073-93 Chapter 2, Section 2.1.3, Paragraph 7 Sentence 2

This section requires that special controls be instituted to ensure that any databases used for CM purposes is protected to prevent inadvertent or unauthorized changes of the data.

Routine - To WHC-CM-3-5 Document Control and Record Management Manual, WHC-CM-3-10 Software Practices, WHC-CM-4-2 WHC Quality Assurance Manual, WHC-CM-6-1 Standard Engineering Practices, and WHC-IP-1026 Engineering Practices Guidelines, add sections or discussions on the application, administration and control of databases that are used for CM purposes that protects data from inadvertent or unauthorized changes.

Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	45

INC

3.1 Management and Administration
- 10CFR830 Part 120(c)(2)(i)
- DOE-STD-1073-93 Chapter 2, Section 2.1.2, Paragraph 6, Sent. 2 thru 4
- DOE-STD-1073-93 Chapter 2, Section 2.1.4.1, Paragraph 3, Sent. 1 thru 3
- DOE-STD-1073-93 Chapter 2, Section 2.1.4.2, Paragraph 1, Sent. 1 and 3
- DOE-STD-1073-93 Chapter 2, Section 2.1.4.2, Paragraph 2, Sent. 1 and 2
- DOE-STD-1073-93 Chapter 2, Section 2.1.4.3, Paragraph 1
- DOE-STD-1073-93 Chapter 2, Section 2.2.1.5, Paragraph 1

3.1.2 Program Assessment
- DOE-STD-1073-93 Chapter 1, Section 1.3.5.2
- DOE-STD-1073-93 Chapter 1, Section 1.3.5.3
- DOE-STD-1073-93 Chapter 1, Section 1.3.5.4
- DOE-STD-1073-93 Chapter 2, Section 2.3.1.1, Paragraph 2
- DOE-STD-1073-93 Chapter 2, Section 2.3.1.2, Paragraph 1, Sentences 1 & 2
- DOE-STD-1073-93 Chapter 2, Section 2.5.3.3, Paragraph 3, Sent. 1 and 4

3.1.3 Document and Database Control
- 10CFR830 Part 120(c)(1)(iv)
- DOE-STD-1073-93 Chapter 1, Section 1.3.1.5
- DOE-STD-1073-93 Chapter 2, Section 2.1.3, Paragraph 3
- DOE-STD-1073-93 Chapter 2, Section 2.1.3, Paragraph 5
- DOE-STD-1073-93 Chapter 2, Section 2.1.3, Paragraph 8
- DOE-STD-1073-93 Chapter 2, Section 2.3.2.4, Paragraph 3
- DOE-STD-1073-93 Chapter 2, Section 2.3.2.4, Paragraph 4, Sent. 1 and 6

3.1.5 Graded Approach
- DOE-STD-1073-93 Chapter 1, Section 1.4.2.5, Paragraph 1

3.2 Technical Baseline
- DOE-STD-1073-93 Chapter 1, Section 1.3.2.1, Paragraph c
- DOE-STD-1073-93 Chapter 1, Section 1.3.2.1, Paragraph d
- DOE-STD-1073-93 Chapter 1, Section 1.3.2.2
- DOE-STD-1073-93 Chapter 1, Section 1.3.2.3
- DOE-STD-1073-93 Chapter 1, Section 1.3.2.4

3.2.1 Establishing The Technical Baseline
- DOE-STD-1073-93 Chapter 1, Section 1.3.2.5, Paragraph b
- DOE-STD-1073-93 Chapter 2, Section 2.2.1, Paragraph 2
- DOE-STD-1073-93 Chapter 2, Section 2.2.1.2, Paragraph 2

3.2.2 Reconstitution of the Technical Baseline
- DOE-STD-1073-93 Chapter 1, Section 1.3.6.1
- DOE-STD-1073-93 Chapter 1, Section 1.3.6.2, Paragraph a
- DOE-STD-1073-93 Chapter 1, Section 1.3.6.2, Paragraph b
- DOE-STD-1073-93 Chapter 1, Section 1.3.6.3
- DOE-STD-1073-93 Chapter 1, Section 1.3.6.4, Sentences 2 and 3
- DOE-STD-1073-93 Chapter 1, Section 1.3.6.5
- DOE-STD-1073-93 Chapter 1, Section 1.3.6.6, Paragraph 1

3.3 Change Control
- DOE-GUIDE-10CFR830 Section 6.6
- DOE-STD-1073-93 Chapter 1, Section 1.3.4.1
- DOE-STD-1073-93 Chapter 1, Section 1.3.4.2
- DOE-STD-1073-93 Chapter 1, Section 1.3.4.3
- DOE-STD-1073-93 Chapter 1, Section 1.3.4.4
- DOE-STD-1073-93 Chapter 1, Section 1.3.4.5
- DOE-STD-1073-93 Chapter 2, Section 2.4.1.1, Paragraph 2, Sentence 4
- DOE-STD-1073-93 Chapter 2, Section 2.4.1.2, Paragraph 1
- DOE-STD-1073-93 Chapter 2, Section 2.4.2.1

9/20/96

CM
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Not	4

Discrepant

3.1.2 Program Assessment
DOE-STD-1073-93 Chapter 1, Section 1.3.5.1, Paragraph a, Sent. 1 thru 5
DOE-STD-1073-93 Chapter 1, Section 1.3.5.1, Paragraph b
DOE-STD-1073-93 Chapter 1, Section 1.3.5.1, Paragraph c

3.1.3 Document and Database Control
DOE-STD-1073-93 Chapter 2, Section 2.1.3, Paragraph 7, Sentence 2

9/20/96

CM
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
No	SRID	All	Not Marked	2

NA

3.1.2 Program Assessment
DOE-STD-1073-93 Chapter 2, Section 2.5.3.1, Sentences 1 thru 4

3.1.3 Document and Database Control
DOE-STD-1073-93 Chapter 2, Section 2.1.3, Paragraph 2

SRID Implementing Manuals Report for CM

SRID Element	Location	Applicable Incorporated Implementing Manuals		
3.1 Management and Administration	10CFR830 Part 120(c)(2)(i)	A Incorp	NEW_WHC-CM-2.2	MCP-1
				MCP-3
			WHC-CM-1-8	1.0
				4.4
				5.4
				5.8
			WHC-CM-3-5	12.7
			WHC-IP-0842, VOL 1	2.2
			WHC-IP-0842, VOL 2	2.1
				4.2.1
			WHC-IP-0842, VOL 3	7.5
			WHC-IP-0842, VOL 5	3.8
				7.1
	DOE-STD-1073-93 Chapter 2, Section 2.1.2, Paragraph 6, Sent. 2 thru 4	A Incorp	WHC-CM-6-1	EP-1.1
				EP-1.2
				EP-2.2
				EP-3.3
				EP-4.1
				EP-4.2
			WHC-IP-1026	Entire Document
	DOE-STD-1073-93 Chapter 2, Section 2.1.4.1, Paragraph 3, Sent. 1 thru 3	A Incorp	NEW_WHC-SD-GN-CM-2001	ALL
			NEW_WHC-SD-WM-CM-013	1.0
				2.0
				3.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
				5.0
				6.0
				8.0
			NEW_WHC-SD-WM-CM-014	ALL
			WHC-CM-4-2	QR 2.0
	DOE-STD-1073-93 Chapter 2, Section 2.1.4.2, Paragraph 1, Sent. 1 and 3	A Incorp	NEW_WHC-SD-GN-CM-2001	ALL
			NEW_WHC-SD-WM-CM-013	ALL
			NEW_WHC-SD-WM-CM-014	ALL
			WHC-CM-4-2	QR 3.0
			WHC-CM-6-1	ALL
			WHC-IP-0842, VOL 4	1.1 (NEW SECTION) WHC-IP-1231 PROC. 1.0
				2.1 (NEW)
				2.3 (SMS-03)
				2.5 (WHC-IP-1231 PROC. 5.0)
				2.6 (WHC-IP-12131 PROC. 6.0)
				2.7 (WHC-IP-1231 PROC. 11.0)
				3.1 (WHC-IP-1231 PROC. 1.0)
				3.10 (SMS-14)

SRID Element	Location	Applicable Incorporated Implementing Manuals
		3.11 (SMS-11)
		3.12 (SMS-19)
		3.13 (SMS-02)
		3.2 (WHC-IP-1231 PROC.2.0)
		3.3 (WHC-IP-1231 PROC. 3.0)
		3.5 (SMS-17)
		3.6 (SMS-06)
		3.7 (WHC-IP-1231 PROC. 7.0)
		3.8 (WHC-IP-1231 PROC. 8.0
		3.9 (WHC-IP-1231 PROC. 9.0)
		4.13 (WAS 3.3)
		4.5
		5.1
		5.10 (SMS-10)
		5.11 (SMS-07)
		5.12 (SMS-05)
		5.2
		5.3

SRID Element	Location		Applicable Incorporated Implementing Manuals	
				5.4
				5.5
				5.6
				5.8 (SMS-01)
				5.9 (SMS-09)
			WHC-IP-1026	Entire Document
	DOE-STD-1073-93 Chapter 2, Section 2.1.4.2, Paragraph 2, Sent. 1 and 2	A Incorp	NEW_WHC-SD-GN-CM-2001	ALL
			NEW_WHC-SD-WM-CM-013	ALL
			WHC-CM-3-5	1.0
				1.2
				12.0
				12.10
				12.5
				12.7
				5.0
				9.0
			WHC-CM-4-2	QR 3.0
				QR 11.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
				QR 14.0
				QR 18.0
				QR 19.0
				QR 6.0
			WHC-CM-6-1	ALL
				EP 2.2
				EP-1.3
				EP-1.7
				EP-2.3
				EP-2.4
				EP-2.5
				EP-4.2
			WHC-IP-1026	Entire Document
	DOE-STD-1073-93 Chapter 2, Section 2.1.4.3, Paragraph 1	A Incorp	NEW_WHC-SD-WM-CM -014	ALL
			WHC-CM-4-2	QR 3.0
			WHC-IP-0842, VOL 4	1.1 (NEW SECTION) WHC-IP-1231 PROC. 1.0
				2.3 (SMS-03)
				2.4 (WHC-IP-1231 PROC. 4.0)

SRID Element	Location	Applicable Incorporated Implementing Manuals
		2.5 (WHC-IP-1231 PROC. 5.0)
		3.1 (WHC-IP-1231 PROC. 1.0)
		3.10 (SMS-14)
		3.11 (SMS-11)
		3.12 (SMS-19)
		3.13 (SMS-02)
		3.2 (WHC-IP-1231 PROC.2.0)
		3.3 (WHC-IP-1231 PROC. 3.0)
		3.5 (SMS-17)
		3.6 (SMS-06)
		3.7 (WHC-IP-1231 PROC. 7.0)
		3.8 (WHC-IP-1231 PROC. 8.0)
		4.10
		4.13 (WAS 3.3)
		4.5
		4.6
		4.7
		5.1

SRID Element	Location	Applicable Incorporated Implementing Manuals			
				5.10 (SMS-10)	
				5.11 (SMS-07)	
				5.12 (SMS-05)	
				5.2	
				5.3	
				5.4	
				5.5	
				5.6	
				5.8 (SMS-01)	
				5.9 (SMS-09)	
	DOE-STD-1073-93 Chapter 2, Section 2.2.1.5, Paragraph 1	A Incorp	NEW_WHC-SD-WM-CSRS-023	ALL	
			WHC-IP-0842, VOL 4	4.13 (WAS 3.3)	
2.1.2 Program Assessment	DOE-STD-1073-93 Chapter 1, Section 1.3.5.1, Paragraph a, Sent. 1 thru 5	A Dis	NEW_WHC-SD-WM-CM-014	CRITERIA XII	Revit
			WHC-CM-4-2	QI 2.8	
			WHC-IP-0842, VOL 1	2.10	Revit
				6.0	Revit

SRID Element	Location		Applicable Incorporated Implementing Manuals		
	DOE-STD-1073-93 Chapter 1, Section 1.3.5.1, Paragraph b	A Dis	NEW_WHC-SD-WM-CM -014	CRITERIA XII	Revit
			WHC-CM-4-2	QI 2.8	
			WHC-IP-0842, VOL 1	2.10	Revit
				6.0	Revit
	DOE-STD-1073-93 Chapter 1, Section 1.3.5.1, Paragraph c	A Dis	NEW_WHC-SD-WM-CM -014	CRITERIA XII	Revit
			WHC-CM-4-2	QI 2.8	
			WHC-IP-0842, VOL 1	2.10	Revit
				6.0	Revit
	DOE-STD-1073-93 Chapter 1, Section 1.3.5.2	A Incorp	NEW_WHC-SD-WM-HIE -007	ALL	
			WHC-CM-6-2	2.0	
			WHC-IP-0842, VOL 4	3.13 (SMS-02)	
				4.13 (WAS 3.3)	
			WHC-IP-0842, VOL 5	2.7	
	DOE-STD-1073-93 Chapter 1, Section 1.3.5.3	A Incorp	WHC-CM-4-2	QR 2.0	
				QR 11.0	
				QR 14.0	
			WHC-CM-6-1	EP-4.2	
			WHC-IP-0842, VOL 4	4.6	
				4.7	
	DOE-STD-1073-93 Chapter 1, Section 1.3.5.4	A Incorp	WHC-CM-6-1	EP-4.2	
			WHC-IP-0842, VOL 5	5.6	
				7.2	
	DOE-STD-1073-93 Chapter 2, Section 2.3.1.1, Paragraph 2	A Incorp	WHC-CM-3-5	1.0	
			WHC-CM-4-2	QR 3.0	
				QR 6.0	
			WHC-IP-1026	EPG-2.0	
				Entire Document	

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE-STD-1073-93 Chapter 2, Section 2.3.1.2, Paragraph 1, Sentences 1 & 2	A Incorp	WHC-CM-3-5	12.0
				8.3
			WHC-CM-4-2	QR 3.0
	DOE-STD-1073-93 Chapter 2, Section 2.5.3.3, Paragraph 3, Sent. 1 and 4	A Incorp	NEW_WHC-IP-1217	2.0
			NEW_WHC-SP-1179	ALL
3.1.3 Document and Database Control	10CFR830 Part 120(c)(1)(iv)	A Incorp	WHC-CM-2-1	PP 1
			WHC-CM-4-2	QI 17.1
				QR 3.0
				QR 4.0
				QR 17.0
				QR 19.0
				QR 5.0
				QR 6.0
			WHC-CM-4-5	PROCED 1.6
				QAI 16.1
				QAI 2:5
				QAI 6.1
			WHC-CM-6-1	EP-1.1
				EP-1.6
				EP-1.7
			WHC-CM-6-50	PROCEDURE 5.2
				PROCEDURE 7.1
				SECTION 15
	DOE-STD-1073-93 Chapter 1, Section 1.3.1.5	A Incorp	NEW_WHC-IP-1117	PART III
			NEW_WHC-SD-GN-CM-2001	ALL
			NEW_WHC-SD-WM-CM-014	CRITERIA III
			WHC-CM-3-10	ALL

SRID Element	Location	Applicable Incorporated Implementing Manuals			
			WHC-CM-3-5	5.0	
				5.0	
			WHC-CM-4-2	QR 19.0	
				QR 19.0	
	DOE-STD-1073-93 Chapter 2, Section 2.1.3, Paragraph 3	A Incorp	NEW_WHC-IP-1117	PART III	
			NEW_WHC-SD-GN-CM-2001	ALL	
			NEW_WHC-SD-WM-CM-014	CRITERIA III	
			NEW_WHC-SD-WM-CSRS-023	ALL	
			WHC-CM-3-10	ALL	
			WHC-CM-3-5	5.0	
			WHC-CM-4-2	QR 19.0	
				QR 19.0	
	DOE-STD-1073-93 Chapter 2, Section 2.1.3, Paragraph 5	A Incorp	WHC-CM-4-2	QR 19.0	
				QR 19.0	
	DOE-STD-1073-93 Chapter 2, Section 2.1.3, Paragraph 7, Sentence 2	A Dis	WHC-CM-3-10	TBD	**Revit**
			WHC-CM-3-5	NEW	**Revit**
			WHC-CM-4-2	NEW	**Revit**
			WHC-CM-6-1	NEW SECTION	**Revit**
			WHC-IP-1026	TBD	**Revit**
	DOE-STD-1073-93 Chapter 2, Section 2.1.3, Paragraph 8	A Incorp	NEW_WHC-SD-WM-CSRS-023	ALL	
			WHC-CM-4-2	QR 2.0	
			WHC-IP-0842, VOL 4	5.2	
				5.9 (SMS-09)	

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE-STD-1073-93 Chapter 2, Section 2.3.2.4, Paragraph 3	A Incorp	NEW_WHC-SD-WM-CSRS-023	ALL
	DOE-STD-1073-93 Chapter 2, Section 2.3.2.4, Paragraph 4, Sent. 1 and 6	A Incorp	WHC-CM-3-5	5.0
			WHC-CM-6-1	EP-1.1
3.1.5 Graded Approach	DOE-STD-1073-93 Chapter 1, Section 1.4.2.5, Paragraph 1	A Incorp	WHC-CM-4-46	2.0
				9.0
			WHC-IP-0842, VOL 4	3.10 (SMS-14)
				5.2
				5.9 (SMS-09)
3.2 Technical Baseline	DOE-STD-1073-93 Chapter 1, Section 1.3.2.1, Paragraph c	A Incorp	NEW_WHC-SD-GN-SWD-30004	ALL
			WHC-CM-6-1	EP-1.3
	DOE-STD-1073-93 Chapter 1, Section 1.3.2.1, Paragraph d	A Incorp	WHC-CM-4-2	QR 3.0
			WHC-IP-0842, VOL 4	3.10 (SMS-14)
	DOE-STD-1073-93 Chapter 1, Section 1.3.2.2	A Incorp	WHC-IP-0842, VOL 4	3.10 (SMS-14)
	DOE-STD-1073-93 Chapter 1, Section 1.3.2.3	A Incorp	WHC-CM-4-46	9.0
				9.0
			WHC-IP-0842, VOL 4	5.9 (SMS-09)
	DOE-STD-1073-93 Chapter 1, Section 1.3.2.4	A Incorp	WHC-CM-4-46	9.0
			WHC-IP-0842, VOL 4	3.10 (SMS-14)
3.2.1 Establishing The Technical Baseline	DOE-STD-1073-93 Chapter 1, Section 1.3.2.5, Paragraph b	A Incorp	WHC-CM-4-2	QR 3.0
			WHC-IP-0842, VOL 4	3.10 (SMS-14)

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE-STD-1073-93 Chapter 2, Section 2.2.1, Paragraph 2	A Incorp	WHC-IP-0842, VOL 4	3.10 (SMS-14)
	DOE-STD-1073-93 Chapter 2, Section 2.2.1.2, Paragraph 2	A Incorp	WHC-IP-0842, VOL 4	3.12 (SMS-19)
3.2.2 Reconstitution of the Technical Baseline	DOE-STD-1073-93 Chapter 1, Section 1.3.6.1	A Incorp	NEW_WHC-SD-WM-CM-009	1.2
				1.3
				2.0
				3.0
	DOE-STD-1073-93 Chapter 1, Section 1.3.6.2, Paragraph a	A Incorp	NEW_WHC-SD-WM-CM-009	2.3
				4.0
			WHC-CM-4-2	QR 3.0
	DOE-STD-1073-93 Chapter 1, Section 1.3.6.2, Paragraph b	A Incorp	NEW_WHC-SD-WM-CM-009	4.0
			WHC-CM-4-2	QR 3.0
			WHC-CM-6-1	EP-4.1
	DOE-STD-1073-93 Chapter 1, Section 1.3.6.3	A Incorp	NEW_WHC-SD-WM-CM-009	2.4
				4.0
			WHC-CM-4-2	QR 3.0
			WHC-CM-6-1	EP-4.1
			WHC-IP-0842, VOL 1	5.1

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE-STD-1073-93 Chapter 1, Section 1.3.6.4, Sentences 2 and 3	A Incorp	NEW_WHC-SD-WM-CM -009	2.5
				4.0
			WHC-CM-1-5	7.3
			WHC-CM-6-1	EP-4.1
	DOE-STD-1073-93 Chapter 1, Section 1.3.6.5	A Incorp	NEW_WHC-SD-WM-CM -009	2.6
			WHC-CM-4-2	QR 3.0
			WHC-CM-6-1	EP-4.1
	DOE-STD-1073-93 Chapter 1, Section 1.3.6.6, Paragraph 1	A Incorp	NEW_WHC-SD-WM-CM -009	2.7
				4.0
3.3 Change Control	DOE-GUIDE-10CFR830 Section 6.6	A Incorp	NEW_DOE-STD-1039-93	4.9
			WHC-CM-4-2	QR 3.0
			WHC-CM-6-1	EP 2.2
				EP-4.1
			WHC-IP-0842, VOL 2	4.8.1
			WHC-IP-0842, VOL 4	3.11 (SMS-11)
				4.5
			WHC-SP-0708	Entire Document
	DOE-STD-1073-93 Chapter 1, Section 1.3.4.1	A Incorp	WHC-CM-4-2	QR 3.0
			WHC-IP-0842, VOL 4	3.11 (SMS-11)
				3.13 (SMS-02)
				5.10 (SMS-10)
				5.4

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE-STD-1073-93 Chapter 1, Section 1.3.4.2	A Incorp	WHC-CM-4-2	QR 3.0
			WHC-CM-6-1	EP-4.1
			WHC-IP-0842, VOL 4	3.11 (SMS-11)
	DOE-STD-1073-93 Chapter 1, Section 1.3.4.3	A Incorp	WHC-CM-6-1	EP 2.2
				EP-2.2
	DOE-STD-1073-93 Chapter 1, Section 1.3.4.4	A Incorp	WHC-CM-6-1	EP-2.2
			WHC-IP-0842, VOL 4	4.5
	DOE-STD-1073-93 Chapter 1, Section 1.3.4.5	A Incorp	WHC-CM-4-2	QR 3.0
				QR 3.0
			WHC-CM-6-1	EP-2.2
	DOE-STD-1073-93 Chapter 2, Section 2.4.1.1, Paragraph 2, Sentence 4	A Incorp	WHC-CM-4-2	QR 3.0
			WHC-CM-6-1	EP 2.2
			WHC-IP-0842, VOL 4	4.5
	DOE-STD-1073-93 Chapter 2, Section 2.4.1.2, Paragraph 1	A Incorp	WHC-CM-4-2	QR 3.0
			WHC-CM-6-1	EP 2.2
			WHC-IP-0842, VOL 4	5.6
	DOE-STD-1073-93 Chapter 2, Section 2.4.2.1	A Incorp	WHC-CM-4-2	QR 3.0
			WHC-CM-6-1	EP 2.2
			WHC-IP-0842, VOL 4	5.10 (SMS-10)
				5.6
			WHC-IP-1026	Entire Document

3.4 Training & Qualification

TWRS Training & Qualification

1.0 INTRODUCTION

The Training and Qualification chapter of the Tank Farm SRID is comprised of five (5) functional area elements and includes 110 individual requirement statements. The evaluation was completed by a staff member reporting to the Manager, Training and Procedures. Information was reviewed from internal procedures with outside assistance from Hanford Training Center personnel. The assessment process used reviewed departmental procedures first for verification of requirement statements. The five functional area elements evaluated were: 1) Management and Administration, 2) Administration of Training, 3) Training Categories and Subjects, 4) Training Records and Documentation, and 5) Accreditation.

2.0 SUMMARY

Within the Training & Qualification functional area, the total number of requirements evaluated was 110. Of these, 97 were evaluated as being included in existing training procedures/documents, 11 were identified as discrepant (Note: 7 of the 11 discrepant items were from the Accreditation area, which has been put on indefinite hold by DOE), and 2 items have been determined to NOT be a part of the Tank Farm Training & Qualification SRID. Of the 11 items identified as discrepant, none require immediate compensatory action or have any impact on safety-related criteria.

The following documents were evaluated and determined to include the Training & Qualification SRID criteria:

1 - Training Course # 350710 "Tank Farms Orientation"
2 - Hanford Site Radiological Control Manual
3 - WHC-IP-0842, "TWRS Administration Manual", Vol 1, 2, 3, 5
4 - WHC-IP-0971, "Emergency Measures"
5 - WHC-IP-1041, "Appointments of Personnel NOT Meeting Selection Criteria"
6 - WHC-IP-1184, "Training Program Descriptions"

3.0 DETAILED RESULTS

Table 3.1 T&Q S/RID Element Status contains four columns; the first shows the Functional Area sub-element numerical identifier, the second

Table 3.1 T&Q S/RID Element Status

Element Identifier	Element Description	Inc	Dis
4.1.1	Program Policy	3	0
4.1.2	Training Organization Staffing and Training	4	0
4.2	Administration of Training	12	0
4.2.1	Selection and Qualification	2	0
4.2.2	Training Needs Assessment	4	0
4.2.3	Design and Development	2	0
4.2.4	Implementation	1	0
4.2.5	Evaluation	4	0
4.2.7	Training Schedules	1	0
4.2.8.1	Testing	3	1
4.2.8.2	Qualification and Requalification	10	1
4.2.10	Extension, Exceptions and Alterations	10	1
4.3.1	General Employee Training	3	0
4.3.1.1	Lockout and Tagout Training	1	0
4.3.1.2	Hazard Communication Training	3	0
4.3.2	Maintenance Training Program	4	1
4.3.3	Management and Supervisory Training	6	0
4.3.4	Operator Training	6	0
4.3.5	Continuing Training	3	0
4.3.6	Technical Support Personnel Training	9	0
4.4	Training Records and Documentation	6	0
4.5	Accreditation	0	7

shows the sub-element description, the third and fourth show the sub-element requirement status as being either "incorporated" (Inc) or "discrepant" (Dis) respectively. Any items marked "Dis" are discussed in paragraph 4.0 Discrepancies.

1 - Management and Administration

This area included the criteria for Training Program Policy and the Training Organization/Staffing. Seven (7) requirements are identified, of which, all seven (7) are incorporated.

2 - Administration of Training

This area included the criteria for Training Selection and Qualification, the Design, Development, and Implementation of training programs, Training Schedules, Testing, Initial Qualification and Requalification, and Training Extensions, Exceptions, and Alterations. Fifty-two (52) requirements are identified, of which, forty-nine (49) are incorporated, and three (3) are discrepant.

3 - Training Categories and Subjects

This area included the criteria for the different types of training programs that are administered including: General Employee, Maintenance, Operator, Manager, Technical Staff, and Continuing training. Thirty-eight (38) requirements are identified, of which thirty-five are incorporated, one (1) is discrepant, and two (2) are identified as NOT being applicable to the Tank Farm Training & Qualification SRID.

4 - Training Records and Documentation

This area included the criteria for Training Records Administration. Eight (8) requirements are identified, of which, all (6) are incorporated. Two requirements were judged as not applicable.

5 - Accreditation.

This area include the criteria for Training Program Accreditation. Seven (7) requirements are identified, of which, all seven (7) are discrepant.

4.0 DISCREPANCIES

The following describes the discrepancies listed in the Element Identifier table. For each discrepancy, there is a stated plan of action for resolution.

1) Sub-Element - 4.2.8.1 - Testing

Discrepancy: An exemption allowance/statement for examination preparers is not included in WHC-IP-0842, Vol III.

Resolution: Add exemption statement for examination preparers in WHC-IP-0842, Vol III, Section 7.3 "Conduct of Written Examinations".

Urgency: Prompt

2) Sub-Element - 4.2.8.2 - Qualification and Requalification

Discrepancy: The continuing training criteria is not listed in WHC-IP-0842, Vol III, Section 10.4 "Operations Engineer Training Program", paragraph 5.4.

Resolution: Update WHC-IP-0842, Vol III, Section 10.4 "Operations Engineer Training Program", paragraph 5.4 to include the continuing training program criteria.

Urgency: Prompt

3) Sub-Element - 4.2.10 - Extension, Exceptions, and Alterations

Discrepancy: Currently there is no language covering challenge examinations included in WHC-IP-0842, Vol III, Section 7.3 "Conduct of Written Examinations".

Resolution: Add language covering challenge examinations to WHC-IP-0842, Vol III, Section 7.3 "Conduct of Written Examinations".

Urgency: Prompt

4) Sub-Element - 4.3.2 - Maintenance Training Program

Discrepancy: A course in Root-Cause Analysis is not included in WHC-IP-0842, Vol III, Section 10.6 "Maintenance Training Program".

Resolution: Evaluate need for Root-Cause Analysis course as part of WHC-IP-0842, Vol III, Section 10.6 "Maintenance Training Program". Based on this evaluation results, add a course in Root-Cause Analysis as applicable.

Urgency: Prompt

5) Sub-Element - 4.5 - Accreditation

Discrepancy: Training & Procedures currently does not have a procedure for Accreditation.

Note: Accreditation is currently on indefinite HOLD by the DOE Washington D.C. For this reason, DOE-RL has notified Tank Farm Training & Procedures to suspend any Accreditation activity.

Resolution: Upon a final decision from DOE on the direction of Tank Farm Training and Procedures Accreditation, write an accreditation procedure as part of WHC-IP-0842, Volume III as applicable.

Urgency: Prompt (if required)

9/24/96

TN
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	97

INCORPORATED

4.1.1 Program Policy
10CFR830 Part 120(c)(3)(i)
WAC-173-303 Section 330(1)
WAC-173-303 Section 330(2)

4.1.2 Training Organization Staffing and Training
DOE5480.20A Chapter I, Section 2
DOE5480.20A Chapter I, Section 3
DOE5480.20A Chapter I, Section 4.a
DOE5480.20A Chapter I, Section 4.b

4.2 Administration of Training
10CFR830 Part 120(c)(1)(ii)
DOE5480.20A Preamble, Attachment 1
DOE5480.20A Preamble, Section 8.a
DOE5480.20A Preamble, Section 8.b
DOE5480.20A Chapter I, Section 7 Introduction, Sentence 1 and 2
DOE5480.20A Chapter I, Section 7.a.(1) Introduction
DOE5480.20A Chapter I, Section 7.a.(1)(a)
DOE5480.20A Chapter I, Section 7.a.(1)(b)
DOE5480.20A Chapter I, Section 7.a.(2)
DOE5480.20A Chapter I, Section 7.a.(4)
DOE5480.20A Chapter I, Section 7.c, Sentences 1-3
DOE5480.20A Chapter I, Section 7.c, Sentences 4-5

4.2.1 Selection and Qualification
DOE/EH0256T(940431) Chapter 6, Part 1, Article 616.3
DOE/EH0256T(940431) Chapter 6, Part 1, Article 616.4

4.2.2 Training Needs Assessment
DOE5480.20A Chapter I, Section 7.a.(3), Sentences 2-3
DOE5480.20A Chapter I, Section 7.b Introduction, Sentences 1 and 2
DOE5480.20A Chapter I, Section 7.b.(1)
DOE5480.20A Chapter I, Section 7.b.(2)

4.2.3 Design and Development
DOE5480.20A Chapter I, Section 7.a Introduction
DOE5480.20A Chapter I, Section 7.b.(3)

4.2.4 Implementation
DOE5480.20A Chapter I, Section 7.b.(4)

4.2.5 Evaluation
DOE-STD-1070-94 Section 8, Paragraph 3
DOE5480.20A Preamble, Section 6.b
DOE5480.20A Chapter I, Section 7.a.(3), Sentence 1
DOE5480.20A Chapter I, Section 7.b.(5)

4.2.7 Training Schedules
DOE/EH0135 TC. 1.15

4.2.8.1 Testing
DOE5480.20A Chapter I, Section 8 Introduction
DOE5480.20A Chapter I, Section 8.a
DOE5480.20A Chapter I, Section 8.b

4.2.8.2 Qualification and Requalification
DOE5480.20A Chapter I, Section 5 Introduction
DOE5480.20A Chapter I, Section 5.a
DOE5480.20A Chapter I, Section 5.b
DOE5480.20A Chapter I, Section 5.c
DOE5480.20A Chapter I, Section 5.d, Sentences 1 and 4
DOE5480.20A Chapter I, Section 5.d, Sentences 5 and 7
DOE5480.20A Chapter I, Section 5.e

TN
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	97

DOE5480.20A Chapter I, Section 5.f
DOE5480.20A Chapter I, Section 10 Introduction
DOE5480.20A Chapter I, Section 10.a

4.2.10 Extension, Exceptions and Alterations
DOE5480.20A Chapter I, Section 11 Introduction
DOE5480.20A Chapter I, Section 11.a
DOE5480.20A Chapter I, Section 11.b
DOE5480.20A Chapter I, Section 11.c
DOE5480.20A Chapter I, Section 12 Introduction
DOE5480.20A Chapter I, Section 12.a
DOE5480.20A Chapter I, Section 12.b
DOE5480.20A Chapter I, Section 13 Introduction
DOE5480.20A Chapter I, Section 13.a
DOE5480.20A Chapter I, Section 13.b

4.3.1 General Employee Training
DOE5480.20A Chapter I, Section 7.e Introduction
DOE5480.20A Chapter I, Section 7.e.(2)
DOE5500.3A Section 11.c.(11)(b)

4.3.1.1 Lockout and Tagout Training
29CFR1910 Part 332(b)(3)

4.3.1.2 Hazard Communication Training
29CFR1910 Part 1200(h)
29CFR1910 Part 1200(h)(1)
29CFR1910 Part 1200(h)(2)

4.3.2 Maintenance Training Program
DOE5480.20A Chapter I, Section 7.g.(1)
DOE5480.20A Chapter I, Section 7.g.(2)
DOE5480.20A Chapter IV, Section 2.d
DOE5480.20A Chapter IV, Section 2.e

4.3.3 Management and Supervisory Training
DOE/EH0256T(940431) Chapter 6, Part 5, Article 651
DOE5480.20A Chapter I, Section 7.i Introduction
DOE5480.20A Chapter I, Section 7.i.(1)
DOE5480.20A Chapter I, Section 7.i.(2)
DOE5480.20A Chapter IV, Section 2.a
DOE5480.20A Chapter IV, Section 2.b

4.3.4 Operator Training
DOE5480.19(920518) Chapter V, Section C.3, Paragraph 3
DOE5480.19(920518) Chapter X, Section C.3, Sentence 1 and 2
DOE5480.20A Chapter IV, Section 2.c
DOE5480.20A Chapter IV, Section 4 Introduction
DOE5480.20A Chapter IV, Section 4.a
DOE5480.20A Chapter IV, Section 4.c

4.3.5 Continuing Training
DOE5480.20A Chapter I, Section 7.d Introduction
DOE5480.20A Chapter I, Section 7.d.(1)
DOE5480.20A Chapter I, Section 7.d.(2)

4.3.6 Technical Support Personnel Training
DOE-STD-1073-93 Chapter 1, Section 1.3.1.6, Paragraph 1, Sentence 3
DOE/EH0256T(940431) Chapter 6, Part 5, Article 654.3
DOE5480.20A Chapter I, Section 7.g.(3)
DOE5480.20A Chapter I, Section 7.h.(1)
DOE5480.20A Chapter I, Section 7.h.(2)
DOE5480.20A Chapter IV, Section 2.f
DOE5480.20A Chapter IV, Section 2.g Introduction
DOE5480.20A Chapter IV, Section 2.g.(1)

TN
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	97

DOE5480.20A Chapter IV, Section 2.g.(2)

4.4 Training Records and Documentation
10CFR835 Part 704(a)
DOE/EH0256T(940431) Chapter 7, Part 2, Article 725.5
DOE5480.11 Section 9.m(5)
DOE5480.20A Chapter I, Section 15 Introduction
DOE5480.20A Chapter I, Section 15.a
DOE5480.20A Chapter I, Section 15.b

TN
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Not	11

DISCREPANT

4.2.8.1 Testing
DOE5480.20A Chapter I, Section 7.d.(4)

4.2.8.2 Qualification and Requalification
DOE5480.20A Chapter I, Section 9

4.2.10 Extension, Exceptions and Alterations
DOE5480.20A Chapter I, Section 11.d

4.3.2 Maintenance Training Program
DOE4330.4B Chapter II, Section 3.3.6, Sentence 1

4.5 Accreditation
DOE5480.18B Section 8.a.(1)
DOE5480.18B Section 8.a.(2)
DOE5480.18B Section 8.a.(3)
DOE5480.18B Section 8.a.(4)
DOE5480.18B Section 8.b.(1)
DOE5480.18B Section 8.c. Introduction
DOE5480.18B Section 8.c.(1)

TN
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
No	SRID	All	Not Marked	2

NA

4.3.6 Technical Support Personnel Training
SNT-TC-1A Section 5.1
SNT-TC-1A Section 5.2

SRID Element	Location	[illegible]plicable Incorporated Implementing Manuals	
4.1.1 Program Policy	10CFR830 Part 120(c)(3)(i)	A Incorp WHC-IP-0842, VOL 3	1.1
	WAC-173-303 Section 330(1)	A Incorp WHC-IP-0842, VOL 3	10.5
	WAC-173-303 Section 330(2)	A Incorp WHC-IP-0842, VOL 3	10.5
			7.8
4.1.2 Training Organization Staffing and Training	DOE5480.20A Chapter I, Section 2	A Incorp WHC-IP-0842, VOL 3	1.1
	DOE5480.20A Chapter I, Section 3	A Incorp WHC-IP-0842, VOL 3	3.5
	DOE5480.20A Chapter I, Section 4.a	A Incorp WHC-IP-0842, VOL 3	3.5
	DOE5480.20A Chapter I, Section 4.b	A Incorp WHC-IP-0842, VOL 3	2.2
4.2 Administration of Training	10CFR830 Part 120(c)(1)(ii)	A Incorp WHC-IP-0842, VOL 3	10.0
			7.8
	DOE5480.20A Preamble, Attachment 1	A Incorp WHC-IP-0842, VOL 3	2.2
			8.1
			9.2
	DOE5480.20A Preamble, Section 8.a	A Incorp WHC-IP-0842, VOL 3	9.2
	DOE5480.20A Preamble, Section 8.b	A Incorp WHC-IP-0842, VOL 3	9.2
	DOE5480.20A Chapter I, Section 7 Introduction, Sentence 1 and	A Incorp WHC-IP-0842, VOL 3	4.1
			5.1
			6.1
	DOE5480.20A Chapter I, Section 7.a.(1) Introduction	A Incorp WHC-IP-0842, VOL 3	9.2
	DOE5480.20A Chapter I, Section 7.a.(1)(a)	A Incorp WHC-IP-0842, VOL 3	3.2
	DOE5480.20A Chapter I, Section 7.a.(1)(b)	A Incorp WHC-IP-0842, VOL 3	9.2
	DOE5480.20A Chapter I, Section 7.a.(2)	A Incorp WHC-IP-0842, VOL 3	10.0
			4.1
			5.1
			6.1
			9.2

SRID Element	Location	[illegible]plicable	Incorporated	Implementing Manuals	
	DOE5480.20A Chapter I, Section 7.a.(4)	A	Incorp	WHC-IP-0842, VOL 3	10.6
	DOE5480.20A Chapter I, Section 7.c, Sentences 1-3	A	Incorp	WHC-IP-0842, VOL 3	10.0
					7.3
					7.4
					7.5
					7.6
					7.7
	DOE5480.20A Chapter I, Section 7.c, Sentences 4-5	A	Incorp	WHC-IP-0842, VOL 3	7.2
					7.5
					7.6
4.2.1 Selection and Qualification	DOE/EH0256T(940431) Chapter 6, Part 1, Article 616.3	A	Incorp	WHC-IP-0842, VOL 3	10.1
					8.1
	DOE/EH0256T(940431) Chapter 6, Part 1, Article 616.4	A	Incorp	WHC-IP-0842, VOL 3	10.1
4.2.2 Training Needs Assessment	DOE5480.20A Chapter I, Section 7.a.(3), Sentences 2-3	A	Incorp	WHC-IP-0842, VOL 3	7.7
	DOE5480.20A Chapter I, Section 7.b Introduction, Sentences 1 a	A	Incorp	WHC-IP-0842, VOL 3	10.5
					10.6
					7.8
	DOE5480.20A Chapter I, Section 7.b.(1)	A	Incorp	WHC-IP-0842, VOL 3	4.1
					5.1
					6.1
	DOE5480.20A Chapter I, Section 7.b.(2)	A	Incorp	WHC-IP-0842, VOL 3	5.1
4.2.3 Design and Development	DOE5480.20A Chapter I, Section 7.a Introduction	A	Incorp	WHC-IP-0842, VOL 3	10.0
					7.8
	DOE5480.20A Chapter I, Section 7.b.(3)	A	Incorp	WHC-IP-0842, VOL 3	3.6
					4.1
					5.1
					6.1
					7.2
					7.3
					7.4

SRID Element	Location	[illegible]pplicable Incorporated Implementing Manuals			
				7.5	
				7.6	
				7.7	
				8.1	
4.2.4 Implementation	DOE5480.20A Chapter I, Section 7.b.(4)	A	Incorp	WHC-IP-0842, VOL 3	10.0
					7.2
					7.3
					7.4
					7.5
					7.6
					7.7
					7.8
4.2.5 Evaluation	DOE-STD-1070-94 Section 8, Paragraph 3	A	Incorp	WHC-IP-0842, VOL 1	2.4
	DOE5480.20A Preamble, Section 6.b	A	Incorp	WHC-IP-0842, VOL 3	8.1
	DOE5480.20A Chapter I, Section 7.a.(3), Sentence 1	A	Incorp	WHC-IP-0842, VOL 3	3.6
	DOE5480.20A Chapter I, Section 7.b.(5)	A	Incorp	WHC-IP-0842, VOL 3	3.6
					8.1
4.2.7 Training Schedules	DOE/EH0135 TC. 1.15	A	Incorp	WHC-IP-0842, VOL 3	2.1
4.2.8.1 Testing	DOE5480.20A Chapter I, Section 7.d.(4)	A	Dis	WHC-IP-0842, VOL 3	7.3 Revit
	DOE5480.20A Chapter I, Section 8 Introduction	A	Incorp	WHC-IP-0842, VOL 3	10.0
					7.3
					7.4
					7.5
					7.6
					7.7
					7.8
	DOE5480.20A Chapter I, Section 8.a	A	Incorp	WHC-IP-0842, VOL 3	6.1
					7.3
	DOE5480.20A Chapter I, Section 8.b	A	Incorp	WHC-IP-0842, VOL 3	7.4

SRID Element	Location	Applicable Incorporated Implementing Manuals		
4.2.8.2 Qualification and Requalification	DOE5480.20A Chapter I, Section 5 Introduction	A Incorp	WHC-IP-0842, VOL 3	10.0
	DOE5480.20A Chapter I, Section 5.a	A Incorp	WHC-IP-0842, VOL 3	10.0
	DOE5480.20A Chapter I, Section 5.b	A Incorp	WHC-IP-0842, VOL 3	10.2
				10.3
	DOE5480.20A Chapter I, Section 5.c	A Incorp	WHC-IP-0842, VOL 3	10.6
	DOE5480.20A Chapter I, Section 5.d, Sentences 1 and 4	A Incorp	WHC-IP-0842, VOL 3	10.4
				10.5
	DOE5480.20A Chapter I, Section 5.d, Sentences 5 and 7	A Incorp	WHC-IP-0842, VOL 3	10.0
				7.8
	DOE5480.20A Chapter I, Section 5.e	A Incorp	WHC-IP-0842, VOL 3	10.0
	DOE5480.20A Chapter I, Section 5.f	A Incorp	WHC-IP-0842, VOL 3	10.4
				7.8
	DOE5480.20A Chapter I, Section 9	A Dis	WHC-IP-0842, VOL 3	10.4
				10.4
				7.8
	DOE5480.20A Chapter I, Section 10 Introduction	A Incorp	WHC-IP-0842, VOL 2	2.1

Revit

SRID Element	Location	Applicable Incorporated Implementing Manuals			
	DOE5480.20A Chapter I, Section 10.a	A Incorp	WHC-IP-0842, VOL 2	2.1	
4.2.10 Extension, Exceptions and Alterations	DOE5480.20A Chapter I, Section 11 Introduction	A Incorp	WHC-IP-0842, VOL 3	2.2	
	DOE5480.20A Chapter I, Section 11.a	A Incorp	WHC-IP-0842, VOL 3	2.2	
	DOE5480.20A Chapter I, Section 11.b	A Incorp	WHC-IP-0842, VOL 3	2.2	
	DOE5480.20A Chapter I, Section 11.c	A Incorp	WHC-IP-0842, VOL 3	2.2	
	DOE5480.20A Chapter I, Section 11.d	A Dis	WHC-IP-0842, VOL 3	7.3	Revit
	DOE5480.20A Chapter I, Section 12 Introduction	A Incorp	WHC-IP-0842, VOL 3	2.2	
	DOE5480.20A Chapter I, Section 12.a	A Incorp	WHC-IP-0842, VOL 3	2.2	
	DOE5480.20A Chapter I, Section 12.b	A Incorp	WHC-IP-0842, VOL 3	2.2	
	DOE5480.20A Chapter I, Section 13 Introduction	A Incorp	WHC-IP-1041	Entire Document	
	DOE5480.20A Chapter I, Section 13.a	A Incorp	WHC-IP-1041	Entire Document	
	DOE5480.20A Chapter I, Section 13.b	A Incorp	WHC-IP-1041	Entire Document	
4.3.1 General Employee Training	DOE5480.20A Chapter I, Section 7.c Introduction	A Incorp	COURSE # 350710	Entire Document	
			WHC-IP-1184	Entire Document	
	DOE5480.20A Chapter I, Section 7.c.(2)	A Incorp	COURSE # 350710	Entire Document	
			WHC-IP-1184	Entire Document	
	DOE5500.3A Section 11.c.(11)(b) Introduction	A Incorp	WHC-IP-0971	9.0	
4.3.1.1 Lockout and Tagout Training	29CFR1910 Part 332(b)(3)	A Incorp	WHC-IP-0842, VOL 3	10.6	
4.3.1.2 Hazard Communication Training	29CFR1910 Part 1200(h)	A Incorp	WHC-IP-0842, VOL 3	10.5	

SRID Element	Location	Applicable Incorporated Implementing Manuals			
	29CFR1910 Part 1200(h)(1)	A Incorp	WHC-IP-0842, VOL 3	10.5	
	29CFR1910 Part 1200(h)(2)	A Incorp	WHC-IP-0842, VOL 3	10.5	
4.3.2 Maintenance Training Program	DOE4330.4B Chapter II, Section 3.3.6, Sentence 1	A Dis	WHC-IP-0842, VOL 3	10.6	Revit
	DOE5480.20A Chapter I, Section 7.g.(1)	A Incorp	WHC-IP-0842, VOL 3	10.6	
	DOE5480.20A Chapter I, Section 7.g.(2)	A Incorp	WHC-IP-0842, VOL 3	10.6	
	DOE5480.20A Chapter IV, Section 2.d	A Incorp	WHC-IP-0842, VOL 3	10.10 10.6	
	DOE5480.20A Chapter IV, Section 2.e	A Incorp	WHC-IP-0842, VOL 3	10.6	
4.3.3 Management and Supervisory Training	DOE/EH0256T(940431) Chapter 6, Part 5, Article 651	A Incorp	HSRCM-1	CHAPTER 6 651 CHAPTER 6 Chapter 6, Part 5, Subpart 651	
	DOE5480.20A Chapter I, Section 7.i Introduction	A Incorp	WHC-IP-0842, VOL 3	10.2	
	DOE5480.20A Chapter I, Section 7.i.(1)	A Incorp	WHC-IP-0842, VOL 3	10.4	
	DOE5480.20A Chapter I, Section 7.i.(2)	A Incorp	WHC-IP-0842, VOL 3	10.4	
	DOE5480.20A Chapter IV, Section 2.a	A Incorp	WHC-IP-0842, VOL 3	10.2	
	DOE5480.20A Chapter IV, Section 2.b	A Incorp	WHC-IP-0842, VOL 3	10.4	
4.3.4 Operator Training	DOE5480.19(920518) Chapter V, Section C.3, Paragraph 3	A Incorp	WHC-IP-0842, VOL 2	4.5.1	
	DOE5480.19(920518) Chapter X, Section C.3, Sentence 1 and 2	A Incorp	WHC-IP-0842, VOL 2	4.10.1	
	DOE5480.20A Chapter IV, Section 2.c	A Incorp	WHC-IP-0842, VOL 3	10.5	
	DOE5480.20A Chapter IV, Section 4 Introduction	A Incorp	WHC-IP-0842, VOL 3	10.5	
	DOE5480.20A Chapter IV, Section 4.a	A Incorp	WHC-IP-0842, VOL 3	10.5	
	DOE5480.20A Chapter IV, Section 4.c	A Incorp	WHC-IP-0842, VOL 3	10.4	

SRID Element	Location	Applicable Incorporated Implementing Manuals		
4.3.5 Continuing Training	DOE5480.20A Chapter I, Section 7.d Introduction	A Incorp	WHC-IP-0842, VOL 3	10.4
				7.8
	DOE5480.20A Chapter I, Section 7.d.(1)	A Incorp	WHC-IP-0842, VOL 3	10.4
				7.8
	DOE5480.20A Chapter I, Section 7.d.(2)	A Incorp	WHC-IP-0842, VOL 3	10.10
				10.12
				10.4
				10.6
				7.8
4.3.6 Technical Support Personnel Training	DOE-STD-1073-93 Chapter 1, Section 1.3.1.6, Paragraph 1, Sentence 3	A Incorp	WHC-IP-0842, VOL 5	6.0
	DOE/EH0256T(940431) Chapter 6, Part 5, Article 654.3	A Incorp	HSRCM-1	CHAPTER 6
			WHC-IP-0842, VOL 3	10.10
	DOE5480.20A Chapter I, Section 7.g.(3)	A Incorp	WHC-IP-0842, VOL 3	10.10
	DOE5480.20A Chapter I, Section 7.h.(1)	A Incorp	WHC-IP-0842, VOL 3	10.3
	DOE5480.20A Chapter I, Section 7.h.(2)	A Incorp	WHC-IP-0842, VOL 3	10.3
	DOE5480.20A Chapter IV, Section 2.f	A Incorp	WHC-IP-0842, VOL 3	10.3
	DOE5480.20A Chapter IV, Section 2.g Introduction	A Incorp	WHC-IP-0842, VOL 3	1.1
	DOE5480.20A Chapter IV, Section 2.g.(1)	A Incorp	WHC-IP-0842, VOL 3	10.1
	DOE5480.20A Chapter IV, Section 2.g.(2)	A Incorp	WHC-IP-0842, VOL 3	10.1
4.4 Training Records and Documentation	10CFR835 Part 704(a)	A Incorp	HSRCM-1	CHAPTER 6 612
				CHAPTER 7 725

SRID Element	Location	Applicable Incorporated Implementing Manuals				
	DOE/EH0256T(940431) Chapter 7, Part 2, Article 725.5	A	Incorp	HSRCM-1	CHAPTER 7 725.5	
				WHC-IP-0842, VOL 3	3.3	
	DOE5480.11 Section 9.m(5)	A	Incorp	HSRCM-1	CHAPTER 7 725	
				WHC-IP-0842, VOL 3	10.10	
					3.0	
	DOE5480.20A Chapter I, Section 15 Introduction	A	Incorp	WHC-IP-0842, VOL 3	3.0	
	DOE5480.20A Chapter I, Section 15.a	A	Incorp	WHC-IP-0842, VOL 3	3.0	
	DOE5480.20A Chapter I, Section 15.b	A	Incorp	WHC-IP-0842, VOL 3	3.0	
4.5 Accreditation	DOE5480.18B Section 8.a.(1)	A	Dis	WHC-IP-0842, VOL 3	TBD	Revit
	DOE5480.18B Section 8.a.(2)	A	Dis	WHC-IP-0842, VOL 3	TBD	Revit
	DOE5480.18B Section 8.a.(3)	A	Dis	WHC-IP-0842, VOL 3	TBD	Revit
	DOE5480.18B Section 8.a.(4)	A	Dis	WHC-IP-0842, VOL 3	TBD	Revit
	DOE5480.18B Section 8.b.(1)	A	Dis	WHC-IP-0842, VOL 3	TBD	Revit
	DOE5480.18B Section 8.c. Introduction	A	Dis	WHC-IP-0842, VOL 3	TBD	Revit
	DOE5480.18B Section 8.c.(1)	A	Dis	WHC-IP-0842, VOL 3	TBD	Revit

3.5 Emergency Preparedness

1.0 INTRODUCTION

The Phase 1 Assessment for the TWRS Emergency Management functional area was completed in March 1996, by David J. Rowland, TWRS Emergency Preparedness Coordinator.

The assessment was based on identified requirements in the TWRS Emergency Management S/RIDs Revision 4, dated 9-1-95. The assessment involved developing worksheets which addressed the S/RID section/subsections, requirement source, documents reviewed and whether the requirement was incorporated or discrepant.

From the worksheets the results were incorporated into the TWRS Emergency Management S/RIDs Matrix.

2.0 SUMMARY

The Phase 1 Assessment involved reviewing of WHC-IP-0971, TWRS Emergency Preparedness Program Plan. This document was developed following the first (May/June 1994)) Phase I Emergency Management S/RIDs, as a means of documenting requirements and describing how the requirements are implemented, administered and maintained for TWRS Facilities. During the time of issuance of the WHC-IP-0971 manual, and issuance of the TWRS Emergency Management S/RIDs Revision 4, a majority of original identified requirements was reduced, and new requirements added. Thus the manual was found to be discrepant in the areas involving new requirements.

The WHC-IP-0971 manual has recently undergone updating and is in the process of review and approval. In reviewing the revised WHC-IP-0971 manual the missing requirements, identified in the Phase 1 Assessment, were found to be incorporated. Estimated issuance of the revised WHC-IP-0971 manual is October 30, 1996.

The Phase 1 Assessment involved reviewing WHC and TWRS documents which by their identification and purpose, should contain the requirements. Meaning, that if the requirement was not found in this manual, no further search was made. Other WHC manuals that were reviewed are WHC-CM-4-43, Emergency Management Procedures (manual) and WHC-CM-4-40, Industrial Hygiene Manual.

The Phase 1 Assessment found 85 requirements implemented by a TWRS or WHC document, and that 25 requirements were discrepant. These discrepant items pertain to emergency response training, protective action recommendations, and event classification. Actions are taking place at this time to correct these discrepancies; i.e., development of formalized, systematic based emergency response training, and revisions to administrative documents and event classification procedures.

3.0 DETAILED RESULTS

1) Functional area element evaluated.

The Emergency Management functional area includes those requirements necessary to ensure: 1) an emergency management program is in place and functional to handle emergency events; 2) an emergency response organization has been assigned and properly trained; 3) personnel, general public, environmental and facility safety is maintained; 4) emergency plans and procedures are in place to guide emergency responders during events; 5) response actions are consistent; 6) interactions with onsite and offsite emergency response organization are maintained; 7) assessment of the program effectiveness through the process of drills and surveillances/audits.

2) Element Summaries:

- 5.1 Management and Administration. All requirements implemented in the WHC-IP-0971, TWRS Emergency Preparedness Program Plan.

- 5.2 Emergency Response Training. Three requirements are implemented in the WHC-IP-0971, TWRS Emergency Preparedness Program Plan. Six requirements are discrepant which pertain to 29CFR1910 Part 120(q), and one pertaining to DOE5500.3A, Section 11.c(11)(b)(1).

- 5.3 Planning Documents. Thirty-one requirements are implemented in WHC-IP-0971, TWRS Emergency Preparedness Program Plan. Three requirements are discrepant which pertain to 29CFR1910 Part 120 (q) (which are actually emergency response training requirements and not planning document requirements), and one pertaining to DOE5500.3A, Section 11.d.(1)(b).

- 5.4 Facilities, Equipment and Resources. Fourteen requirements are implemented; thirteen in WHC-IP-0971, TWRS Emergency Preparedness Program Plan, and one in WHC-CM-4-40, Industrial Hygiene Manual. One requirement is discrepant pertaining to 29CFR1910 Part 165 (b)(4).

- 5.5 **Classification, Notification and Reporting.** Sixteen requirements are implemented in WHC-IP-0971, TWRS Emergency Preparedness Program Plan. Four requirements are discrepant pertaining to DOE5500.2B Section 11.a.2(a)4d and 4e, (b)7.d and 7.e, and (c)7.d and 7.e. This discrepant requirements pertain to classification criteria statements for security and transportation emergencies.

  Assessment found DOE5000.3B Section 8.a(5) not applicable to the Emergency Management S/RIDs; this requirement pertain to occurrence notification which is a different process than emergency notifications. Assessment finding to remove this requirement from Tank Farms Emergency Management S/RID.

- 5.6 **Event Containment and Personnel Protection.** Six requirements are implemented in WHC-IP-0971, TWRS Emergency Preparedness Program Plan. Three discrepant requirements pertain to DOE5500.2B Section 11.a.(2)(a), (b), and (c). One discrepant requirement pertaining to 29CFR1910 Part 120(q).

- 5.7 **Recovery and Reentry.** Nine requirements are implemented in WHC-IP-0971, TWRS Emergency Preparedness Program Plan. Two requirements are implemented in WHC-CM-4-43, Emergency Management Procedures, Section 2.1A, 200 Area Tank Waste Recognition and Classification of Emergencies. One discrepant requirement was identified pertaining to 10CFR835 Part 1302(e).

- 5.8 **Public Information.** This section contains no requirements. Public information is handled at the site level by WHC and DOE-RL on the behalf of Tank Farms.

- 5.9 **Coordination with Offsite Agencies.** This section contains no requirements. Coordination with offsite agencies is handled at the site level by WHC and DOE-RL on behalf of Tank Farms.

- 5.10 **Demonstrating, Monitoring and Improving.** Four requirements are implemented in WHC-IP-0971, TWRS Emergency Preparedness Program Plan. Three requirements are discrepant pertaining to DOE5500.3A, Section 11.c(12)(d), and DOE5482.1B Preamble, Section 9.a(5) and (7).

Table 3.1 EM Element Status contains four columns: the first shows the Functional Area sub-element numerical identifier, the second shows the sub-element description, the third and fourth show the sub-element requirement status as being either "incorporated" (Inc) or "discrepant" (Dis) respectively. Any items marked "Dis" are discussed in 5) below.

Table 3.1 EM Element Status

Element Identifier	Element Description	Inc.	Dis.
5.1	Management and Administration	6	
5.2	Emergency Response Training	3	7
5.3	Planning Documents	29	3
5.4	Facilities, Equipment and Resources	12	1
5.5	Classification, Notification and Reporting	14	6
5.6	Event Containment and Personnel Protection	6	4
5.7	Recovery and Reentry	11	1
5.8	Public Information	*	*
5.9	Coordination with Offsite Agencies	*	*
5.10	Demonstrating, Monitoring and Improving	4	3

* The functional area elements is done at the site level by WHC and DOE-RL on behalf of Tank Farms.

4) Overall compliance status.

Eighty-five requirements are fully implemented in either the WHC-IP-0971, TWRS Emergency Preparedness Program Plan, WHC-CM-4-43, Emergency Management Procedures, or WHC-CM-4-40, Industrial Hygiene Manual.

Twenty-five requirements were found to be discrepant, and missing from any WHC or TWRS document. The elements that have discrepant requirements are:

- 5.2 Emergency Response Training (7 discrepancies)
- 5.3 Planning Documents (3 discrepancies)
- 5.4 Facilities, Equipment and Resources (1 discrepancy)
- 5.5 Classification, Notification and Reporting (6 discrepancies)
- 5.6 Event Containment and Personnel Protection (4 discrepancies)
- 5.7 Recovery and Reentry (1 discrepancy)
- 5.10 Demonstrating, Monitoring and Improving (3 discrepancies)

5) Specific compliance status for discrepant elements:

A. Element: 5.2 Emergency Response Training

The element is administratively discrepant due to missing requirements pertaining to 29CFR1910 Part 120 (p)(7)(i); (ii); (iii)(A),(B),(C), and Part 120 (q)(ii), and DOE5500.3A, Section 11.c(11)(b)(1), in any WHC or TWRS documents.

Prompt

Incorporate missing emergency response training requirements stated into the WHC-IP-0971 TWRS Emergency Preparedness Program Plan, "Training Section."

B. Sub-Element: 5.3.2 Emergency Plan

The sub-element is administratively discrepant due to missing requirements pertaining to 29CFR1910 Part 120 (q)(6),(8); DOE5500.3A Section 11.d(1)(b) in any WHC or TWRS documents.

Prompt

1. Incorporate missing emergency response training requirements (29CFR1910 Part (q)(6) and (8), stated into the WHC-IP-0971 TWRS Emergency Preparedness Program Plan, "Training Section."

2. Incorporate missing emergency response training requirements (DOE5500.3A Section 11.d(1)(b), stated into the WHC-IP-0971 TWRS Emergency Preparedness Program Plan, "Building Emergency Plan Requirements Section."

C. Sub-Element: 5.4.3 Communication Equipment

This sub-element was found to be discrepant due to a missing requirement: 29CFR1910 Part 165 (b)(4) in any WHC or TWRS document.

Prompt

Incorporate missing employee alarm system requirements (29CFR1910 Part 165 (b)(4) into the WHC-IP-0971, TWRS Emergency Preparedness Program Plan, "Notification and Communication Section."

D. Sub-Element: 5.5.1 Event Classification and Emergency Action Levels (EALs)

This sub-element was found to be administratively discrepant due to missing requirements for security and transportation emergency classifications/criteria, stated in DOE5500.2B Section 11.a.2(a)4d and

4e, Section 11.a.2(b)7.d and 7.e, and Section 11.a.2(c)7.d and 7.e, in any WHC or TWRS document.

Prompt

1. Incorporate missing security and transportation classification requirements statements into the WHC-IP-0971, TWRS Emergency Preparedness Program Plan, "Event Classification Section."

2. Incorporate missing security and transportation classification requirements statements into the WHC-IP-0263-TF, Tank Farms Building Emergency Plan, Section 5.0, Facility Hazards.

3. Incorporate missing security and transportation classification requirement statements into the WHC-IP-0263-242A, 242-A Evaporator Building Emergency Plan, Section 5.0, Facility Hazards.

E. Sub-Element: 5.6.1 Event Containment and Consequence Assessment

This sub-element was found to be administratively discrepant due to missing protective actions recommendation for declared emergencies (alert, site area, or general) stated in DOE 5500.2B Section 11.a(2)(a), (b) and (c), in any WHC or TWRS document.

Prompt

Incorporate missing security and transportation classification requirements statements into the WHC-IP-0971, TWRS Emergency Preparedness Program Plan, "Protective Actions Section."

F. Sub-Element: 5.6.4 Medical Response

This sub-element was found to be administrative discrepant due to the missing 29CFR1910, Part 120 (q)(9)(ii) requirement for emergency responders exposures, in any WHC or TWRS document.

Prompt

Incorporate missing security and transportation classification requirements statements into the WHC-IP-0971, TWRS Emergency Preparedness Program Plan, "Protective Actions Section."

G. Element: 5.7 Recovery and Reentry

This element was found to be administratively discrepant due to a missing requirement pertaining to emergency responders briefings and training, per 10CFR835 Part 1302(e), in any WHC or TWRS document.

Prompt

Incorporate missing emergency responders training requirements statements into the WHC-IP-0971, TWRS Emergency Preparedness Program Plan, "Protective Actions Section."

H. Sub-Element: 5.10.1 Drill and Exercise Program

This sub-element was found to be administratively discrepant due to the missing DOE5500.3A Section 11.c.(12)(d) requirement for annual participation in drills/exercises.

Prompt

Incorporate missing emergency responders training requirements statements into the WHC-IP-0971, TWRS Emergency Preparedness Program Plan, "Facility Emergency Drill Program Section."

I. Sub-Element: 5.10.4 Deficiency Identification and Correction

This sub-element was found to be administratively discrepant due the missing requirements stated in DOE5482.1B Preamble, Section 9.a(5), and Section 9.a(7), pertaining to deficiency reporting, in any WHC or TWRS document.

Prompt

Incorporate missing emergency responders training requirements statements into the WHC-IP-0971, TWRS Emergency Preparedness Program Plan, "Program Maintenance Section."

EM
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	85

INCORPORATED

5.1.2 Duties, Responsibilities, and Authorities for Program Management
DOE5500.3A Section 11.a
DOE5500.3A Section 11.c.(13)(a)

5.1.3 Duties, Responsibilities and Authorities for ERO
DOE5500.1B Section 10.w(26)(a)2
DOE5500.2B Section 10.c(5)(d)
DOE5500.3A Section 11.c.(1)
WAC-173-303 Section 360(1)

5.2 Emergency Response Training
40CFR265 Part 56(a)
DOE5500.3A Section 11.c.(11)(b)
DOE5500.3A Section 11.c.(11)(b)(2)

5.3 Planning Documents
DOE5500.3A Section 11.c.(13)(b)

5.3.1 Hazards Assessment
DOE5500.3A Section 11.b.(1)

5.3.2 Emergency Plan
29CFR1910 Part 38(a)(1)
29CFR1910 Part 38(a)(2)
29CFR1910 Part 38(a)(4)
40CFR265 Part 51
40CFR265 Part 52(a)
40CFR265 Part 52(f)
40CFR265 Part 53(a)
WAC-173-303 Section 350(2)
WAC-173-303 Section 350(3)(d)
WAC-173-303 Section 350(3)(e)
WAC-173-303 Section 350(3)(f)
WAC-173-303 Section 350(4)
WAC-173-303 Section 350(5)
WAC-296-62 Section 3140(8)(a)(b)

5.3.3 Emergency Implementing Procedures
29CFR1910 Part 120(p)(8)(iv)
DOE5480.10 Section 9.c(4)(f)
DOE5500.3A Section 11.d, Paragraph 1
DOE5500.3A Section 11.d.(2)
WAC-173-303 Section 350(3)(b)
WAC-173-303 Section 360(2)(a)
WAC-173-303 Section 360(2)(b)
WAC-173-303 Section 360(2)(c)
WAC-173-303 Section 360(2)(f)
WAC-173-303 Section 360(2)(g)
WAC-173-303 Section 360(2)(h)
WAC-173-303 Section 360(2)(i)
WAC-296-62 Section 3140(8)(d)

5.4.2 Emergency Equipment and Supplies
29CFR1910 Part 134(a)(7), Last Sentence
29CFR1910 Part 134(f)(2)(iv)
29CFR1910 Part 134(f)(5)(iii)
40CFR265 Part 52(e)
DOE5500.3A Section 11.c.(10)(d)

5.4.3 Communications Equipment
29CFR1910 Part 38(a)(3)
29CFR1910 Part 165(b)(1)
29CFR1910 Part 165(b)(2)
29CFR1910 Part 165(b)(3)

EM
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	85

29CFR1910 Part 165(b)(5)
WAC-173-303 Section 340(1)
WAC-173-303 Section 340(2)

5.5 Classification, Notification and Reporting
DOE5500.1B Section 10.w(26)(a)1

5.5.1 Event Classification and Emergency Action Levels (EALs)
40CFR265 Part 56(b)
DOE5500.2B Section 11.a.2(a)4b
DOE5500.2B Section 11.a.2(b)7.b
DOE5500.2B Section 11.a.2(c)7.b
DOE5500.3A Section 11.c.(3)

5.5.2 Notifications and Staff Augmentations
40CFR355 Part 40(b)(2)
DOE5500.2B Section 12.b(2)(a)
DOE5500.3A Section 11.c.(4)
WAC-173-303 Section 360(2)(d)
WAC-173-303 Section 360(2)(e)

5.5.3 Reporting and Event Investigations
DOE5500.1B Section 10.w(26)(a)5
DOE5500.2B Section 12.b(2)(d)
WAC-173-303 Section 360(2)(k)

5.6.1 Event Containment and Consequence Assessment
29CFR1910 Part 120(q)(3)(ii)
DOE5500.3A Section 11.c.(5)
DOE5500.3A Section 11.c.(6)(e)

5.6.2 Protective Actions
DOE5480.11 Section 9.p(3)(a)3
DOE5500.3A Section 11.c.(6)(b)

5.6.3 Personnel Accountability and Evacuation
DOE5500.3A Section 11.c.(6)(c)

5.7 Recovery and Reentry
10CFR835 Part 1301(c)
10CFR835 Part 1301(d)
10CFR835 Part 1301(e)
10CFR835 Part 1302(a)
10CFR835 Part 1302(b)
10CFR835 Part 1302(d)
DOE5480.11 Section 9.p(3)(b)1
DOE5500.3A Section 11.c.(8)
WAC-173-303(940523) Section 360(2)(h)
WAC-173-303(940523) Section 360(2)(i)
WAC-173-303(940523) Section 360(2)(j)

5.10.1 Drill and Exercise Program
DOE5500.1B Section 10.w(26)(a)3
DOE5500.3A Section 11.c.(12)(a)
DOE5500.3A Section 11.c.(12)(c)
DOE5500.3A Section 11.c.(12)(e)

EM
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Not	25

Discrepant

5.2 Emergency Response Training
29CFR1910 Part 120(p)(7)(i)
29CFR1910 Part 120(p)(7)(ii)
29CFR1910 Part 120(p)(8)(iii)(A)
29CFR1910 Part 120(p)(8)(iii)(B)
29CFR1910 Part 120(p)(8)(iii)(C)
29CFR1910 Part 120(q)(11)
DOE5500.3A Section 11.c.(11)(b)(1)

5.3.2 Emergency Plan
29CFR1910 Part 120(q)(6)
29CFR1910 Part 120(q)(8)
DOE5500.3A Section 11.d.(1)

5.4.3 Communications Equipment
29CFR1910 Part 165(b)(4)

5.5.1 Event Classification and Emergency Action Levels (EALs)
DOE5500.2B Section 11.a.2(a)4d
DOE5500.2B Section 11.a.2(a)4e
DOE5500.2B Section 11.a.2(b)7.d
DOE5500.2B Section 11.a.2(b)7.e
DOE5500.2B Section 11.a.2(c)7.d
DOE5500.2B Section 11.a.2(c)7.e

5.6.1 Event Containment and Consequence Assessment
DOE5500.2B Section 11.a(2)(a)
DOE5500.2B Section 11.a.2(b)
DOE5500.2B Section 11.a.2(c)

5.6.4 Medical Response
29CFR1910 Part 120(q)(9)(ii)

5.7 Recovery and Reentry
10CFR835 Part 1302(e)

5.10.1 Drill and Exercise Program
DOE5500.3A Section 11.c.(12)(d)

5.10.4 Deficiency Identification and Correction
DOE5482.1B Section 9.a(5)
DOE5482.1B Section 9.a(7)

EM
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
No	SRID	All	Not Marked	2

NA

5.1.3 Duties, Responsibilities and Authorities for ERO
DOE5000.3B Section 8.a.(2)

5.5.2 Notifications and Staff Augmentations
DOE5000.3B Section 8.a.(5)

SRID Element	Location	[illegible]licable Incorporated Implementing Manuals			
5.1.2 Duties, Responsibilities, and Authorities for Program Management	DOE5500.3A Section 11.a	A Incorp	WHC-IP-0971	Entire Document	
	DOE5500.3A Section 11.c.(13)(a)	A Incorp	WHC-IP-0971	Entire Document	
5.1.3 Duties, Responsibilities and Authorities for ERO	DOE5500.1B Section 10.w(26)(a)2	A Incorp	DOE-RL-94-02	Entire Document	
			WHC-IP-0971	Entire Document	
	DOE5500.2B Section 10.c(5)(d)	A Incorp	WHC-IP-0971	Entire Document	
	DOE5500.3A Section 11.c.(1)	A Incorp	WHC-IP-0971	Entire Document	
	WAC-173-303 Section 360(1)	A Incorp	DOE-RL-93-75	Entire Document	
				Entire Document	
			WHC-CM-4-43	NI	
			WHC-IP-0971	Entire Document	
5.2 Emergency Response Training	29CFR1910 Part 120(p)(7)(i)	A Dis	WHC-IP-0971	TBD	Revit
	29CFR1910 Part 120(p)(7)(ii)	A Dis	WHC-IP-0971	TBD	Revit
	29CFR1910 Part 120(p)(8)(iii)(A)	A Dis	WHC-IP-0971	TBD	Revit
	29CFR1910 Part 120(p)(8)(iii)(B)	A Dis	WHC-IP-0971	TBD	Revit
	29CFR1910 Part 120(p)(8)(iii)(C)	A Dis	WHC-IP-0971	TBD	Revit
	29CFR1910 Part 120(q)(11)	A Dis	WHC-IP-0971	TBD	Revit
	40CFR265 Part 56(a)	A Incorp	WHC-IP-0971	Entire Document	
	DOE5500.3A Section 11.c.(11)(b)	A Incorp	WHC-IP-0971	Entire Document	
	DOE5500.3A Section 11.c.(11)(b)(1)	A Dis	WHC-IP-0971	TBD	Rev
	DOE5500.3A Section 11.c.(11)(b)(2)	A Incorp	WHC-IP-0971	Entire Document	
5.3 Planning Documents	DOE5500.3A Section 11.c.(13)(b)	A Incorp	WHC-CM-4-43	11.1	
				11.1	
			WHC-IP-0971	Entire Document	

SRID Element	Location	[illegible]licable Incorporated Implementing Manuals			
5.3.1 Hazards Assessment	DOE5500.3A Section 11.b.(1)	A Incorp	WHC-IP-0971	Entire Document	
5.3.2 Emergency Plan	29CFR1910 Part 38(a)(1)	A Incorp	DOE-RL-93-75	Entire Document	
			WHC-IP-0971	Entire Document	
	29CFR1910 Part 38(a)(2)	A Incorp	WHC-CM-4-43	G 3.09	
			WHC-IP-0971	Entire Document	
	29CFR1910 Part 38(a)(4)	A Incorp	DOE-RL-93-75	Entire Document	
			WHC-CM-4-43	G 3.09	
			WHC-IP-0971	Entire Document	
	29CFR1910 Part 120(q)(6)	A Dis	WHC-CM-2-15	11.1	
				13.4	
			WHC-CM-4-3, Volume 4	HWO-1	
			WHC-IP-0971	TBD	Revit
			WHC-IP-1121	Entire Document	
	29CFR1910 Part 120(q)(8)	A Dis	WHC-CM-2-15	13.4	
				13.4	
				13.4	
				7.4	
			WHC-IP-0971	TBD	Revit
	40CFR265 Part 51	A Incorp	WHC-IP-0971	Entire Document	
	40CFR265 Part 52(a)	A Incorp	WHC-IP-0971	Entire Document	
	40CFR265 Part 52(f)	A Incorp	WHC-IP-0971	Entire Document	
	40CFR265 Part 53(a)	A Incorp	WHC-IP-0971	Entire Document	
	DOE5500.3A Section 11.d.(1)	A Dis	DOE-RL-93-75	Entire Document	
				Entire Document	
			WHC-IP-0971	Entire Document	
				TBD	Revit
	WAC-173-303 Section 350(2)	A Incorp	DOE-RL-93-75	Entire Document	
			WHC-IP-0971	Entire Document	
	WAC-173-303 Section 350(3)(d)	A Incorp	DOE-RL-93-75	Entire Document	
			WHC-IP-0971	Entire Document	

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	WAC-173-303 Section 350(3)(c)	A Incorp	DOE-RL-93-75	Entire Document
			WHC-CM-4-43	11.1
			WHC-IP-0971	Entire Document
	WAC-173-303 Section 350(3)(f)	A Incorp	DOE-RL-93-75	Entire Document
			WHC-IP-0971	Entire Document
	WAC-173-303 Section 350(4)	A Incorp	DOE-RL-93-75	Entire Document
			WHC-IP-0971	Entire Document
	WAC-173-303 Section 350(5)	A Incorp	WHC-CM-4-43	11.1
				11.1
			WHC-IP-0971	Entire Document
	WAC-296-62 Section 3140(8)(a)(b)	A Incorp	WHC-CM-4-43	2-2.01
				2-5.01
				2-5.01
				2-5.02
				2-7.01
				2-7.01
				G 3.09
				G 3.09
				G-3.01
				G-3.01
				G-3.02
				G-3.02
				G-3.02
				G-3.07
			WHC-IP-0263-209E	Entire Document
				Entire Document
				Entire Document
				Entire Document
				Entire Document
				Entire Document
			WHC-IP-0263-242A	Entire Document
				Entire Document
				Entire Document

SRID Element	Location	Applicable Incorporated Implementing Manuals		
				Entire Document
				Entire Document
				Entire Document
			WHC-IP-0263-LERF	Entire Document
				Entire Document
				Entire Document
				Entire Document
			WHC-IP-0263-TF	Entire Document
				Entire Document
				Entire Document
				Entire Document
				Entire Document
				Entire Document
			WHC-IP-0839-TF	Entire Document
				Entire Document
				Entire Document
				Entire Document
				Entire Document
				Entire Document
				Entire Document
			WHC-IP-0971	Entire Document
3.3 Emergency Implementing Procedures	29CFR1910 Part 120(p)(8)(iv)	A Incorp	WHC-IP-0971	Entire Document
	DOE5480.10 Section 9.c(4)(f)	A Incorp	WHC-CM-4-43	1.1
			WHC-CM-7-5	5.0
			WHC-IP-0971	Entire Document
	DOE5500.3A Section 11.d, Paragraph 1	A Incorp	WHC-IP-0971	Entire Document

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE5500.3A Section 11.d.(2)	A Incorp	WHC-IP-0971	Entire Document
	WAC-173-303 Section 350(3)(b)	A Incorp	WHC-IP-0971	Entire Document
	WAC-173-303 Section 360(2)(a)	A Incorp	DOE-RL-93-75	Entire Document
			WHC-CM-4-43	2.2
			WHC-IP-0971	Entire Document
	WAC-173-303 Section 360(2)(b)	A Incorp	DOE-RL-93-75	Entire Document
			WHC-IP-0971	Entire Document
	WAC-173-303 Section 360(2)(c)	A Incorp	WHC-CM-4-43	2.1B
			WHC-IP-0971	Entire Document
	WAC-173-303 Section 360(2)(f)	A Incorp	DOE-RL-94-02	Entire Document
			WHC-IP-0971	Entire Document
	WAC-173-303 Section 360(2)(g)	A Incorp	WHC-CM-4-43	2.1B
			WHC-IP-0971	Entire Document
	WAC-173-303 Section 360(2)(h)	A Incorp	WHC-IP-0971	Entire Document
	WAC-173-303 Section 360(2)(i)	A Incorp	WHC-IP-0971	Entire Document
	WAC-296-62 Section 3140(8)(d)	A Incorp	WHC-IP-0971	Entire Document

SRID Element	Location	[illegible]plicable Incorporated Implementing Manuals		
5.4.2 Emergency Equipment and Supplies	29CFR1910 Part 134(a)(7), Last Sentence	A Incorp	WHC-CM-4-3, Volume 3	11.0
			WHC-IP-0971	Entire Document
	29CFR1910 Part 134(f)(2)(iv)	A Incorp	WHC-CM-4-41	8.1
				8.1
			WHC-IP-0971	Entire Document
	29CFR1910 Part 134(f)(5)(iii)	A Incorp	WHC-CM-4-40	5.3
			WHC-IP-0971	Entire Document
	40CFR265 Part 52(c)	A Incorp	WHC-IP-0971	Entire Document
	DOE5500.3A Section 11.c.(10)(d)	A Incorp	DOE-RL-93-75	Entire Document
			WHC-IP-0971	Entire Document
5.4.3 Communications Equipment	29CFR1910 Part 38(a)(3)	A Incorp	DOE-RL-93-75	Entire Document
			WHC-IP-0971	Entire Document
	29CFR1910 Part 165(b)(1)	A Incorp	DOE-RL-93-75	Entire Document
			WHC-IP-0971	Entire Document
	29CFR1910 Part 165(b)(2)	A Incorp	WHC-IP-0971	Entire Document
			WHC-SP-0708	Entire Document
	29CFR1910 Part 165(b)(3)	A Incorp	DOE-RL-93-75	Entire Document
			WHC-IP-0971	Entire Document
	29CFR1910 Part 165(b)(4)	A Dis	WHC-CM-4-41	NI
			WHC-CM-4-43	1.1
				10.2
				11.1
				11.1
			WHC-IP-0971	Entire Document
				TBD

SRID Element	Location	Applicable Incorporated Implementing Manuals				
	29CFR1910 Part 165(b)(5)	A	Incorp	WHC-CM-4-41	NI	
				WHC-CM-4-43	1.1	
					11.1	
				WHC-IP-0971	Entire Document	
	WAC-173-303 Section 340(1)	A	Incorp	DOE-RL-93-75	Entire Document	
				WHC-CM-4-41	Appendix B	
					NI	
				WHC-IP-0971	Entire Document	
	WAC-173-303 Section 340(2)	A	Incorp	DOE-RL-93-75	Entire Document	
				WHC-IP-0971	Entire Document	
5.5 Classification, Notification and Reporting	DOE5500.1B Section 10.w(26)(a)1	A	Incorp	WHC-CM-4-43	2.1B	
					2.2	
				WHC-IP-0971	Entire Document	
5.5.1 Event Classification and Emergency Action Levels (EALs)	40CFR265 Part 56(b)	A	Incorp	WHC-IP-0971	Entire Document	
	DOE5500.2B Section 11.a.2(a)4b	A	Incorp	WHC-IP-0971	Entire Document	
	DOE5500.2B Section 11.a.2(a)4d	A	Dis	WHC-IP-0971	TBD	Revit
	DOE5500.2B Section 11.a.2(a)4e	A	Dis	WHC-IP-0971	TBD	Revit
	DOE5500.2B Section 11.a.2(b)7.b	A	Incorp	WHC-IP-0971	Entire Document	
	DOE5500.2B Section 11.a.2(b)7.d	A	Dis	WHC-IP-0971	TBD	Revit
	DOE5500.2B Section 11.a.2(b)7.e	A	Dis	WHC-IP-0971	TBD	Rev
	DOE5500.2B Section 11.a.2(c)7.b	A	Incorp	WHC-IP-0971	Entire Document	

SRID Element	Location	Applicable	Incorporated	Implementing Manuals		
	DOE5500.2B Section 11.a.2(c)7.d	A Dis	WHC-IP-0971	TBD		Revit
	DOE5500.2B Section 11.a.2(c)7.c	A Dis	WHC-IP-0971	TBD		Revit
	DOE5500.3A Section 11.c.(3)	A Incorp	WHC-IP-0971	Entire Document		
5.5.2 Notifications and Staff Augmentations	40CFR355 Part 40(b)(2)	A Incorp	WHC-CM-7-5	5.0		
				5.0		
			WHC-IP-0971	Entire Document		
	DOE5500.2B Section 12.b(2)(a)	A Incorp	WHC-CM-1-3	MRP 5.14		
			WHC-CM-1-5	7.1		
			WHC-CM-4-43	2-2.02		
				2.2		
			WHC-IP-0839-TF	Entire Document		
			WHC-IP-0858	Entire Document		
			WHC-IP-0971	Entire Document		
	DOE5500.3A Section 11.c.(4)	A Incorp	WHC-IP-0971	Entire Document		
	WAC-173-303 Section 360(2)(d)	A Incorp	DOE-RL-93-75	Entire Document		
			WHC-CM-1-5	7.1		
			WHC-CM-4-43	2.2		
				2.2		

SRID Element	Location		Applicable Incorporated Implementing Manuals	
			WHC-IP-0971	Entire Document
	WAC-173-303 Section 360(2)(c)	A Incorp	DOE-RL-93-75	Entire Document
				Entire Document
			WHC-IP-0971	Entire Document
5.5.3 Reporting and Event Investigations	DOE5500.1B Section 10.w(26)(a)5	A Incorp	WHC-CM-1-3	MRP 5.14
			WHC-IP-0971	Entire Document
	DOE5500.2B Section 12.b(2)(d)	A Incorp	WHC-CM-4-43	2-2.02
			WHC-IP-0839-TF	Entire Document
			WHC-IP-0971	Entire Document
	WAC-173-303 Section 360(2)(k)	A Incorp	WHC-CM-1-5	7.1
			WHC-CM-7-5	5.0
				5.0
			WHC-IP-0971	Entire Document
6.1 Event Containment and Consequence Assessment	29CFR1910 Part 120(q)(3)(ii)	A Incorp	WHC-CM-4-43	1.1
			WHC-IP-0971	Entire Document
	DOE5500.2B Section 11.a(2)(a)	A Dis	WHC-IP-0971	TBD

SRID Element	Location	[illegible]plicable Incorporated Implementing Manuals			
	DOE5500.2B Section 11.a.2(b)	A Dis	WHC-IP-0971	TBD	Revit
	DOE5500.2B Section 11.a.2(c)	A Dis	WHC-IP-0971	TBD	Revit
	DOE5500.3A Section 11.c.(5)	A Incorp	DOE-RL-93-75	Entire Document	
				Entire Document	
			WHC-CM-4-43	2.1B	
				2.5	
			WHC-IP-0971	Entire Document	
	DOE5500.3A Section 11.c.(6)(c)	A Incorp	DOE-RL-94-02	Entire Document	
			WHC-CM-4-43	10.2	
			WHC-IP-0971	Entire Document	
5.6.2 Protective Actions	DOE5480.11 Section 9.p(3)(a)3	A Incorp	HSRCM-1	CHAPTER 2	
			WHC-IP-0971	Entire Document	
	DOE5500.3A Section 11.c.(6)(b)	A Incorp	DOE-RL-94-02	Entire Document	
			HSRCM-1	CHAPTER 7	
			WHC-IP-0971	Entire Document	
5.6.3 Personnel Accountability and Evacuation	DOE5500.3A Section 11.c.(6)(c)	A Incorp	DOE-RL-94-02	Entire Document	
			WHC-IP-0971	Entire Document	
5.6.4 Medical Response	29CFR1910 Part 120(q)(9)(ii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1	
			WHC-IP-0971	TBD	Revit

SRID Element	Location	[illegible]plicable Incorporated Implementing Manuals			
5.7 Recovery and Reentry	10CFR835 Part 1301(c)	A Incorp	WHC-CM-1-5	7.1	
			WHC-IP-0971	Entire Document	
			WHC-SP-1145	Entire Document	
	10CFR835 Part 1301(d)	A Incorp	HSRCM-1	CHAPTER 3	
				CHAPTER 3	
			WHC-IP-0971	Entire Document	
			WHC-SP-1145	Entire Document	
	10CFR835 Part 1301(e)	A Incorp	HSRCM-1	CHAPTER 7	
			WHC-CM-1-5	7.1	
			WHC-IP-0971	Entire Document	
			WHC-SP-1145	Entire Document	
	10CFR835 Part 1302(a)	A Incorp	HSRCM-1	CHAPTER 2	
				CHAPTER 2	
			WHC-IP-0971	Entire Document	
			WHC-SP-1145	Entire Document	
	10CFR835 Part 1302(b)	A Incorp	HSRCM-1	CHAPTER 2	
			WHC-IP-0971	Entire Document	
			WHC-SP-1145	Entire Document	
	10CFR835 Part 1302(d)	A Incorp	HSRCM-1	CHAPTER 2	
			WHC-CM-4-43	10.8	
			WHC-SP-1145	Entire Document	
	10CFR835 Part 1302(e)	A Dis	HSRCM-1	CHAPTER 2	
				CHAPTER 6	
			WHC-IP-0971	TBD	Revit
			WHC-SP-1145	Entire Document	
	DOE5480.11 Section 9.p(3)(b)1	A Incorp	WHC-IP-0971	Entire Document	
	DOE5500.3A Section 11.c.(8)	A Incorp	DOE-RL-93-75	Entire Document	
			WHC-CM-4-43	10.8	
				10.8	
				10.8	
				10.8	
			WHC-IP-0971	Entire Document	

SRID Element	Location	[illegible]plicable Incorporated Implementing Manuals			
	WAC-173-303(940523) Section 360(2)(h)	A Incorp	WHC-CM-4-43	10.8	
			WHC-CM-7-5	3.0	
				5.0	
			WHC-IP-0971	Entire Document	
	WAC-173-303(940523) Section 360(2)(i)	A Incorp	WHC-IP-0971	Entire Document	
	WAC-173-303(940523) Section 360(2)(j)	A Incorp	WHC-IP-0971	Entire Document	
5.10.1 Drill and Exercise Program	DOE5500.1B Section 10.w(26)(a)3	A Incorp	DOE-RL-94-02	Entire Document	
			WHC-CM-4-43	11.1	
			WHC-IP-0971	Entire Document	
	DOE5500.3A Section 11.c.(12)(a)	A Incorp	DOE-RL-94-02	Entire Document	
			WHC-CM-1-5	5.1	
				5.1	
			WHC-IP-0971	Entire Document	
	DOE5500.3A Section 11.c.(12)(c)	A Incorp	WHC-IP-0971	Entire Document	
	DOE5500.3A Section 11.c.(12)(d)	A Dis	WHC-IP-0971	TBD	Revit
	DOE5500.3A Section 11.c.(12)(e)	A Incorp	WHC-IP-0971	Entire Document	
5.10.4 Deficiency Identification and Correction	DOE5482.1B Section 9.a(5)	A Dis	DOE-RL-94-02	Entire Document	
			WHC-CM-4-43	11.9	
			WHC-IP-0971	TBD	Revit
	DOE5482.1B Section 9.a(7)	A Dis	WHC-CM-1-4	2.0	
			WHC-CM-4-43	11.9	
				11.9	
			WHC-IP-0971	TBD	Revit

3.6 Safeguards & Security

Safeguards and Security

1.0 INTRODUCTION

The Safeguards and Security functional area is comprised of six (6) functional area elements containing requirements and includes 16 individual requirement statements. The evaluation was completed by Eric Biebesheimer, reporting to Cynthia Day-Phalen, the Manager of Support Services and Business Improvements.

The six functional area elements that contained requirements which were evaluated are: Management and Administration and Protection Program Operations, Material Control and Accountability for Special Nuclear Material, Facility Approvals Security and Nuclear Material Surveys, Information Security Program, and Evaluation of Radiological and Toxicological and Sabotage Consequences. The assessment process evaluated whether existing manuals and documentation implemented the requirements under assessment. Individual manuals and documentation used as evidence as are identified in the data bases in the ERMI computer program. The manuals and documentation listed in the data bases represent the evidence necessary to demonstrate the implementation status of the individual requirement.

The results of the completed assessment indicate that the Tank Farm S/RID requirements for the Safeguards and Security Functional Area are implemented in WHC controlled Manuals, Procedures, or Documents.

2.0 SUMMARY

Within the Safeguards and Security functional area 16 individual requirements were evaluated. Of these, all 16 were evaluated as being implemented in controlled procedures.

The following documents were evaluated and determined to implement the Safeguards and Security S/RID Requirements: Security Manual (WHC-CM-4-33), Tank Waste Remediation System Administrative Procedures (WHC-IP-0842, Volume II, Sections 3.1 [Access Control for Hazardous Facilities], Section, 3.2 [Key Control for Hazardous Facilities], 3.3 [Control of Construction Contractors Within Tank Farms], and 4.9.1 [Lockout/Tagout].

3.0 DETAILED RESULTS

As noted earlier, this functional area has six elements containing requirements. Management and Administration (6.1) contains requirements dealing with policy and procedures, authority and responsibilities, and

staffing and training. Protection Program Operations (6.3) has requirements dealing with Physical Security, Security Systems, Protective Forces, Security Identification Badges and Passes, Incident Response and Managements, Transportation Security. Material Control and Accountability for Special nuclear Material (6.4) contains requirements dealing with material control and accountability plans, special nuclear material accountability systems, and material control systems.

Facility Approvals, Security and Nuclear Material Surveys (6.5) contains requirements dealing with performance evaluations to demonstrate the facilities ability to meet safeguards and security scenarios. Information Security Program (6.6) contains requirements dealing with classified matter protection and control, technical surveillance countermeasures, automated information systems security programs, unclassified computer and sensitive automated data processing systems, communications security. Evaluation of Radiological and Toxicological and Sabotage Consequences (6.9) contains requirements dealing with participation in evaluations to test aspects of this elements requirements.

Table 3.1 Safeguards and Security S/RID Element Status contains four columns: the first shows the Functional Area sub-element numerical identifier, the second shows the sub-element description, the third and fourth show the sub-element requirement status as being either "incorporated" (Inc) or "discrepant" (Dis) respectively. Any items marked "Dis" are discussed in paragraph 4.0 Discrepancies.

Table 3.1 Safeguards and Security S/RID Element Status

Element Identifier	Element Description	Inc	Dis
6.1	Management and Administration	1	0
6.3	Protection Program Operations	6	0
6.4	Material Control & Accountability for SNM	1	0
6.5	Facility Approvals, Security & Material Surveys	1	0
6.6	Information Security Program	4	0
6.9	Evaluation of Radiological, Toxicological, and Sabotage Consequences	3	0

4.0 DISCREPANCIES

There are no discrepancies for this functional area.

Were there any discrepancies, they would be discussed within this section. In addition, the priority of the resolution action is identified. Priorities have been grouped into three categories: Immediate, prompt, or routine actions. Immediate actions are those necessary to resolve a safety-related compliance issue and would be resolved within 2-4 weeks. Prompt actions are those that are administrative in nature but do affect the ability of WHC to demonstrate compliance with regulatory requirements and would be completed within 12-16 weeks. Routine actions are those actions necessary to update forms or procedures (e.g., include new report distribution requirements) and would be completed at the next procedures revision cycle.

SS
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price .	16

6.1 Management and Administration
RLID5632.1B Section 6.c

6.3 Protection Program Operations
RLID5632.1B Section 7.1.c
RLID5632.1B Section 7.1.d
RLID5632.1B Section 7.1.g

6.3.1 Physical Security
RLID5632.1B Section 7.3.b
RLID5632.1B Section 7.4.a
RLID5632.1B Section 7.4.b

6.4 Material Control and Accountability for Special Nuclear Material
DOE5633.3B Chapter I, Section 6.a

6.5 Facility Approvals, Security and Nuclear Material Surveys
DOE5634.1B Chapter IV, Section 7

6.6.1 Classified Matter Protection and Control (CMPC)
DOE-M-5632.1C-1 Chapter III, Section 1.b
DOE-M-5632.1C-1 Chapter III, Section 1.c
DOE-M-5632.1C-1 Chapter III, Section 2, Sentence 1
DOE-M-5632.1C-1 Chapter III, Section 3.a

6.9 Evaluation of Radiological and Toxicological and Sabotage Consequences
DOE5632.1C Preamble, Section 5.b
DOE5632.1C Preamble, Section 7.b
RLID5630.3A Section 7.0, Paragraph 1

SRID Element	Location	Applicable Incorporated Implementing Manuals		
6.1 Management and Administration	RLID5632.1B Section 6.c	A Incorp	WHC-CM-4-33	Introduction
			WHC-IP-0842, VOL 2	3.1
6.3 Protection Program Operations	RLID5632.1B Section 7.1.c	A Incorp	WHC-CM-4-33	1.3
	RLID5632.1B Section 7.1.d	A Incorp	WHC-CM-4-33	2.10
	RLID5632.1B Section 7.1.g	A Incorp	WHC-CM-4-33	2.10
6.3.1 Physical Security	RLID5632.1B Section 7.3.b	A Incorp	WHC-CM-4-33	2.10
	RLID5632.1B Section 7.4.a	A Incorp	WHC-CM-4-33	2. 4
				2.10
	RLID5632.1B Section 7.4.b	A Incorp	WHC-CM-4-33	2.10
6.4 Material Control and Accountability for Special Nuclear Material	DOE5633.3B Chapter I, Section 6.a	A Incorp	WHC-CM-4-33	5.1
			WHC-IP-1019	Entire Document
6.5 Facility Approvals, Security and Nuclear Material Surveys	DOE5634.1B Chapter IV, Section 7	A Incorp	WHC-CM-4-33	5.1
6.6.1 Classified Matter Protection and Control (CMPC)	DOE-M-5632.1C-1 Chapter III, Section 1.b	A Incorp	WHC-CM-4-33	2.10
	DOE-M-5632.1C-1 Chapter III, Section 1.c	A Incorp	WHC-CM-4-33	3.12
	DOE-M-5632.1C-1 Chapter III, Section 2, Sentence 1	A Incorp	WHC-CM-4-33	3.12
	DOE-M-5632.1C-1 Chapter III, Section 3.a	A Incorp	WHC-CM-4-33	3.13
6.9 Evaluation of Radiological and Toxicological and Sabotage Consequences	DOE5632.1C Preamble, Section 5.b	A Incorp	WHC-CM-4-33	3.13
	DOE5632.1C Preamble, Section 7.b	A Incorp	WHC-CM-4-33	5.1

SRID Element	Location	[illegible]plicable Incorporated Implementing Manuals	
RLID5630.3A Section 7.0, Paragraph 1	A Incorp WHC-CM-4-33	5.1	

3.7 Engineering Design

Engineering Program

1.0 INTRODUCTION

The Engineering functional area is comprised of two functional area elements that contain requirements. The two elements are comprised of 18 sub-elements, containing 43 individual requirement statements. The evaluation was managed by Shakir Zuberi, reporting to William Miller, Manager, Design Authority. Assisting in the evaluation were Warren Wilson, reporting to Thomas Varljen, Manager, TWRS Engineering Management Systems, Dale Salsman, reporting to James Thomson, Deputy Director, TWRS Engineering, and Scott Ritts, of Management Strategies, Inc.

The two functional area elements that were evaluated were 7.1, Management and Administration and 7.2, Design. The sub-elements in these two elements are identified in Table 3.1. The assessment process evaluated whether existing manuals and documentation implemented the requirements under assessment. Manuals and other documents, and their specific sections/procedures, used as evidence are identified in the databases in the ERMI computer program. The documents listed in the databases contain the evidence to demonstrate the implementation status of the individual requirement.

The results of the completed assessment indicate that all but 3 of the Tank Farm S/RID requirements for the Engineering Functional Area are implemented in WHC controlled manuals, procedures, or other documents such as supporting documents.

2.0 SUMMARY

Within the Engineering functional area, 43 individual requirements were evaluated. Of these, 40 were evaluated as being implemented in controlled directive documents, three were evaluated as being not applicable, and none were evaluated as being discrepant, i.e., not totally implemented by WHC procedures. The three requirements evaluated as being not applicable, two are paragraphs containing no assessable requirements and which should be eliminated or reformatted to clearly indicate they are for information only. The third non-applicable requirement provides no Environmental, Safety, and Health (ES&H) function and therefore shoukldn't be an S/RID requirement.

The following documents were evaluated. Those that were determined to contain direction implementing Engineering S/RID Requirements are prefaced with an asterisk:

* Company Policies and Charters (WHC-CM-1
* Management Requirements and Procedures (WHC-CM-1-3)
  Standard Operating Practices (WHC-CM-1-5)

* Work Management Manual (WHC-CM-1-8)
  Safety Manual (WHC-CM-1-10)
* Materials Management Manual (WHC-CM-2-2)
* Management Control System (WHC-CM-2-5)
  Hazardous Material Packaging and Shipping (WHC-CM-2-14)
* Training Standards (WHC-CM-2-15)
  Budget Formulation (WHC-CM-2-17)
* Document Control and Record Management Manual (WHC-CM-3-5)
  Uniform Publications System (WHC-CM-3-6)
* Software Practices (WHC-CM-3-10)
* WHC Quality Assurance Manual (WHC-CM-4-2)
* Safety Analysis Manual (WHC-CM-4-46)
* Standard Engineering Practices (WHC-CM-6-1)
* Project Management (WHC-CM-6-2)
* Engineering Practice Guidelines (WHC-IP-1026)
* TWRS Administrative Procedures (WHC-IP-0842, Volumes I, III, IV)
* TWRS Systems Engineering Management Plan (WHC-SD-WM-SEMP-002, Rev 0)
* TWRS System Engineering Manual (WHC-IP-1231)
* TWRS Configuration Management Program Plan (CMPP) (WHC-SD-WM-CM-013)

3.0 DETAILED RESULTS

As noted earlier, this functional area has two elements containing requirements. Management and Administration (7.1) contains requirements dealing with policies and procedures, organization, staffing and training planning, scheduling, cost estimating, standards and guides, testing, construction inspection, engineering documentation, and interfaces. Design (7.2) has requirements dealing with the design process, criteria, products, review and verification, change controls, and design life.

Table 3.1 Engineering S/RID Element Status which follows indicates the status of elements and their sub-elements as being "incorporated" (Inc), "discrepant" (Dis), or "not applicable" (N/A). Sub-elements containing no requirements are not listed. A total of 43 requirements are reflected on Table 3.1, including three requirements judged not applicable, as discussed below.

Not Applicable Requirements:

Sub-element 7.1.4, <u>Planning</u>, DOE-GUIDE-10CFR830 Section 5.1

This paragraph states that *"A work process includes all activities involved in performing defined tasks to achieve an objective. Work Processes may include such activities as planning, scheduling, accounting, project management, design, analysis, fabrication, procurement, construction, installation, testing, operation, modification, maintenance, and decommisssioning. The work process is a planned mix of people, equipment, environmental conditions, supply,*

management support, resources, and requirements. Any one of these elements has the potential for not allowing process goals to be met."

The quoted paragraph contains no requirements and is essentially a definition of the term "work process", with some policy information thrown in. However, since the information can be useful in interpreting the other parts of this sub-element, it should not be deleted but rather reformatted as an AUTHORS NOTE to clarify to the reader/user that it is not a requirement that needs to be implemented or assessed.

Sub-element 7.1.4, Planning, DOE-GUIDE-10CFR830 Section 5.3, Paragraph 2

This paragraph states that *"Workers should be considered as prime resources concerning the various aspects of their process. They understand how the process works and how metrics can best be applied. They are first line contact with both customers and suppliers and possess first hand knowledge of the products and services being supplied to and by their process."*

The quoted paragraph is basically a policy, containing no assessable requirements. The essence of the intent of the paragraph is contained in WHC-CM-1, "Company Policies and Charters", Total Quality Policy. However, since the paragraph has no requirements that can be assessed, the recommended action is to delete it in the next SRID update.

Sub-element 7.1.5, Scheduling, DOE 4700.1 Chapter III.F.9.a.(3)(2)

This item states "The accounting criteria require that contract costs and performance measurement data elements be accumulated and summarized from the bottom up as directly as possible, with out allocations."

This requirement is not directly applicable to the engineering functional area. The accounting system is passed on to the engineerign function and is not unique to it. The requirementss are at a higher level in the financial control area. Accounting criteria do not in themselves add to environmental, safety, nor helath functions within Tank Farm Transition Projects and therefore should not be an S/RID requirement.

Table 3.1 Engineering S/RID Element Status

Element Identifier	Element Description	Inc	Dis	N/A
7.1	MANAGEMENT AND ADMINISTRATION	-	-	-
7.1.1	Program Policy and Procedures	1	0	0
7.1.2	Authority and Responsibility	6	0	0
7.1.4	Planning	8	0	2
7.1.5	Scheduling	5	0	1
7.1.7	Standards and Guides	2	0	0
7.1.9	Testing Program	3	0	0
7.1.11	Engineering Documentation	3	0	0
7.2	DESIGN	1	0	0
7.2.1	Design Process	3	0	0
7.2.2	Design Criteria	1	0	0
7.2.3	Design Products	1	0	0
7.2.4	Design Review and Verification	3	0	0
7.2.5	Design Change Controls	1	0	0
7.2.6	Design Life	2	0	0
TOTALS		40	0	3

4.0 DISCREPANCIES

No requirements were found to be discrepant.

EN
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	40

INCORPORATED

7.1.1 Program Policy and Procedures
DOE-GUIDE-10CFR830 Section 1.1

7.1.2 Authority and Responsibility
DOE-GUIDE-10CFR830 Section 1.2
DOE-GUIDE-10CFR830 Section 1.3
DOE-GUIDE-10CFR830 Section 5.2, Paragraph 2
DOE-GUIDE-10CFR830 Section 5.2, Paragraph 3
DOE-GUIDE-10CFR830 Section 5.3, Paragraph 1
DOE-GUIDE-10CFR830 Section 5.4, Paragraph 1

7.1.4 Planning
DOE-GUIDE-10CFR830 Section 5.2, Paragraph 1
DOE-GUIDE-10CFR830 Section 5.4, Paragraph 2
DOE-GUIDE-10CFR830 Section 5.4, Paragraph 3
DOE4700.1 Chapter III.B.2.c.(1)(a)
DOE4700.1 Chapter III.B.2.c.(2)(a)
DOE4700.1 Chapter III.B.2.c.(2)(b)[1]
DOE4700.1 Chapter III.B.2.c.(2)(b)[2]
DOE4700.1 Chapter III.B.2.c.(2)(b)[3]

7.1.5 Scheduling
DOE4700.1 Chapter III.F. 9.a.(2)[2]
DOE4700.1 Chapter III.F. 9.a.(2)[3]
DOE4700.1 Chapter III.F. 9.a.(3)[3]
DOE4700.1 Chapter III.F. 9.a.(3)[4]
DOE4700.1 Chapter III.F. 9.a.(4)[2]

7.1.7 Standards and Guides
DOE6430.1A Section 0109, Sentences 1 and 2
DOE6430.1A Section 0140[09]

7.1.9 Testing Program
DOE-GUIDE-10CFR830 Section 8.1
DOE-GUIDE-10CFR830 Section 8.2
DOE-GUIDE-10CFR830 Section 8.3

7.1.11 Engineering Documentation
DOE-GUIDE-10CFR830 Section 4.1
DOE-GUIDE-10CFR830 Section 4.2
DOE-GUIDE-10CFR830 Section 4.3

7.2 Design
DOE-GUIDE-10CFR830 Section 6.1

7.2.1 Design Process
DOE-GUIDE-10CFR830 Section 6.3, Paragraph 1
DOE-GUIDE-10CFR830 Section 6.3, Paragraph 2
DOE-GUIDE-10CFR830 Section 6.3, Paragraph 3

7.2.2 Design Criteria
DOE-GUIDE-10CFR830 Section 6.2, Paragraph 1

7.2.3 Design Products
DOE-GUIDE-10CFR830 Section 6.4

7.2.4 Design Review and Verification
DOE-GUIDE-10CFR830 Section 6.5, Paragraph 2
DOE-GUIDE-10CFR830 Section 6.5, Paragraph 3
DOE6430.1A Section 0140[10]

7.2.5 Design Change Controls
DOE-GUIDE-10CFR830 Section 6.6

7.2.6 Design Life
DOE-STD-1073-93 Chapter 1, Section 1.3.7.2

EN
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	40

DOE-STD-1073-93 Chapter 1, Section 1.3.7.3

EN
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
No	SRID	All	Not Marked	3

NA

7.1.4 Planning
DOE-GUIDE-10CFR830 Section 5.1
DOE-GUIDE-10CFR830 Section 5.3, Paragraph 2'

7.1.5 Scheduling
DOE4700.1 Chapter III.F. 9.a.(3)[2]

SRID Element	Location	Applicable Incorporated Implementing Manuals		
7.1.1 Program Policy and Procedures	DOE-GUIDE-10CFR830 Section 1.1	A Incorp	NEW_WHC-CM-1	TOTAL QUALITY POLICY
			WHC-CM-1-3	MRP 1.16
			WHC-CM-2-5	1.1
				2.1
				2.2
				2.3
				3.1
				3.5
				4.1
				5.1
7.1.2 Authority and Responsibility	DOE-GUIDE-10CFR830 Section 1.2	A Incorp	NEW_WHC-CM-1	CHARTER
			WHC-CM-1-3	MRP 4.40
			WHC-CM-1-8	1.0
			WHC-CM-2-5	2.2
				5.1
	DOE-GUIDE-10CFR830 Section 1.3	A Incorp	NEW_WHC-SD-WM-CM -013	4.0
				APPENDIX B
			WHC-CM-2-15	1.1
			WHC-CM-3-5	12.0
				12.7
			WHC-CM-4-46	2.0
				3.0
	DOE-GUIDE-10CFR830 Section 5.2, Paragraph 2	A Incorp	WHC-CM-1-3	MRP 4.40
			WHC-CM-2-5	1.1
				2.1
				2.2
			WHC-IP-0842, VOL 1	2.1
	DOE-GUIDE-10CFR830 Section 5.2, Paragraph 3	A Incorp	WHC-CM-2-15	1.1
			WHC-IP-0842, VOL 3	1.1
				10.3
				10.8

SRID Element	Location	Applicable Incorporated Implementing Manuals		
			WHC-IP-0842, VOL 4	2.3
	DOE-GUIDE-10CFR830 Section 5.3, Paragraph 1	A Incorp	WHC-CM-1-3	MRP 4.40
			WHC-CM-1-8	1.0
	DOE-GUIDE-10CFR830 Section 5.4, Paragraph 1	A Incorp	WHC-CM-6-1	ALL
			WHC-CM-6-2	ALL
			WHC-IP-0842, VOL 4	ALL
			WHC-IP-1026	Entire Document
7.1.4 Planning	DOE-GUIDE-10CFR830 Section 5.2, Paragraph 1	A Incorp	WHC-IP-0842, VOL 1	2.1
	DOE-GUIDE-10CFR830 Section 5.4, Paragraph 2	A Incorp	WHC-IP-0842, VOL 1	2.1
				2.11
	DOE-GUIDE-10CFR830 Section 5.4, Paragraph 3	A Incorp	NEW_WHC-CM-2-2	SECTION 4
			WHC-CM-4-2	QR 13.0
				QR 15.0
	DOE4700.1 Chapter III.B.2.c.(1)(a)	A Incorp	NEW_WHC-IP-1231	1.0
			NEW_WHC-SD-WM-SE MP-002	3.1
	DOE4700.1 Chapter III.B.2.c.(2)(a)	A Incorp	NEW_WHC-IP-1231	1.0
				ALL
			NEW_WHC-SD-WM-SE MP-002	ALL
	DOE4700.1 Chapter III.B.2.c.(2)(b)[1]	A Incorp	NEW_WHC-IP-1231	8.0
			NEW_WHC-SD-WM-SE MP-002	2.2.1
				4.2.3
	DOE4700.1 Chapter III.B.2.c.(2)(b)[2]	A Incorp	NEW_WHC-IP-1231	8.0
			NEW_WHC-SD-WM-SE MP-002	2.2.1
				4.2.3

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE4700.1 Chapter III.B.2.c.(2)(b)[3]	A Incorp	NEW_WHC-IP-1231	8.0
			NEW_WHC-SD-WM-SE MP-002	4.2.2
				4.2.3
7.1.5 Scheduling	DOE4700.1 Chapter III.F. 9.a.(2)[2]	A Incorp	NEW_WHC-SD-WM-SE MP-002	2.0
				4.1.5
				4.2.3
	DOE4700.1 Chapter III.F. 9.a.(2)[3]	A Incorp	NEW_WHC-IP-1231	4.0
			NEW_WHC-SD-WM-SE MP-002	2.0
				4.0
			WHC-CM-2-5	1.2
			WHC-CM-6-2	PM-11
			WHC-IP-0842, VOL 1	2.6
	DOE4700.1 Chapter III.F. 9.a.(3)[3]	A Incorp	WHC-CM-2-5	3.0
	DOE4700.1 Chapter III.F. 9.a.(3)[4]	A Incorp	WHC-CM-2-5	1.5
	DOE4700.1 Chapter III.F. 9.a.(4)[2]	A Incorp	WHC-CM-2-5	3.0
7.1.7 Standards and Guides	DOE6430.1A Section 0109, Sentences 1 and 2	A Incorp	WHC-CM-1-3	MRP 1.1
			WHC-CM-4-2	QI 2.8
				QR 3.0
			WHC-CM-6-1	EP-1.1
	DOE6430.1A Section 0140[09]	A Incorp	WHC-CM-4-2	QR 3.0
			WHC-IP-0842, VOL 1	2.10
				2.4
				6.3

SRID Element	Location	Applicable Incorporated Implementing Manuals		
7.1.9 Testing Program	DOE-GUIDE-10CFR830 Section 8.1	A Incorp	NEW_WHC-IP-1231	5.0
			WHC-CM-4-2	QR 10.0
				QR 11.0
				QR 14.0
			WHC-CM-6-1	EP-4.2
				EP-5.9
			WHC-IP-0842, VOL 1	5.0
			WHC-IP-0842, VOL 4	2.3
				4.6
				4.7
	DOE-GUIDE-10CFR830 Section 8.2	A Incorp	WHC-CM-4-2	QR 10.0
				QR 11.0
			WHC-IP-0842, VOL 1	5.0
	DOE-GUIDE-10CFR830 Section 8.3	A Incorp	WHC-CM-4-2	QI 12.2
				QI 12.4
				QI 7.6
				QR 12.0
			WHC-CM-6-1	EP-4.2
			WHC-IP-0842, VOL 1	5.0
7.1.11 Engineering Documentation	DOE-GUIDE-10CFR830 Section 4.1	A Incorp	WHC-CM-3-5	12.7
			WHC-CM-4-2	QR 6.0
			WHC-CM-6-1	EP-1.1
				EP-1.7
			WHC-IP-0842, VOL 4	3.5
				3.6
	DOE-GUIDE-10CFR830 Section 4.2	A Incorp	WHC-CM-3-5	12.0
			WHC-CM-6-1	EP-1.1
				EP-1.12
				EP-1.7
				EP-2.2
			WHC-CM-6-2	PM-18
				PM-5

SRID Element	Location	[illegible]plicable Incorporated Implementing Manuals		
	DOE-GUIDE-10CFR830 Section 4.3	A Incorp	WHC-CM-3-5	1.0
				1.2
				12.0
				12.3
				4.0
				5.0
				6.0
				8.1
7.2 Design	DOE-GUIDE-10CFR830 Section 6.1	A Incorp	NEW_WHC-IP-1231	1.0
				2.0
				3.0
				4.0
				5.0
				8.0
				9.0
			NEW_WHC-SD-WM-CM -013	ALL
			NEW_WHC-SD-WM-SE MP-002	2.0
				3.0
				3.4.2
				3.4.3
				4.0
				4.2.2
				APPENDIX B
				APPENDIX D
				APPENDIX D

SRID Element	Location		Applicable Incorporated Implementing Manuals	
				APPENDIX D
				APPENDIX D
				APPENDIX D
				APPENDIX D
			WHC-CM-4-46	ALL
			WHC-IP-0842, VOL 4	5.9 (SMS-09)
			WHC-IP-1026	EPG-2.0
7.2.1 Design Process	DOE-GUIDE-10CFR830 Section 6.3, Paragraph 1	A Incorp	NEW_WHC-SD-WM-SEMP-002	APPENDIX D
			WHC-CM-4-2	QR 3.0
			WHC-CM-4-46	9.0
			WHC-CM-6-1	EP-4.1
			WHC-IP-0842, VOL 4	5.9 (SMS-09)
			WHC-IP-1026	EPG-1.0
				EPG-2.0
	DOE-GUIDE-10CFR830 Section 6.3, Paragraph 2	A Incorp	WHC-CM-3-10	SP-3.2
			WHC-CM-6-1	EP-4.1
	DOE-GUIDE-10CFR830 Section 6.3, Paragraph 3	A Incorp	WHC-CM-6-1	EP-4.1
			WHC-IP-1026	EPG 4.1
7.2.2 Design Criteria	DOE-GUIDE-10CFR830 Section 6.2, Paragraph 1	A Incorp	NEW_WHC-IP-1231	1.0
				2.0
				3.0
				4.0
				5.0
				8.0
				9.0
			NEW_WHC-SD-WM-SEMP-002	2.2.1
				3.1

SRID Element	Location	Applicable Incorporated Implementing Manuals		
				3.2
				3.3
				3.4
				3.5
				4.2.3
			WHC-IP-1026	EPG-1.0
				EPG-2.2
7.2.3 Design Products	DOE-GUIDE-10CFR830 Section 6.4	A Incorp	WHC-CM-6-1	EP-1.11
				EP-1.12
				EP-1.2
				EP-1.3
				EP-1.7
				EP-2.2
			WHC-IP-1026	EPG-1.0
				EPG-2.0
				EPG-2.2
7.2.4 Design Review and Verification	DOE-GUIDE-10CFR830 Section 6.5, Paragraph 2	A Incorp	WHC-CM-4-2	QR 3.0
			WHC-CM-6-1	EP-4.1
				EP-5.9
			WHC-IP-1026	EPG-5.9
	DOE-GUIDE-10CFR830 Section 6.5, Paragraph 3	A Incorp	WHC-CM-4-2	QR 3.0
			WHC-CM-6-1	EP-4.1
	DOE6430.1A Section 0140[10]	A Incorp	WHC-CM-6-1	EP-4.1
			WHC-IP-1026	EPG 4.1
7.2.5 Design Change Controls	DOE-GUIDE-10CFR830 Section 6.6	A Incorp	WHC-CM-4-2	QR 3.0
			WHC-CM-6-1	EP 2.2
			WHC-IP-0842, VOL 4	3.5
				4.5

SRID Element	Location	[illegible]pplicable Incorporated Implementing Manuals
7.2.6 Design Life	DOE-STD-1073-93 Chapter 1, Section 1.3.7.2	A Incorp NEW_WHC-SD-WM-CM 5.6 -013
	DOE-STD-1073-93 Chapter 1, Section 1.3.7.3	A Incorp NEW_WHC-SD-WM-CM 5.6 -013

3.8 Construction

Construction Program

1.0 INTRODUCTION

The Construction Program functional area is comprised of two (2) functional area elements and includes 28 individual requirement statements. The evaluation was completed by Eric Biebesheimer, reporting to Cynthia Day-Phalen, the Manager of Support Services and Business Improvements.

The two functional area elements contained requirements and were evaluated: Management and Administration and Program Activities. The assessment process evaluated whether existing manuals and documentation implemented the requirements under assessment. Individual manuals and documentation used as evidence as are identified in the data bases in the ERMI computer program. The manuals and documentation listed in the data bases represent the evidence necessary to demonstrate the implementation status of the individual requirement.

The results of the completed assessment indicate that all but four of the Tank Farm S/RID requirements for the Construction Program Functional Area are implemented in WHC controlled Manuals, Procedures, or Documents.

2.0 SUMMARY

Within the Construction Program functional area 28 individual requirements were evaluated. Of these, 24 were evaluated as being implemented in controlled procedures, while four were evaluated as being discrepant, i.e., not being totally implemented by facility procedures. Of the four requirements evaluated as being discrepant, none require immediate compensatory action nor have any impact on safety-related criteria.

The following documents were evaluated and determined to implement the Construction Program S/RID Requirements: Management Control System (WHC-CM-2-5), Project Management (WHC-CM-6-2), Engineering Practice Guidelines (WHC-IP-1026 (Appendix D)), Quality Assurance Manual (WHC-CM-4-2, QI 2.1), Safety Manual (WHC-CM 1-10), and Industrial Hygiene Manual (WHC-CM-4-4).

3.0 DETAILED RESULTS

As noted earlier, this functional area has two elements containing requirements. Management and Administration (8.1) contains requirements dealing with policy and procedures, authority and responsibilities, and staffing and training. Program Activities (8.2) has requirements dealing

with scheduling, planning, cost estimating, design considerations such as constructibility, maintainability, and value engineering, material and equipment storage, contract selection, construction program controls, and construction site walkthroughs.

Table 3.1 Construction Program S/RID Element Status contains four columns; the first shows the Functional Area sub-element numerical identifier, the second shows the sub-element description, the third and fourth show the sub-element requirement status as being either "incorporated" (Inc) or "discrepant" (Dis) respectively. Any items marked "Dis" are discussed in paragraph 4.0 Discrepancies.

Table 3.1 Construction Program S/RID Element Status

Element Identifier	Element Description	Inc	Dis
8.1	Management and Administration	2	0
8.2	Program Activities	22	4

4.0 DISCREPANCIES

The following describes the discrepancies listed in the Table 3.1. For each discrepancy, there is a stated plan of action for resolution. In addition, the priority of the resolution action is identified. Priorities have been grouped into three categories: Immediate, prompt, or routine actions. Immediate actions are those necessary to resolve a safety-related compliance issue and would be resolved within 2-4 weeks. Prompt actions are those that are administrative in nature but do affect the ability of WHC to demonstrate compliance with regulatory requirements and would be completed within 12-16 weeks. Routine actions are those actions necessary to update forms or procedures (e.g., include new report distribution requirements) and would be completed at the next procedures revision cycle.

1) Sub-element 8.2.3 - Cost Estimating

DOE5700.2D Preamble, Section 8.d
This section requires that cost estimates be validated with check estimates.

Prompt - To the Project Management Manual (WHC-CM-6-2), within Appendix A, Project Data Sheets (PM-3A) item 10 Details of Cost

Estimates, add notation that cost estimates be validated with check estimates, as required by DOE 5700.2D.

DOE4700.5 Attachment 2, Section 2.a(3)(b)1
This section requires that cost estimates be prepared using appropriate estimating methodologies that are integrated with the WBS, and the DOE cost structure as specified by the DOE for all contract work and ensure that all estimates are consistent wit DOE 5700.2D and in accordance with FAR 15.804, "Cost and Price Data analysis, as applicable."

Prompt - To the Project Management Manual (WHC-CM-6-2), within Appendix A, Project Data Sheets (PM-3A) item 10 Details of Cost Estimates, add reference to the documents cited in this requirement.

2) Sub-element 8.2 - Construction Program Controls

DOE1324.2A Chapter V, Attachment V-14, item 2.d
This item requires that Project Records be selected for architectural, historical, and technological significance and are offered to NARA when the file becomes inactive.

Prompt - To the Project Management Manual (WHC-CM-6-2), within Appendix A, Project Documentation Requirements (PM-12) add to Section 6.3 (Closing Files) an item to review files for information as prescribed by this requirement.

DOE6430.1A Section 0150-5, Sentences 1 thru 4
These sentences require that temporary security fencing be provided prior to construction.

Prompt - Add to Project Management (WHC-CM-6-2), Section 4.5 Construction Control, that temporary security shall be provided consistent with this requirement.

7/28/96

CS
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	All	All	Price	24

Incorporated

8.1.1 Policies and Procedures
DOE4700.1 Attachment III-7.2.a.(1)

8.1.2 Authority and Responsibility
10CFR830 Part 120(c)(2)(i)

8.2 Program Activities
DOE4700.1 Attachment III-7.2.a.(2)
DOE4700.1 Attachment III-7.2.a.(4)
DOE4700.1 Attachment III-7.2.a.(5)

8.2.1 Planning
DOE4700.1 Chapter V.A.2.c.(1) [1]
DOE4700.1 Chapter V.A.2.c.(2)
DOE4700.1 Chapter V.A.2.c.(3) [1]
DOEN4700.5 Attachment 2, Section 2.a.(4)(b)1

8.2.2 Scheduling
DOEN4700.5 Attachment 2, Section 2.a.(4)(b)2
DOEN4700.5 Attachment 2, Section 2.a.(4)(b)3

8.2.3 Cost Estimating
DOE5700.2D Preamble, Section 8.c.

8.2.4 Constructibility/Maintainability/Value Engineering
DOE4700.1 Chapter V.A.2.q.(2)
DOE4700.1 Chapter V.A.2.q.(3)
DOE4700.1 Chapter V.A.2.q.(5)
DOE4700.1 Chapter V.C.2.h.(2)(a) [4]

8.2.7 Construction Program Controls
DOE1324.2A Chapter V, Attachment V-14, Item 2.a
DOE1324.2A Chapter V, Attachment V-14, Item 2.b
DOE1324.2A Chapter V, Attachment V-14, Item 2.c
DOE4700.1 Chapter V.C.2.h.(2)(d)1 [5]
DOE4700.1 Chapter V.C.2.h.(2)(d)1 [6]
DOE6430.1A Section 0150-4.1

8.2.8 Walkthroughs of Construction Sites
DOE4700.1 Chapter III, Section D.2.j
DOE4700.1 Chapter V, Section A.2.l

8/9/96

CS
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	All	All	Not	4

Discrepant

8.2.3 Cost Estimating
DOE5700.2D Preamble, Section 8.d.
DOEN4700.5 Attachment 2, Section 2.a.(3)(b)1

8.2.7 Construction Program Controls
DOE1324.2A Chapter V, Attachment V-14, Item 2.d
DOE6430.1A Section 0150-5, Sentences 1 thru 4

SRID Element	Location	Applicable Incorporated Implementing Manuals		
8.1.1 Policies and Procedures	DOE4700.1 Attachment III-7.2.a.(1)	A Incorp	WHC-CM-2-5	1.1
			WHC-CM-6-2	PM-7
			WHC-EP-0388	Entire Document
8.2 Program Activities	DOE4700.1 Attachment III-7.2.a.(2)	A Incorp	WHC-CM-2-5	1.1
	DOE4700.1 Attachment III-7.2.a.(4)	A Incorp	WHC-CM-2-5	1.5
	DOE4700.1 Attachment III-7.2.a.(5)	A Incorp	WHC-CM-2-5	1.1
			WHC-EP-0388	3.0
8.2.1 Planning	DOE4700.1 Chapter V.A.2.c.(2)	A Incorp	WHC-CM-6-2	PM-7
	DOE4700.1 Chapter V.A.2.c.(3) [1]	A Incorp	WHC-CM-6-2	PM-7
	DOEN4700.5 Attachment 2, Section 2.a.(4)(b)1	A Incorp	WHC-CM-1-8	1.0
8.2.2 Scheduling	DOEN4700.5 Attachment 2, Section 2.a.(4)(b)2	A Incorp	WHC-CM-1-8	1.0
	DOEN4700.5 Attachment 2, Section 2.a.(4)(b)3	A Incorp	WHC-CM-1-8	1.0
8.2.3 Cost Estimating	DOEN4700.5 Attachment 2, Section 2.a.(3)(b)1	A Dis	WHC-CM-1-8	1.0
8.2.4 Constructibility/Maintainability/Value Engineering	DOE4700.1 Chapter V.A.2.q.(2)	A Incorp	WHC-CM-6-2	2.0
	DOE4700.1 Chapter V.A.2.q.(3)	A Incorp	WHC-CM-6-2	2.0
	DOE4700.1 Chapter V.A.2.q.(5)	A Incorp	WHC-CM-6-2	2.0
8.2.7 Construction Program Controls	DOE4700.1 Chapter V.C.2.h.(2)(d)1 [5]	A Incorp	WHC-CM-2-5	4.1
			WHC-CM-6-2	PM-14
	DOE4700.1 Chapter V.C.2.h.(2)(d)1 [6]	A Incorp	WHC-CM-2-5	4.1
			WHC-CM-6-2	PM-14
	DOE6430.1A Section 0150-4.1	A Incorp	WHC-IP-1026	Entire Document
	DOE6430.1A Section 0150-5, Sentences 1 thru 4	A Dis	WHC-IP-1026	Entire Document
8.2.8 Walkthroughs of Construction Sites	DOE4700.1 Chapter III, Section D.2.j	A Incorp	WHC-CM-4-2	QR 10
			WHC-CM-6-2	2.0

Construction

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE4700.1 Chapter V, Section A.2.1	A Incorp	WHC-CM-4-3, Volume 1	CM-7
			WHC-CM-6-1	EP-4.2
				EP-4.2
			WHC-IP-0842, VOL 1	6.1
				9.5

3.9 Operations

Conduct of Operations

1.0 INTRODUCTION -

A baseline phase 1/phase 2 assessment for the TWRS Conduct of Operations functional area was completed in July 1995, by the East Tank Farms/Evaporator chapter champions. These champions were Tim Bohan, Kevin Grady, Jack Blackwell, Phil Treadway, Kelsey Farrell, Pat O'Connor, Cherie Widhalm, Rebecca Raven, Tracy Horner, Brian Biddle, Anne Neuberger, Doug Hastings, Jill Raney, Jim Foster, Royal Shupe, Jeff Andrews, Glenn Hester, and Bill Erbe.

The champions used work sheets containing each requirement's exact wording, any previous assessment finding(s), and previously identified implementing procedures (from the original attempt at completing a SRIDs phase 1 assessment) as a starting point for their evaluations. They reviewed documents thought to implement each requirement and noted on the worksheets which document section(s) incorporated the requirment and which documents were discrepant. From these worksheets the implementing procedures were independently reviewed to ensure validity, prior to the phase 1 (administrative) baseline entry into the TWRS Conduct of Operations Matrix.

This phase 1 assessment baseline was re-validated during February 1996, by Cherie Widhalm and all changes due to revisions/cancellations/etc. to procedures were incorporated into the TWRS Conduct of Operations Matrix. This report provides Phase 1 assessment results. Subsequent FY96 activities include Phase 2 assessment efforts.

2.0 SUMMARY

The July 1995, phase 1 assessment pointed out a number of implementing procedure administrative discrepancies. The procedure modifications to correct these discrepancies have been taking place since that assessment, correcting the discrepancies that didn't have any mitigating actions in place first. The remaining five administrative discrepancies' corrective actions are in various stages of completion. For corrective action status details on these five refer to the Phase 1 Report Summary.

There are 220 requirements that are found to be properly implemented in at least one procedure. The majority of the procedures evaluated were either WHC control manuals or sections out of the WHC-IP-0842 manual. The TWRS Conduct of Operations Matrix lists the documents that were identified as policy documents and/or implementing procedures for each of the requirements.

3.0 DETAILED RESULTS

1) Functional area description.

The Conduct of Operations functional area includes those requirements necessary to ensure: 1) an acceptable safety level is maintained; 2) quality of operations is consistent; 3) operations are uniform; 4) procedures are in place for the control of work; and 5) assessments of the effectiveness of programs, plans, procedures, etc. occur.

2) The Conduct of Operations functional area used the standard format found in DOE5480.19 instead of the ES&H standard format because it covers the requirement topics in an accepted standard that both DOE and Westinghouse are currently using when assessing Conduct of Operations at Hanford. Switching to the ES&H standard format would have caused related topical requirements to separated and placed in different subelements. DOE and Westinghouse would have had to assess the same operational areas multiple times due to this separation among the ES&H subelements.

3) Table 3.1 OP S/RID Element Status contains four columns; the first shows the Functional Area sub-element numerical identifier, the second shows the sub-element description, the third and fourth show the sub-element requirement status as being either "incorporated" (Inc) or "discrepant" (Dis) respectively. Any items marked Dis are discussed in 5) below.

4) Overall compliance status.

There are five elements that each have a requirement that is discrepant. These elements are 9.2 "Shift Routines and Operating Practices", 9.6 "Investigation of Abnormal Events", 9.10 "Independent Verification", 9.11 "Logkeeping", and 9.12 "Operations Turnover".

The remaining 220 requirements are fully implemented in at least one procedure as listed in the TWRS Conduct of Operations Applicability Matrix.

5) Specific compliance status for discrepant sub-elements.

1) Sub-element DOE5480.19, Chapter II, Section C.3, Paragraph 1, Sentence 7-9

The procedure is discrepant because there are two implementing documents (TO-020-755 and WHC-IP-0842, Vol. II, Section 4.2.1) which both give guidance on how to deal with alarm status in slightly

Table 3.1 OP S/RID Element Status

Element Identifier	Element Description	Inc	Dis
9.0	DOE 5480.19 Preamble	3	
9.1	Operations Organization and Administration	10	
9.2	Shift Routines and Operating Practices	24	1
9.3	Control Area Activities	5	
9.4	Communications	8	
9.5	Control of On-Shift Training	17	
9.6	Investigation of Abnormal Events	18	1
9.7	Notifications	5	
9.8	Control of Equipment and System Status	14	
9.9	Lockouts and Tagouts	28	
9.10	Independent Verification	11	1
9.11	Logkeeping	8	1
9.12	Operations Turnover	9	1
9.13	Operations Aspects of Facility Chemistry and Unique Processes	5	
9.14	Required Reading	6	
9.15	Timely Orders to Operators	3	
9.16	Operations Procedures	30	
9.17	Operator Aid Posting	5	
9.18	Equipment and Piping Labeling	11	

different ways. The operating procedures refer workers to the more detailed TO-020-755 procedure, so most employees use just the one procedure.

Prompt

The WHC-IP-0842, Vol. II, Section 4.2.1 procedure is currently being drafted to refer to the more detailed TO-020-755 procedure for alarm status actions.

2) Sub-element DOE5480.19, Chapter VI, Section C.3, Sentence 4 and 5

The procedure is discrepant because minimum investigator qualification's haven't been formally established.

Prompt

The site wide manual WHC-CM-1-5 procedure 7.1 has been drafted and sent out for review to include investigator's qualifications. This revision should be approved sometime during the first half of April 1996.

3) Sub-element DOE5480.19, Chapter X, Section C.3, Sentence 5

The procedure is discrepant because it is missing instructions for verifying solenoid-operated valves, removable links, and availability of control power. These instructions are discussed in the authorized worker training.

Prompt

These items have been added to subsection 5.0 in the new draft of the procedure that will be going out for review by the first part of April 1996.

4) Sub-element DOE5480.19, Chapter XI, Section C.7

The procedure is discrepant because it doesn't identify who/where the logbooks should be turned over to for disposal. Current practices reflect that the logbooks are being turned over to the appropriate individuals.

Prompt

The draft of this procedure that incorporates who/where the logbooks should be turned over to for disposal has been reviewed and is in the comment incorporation cycle currently. The procedure should be approved sometime during the first half of April 1996.

5) Sub-element DOE5480.19, Chapter XII, Section C.1.b, Paragraph 2, Sentence 3

The procedure is discrepant because the turnover sheets attached to the procedure do not provide for documentation of review of the roundsheets during shift turnover. Current practices reflect that roundsheets are generally discussed during turnover.

Prompt

A draft of this procedure is being created currently to incorporate a block for turnover sheet review on the turnover sheets attached to the procedure.

OP
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	220

Incorporated

9.1 Requirements
DOE5480.19(920518) Chapter I, Section C.1
DOE5480.19(920518) Chapter I, Section C.2
DOE5480.19(920518) Chapter I, Section C.3, Paragraph 1 and Paragraph 2
DOE5480.19(920518) Chapter I, Section C.3, Paragraph 3
DOE5480.19(920518) Chapter I, Section C.3, Paragraph 4, Sentence 1 & 3
DOE5480.19(920518) Chapter I, Section C.3, Paragraph 5, Sentence 2-4
DOE5480.19(920518) Chapter I, Section C.4
DOE5480.19(920518) Chapter I, Section C.5, Sentence 1
DOE5480.19(920518) Chapter I, Section C.6

9.1* Operations Organization and Administration
29CFR1910 Part 120(a)(1)(i)
29CFR1910 Part 120(a)(3)(i)
29CFR1910 Part 120(a)(3)(ii)
29CFR1910 Part 120(a)(3)(iii)
29CFR1910 Part 120(a)(3)(iv)
29CFR1910 Part 120(e)(4)
29CFR1910 Part 120(e)(7)
29CFR1910 Part 120(e)(9)
49CFR172 Part 702
ANSI/ANS-8.19-1984, Section 7.8
DOE5480.19(920518) Preamble, Section 5.a
DOE5480.19(920518) Preamble, Section 5.b
DOE5480.19(920518) Preamble, Section 5.c
WAC-173-303 Section 340(2)

9.2 Shift Routines and Operating Practices
DOE5480.19(920518) Chapter II, Section C.1
DOE5480.19(920518) Chapter II, Section C.10, Sentences 2-5
DOE5480.19(920518) Chapter II, Section C.11, Sentence 5
DOE5480.19(920518) Chapter II, Section C.11, Sentences 1-2
DOE5480.19(920518) Chapter II, Section C.2
DOE5480.19(920518) Chapter II, Section C.3, Paragraph 1, Sentence 1-5
DOE5480.19(920518) Chapter II, Section C.4, Para. 2 and Para. 3, Sent 1
DOE5480.19(920518) Chapter II, Section C.4, Paragraph 3, Sentences 3-4
DOE5480.19(920518) Chapter II, Section C.4, Paragraph 4
DOE5480.19(920518) Chapter II, Section C.4, Paragraph 5
DOE5480.19(920518) Chapter II, Section C.5, Paragraph 2
DOE5480.19(920518) Chapter II, Section C.5, Sentence 1
DOE5480.19(920518) Chapter II, Section C.5.a
DOE5480.19(920518) Chapter II, Section C.5.b
DOE5480.19(920518) Chapter II, Section C.5.c
DOE5480.19(920518) Chapter II, Section C.5.d
DOE5480.19(920518) Chapter II, Section C.5.e
DOE5480.19(920518) Chapter II, Section C.5.f
DOE5480.19(920518) Chapter II, Section C.6, Sentence 1
DOE5480.19(920518) Chapter II, Section C.6, Sentences 3-6
DOE5480.19(920518) Chapter II, Section C.7, Sentences 1, 2&4
DOE5480.19(920518) Chapter II, Section C.8
DOE5480.19(920518) Chapter II, Section C.9, Sentences 1-4
DOE5480.19(920518) Chapter II, Section C.9, Sentences 6-8

9.3 Control Area Activities
DOE5480.19(920518) Chapter III, Section C.1
DOE5480.19(920518) Chapter III, Section C.2
DOE5480.19(920518) Chapter III, Section C.3
DOE5480.19(920518) Chapter III, Section C.4, Sentences 1 & 3
DOE5480.19(920518) Chapter III, Section C.5

9.4 Communications
DOE5480.19(920518) Chapter IV, Section C.1, Paragraph 1, Sentences 1-2
DOE5480.19(920518) Chapter IV, Section C.1, Paragraph 2
DOE5480.19(920518) Chapter IV, Section C.2, Sentence 1

OP
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	220

DOE5480.19(920518) Chapter IV, Section C.3, Sentences 1-2
DOE5480.19(920518) Chapter IV, Section C.4, Sentences 2-4
DOE5480.19(920518) Chapter IV, Section C.5, Sentences 1-2
DOE5480.19(920518) Chapter IV, Section C.6

9.5 Control of On-Shift Training
DOE5480.19(920518) Chapter V, Section C.1
DOE5480.19(920518) Chapter V, Section C.2, Sentence 1
DOE5480.19(920518) Chapter V, Section C.2, Sentence 4
DOE5480.19(920518) Chapter V, Section C.3
DOE5480.19(920518) Chapter V, Section C.4
DOE5480.19(920518) Chapter V, Section C.5
DOE5480.19(920518) Chapter V, Section C.6
DOE5480.19(920518) Chapter V, Section C.7, Sentence 4

9.6 Investigation of Abnormal Events
DOE5480.19(920518) Chapter VI, Section C.1, Sentence 1 thru 3
DOE5480.19(920518) Chapter VI, Section C.2, Sentences 1-6
DOE5480.19(920518) Chapter VI, Section C.4, Paragraph 1, Sent 1 thru 3
DOE5480.19(920518) Chapter VI, Section C.4, Paragraph 1, Sentence 5
DOE5480.19(920518) Chapter VI, Section C.4, Paragraph 2, Sentence 3
DOE5480.19(920518) Chapter VI, Section C.4, Paragraph 3
DOE5480.19(920518) Chapter VI, Section C.5, Sentence 1
DOE5480.19(920518) Chapter VI, Section C.5, Sentence 3
DOE5480.19(920518) Chapter VI, Section C.5.a, Sentences 1 & 4
DOE5480.19(920518) Chapter VI, Section C.5.b, Sentence 1 thru 4
DOE5480.19(920518) Chapter VI, Section C.5.c, Sentence 1
DOE5480.19(920518) Chapter VI, Section C.5.d, Sentence 1
DOE5480.19(920518) Chapter VI, Section C.5.d, Sentence 3
DOE5480.19(920518) Chapter VI, Section C.6, Paragraph 1 and Paragraph 2,
DOE5480.19(920518) Chapter VI, Section C.7, Sentence 1
DOE5480.19(920518) Chapter VI, Section C.7, Sentence 3
DOE5480.19(920518) Chapter VI, Section C.8
DOE5480.19(920518) Chapter VI, Section C.9, Sentence 2

9.7 Notifiications
DOE5480.19(920518) Chapter VII, Section C.1
DOE5480.19(920518) Chapter VII, Section C.2, Sentence 1
DOE5480.19(920518) Chapter VII, Section C.3
DOE5480.19(920518) Chapter VII, Section C.4, Sentences 1 & 3
DOE5480.19(920518) Chapter VII, Section C.5

9.8 Control of Equipment and System Status
DOE5480.19(920518) Chapter VIII, Section C.1, Para. 2, Sent 3 and Para 3
DOE5480.19(920518) Chapter VIII, Section C.1, Paragraph 1, Sentence 1
DOE5480.19(920518) Chapter VIII, Section C.1, Paragraph 4
DOE5480.19(920518) Chapter VIII, Section C.10
DOE5480.19(920518) Chapter VIII, Section C.2, Para. 2 Sent 3 and Para 3
DOE5480.19(920518) Chapter VIII, Section C.2, Paragraph 1, Sentence 1
DOE5480.19(920518) Chapter VIII, Section C.2, Paragraph 1, Sentences 4-6
DOE5480.19(920518) Chapter VIII, Section C.3, Sentences 1-4
DOE5480.19(920518) Chapter VIII, Section C.4
DOE5480.19(920518) Chapter VIII, Section C.5, Sentences 1 & 2
DOE5480.19(920518) Chapter VIII, Section C.6, Sentences 1-3
DOE5480.19(920518) Chapter VIII, Section C.7
DOE5480.19(920518) Chapter VIII, Section C.8, Para 1 and Para 2 Sent 1
DOE5480.19(920518) Chapter VIII, Section C.9

9.9 Lockouts and Tag Outs
DOE5480.19(920518) Chapter IX, Section C.1, Sentence 1
DOE5480.19(920518) Chapter IX, Section C.1, Sentence 7
DOE5480.19(920518) Chapter IX, Section C.10.a
DOE5480.19(920518) Chapter IX, Section C.10.b
DOE5480.19(920518) Chapter IX, Section C.10.c
DOE5480.19(920518) Chapter IX, Section C.10.d

OP
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	220

DOE5480.19(920518) Chapter IX, Section C.11
DOE5480.19(920518) Chapter IX, Section C.12
DOE5480.19(920518) Chapter IX, Section C.13
DOE5480.19(920518) Chapter IX, Section C.14
DOE5480.19(920518) Chapter IX, Section C.15
DOE5480.19(920518) Chapter IX, Section C.2.a thru d
DOE5480.19(920518) Chapter IX, Section C.3.a
DOE5480.19(920518) Chapter IX, Section C.3.b
DOE5480.19(920518) Chapter IX, Section C.4
DOE5480.19(920518) Chapter IX, Section C.5
DOE5480.19(920518) Chapter IX, Section C.5.a
DOE5480.19(920518) Chapter IX, Section C.5.c
DOE5480.19(920518) Chapter IX, Section C.6
DOE5480.19(920518) Chapter IX, Section C.7
DOE5480.19(920518) Chapter IX, Section C.8
DOE5480.19(920518) Chapter IX, Section C.9, Sentence 1
DOE5480.19(920518) Chapter IX, Section C.9, Sentence 3
DOE5480.19(920518) Chapter IX, Section C.9.a
DOE5480.19(920518) Chapter IX, Section C.9.b, Sentence 4
DOE5480.19(920518) Chapter IX, Section C.9.b, Sentences 1-2
DOE5480.19(920518) Chapter IX, Section C.9.c
DOE5480.19(920518) Chapter IX, Section C.9.d

9.10 Independent Verification
DOE5480.19(920518) Chapter X, Section C.1, Sentence 5
DOE5480.19(920518) Chapter X, Section C.1, Sentences 1-2 & 4
DOE5480.19(920518) Chapter X, Section C.1.a, Sentence 1
DOE5480.19(920518) Chapter X, Section C.1.b, Sentence 1
DOE5480.19(920518) Chapter X, Section C.2
DOE5480.19(920518) Chapter X, Section C.3, Sentence 1 and 2
DOE5480.19(920518) Chapter X, Section C.3.a, Sentences 1-2
DOE5480.19(920518) Chapter X, Section C.3.b, Sentences 2 & 3
DOE5480.19(920518) Chapter X, Section C.3.c, Sentence 7
DOE5480.19(920518) Chapter X, Section C.3.d, Sentences 1-3
DOE5480.19(920518) Chapter X, Section C.3.e, Paragraph 2

9.11 Log Keeping
DOE5480.19(920518) Chapter XI, Section C.1, Sentences 1-2
DOE5480.19(920518) Chapter XI, Section C.1, Sentences 3-4
DOE5480.19(920518) Chapter XI, Section C.2, Sentence 1
DOE5480.19(920518) Chapter XI, Section C.3, Paragraph 1
DOE5480.19(920518) Chapter XI, Section C.4, Sentences 1-2
DOE5480.19(920518) Chapter XI, Section C.5, Sentence 5
DOE5480.19(920518) Chapter XI, Section C.5, Sentences 1-2
DOE5480.19(920518) Chapter XI, Section C.6

9.12 Operations Turnover
DOE5480.19(920518) Chapter XII, Section C.1.a and C.1.b Para 1, Sent 1
DOE5480.19(920518) Chapter XII, Section C.1.c, Paragraph 1, Sentence 1
DOE5480.19(920518) Chapter XII, Section C.1.c, Paragraph 2, Sentence 1
DOE5480.19(920518) Chapter XII, Section C.2, Sentences 1 & 3
DOE5480.19(920518) Chapter XII, Section C.3, Paragraph 1, Sentence 1
DOE5480.19(920518) Chapter XII, Section C.3, Paragraph 2
DOE5480.19(920518) Chapter XII, Section C.4
DOE5480.19(920518) Chapter XII, Section C.5, Sentence 1-4
DOE5480.19(920518) Chapter XII, Section C.6, Sentence 1

9.13 Operations Aspects of Facility Chemistry and Unique Processes
DOE5480.19(920518) Chapter XIII, Section C.1, Sentence 1
DOE5480.19(920518) Chapter XIII, Section C.1, Sentences 3-4
DOE5480.19(920518) Chapter XIII, Section C.2, Paragraph 1, Sentence 1
DOE5480.19(920518) Chapter XIII, Section C.3, Sentence 1
DOE5480.19(920518) Chapter XIII, Section C.4

9.14 Required Reading
DOE5480.19(920518) Chapter XIV, Section C.1

OP
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	220

DOE5480.19(920518) Chapter XIV, Section C.2
DOE5480.19(920518) Chapter XIV, Section C.3, Sentence 1
DOE5480.19(920518) Chapter XIV, Section C.3, Sentences 3-5
DOE5480.19(920518) Chapter XIV, Section C.4
DOE5480.19(920518) Chapter XIV, Section C.5, Sentences 1-2

9.15 Timely Orders to Operators
DOE5480.19(920518) Chapter XV, Section C.1, Sentences 3-5
DOE5480.19(920518) Chapter XV, Section C.2
DOE5480.19(920518) Chapter XV, Section C.3

9.16 Operations Procedures
DOE5480.19(920518) Chapter XVI, Section C.1, Paragraph 1 and Paragraph 2
DOE5480.19(920518) Chapter XVI, Section C.1, Paragraph 3, Sentence 3
DOE5480.19(920518) Chapter XVI, Section C.2.a, Sentence 1
DOE5480.19(920518) Chapter XVI, Section C.2.a, Sentence 3
DOE5480.19(920518) Chapter XVI, Section C.2.b
DOE5480.19(920518) Chapter XVI, Section C.2.c, Sentence 1
DOE5480.19(920518) Chapter XVI, Section C.2.c, Sentence 3 thru 5
DOE5480.19(920518) Chapter XVI, Section C.2.d
DOE5480.19(920518) Chapter XVI, Section C.2.e
DOE5480.19(920518) Chapter XVI, Section C.2.f
DOE5480.19(920518) Chapter XVI, Section C.2.g
DOE5480.19(920518) Chapter XVI, Section C.2.h
DOE5480.19(920518) Chapter XVI, Section C.2.i
DOE5480.19(920518) Chapter XVI, Section C.2.j
DOE5480.19(920518) Chapter XVI, Section C.2.k
DOE5480.19(920518) Chapter XVI, Section C.2.l
DOE5480.19(920518) Chapter XVI, Section C.2.m
DOE5480.19(920518) Chapter XVI, Section C.2.n
DOE5480.19(920518) Chapter XVI, Section C.2.o, Sentence 1
DOE5480.19(920518) Chapter XVI, Section C.2.p
DOE5480.19(920518) Chapter XVI, Section C.2.q
DOE5480.19(920518) Chapter XVI, Section C.2.r
DOE5480.19(920518) Chapter XVI, Section C.3, Sentence 2
DOE5480.19(920518) Chapter XVI, Section C.3, Sentence 6
DOE5480.19(920518) Chapter XVI, Section C.4, Paragraph 1 and Paragraph 2
DOE5480.19(920518) Chapter XVI, Section C.5
DOE5480.19(920518) Chapter XVI, Section C.6, Paragraph 1, Sentence 1
DOE5480.19(920518) Chapter XVI, Section C.6, Paragraph 2, Sentance 2
DOE5480.19(920518) Chapter XVI, Section C.6, Paragraph 3, Sentence 1
DOE5480.19(920518) Chapter XVI, Section C.7

9.17 Operator Aid Posting
DOE5480.19(920518) Chapter XVII, Section C.2, Sentence 1 & 3
DOE5480.19(920518) Chapter XVII, Section C.3
DOE5480.19(920518) Chapter XVII, Section C.4, Sentence 3
DOE5480.19(920518) Chapter XVII, Section C.5
DOE5480.19(920518) Chapter XVII, Section C.6, Para. 1, Para. 2 Sent. 1-2

9.18 Equipment and Piping Labeling
DOE5480.19(920518) Chapter XVIII Section C.1
DOE5480.19(920518) Chapter XVIII, Section C.2, Para 1, Sentences 1-5
DOE5480.19(920518) Chapter XVIII, Section C.2, Paragraph 1, Sentence 7
DOE5480.19(920518) Chapter XVIII, Section C.2, Paragraph 2
DOE5480.19(920518) Chapter XVIII, Section C.2, Paragraph 3, Sentence 1
DOE5480.19(920518) Chapter XVIII, Section C.2, Paragraph 3, Sentence 3
DOE5480.19(920518) Chapter XVIII, Section C.3, Para 1 and Para 2 Sent 2
DOE5480.19(920518) Chapter XVIII, Section C.4.a
DOE5480.19(920518) Chapter XVIII, Section C.4.b, Paragraph 1, Sent 3 & 4
DOE5480.19(920518) Chapter XVIII, Section C.4.b, Paragraph 1, Sentence 1
DOE5480.19(920518) Chapter XVIII, Section C.4.b, Paragraph 2, Sentence 1

9/25/96

OP
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Not Discrepant	5

9.2 Shift Routines and Operating Practices
DOE5480.19(920518) Chapter II, Section C.3, Paragraph 1, Sentence 7-9

9.6 Investigation of Abnormal Events
DOE5480.19(920518) Chapter VI, Section C.3, Sentence 4 and 5

9.10 Independent Verification
DOE5480.19(920518) Chapter X, Section C.3, Sentence 5

9.11 Log Keeping
DOE5480.19(920518) Chapter XI, Section C.7

9.12 Operations Turnover
DOE5480.19(920518) Chapter XII, Section C.1.b, Paragraph 2, Sentence 3

SRID Element	Location	Applicable Incorporated Implementing Manuals		
9.1 Requirements	DOE5480.19(920518) Chapter I, Section C.1	A Incorp	WHC-CM-1-3	MRP 1.1
			WHC-CM-4-33	2.10
			WHC-IP-0842, VOL 2	4.1.1 Sub. Sec. 1.0, 4.0, & 5.1
			WHC-SP-0708	1
	DOE5480.19(920518) Chapter I, Section C.2	A Incorp	WHC-IP-0842, VOL 2	4.1.1 Sub. Sec. 5.2
			WHC-SP-0708	1
	DOE5480.19(920518) Chapter I, Section C.3, Paragraph 1 and Paragraph 2	A Incorp	WHC-CM-1-5	7.1
			WHC-IP-0842, VOL 1	2.4
				2.5
			WHC-IP-0842, VOL 2	4.1.1 Sub. Sec. 5.4
				4.1.2
			WHC-IP-0842, VOL 7	1.1
			WHC-SP-0708	1
	DOE5480.19(920518) Chapter I, Section C.3, Paragraph 3	A Incorp	WHC-IP-0842, VOL 1	2.5
			WHC-IP-0842, VOL 2	4.1.1 Sub. Sec. 5.4.5 & 5.4.6
			WHC-SP-0708	1
	DOE5480.19(920518) Chapter I, Section C.3, Paragraph 4, Sentence 1 & 3	A Incorp	WHC-IP-0842, VOL 2	4.1.1 Sub. Sec. 5.4.5
			WHC-IP-0842, VOL 7	1.1
			WHC-SP-0708	1
	DOE5480.19(920518) Chapter I, Section C.3, Paragraph 5, Sentence 2-4	A Incorp	WHC-IP-0842, VOL 1	2.4
			WHC-IP-0842, VOL 2	4.1.1 Sub. Sec. 5.4
				4.1.2

SRID Element	Location	[illegible]plicable Incorporated	Implementing Manuals	
			WHC-SP-0708	1
	DOE5480.19(920518) Chapter I, Section C.4	A Incorp	WHC-CM-1-3	MRP 4.16
			WHC-IP-0842, VOL 2	4.1.1 Sub. Sec. 5.1
			WHC-SP-0708	1
	DOE5480.19(920518) Chapter I, Section C.5, Sentence 1	A Incorp	5480.20 TRAINING MATRIX	All
			WHC-CM-2-15	TFTP 5480.20a
			WHC-IP-0842, VOL 2	4.1.1 Sub. Sec. 5.6
			WHC-IP-0842, VOL 3	10.2
			WHC-SP-0708	1
	DOE5480.19(920518) Chapter I, Section C.6	A Incorp	WHC-CM-1-10	All
			WHC-CM-1-5	15.1
			WHC-CM-1-8	1.0 sub. sec. 5.1
			WHC-IP-0842, VOL 1	4.1
			WHC-IP-0842, VOL 5	4.1
			WHC-IP-0842, VOL 7	1.1
			WHC-SD-WM-HSP-002	Entire Document 002
			WHC-SP-0708	1
9.1* Operations Organization and Administration	29CFR1910 Part 120(a)(1)(i)	A Incorp	WHC-SD-WM-HSP-002	3.0
	29CFR1910 Part 120(a)(3)(i)	A Incorp	WHC-SD-WM-HSP-002	3.0
	29CFR1910 Part 120(a)(3)(ii)	A Incorp	WHC-SD-WM-HSP-002	3.0
	29CFR1910 Part 120(a)(3)(iii)	A Incorp	WHC-SD-WM-HSP-002	3.0
	29CFR1910 Part 120(a)(3)(iv)	A Incorp	WHC-SD-WM-HSP-002	3.0
	29CFR1910 Part 120(e)(4)	A Incorp	WHC-SD-WM-HSP-002	3.0

SRID Element	Location	[illegible]plicable Incorporated Implementing Manuals		
	29CFR1910 Part 120(e)(7)	A Incorp	WHC-IP-0971	6.0 Sub. 7.0
	29CFR1910 Part 120(e)(9)	A Incorp	WHC-SD-WM-HSP-002	3.0
	49CFR172 Part 702	A Incorp	WHC-CM-2-14	Part II Sub. 1.2
	ANSI/ANS-8.19-1984, Section 7.8	A Incorp	WHC-CM-1-5	7.1
			WHC-IP-0842, VOL 2	4.1.1 Sub. 5.4
				4.1.2
	DOE5480.19(920518) Preamble, Section 5.a	A Incorp	WHC-CM-1-3	MRP 1.1
			WHC-IP-0842, VOL 2	4.0
	DOE5480.19(920518) Preamble, Section 5.b	A Incorp	WHC-CM-1-3	MRP 1.1
			WHC-IP-0842, VOL 2	4.0
	DOE5480.19(920518) Preamble, Section 5.c	A Incorp	WHC-CM-1-3	MRP 1.1
			WHC-IP-0842, VOL 2	4.0
	WAC-173-303 Section 340(2)	A Incorp	WHC-IP-0842, VOL 2	4.4.1 Sub. 5.2
			WHC-IP-0971	7.0 Sub. 3.5
			WHC-SD-WM-PLN-072	Entire Document
2 Shift Routines and Operating Practices	DOE5480.19(920518) Chapter II, Section C.1	A Incorp	WHC-IP-0842, VOL 2	4.2.2 Sub. Sec. 4.2 & 4.6
				4.8.2
				4.8.3 Sub. Sec. 4.0

SRID Element	Location		Applicable Incorporated Implementing Manuals	
			WHC-SP-0708	2
	DOE5480.19(920518) Chapter II, Section C.10, Sentences 2-5	A Incorp	WHC-IP-0842, VOL 2	4.12.1 Sub. 3.0 & 5.2
				4.2.1 Sub. Sec. 5.11
			WHC-SP-0708	2
	DOE5480.19(920518) Chapter II, Section C.11, Sentence 5	A Incorp	WHC-IP-0842, VOL 2	4.1.1 Sub. 5.1.3
				4.2.1 Sub. 5.12
				4.3.1 Sub. 4.1, 4.4, & 5.1
			WHC-SP-0708	2
	DOE5480.19(920518) Chapter II, Section C.11, Sentences 1-2	A Incorp	WHC-IP-0842, VOL 2	4.1.1 Sub. 5.1.3
				4.2.1 Sub. 5.12
				4.3.1 Sub. 5.1
			WHC-SP-0708	2
	DOE5480.19(920518) Chapter II, Section C.2	A Incorp	WHC-CM-1-10	WKS-10
				WKS-15
				WKS-19
				WKS-20
				WKS-21
			WHC-CM-4-40	3.5

SRID Element	Location		Applicable Incorporated Implementing Manuals		
			WHC-IP-0842, VOL 1	4.1 Sub. Sec. 1.0	
			WHC-IP-0842, VOL 5	4.1	
			WHC-SD-WM-HSP-002	Entire Document 2.8, Sub. Sec. 2.8.6	
				Entire Document 4.0, Sub. Sec. 4.3, 4.4, & 4.5	
			WHC-SP-0708	2	
	DOE5480.19(920518) Chapter II, Section C.3, Paragraph 1, Sentence 1-5	A Incorp	TO-020-755	TO-020-755 755	
			WHC-IP-0842, VOL 2	4.2.2 1.0, 4.3, 5.2, 5.4, 5.5	
			WHC-SP-0708	2	
	DOE5480.19(920518) Chapter II, Section C.3, Paragraph 1, Sentence 7-9	A Dis	TO-020-755	TO-020-755 All	
			WHC-IP-0842, VOL 2	4.2.1	Revit
				4.2.1 Sub. Sec. 4.3 & 5.17	
				4.2.2 Sub. 1.0, 4.6, 5.5, & 5.9	
			WHC-SP-0708	2	
	DOE5480.19(920518) Chapter II, Section C.4, Para. 2 and Para. 3, Sent 1	A Incorp	TO-020-755	TO-020-755 All	
			WHC-IP-0842, VOL 2	4.2.2 Sub. Sec. 4.2, 4.3, 4.4	
				4.2.2 Sub. Sec. 5.2, 5.3 & 5.4	
			WHC-SP-0708	2	

SRID Element	Location		Applicable Incorporated Implementing Manuals	
	DOE5480.19(920518) Chapter II, Section C.4, Paragraph 3, Sentences 3-4	A Incorp	TO-020-755	TO-020-755 All
			WHC-IP-0842, VOL 2	4.2.2 Sub. Sec. 5.5
			WHC-SP-0708	2
	DOE5480.19(920518) Chapter II, Section C.4, Paragraph 4	A Incorp	TO-020-755	TO-020-755 All
			WHC-IP-0842, VOL 2	4.2.2 Sub. 4.2, 4.3, 4.6, & 5.6
			WHC-SP-0708	2
	DOE5480.19(920518) Chapter II, Section C.4, Paragraph 5	A Incorp	TO-020-755	TO-020-755 All
			WHC-IP-0842, VOL 2	4.1.1 Attachment D
				4.2.2 Sub. Sec. 5.5 & 5.8
			WHC-SP-0708	2
	DOE5480.19(920518) Chapter II, Section C.5, Paragraph 2	A Incorp	HSRCM-1	All
			WHC-IP-0842, VOL 2	4.2.1 Sub. Sec 5.5
			WHC-IP-0842, VOL 7	1.1
			WHC-SD-WM-HSP-002	Entire Document
			WHC-SP-0708	2
	DOE5480.19(920518) Chapter II, Section C.5, Sentence 1	A Incorp	HSRCM-1	Entire Document
			WHC-IP-0842, VOL 1	4.1
			WHC-IP-0842, VOL 2	4.2.1 Sub. Sec. 5.5

SRID Element	Location		Applicable Incorporated Implementing Manuals	
			WHC-IP-0842, VOL 7	1.1
			WHC-SD-WM-HSP-002	Entire Document
			WHC-SP-0708	2
	DOE5480.19(920518) Chapter II, Section C.5.a	A Incorp	WHC-IP-0842, VOL 2	4.2.1 Sub. Sec. 5.5
				4.2.2 Sub. Sec. 5.5
			WHC-SP-0708	2
	DOE5480.19(920518) Chapter II, Section C.5.b	A Incorp	WHC-IP-0842, VOL 2	4.1.1 Attachment D
				4.2.1 Sub. Sec. 5.5
			WHC-SP-0708	2
	DOE5480.19(920518) Chapter II, Section C.5.c	A Incorp	WHC-IP-0842, VOL 2	4.2.1 Sub. Sec. 5.5
			WHC-SP-0708	2
	DOE5480.19(920518) Chapter II, Section C.5.d	A Incorp	WHC-IP-0842, VOL 2	4.2.1 Sub. Sec. 5.5
			WHC-SP-0708	2
	DOE5480.19(920518) Chapter II, Section C.5.e	A Incorp	WHC-IP-0842, VOL 2	4.2.1 Sub. Sec. 5.5
			WHC-SP-0708	2
	DOE5480.19(920518) Chapter II, Section C.5.f	A Incorp	WHC-IP-0842, VOL 2	4.2.1 Sub. Sec. 5.5
			WHC-SP-0708	2

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE5480.19(920518) Chapter II, Section C.6, Sentence 1	A Incorp	WHC-CM-1-5	8.1
			WHC-IP-0842, VOL 2	4.2.2 Sub. Sec. 5.5
				4.3.1 Sub. Sec. 5.3
			WHC-SP-0708	2
	DOE5480.19(920518) Chapter II, Section C.6, Sentences 3-6	A Incorp	WHC-CM-1-5	8.1
			WHC-IP-0842, VOL 2	4.2.1 Sub. Sec. 4.3
				4.2.2 Sub 4.6
				4.2.2 Sub. 5.5 & 5.7.3
				4.3.1 Sub. Sec. 5.3
			WHC-SP-0708	2
	DOE5480.19(920518) Chapter II, Section C.7, Sentences 1, 2&4	A Incorp	WHC-IP-0842, VOL 2	4.2.1 Sub. Sec. 5.7
			WHC-SP-0708	2
	DOE5480.19(920518) Chapter II, Section C.8	A Incorp	WHC-IP-0842, VOL 2	4.2.1 Sub. Sec. 5.9
			WHC-IP-0842, VOL 4	4.4
			WHC-SP-0708	2
	DOE5480.19(920518) Chapter II, Section C.9, Sentences 1-4	A Incorp	WHC-IP-0842, VOL 2	4.2.1 Sub. 1.0, 4.2, & 4.3
				4.2.1 Sub. 5.1 & 5.10
				4.2.2 Sub. Sec. 4.2 & 4.6

SRID Element	Location	Applicable	Incorporated Implementing Manuals	
			WHC-SP-0708	2
	DOE5480.19(920518) Chapter II, Section C.9, Sentences 6-8	A Incorp	WHC-IP-0842, VOL 2	4.2.1 Sub. 4.2, 4.3, 5.1, & 5.6
				4.2.1 Sub. 5.10 & 5.13
			WHC-SP-0708	2
9.3 Control Area Activities	DOE5480.19(920518) Chapter III, Section C.1	A Incorp	WHC-IP-0842, VOL 2	4.3.1 Sub. 5.1
			WHC-SP-0708	3
	DOE5480.19(920518) Chapter III, Section C.2	A Incorp	WHC-IP-0842, VOL 2	4.3.1 Sub. 5.1
			WHC-SP-0708	3
	DOE5480.19(920518) Chapter III, Section C.3	A Incorp	WHC-IP-0842, VOL 2	4.2.1 Sub. 5.6 & 5.7
				4.3.1 Sub. 4.3 & 5.3
			WHC-SP-0708	3
	DOE5480.19(920518) Chapter III, Section C.4, Sentences 1 & 3	A Incorp	WHC-IP-0842, VOL 2	4.3.1 Sub. 5.4
			WHC-SP-0708	3
	DOE5480.19(920518) Chapter III, Section C.5	A Incorp	WHC-IP-0842, VOL 2	4.3.1 Sub. 5.5
			WHC-SP-0708	3
9.4 Communications	DOE5480.19(920518) Chapter IV, Section C.1, Paragraph 1, Sentences 1-2	A Incorp	WHC-CM-4-43	2.4
			WHC-IP-0263-209E	Entire Document
			WHC-IP-0263-242A	Entire Document
			WHC-IP-0263-LERF	Entire Document
			WHC-IP-0263-TF	Entire Document
			WHC-IP-0842, VOL 2	4.4.1 Sec 3.0.3, 3.0.4, 4.2.1
				4.4.1 Sec 4.3.1, 5.1.1, & 5.2

SRID Element	Location	[illegible]plicable	Incorporated Implementing Manuals	
			WHC-IP-0971	6.0
			WHC-SP-0708	4
	DOE5480.19(920518) Chapter IV, Section C.1, Paragraph 2	A Incorp	WHC-CM-4-43	2.4
			WHC-IP-0263-209E	Entire Document
			WHC-IP-0263-242A	Entire Document
			WHC-IP-0263-LERF	Entire Document
			WHC-IP-0263-TF	Entire Document
			WHC-IP-0842, VOL 2	4.4.1 Sec 4.2.1, 4.2.6, 5.1.1.c
				4.4.1 Sec 5.2.1.b, 5.2.3.e
				4.4.1 Sec 5.2.5.f
			WHC-IP-0971	8.0
			WHC-SP-0708	4
	DOE5480.19(920518) Chapter IV, Section C.2, Sentence 1	A Incorp	WHC-IP-0842, VOL 2	4.4.1 Sec 4.2.2, 5.1.2.a, 5.1.3 4.4.1 Sec 5.1.4, 5.2.3.b 4.4.1 Sec 5.2.4.c
			WHC-SP-0708	4
	DOE5480.19(920518) Chapter IV, Section C.3, Sentences 1-2	A Incorp	WHC-IP-0263-209E	Entire Document
			WHC-IP-0263-242A	Entire Document
			WHC-IP-0263-LERF	Entire Document
			WHC-IP-0263-TF	Entire Document

SRID Element	Location	Applicable Incorporated Implementing Manuals		
			WHC-IP-0842, VOL 2	4.4.1 Sec 4.2.1, 4.2.2, 4.3.1
				4.4.1 Sec 5.1.3, 5.1.4, 5.2
			WHC-SP-0708	4
	DOE5480.19(920518) Chapter IV, Section C.4, Sentences 2-4	A Incorp	WHC-IP-0842, VOL 2	4.4.1 Sec 4.4.3 & 5.2.5.c
			WHC-IP-0971	Entire Document 7.0, Sub. 3.5
			WHC-SD-WM-PLN-072	Entire Document
			WHC-SP-0708	4
	DOE5480.19(920518) Chapter IV, Section C.5, Sentences 1-2	A Incorp	WHC-EP-0009	Entire Document
			WHC-IP-0842, VOL 2	4.4.1 Sub Sec 5.4.1 & attach A
			WHC-SP-0708	4
	DOE5480.19(920518) Chapter IV, Section C.6	A Incorp	WHC-IP-0842, VOL 2	4.4.1 Sec 4.2.4, 4.3.3, 4.4.1
				4.4.1 Sec 5.3
			WHC-SD-WM-PLN-072	Entire Document
			WHC-SP-0708	4
9.5 Control of On-Shift Training	DOE5480.19(920518) Chapter V, Section C.1	A Incorp	WHC-IP-0842, VOL 2	4.5.1 Sub. 5.3
			WHC-IP-0842, VOL 3	7.2
			WHC-SP-0708	Entire Document Chapter 5, 5.1
	DOE5480.19(920518) Chapter V, Section C.2, Sentence 1	A Incorp	WHC-CM-2-15	8.4
			WHC-IP-0842, VOL 2	4.5.1 Sub. 5.4
			WHC-IP-0842, VOL 3	7.2
			WHC-SP-0708	5

SRID Element	Location	[illegible]plicable	Incorporated Implementing Manuals	
	DOE5480.19(920518) Chapter V, Section C.2, Sentence 4	A Incorp	WHC-IP-0842, VOL 2	4.5.1 Sub. 5.4
			WHC-IP-0842, VOL 3	7.2
			WHC-SP-0708	5
	DOE5480.19(920518) Chapter V, Section C.3	A Incorp	WHC-IP-0842, VOL 2	4.5.1 Sub 5.5.1, 5.5.2, & 5.5.3
			WHC-IP-0842, VOL 3	7.2
			WHC-SP-0708	5
	DOE5480.19(920518) Chapter V, Section C.4	A Incorp	WHC-IP-0842, VOL 2	4.5.1 Sub. 5.6 & 5.9.1
			WHC-IP-0842, VOL 3	3.5
			WHC-SP-0708	Entire Document Chapter 5, 5.4
	DOE5480.19(920518) Chapter V, Section C.5	A Incorp	WHC-CM-2-15	9.2
			WHC-IP-0842, VOL 2	4.5.1 Sub. 4.4 & 5.7.1
			WHC-IP-0842, VOL 3	3.1
			WHC-SP-0708	Entire Document Chapter 5, 5.5
	DOE5480.19(920518) Chapter V, Section C.6	A Incorp	WHC-IP-0842, VOL 2	4.5.1 Sub. 5.1.5 & 5.8.1
			WHC-IP-0842, VOL 3	7.2
			WHC-SP-0708	5
	DOE5480.19(920518) Chapter V, Section C.7, Sentence 4	A Incorp	WHC-IP-0842, VOL 2	4.5.1 Sub. 5.1.6 & 5.9
			WHC-IP-0842, VOL 3	7.2
			WHC-SP-0708	5
9.6 Investigation of Abnormal Events	DOE5480.19(920518) Chapter VI, Section C.1, Sentence 1 thru 3	A Incorp	WHC-CM-1-10	WKS-4
			WHC-SP-0708	6
	DOE5480.19(920518) Chapter VI, Section C.2, Sentences 1-6	A Incorp	WHC-CM-1-5	6.1
			WHC-SP-0708	6
	DOE5480.19(920518) Chapter VI, Section C.3, Sentence 4 and 5	A Dis	WHC-CM-1-5	7.1
			WHC-SP-0708	6

SRID Element	Location	[illegible]plicable	Incorporated	Implementing Manuals	
	DOE5480.19(920518) Chapter VI, Section C.4, Paragraph 1, Sent 1 thru 3	A	Incorp	WHC-CM-1-5	6.2
				WHC-SP-0708	6
	DOE5480.19(920518) Chapter VI, Section C.4, Paragraph 1, Sentence 5	A	Incorp	WHC-CM-1-10	WKS-4
				WHC-CM-1-5	6.2
				WHC-SP-0708	6
	DOE5480.19(920518) Chapter VI, Section C.4, Paragraph 2, Sentence 3	A	Incorp	WHC-CM-1-10	WKS-4
				WHC-CM-1-5	6.1
				WHC-SP-0708	6
	DOE5480.19(920518) Chapter VI, Section C.4, Paragraph 3	A	Incorp	WHC-CM-1-5	6.2
				WHC-SP-0708	6
	DOE5480.19(920518) Chapter VI, Section C.5, Sentence 1	A	Incorp	WHC-CM-1-5	6.1
				WHC-SP-0708	6
	DOE5480.19(920518) Chapter VI, Section C.5, Sentence 3	A	Incorp	WHC-CM-1-5	6.2
				WHC-SP-0708	6
	DOE5480.19(920518) Chapter VI, Section C.5.a, Sentences 1 & 4	A	Incorp	WHC-CM-1-5	6.2
				WHC-SP-0708	6
	DOE5480.19(920518) Chapter VI, Section C.5.b, Sentence 1 thru 4	A	Incorp	WHC-CM-1-5	6.2
				WHC-SP-0708	6

SRID Element	Location	Applicable	Incorporated Implementing Manuals	
	DOE5480.19(920518) Chapter VI, Section C.5.c, Sentence 1	A Incorp	WHC-IP-0842, VOL 1	2.4
			WHC-SP-0708	6
	DOE5480.19(920518) Chapter VI, Section C.5.d, Sentence 1	A Incorp	WHC-IP-0842, VOL 1	2.4
			WHC-SP-0708	6
	DOE5480.19(920518) Chapter VI, Section C.5.d, Sentence 3	A Incorp	WHC-IP-0842, VOL 1	2.4
			WHC-SP-0708	6
	DOE5480.19(920518) Chapter VI, Section C.6, Paragraph 1 and Paragraph 2,	A Incorp	WHC-CM-1-5	6.2
			WHC-SP-0708	6
	DOE5480.19(920518) Chapter VI, Section C.7, Sentence 1	A Incorp	WHC-CM-1-5	6.2
			WHC-IP-0842, VOL 2	4.6.2 Sub. Sec. 4.1
			WHC-IP-0842, VOL 3	3.6
			WHC-SP-0708	6
	DOE5480.19(920518) Chapter VI, Section C.7, Sentence 3	A Incorp	WHC-IP-0842, VOL 2	4.12.1 Sub. 3.0.5 & 4.2.4
			WHC-SP-0708	6
	DOE5480.19(920518) Chapter VI, Section C.8	A Incorp	WHC-CM-1-5	6.2
			WHC-IP-0842, VOL 1	2.5
			WHC-IP-0842, VOL 2	4.6.2
			WHC-SP-0708	6
	DOE5480.19(920518) Chapter VI, Section C.9, Sentence 2	A Incorp	WHC-CM-1-5	6.2
			WHC-IP-0842, VOL 2	4.6.2
			WHC-SP-0708	6
7 Notifications	DOE5480.19(920518) Chapter VII, Section C.1	A Incorp	WHC-CM-1-5	7.1
			WHC-IP-0263-209E	Entire Document
			WHC-IP-0263-242A	Entire Document
			WHC-IP-0263-LERF	Entire Document
			WHC-IP-0263-TF	Entire Document

SRID Element	Location		Applicable Incorporated Implementing Manuals	
			WHC-IP-0541	Entire Document
			WHC-IP-0732-TF	Entire Document
			WHC-IP-0842, VOL 2	4.6.2
			WHC-IP-1178	ERG A
			WHC-SP-0708	7
	DOE5480.19(920518) Chapter VII, Section C.2, Sentence 1	A Incorp	WHC-CM-1-5	7.1
			WHC-IP-0842, VOL 2	4.6.2 Sub. Sec. 4.1 & 4.2
			WHC-SP-0708	7
	DOE5480.19(920518) Chapter VII, Section C.3	A Incorp	WHC-CM-1-5	7.1
			WHC-IP-0541	Entire Document
			WHC-SP-0708	7
	DOE5480.19(920518) Chapter VII, Section C.4, Sentences 1 & 3	A Incorp	WHC-CM-1-5	7.1
			WHC-IP-0842, VOL 2	4.6.2
			WHC-SP-0708	7
	DOE5480.19(920518) Chapter VII, Section C.5	A Incorp	WHC-CM-1-5	7.1
			WHC-IP-0263-209E	Entire Document
			WHC-IP-0263-242A	Entire Document
			WHC-IP-0263-LERF	Entire Document
			WHC-IP-0263-TF	Entire Document
			WHC-IP-0842, VOL 2	4.4.1 Sub. Sec. 5.4.1
			WHC-SP-0708	7
4.8 Control of Equipment and System Status	DOE5480.19(920518) Chapter VIII, Section C.1, Para. 2, Sent 3 and Para 3	A Incorp	WHC-CM-1-8	Entire Document
			WHC-CM-6-1	2
			WHC-IP-0842, VOL 2	4.8.1 Sub. 5.3
				4.8.3 Sub. 4.0

SRID Element	Location		Applicable Incorporated Implementing Manuals	
			WHC-IP-0842, VOL 4	5.5 Sub. 4.4
			WHC-SP-0708	8
	DOE5480.19(920518) Chapter VIII, Section C.1, Paragraph 1, Sentence 1	A Incorp	WHC-CM-1-8	Entire Document
			WHC-CM-6-1	2
			WHC-IP-0842, VOL 2	4.8.1 Sub. Sec. 5.3
				4.8.3 Sub. Sec. 4.0
			WHC-SP-0708	8
	DOE5480.19(920518) Chapter VIII, Section C.1, Paragraph 4	A Incorp	WHC-CM-1-8	Entire Document
			WHC-CM-6-1	2
			WHC-IP-0842, VOL 2	4.8.1 Sub. 5.3
			WHC-IP-0842, VOL 4	5.5 Sub. 5.7
			WHC-SP-0708	8
	DOE5480.19(920518) Chapter VIII, Section C.10	A Incorp	WHC-CM-1-8	Entire Document
			WHC-CM-6-1	EP-2.2
			WHC-IP-0687	17.3
				17.5
			WHC-IP-0842, VOL 2	4.16.1
				4.16.2

SRID Element	Location	Applicable Incorporated Implementing Manuals		
				4.16.3
				4.8.1 Sub. 5.12.2 & 5.12.3
			WHC-SP-0708	8
DOE5480.19(920518) Chapter VIII, Section C.2, Para. 2 Sent 3 and Para 3		A Incorp	WHC-CM-1-8	Entire Document
			WHC-IP-0731	3.5 Sub. Sec. 3.5.4.2
			WHC-IP-0842, VOL 2	4.8.1 Sub. 5.4.2, 5.4.9, & 5.9
			WHC-SP-0708	8
DOE5480.19(920518) Chapter VIII, Section C.2, Paragraph 1, Sentence 1		A Incorp	WHC-CM-1-8	Entire Document
			WHC-IP-0731	3.5 Sub. 3.5.2.3 & 3.5.4.2
			WHC-IP-0842, VOL 2	4.8.1 Sub. 5.4
			WHC-SP-0708	8
DOE5480.19(920518) Chapter VIII, Section C.2, Paragraph 1, Sentences 4-6		A Incorp	WHC-CM-1-8	Entire Document
			WHC-IP-0731	3.5 Sub. Sec. 3.5.2.3
			WHC-IP-0842, VOL 2	4.8.1 Sub. 4.3 & 5.4
			WHC-SP-0708	8
DOE5480.19(920518) Chapter VIII, Section C.3, Sentences 1-4		A Incorp	WHC-CM-1-10	WKS 8.1
			WHC-CM-1-8	Entire Document
			WHC-IP-0842, VOL 2	4.9.1

SRID Element	Location		Applicable Incorporated Implementing Manuals	
			WHC-SP-0708	8
	DOE5480.19(920518) Chapter VIII, Section C.4	A Incorp	WHC-CM-1-8	Entire Document
			WHC-CM-4-46	6.0
			WHC-IP-0842, VOL 2	4.11.1 Sub. 5.2
				4.12.1 Sub. 4.3 & 4.4
				4.8.1 Sub. 5.6
			WHC-IP-0842, VOL 4	5.5 Sub. 4.2, 4.4, & 5.0
			WHC-SP-0708	8
	DOE5480.19(920518) Chapter VIII, Section C.5, Sentences 1 & 2	A Incorp	WHC-CM-1-8	Entire Document
			WHC-IP-0842, VOL 2	4.12.1 Sub. 5.2
				4.2.2 Sub. 5.2 & 5.7
				4.8.1 Sub. 5.7
			WHC-SP-0708	8
	DOE5480.19(920518) Chapter VIII, Section C.6, Sentences 1-3	A Incorp	WHC-CM-1-8	1.0 Sub. Sec. 5.0
				2.0
			WHC-IP-0842, VOL 2	4.8.1 Sub. 5.8
			WHC-SP-0708	8

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE5480.19(920518) Chapter VIII, Section C.7	A Incorp	WHC-CM-1-8	1.0 Sub. Sec. 5.9
				2.0 Sub. 8.0
			WHC-IP-0842, VOL 2	4.8.1 Sub. 5.9
			WHC-IP-0842, VOL 5	7.2
			WHC-SP-0708	8
	DOE5480.19(920518) Chapter VIII, Section C.8, Para 1 and Para 2 Sent 1	A Incorp	WHC-CM-1-8	Entire Document
			WHC-IP-0842, VOL 2	4.2.2 Sub. 5.9 & 5.10
				4.8.1 Sub. 5.10
			WHC-SP-0708	8
	DOE5480.19(920518) Chapter VIII, Section C.9	A Incorp	WHC-CM-1-8	2.0 Sub. 3.2
			WHC-CM-6-1	EP-2.2
			WHC-IP-0842, VOL 2	4.8.1 Sub. 5.11.1 & 5.11.2
				4.8.1 Sub. 5.11.3 &5.11.4
				4.8.1 Sub. 5.11.5
			WHC-IP-0842, VOL 4	4.5
			WHC-SP-0708	8

SRID Element	Location		Applicable Incorporated Implementing Manuals	
9.9 Lockouts and Tag Outs	DOE5480.19(920518) Chapter IX, Section C.1, Sentence 1	A Incorp	WHC-CM-1-10	WKS 8.1 Sub. Sec. 1.0
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9
	DOE5480.19(920518) Chapter IX, Section C.1, Sentence 7	A Incorp	WHC-CM-1-10	WKS 8.1 Sub. Sec. 4.0
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9
	DOE5480.19(920518) Chapter IX, Section C.10.a	A Incorp	WHC-CM-1-10	WKS 8.1 Sub. Sec. 10.0
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9
	DOE5480.19(920518) Chapter IX, Section C.10.b	A Incorp	WHC-CM-1-10	WKS 8.1 Sub. 10.1, 10.2, & 10.3
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9
	DOE5480.19(920518) Chapter IX, Section C.10.c	A Incorp	WHC-CM-1-10	WKS 8.1 Sub. Sec. 6.4 & 10.0
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9
	DOE5480.19(920518) Chapter IX, Section C.10.d	A Incorp	WHC-CM-1-10	WKS 8.1 Sub. Sec. 10.6
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9
	DOE5480.19(920518) Chapter IX, Section C.11	A Incorp	WHC-CM-1-10	WKS 8.1 Sub. Sec 9.2 & 10.1
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9
	DOE5480.19(920518) Chapter IX, Section C.12	A Incorp	WHC-CM-1-10	WKS 8.1 Sub. Sec. 5.7
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9
	DOE5480.19(920518) Chapter IX, Section C.13	A Incorp	WHC-CM-1-10	WKS 8.1 Sub. Sec. 5.5, 6.1, & 6.3
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9
	DOE5480.19(920518) Chapter IX, Section C.14	A Incorp	WHC-CM-1-10	WKS 8.1 Sub. Sec. 5.6
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE5480.19(920518) Chapter IX, Section C.15	A Incorp	WHC-CM-1-10	WKS 8.1
			WHC-IP-0842, VOL 2	4.12.1 Sub. Attachment A
				4.9.1
			WHC-SP-0708	9
	DOE5480.19(920518) Chapter IX, Section C.2.a thru d	A Incorp	WHC-CM-1-10	WKS 8.1 Sub. 4.0, 5.2, 5.3, & 5.8
				WKS 8.1 Sub. 5.11, 9.7, & 9.8
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9
	DOE5480.19(920518) Chapter IX, Section C.3.a	A Incorp	WHC-CM-1-10	WKS 8.1 Sub. 7.2.c, 7.3, & 7.4
				WKS 8.1 Sub. Appendix A
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9
	DOE5480.19(920518) Chapter IX, Section C.3.b	A Incorp	WHC-CM-1-10	WKS 8.1 Sub. Sec. 8.0
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9
	DOE5480.19(920518) Chapter IX, Section C.4	A Incorp	WHC-CM-1-10	WKS 8.1 Sub. Sec 1.0, 3.0, & 10.0
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9
	DOE5480.19(920518) Chapter IX, Section C.5	A Incorp	WHC-CM-1-10	WKS 8.1
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9
	DOE5480.19(920518) Chapter IX, Section C.5.a	A Incorp	WHC-CM-1-10	WKS 8.1
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9
	DOE5480.19(920518) Chapter IX, Section C.5.c	A Incorp	WHC-CM-1-10	WKS 8.1 Sub. Sec. Appendix B
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9
	DOE5480.19(920518) Chapter IX, Section C.6	A Incorp	WHC-CM-1-10	WKS 8.1 Sub. Sec. 4.0
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9

SRID Element	Location		Applicable Incorporated Implementing Manuals	
	DOE5480.19(920518) Chapter IX, Section C.7	A Incorp	WHC-CM-1-10	WKS 8.1
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9
	DOE5480.19(920518) Chapter IX, Section C.8	A Incorp	WHC-CM-1-10	WKS 8.1 Sub. 9.7, 9.8, 9.9 & 9.11
			WHC-IP-0842, VOL 2	4.9.1
				5.1.2
			WHC-SP-0708	9
	DOE5480.19(920518) Chapter IX, Section C.9, Sentence 1	A Incorp	WHC-CM-1-10	WKS 8.1 Sub. Sec. 5.4
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9
	DOE5480.19(920518) Chapter IX, Section C.9, Sentence 3	A Incorp	WHC-CM-1-10	WKS 8.1 Sub. Sec. 5.4
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9
	DOE5480.19(920518) Chapter IX, Section C.9.a	A Incorp	WHC-CM-1-10	WKS 8.1 Sub. Sec. 5.4
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9
	DOE5480.19(920518) Chapter IX, Section C.9.b, Sentence 4	A Incorp	WHC-CM-1-10	WKS 8.1
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9
	DOE5480.19(920518) Chapter IX, Section C.9.b, Sentences 1-2	A Incorp	WHC-CM-1-10	WKS 8.1
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9
	DOE5480.19(920518) Chapter IX, Section C.9.c	A Incorp	WHC-CM-1-10	WKS 8.1 Sub. Sec. 9.5, 9.6, & 9.7
				WKS 8.1 Sub. Sec. 9.8 & 9.9
			WHC-IP-0842, VOL 2	4.9.1
			WHC-SP-0708	9

SRID Element	Location	Applicable Incorporated Implementing Manuals			
	DOE5480.19(920518) Chapter IX, Section C.9.d	A Incorp	WHC-CM-1-10	WKS 8.1 Sub. Sec. 5.10	
			WHC-IP-0842, VOL 2	4.9.1	
			WHC-SP-0708	9	
9.10 Independent Verification	DOE5480.19(920518) Chapter X, Section C.1, Sentence 5	A Incorp	WHC-IP-0842, VOL 2	4.10.1 Sub. 5.2.1	
			WHC-IP-0842, VOL 4	5.2	
			WHC-SP-0708	10	
	DOE5480.19(920518) Chapter X, Section C.1, Sentences 1-2 & 4	A Incorp	WHC-IP-0842, VOL 2	4.10.1 Sub. 5.2.1	
			WHC-SP-0708	10	
	DOE5480.19(920518) Chapter X, Section C.1.a, Sentence 1	A Incorp	WHC-IP-0842, VOL 2	4.10.1 Sub. 5.2.1	
			WHC-SP-0708	10	
	DOE5480.19(920518) Chapter X, Section C.1.b, Sentence 1	A Incorp	WHC-IP-0842, VOL 2	4.10.1 Sub. 5.2.2	
			WHC-SP-0708	10	
	DOE5480.19(920518) Chapter X, Section C.2	A Incorp	WHC-IP-0842, VOL 2	4.10.1 Sub. 5.3	
			WHC-SP-0708	10	
	DOE5480.19(920518) Chapter X, Section C.3, Sentence 1 and 2	A Incorp	WHC-IP-0842, VOL 2	4.10.1 Sub. 5.1 & 5.5	
			WHC-SP-0708	10	
	DOE5480.19(920518) Chapter X, Section C.3, Sentence 5	A Dis	WHC-IP-0842, VOL 2	4.10.1	Revit
				4.10.1 Sub. 5.6	
			WHC-SP-0708	10	
	DOE5480.19(920518) Chapter X, Section C.3.a, Sentences 1-2	A Incorp	WHC-IP-0842, VOL 2	4.10.1 Sub. 5.4	
			WHC-SP-0708	10	

SRID Element	Location	Applicable Incorporated Implementing Manuals			
	DOE5480.19(920518) Chapter X, Section C.3.b, Sentences 2 & 3	A	Incorp	WHC-IP-0842, VOL 2	4.10.1 Sub. 5.4
				WHC-SP-0708	10
	DOE5480.19(920518) Chapter X, Section C.3.c, Sentence 7	A	Incorp	WHC-IP-0842, VOL 2	4.10.1 Sub. 5.5.3
				WHC-SP-0708	10
	DOE5480.19(920518) Chapter X, Section C.3.d, Sentences 1-3	A	Incorp	WHC-IP-0842, VOL 2	4.10.1 Sub. 5.6.4
				WHC-SP-0708	10
	DOE5480.19(920518) Chapter X, Section C.3.e, Paragraph 2	A	Incorp	WHC-IP-0842, VOL 2	4.10.1 Sub. 5.5.4
				WHC-SP-0708	10
9.11 Log Keeping	DOE5480.19(920518) Chapter XI, Section C.1, Sentences 1-2	A	Incorp	WHC-IP-0842, VOL 2	4.11.1 Sub. 5.1
				WHC-SP-0708	11
	DOE5480.19(920518) Chapter XI, Section C.1, Sentences 3-4	A	Incorp	WHC-IP-0842, VOL 2	4.11.1 Sub. 5.1
				WHC-SP-0708	11
	DOE5480.19(920518) Chapter XI, Section C.2, Sentence 1	A	Incorp	WHC-IP-0842, VOL 2	4.11.1 Sub. 5.2
				WHC-SP-0708	11
	DOE5480.19(920518) Chapter XI, Section C.3, Paragraph 1	A	Incorp	WHC-IP-0842, VOL 2	4.11.1 Sub. 5.2
				WHC-SP-0708	11
	DOE5480.19(920518) Chapter XI, Section C.4, Sentences 1-2	A	Incorp	WHC-IP-0842, VOL 2	4.11.1 Sub. 5.2
				WHC-SP-0708	11

SRID Element	Location	Applicable Incorporated Implementing Manuals			
	DOE5480.19(920518) Chapter XI, Section C.5, Sentence 5	A Incorp	WHC-IP-0842, VOL 2	4.11.1 Sub. 5.3 & 5.4	
			WHC-SP-0708	11	
	DOE5480.19(920518) Chapter XI, Section C.5, Sentences 1-2	A Incorp	WHC-IP-0842, VOL 2	4.11.1 Sub. 5.3 & 5.4	
			WHC-SP-0708	11	
	DOE5480.19(920518) Chapter XI, Section C.6	A Incorp	WHC-IP-0842, VOL 2	4.11.1 Sub. 5.5	
			WHC-SP-0708	11	
	DOE5480.19(920518) Chapter XI, Section C.7	A Dis	WHC-CM-3-5	9.0	
			WHC-IP-0842, VOL 2	4.11.1	Revit
				4.11.1 Sub. 5.1	
			WHC-SP-0708	11	
9.12 Operations Turnover	DOE5480.19(920518) Chapter XII, Section C.1.a and C.1.b Para 1, Sent 1	A Incorp	WHC-IP-0842, VOL 2	4.12.1	
			WHC-SP-0708	12	
	DOE5480.19(920518) Chapter XII, Section C.1.b, Paragraph 2, Sentence 3	A Dis	WHC-IP-0842, VOL 2	4.12.1	Revit
				4.12.1 Att. D, E, F, H, I, & K	
			WHC-SP-0708	12	
	DOE5480.19(920518) Chapter XII, Section C.1.c, Paragraph 1, Sentence 1	A Incorp	WHC-IP-0842, VOL 2	4.12.1 Sub. Attachments A, B & C	
				4.12.1 Sub. Sec. 4.2 & 4.3	
			WHC-SP-0708	12	
	DOE5480.19(920518) Chapter XII, Section C.1.c, Paragraph 2, Sentence 1	A Incorp	WHC-IP-0842, VOL 2	4.12.1 Sub. Attachments A, B & C	
				4.12.1 Sub. Sec. 4.2 & 4.3	
			WHC-SP-0708	12	

SRID Element	Location	Applicable Incorporated Implementing Manuals			
	DOE5480.19(920518) Chapter XII, Section C.2, Sentences 1 & 3	A	Incorp	WHC-IP-0842, VOL 2	4.12.1 Sub. 4.3 & 5.1
				WHC-SP-0708	12
	DOE5480.19(920518) Chapter XII, Section C.3, Paragraph 1, Sentence 1	A	Incorp	WHC-IP-0842, VOL 2	4.12.1 Sub. 5.2.7
				WHC-SP-0708	12
	DOE5480.19(920518) Chapter XII, Section C.3, Paragraph 2	A	Incorp	WHC-IP-0842, VOL 2	4.12.1 Sub. 5.2.6
				WHC-SP-0708	12
	DOE5480.19(920518) Chapter XII, Section C.4	A	Incorp	WHC-IP-0842, VOL 2	4.11.1 Sub. 5.2.7 & 5.3.9
					4.12.1 Sub. 5.1, 5.2.3, & 5.2.4
					4.12.1 Sub. 5.2.5
				WHC-SP-0708	12
	DOE5480.19(920518) Chapter XII, Section C.5, Sentence 1-4	A	Incorp	WHC-IP-0842, VOL 2	4.12.1 Sub. 3.0 & 5.2.8
				WHC-SP-0708	12
	DOE5480.19(920518) Chapter XII, Section C.6, Sentence 1	A	Incorp	WHC-IP-0842, VOL 2	4.12.1 Sub. 3.8
				WHC-SP-0708	12
9.13 Operations Aspects of Facility Chemistry and Unique Processes	DOE5480.19(920518) Chapter XIII, Section C.1, Sentence 1	A	Incorp	WHC-IP-0842, VOL 2	4.13.1
				WHC-SP-0708	13
	DOE5480.19(920518) Chapter XIII, Section C.1, Sentences 3-4	A	Incorp	WHC-IP-0842, VOL 2	4.13.1 Sub. 5.2.3
				WHC-SP-0708	13

SRID Element	Location	Applicable Incorporated Implementing Manuals			
	DOE5480.19(920518) Chapter XIII, Section C.2, Paragraph 1, Sentence 1	A	Incorp	WHC-IP-0842, VOL 2	4.13.1 Sub. 4.3
				WHC-SP-0708	13
	DOE5480.19(920518) Chapter XIII, Section C.3, Sentence 1	A	Incorp	WHC-IP-0842, VOL 2	4.13.1 Sub. 5.2.7, 5.2.8 & 5.2.9
				WHC-SP-0708	13
	DOE5480.19(920518) Chapter XIII, Section C.4	A	Incorp	WHC-IP-0842, VOL 2	4.13.1 Sub. 4.0
				WHC-SP-0708	13
9.14 Required Reading	DOE5480.19(920518) Chapter XIV, Section C.1	A	Incorp	WHC-IP-0842, VOL 2	4.14.1 Sub. Sec. 4.1.2 & 5.1.1
				WHC-SP-0708	14
	DOE5480.19(920518) Chapter XIV, Section C.2	A	Incorp	WHC-IP-0842, VOL 2	4.14.1 Sub 4.1.3, 4.2.1 & 4.3.1 4.14.1 Sub 4.3.2 & 5.1
				WHC-SP-0708	14
	DOE5480.19(920518) Chapter XIV, Section C.3, Sentence 1	A	Incorp	WHC-IP-0842, VOL 2	4.14.1 Sub. Sec. 4.1.2 & 5.1.1.a
				WHC-SP-0708	14
	DOE5480.19(920518) Chapter XIV, Section C.3, Sentences 3-5	A	Incorp	WHC-IP-0842, VOL 2	4.14.1 Sub. 4.2.2, 4.4, & 5.2
				WHC-SP-0708	14
	DOE5480.19(920518) Chapter XIV, Section C.4	A	Incorp	WHC-IP-0842, VOL 2	4.14.1 Sub 4.1.1, 4.2, 4.3 & 4.4 4.14.1 Sub. 5.2.4 & 5.2.5
				WHC-SP-0708	14
	DOE5480.19(920518) Chapter XIV, Section C.5, Sentences 1-2	A	Incorp	WHC-IP-0842, VOL 2	4.14.1 Sub. 4.3.3 & 4.3.4
				WHC-SP-0708	14

SRID Element	Location	Applicable Incorporated Implementing Manuals			
9.15 Timely Orders to Operators	DOE5480.19(920518) Chapter XV, Section C.1, Sentences 3-5	A Incorp	WHC-IP-0842, VOL 2	4.15.1 Sub. 3.0 & 5.2
			WHC-IP-0842, VOL 4	4.4
			WHC-SP-0708	15
	DOE5480.19(920518) Chapter XV, Section C.2	A Incorp	WHC-IP-0842, VOL 2	4.15.1 Sub. 4.2, 5.3.1, & 5.4.1
			WHC-SP-0708	15
	DOE5480.19(920518) Chapter XV, Section C.3	A Incorp	WHC-IP-0842, VOL 2	4.15.1 Sub. 4.1, 5.3.3, & 5.4.6
			WHC-SP-0708	15
9.16 Operations Procedures	DOE5480.19(920518) Chapter XVI, Section C.1, Paragraph 1 and Paragraph 2	A Incorp	WHC-CM-3-5	12.5 Sub. 5.2
			WHC-IP-0731	Entire Document
			WHC-IP-0842, VOL 2	4.16.2
			WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.1, Paragraph 3, Sentence 3	A Incorp	WHC-CM-3-5	12.5 Sub. 5.2
			WHC-IP-0815	Entire Document Sub. Sec. 5.2.1.a.2
			WHC-IP-0842, VOL 2	4.16.2
			WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.2.a, Sentence 1	A Incorp	WHC-CM-3-5	12.5 Sub. Sec. 5.2.1
			WHC-IP-0731	Entire Document Section 3.5
			WHC-IP-0842, VOL 2	4.16.2 Section 5.1.1
			WHC-SP-0708	16

SRID Elemen[illegible]	Location	[illegible]pplicable Incorporated Implementing Manuals		
	DOE5480.19(920518) Chapter XVI, Section C.2.a, Sentence 3	A Incorp	WHC-CM-3-5	12.5 Sub. 5.2.1
			WHC-IP-0731	Entire Document
			WHC-IP-0842, VOL 2	4.16.2 Section 5.1.1
			WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.2.b	A Incorp	WHC-CM-3-5	12.5 Sub. 5.2.1
			WHC-IP-0731	Entire Document Section 2.4
			WHC-IP-0842, VOL 2	4.16.2 Section 5.1.1
			WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.2.c, Sentence 1	A Incorp	WHC-CM-3-5	12.5 Sub. 5.2.1
			WHC-IP-0731	Entire Document Section 3.5.2
			WHC-IP-0842, VOL 2	4.16.2 Section 5.1.1
			WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.2.c, Sentence 3 thru 5	A Incorp	WHC-CM-3-5	12.5 Sub. 5.2.1
			WHC-IP-0731	Entire Document Section 3.5.2
			WHC-IP-0842, VOL 2	4.16.2 Section 5.1.1
			WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.2.d	A Incorp	WHC-CM-3-5	12.5 Sub. 5.2.1
			WHC-IP-0731	Entire Document Section 3.5.1.2.2
			WHC-IP-0842, VOL 2	4.16.2 Section 5.1.1
			WHC-SP-0708	16

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE5480.19(920518) Chapter XVI, Section C.2.e	A Incorp	WHC-CM-3-5	12.5 Sub. 5.2.1
			WHC-IP-0731	Entire Document Section 2.0
			WHC-IP-0842, VOL 2	4.16.2 Section 5.1.1
			WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.2.f	A Incorp	WHC-CM-3-5	12.5 Sub. 5.2.1
			WHC-IP-0731	Entire Document Section 3.5.3.3
			WHC-IP-0842, VOL 2	4.16.2 Section 5.1.1
			WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.2.g	A Incorp	WHC-CM-3-5	12.5 Sub. 5.2.1
			WHC-IP-0731	Entire Document Section 2.0
			WHC-IP-0842, VOL 2	4.16.2 Section 5.1.1
			WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.2.h	A Incorp	WHC-CM-3-5	12.5 Sub. 5.2.1
			WHC-IP-0731	Entire Document Section 3.6
			WHC-IP-0842, VOL 2	4.16.2 Section 5.1.1
			WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.2.i	A Incorp	WHC-CM-3-5	12.5 Sub. 5.2.1
			WHC-IP-0731	Entire Document Section 3.6
			WHC-IP-0842, VOL 2	4.16.2 Section 5.1.1
			WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.2.j	A Incorp	WHC-CM-3-5	12.5 Sub. 5.2.1
			WHC-IP-0731	Entire Document Section 4.5
			WHC-IP-0842, VOL 2	4.16.2 Section 5.1.1
			WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.2.k	A Incorp	WHC-CM-3-5	12.5 Sub. 5.2.1
			WHC-IP-0731	Entire Document Section 3.5.4.3
			WHC-IP-0842, VOL 2	4.16.2 Section 5.1.1
			WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.2.l	A Incorp	WHC-CM-3-5	12.5 Sub. 5.2.1
			WHC-IP-0731	Entire Document Section 3.5.1.2.9
			WHC-IP-0842, VOL 2	4.16.2 Section 5.1.1
			WHC-SP-0708	16

SRID Element	Location	Applicable Incorporated Implementing Manuals			
	DOE5480.19(920518) Chapter XVI, Section C.2.m	A	Incorp	WHC-CM-3-5	12.5 Sub. 5.2.1
				WHC-IP-0731	Entire Document Section 2.5
				WHC-IP-0842, VOL 2	4.16.2 Section 5.1.1
				WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.2.n	A	Incorp	WHC-CM-3-5	12.5 Sub. 5.2.1
				WHC-IP-0731	Entire Document Section 2.0
				WHC-IP-0842, VOL 2	4.16.2 Section 5.1.1
				WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.2.o, Sentence 1	A	Incorp	WHC-CM-3-5	12.5 Sub. 5.2.1
				WHC-IP-0731	Entire Document
				WHC-IP-0842, VOL 2	4.16.2 Section 5.1.1
				WHC-IP-0851	Entire Document Section 1.4
				WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.2.p	A	Incorp	WHC-CM-3-5	12.5 Sub. 5.2.1
				WHC-IP-0731	Entire Document
				WHC-IP-0842, VOL 2	4.16.2 Section 5.1.1
				WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.2.q	A	Incorp	WHC-CM-3-5	12.5 Sub. 5.2.1
				WHC-IP-0731	Entire Document Section 4.11
				WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.2.r	A	Incorp	WHC-CM-3-5	12.5 Sub. 5.2.1
				WHC-IP-0731	Entire Document
				WHC-IP-0842, VOL 2	4.16.2 Section 5.1.1
				WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.3, Sentence 2	A	Incorp	WHC-CM-3-5	12.5 Sub. 5.2.3
				WHC-IP-0815	Entire Document
				WHC-IP-0842, VOL 2	4.16.2

SRID Element	Location	Applicable Incorporated Implementing Manuals		
				4.16.3
			WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.3, Sentence 6	A Incorp	WHC-CM-3-5	12.5 Sub. 5.2.3
			WHC-IP-0815	Entire Document
			WHC-IP-0842, VOL 2	4.14.1
				4.16.2
				4.16.3
			WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.4, Paragraph 1 and Paragraph 2	A Incorp	WHC-CM-3-5	12.5 Sub. 5.2.2
			WHC-IP-0842, VOL 2	4.16.2
				4.16.3
			WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.5	A Incorp	WHC-CM-3-5	12.5 Sub. 5.2.2
			WHC-IP-0842, VOL 2	4.16.2
				4.6.2
			WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.6, Paragraph 1, Sentence 1	A Incorp	WHC-CM-3-5	12.5 Sub. 5.4 & 6.6
			WHC-IP-0842, VOL 2	4.16.1
			WHC-SP-0708	16

SRID Element	Location		Applicable Incorporated Implementing Manuals	
	DOE5480.19(920518) Chapter XVI, Section C.6, Paragraph 2, Sentance 2	A Incorp	WHC-CM-3-5	12.5 Sub. 5.4 & 6.6
			WHC-IP-0842, VOL 2	4.16.1
			WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.6, Paragraph 3, Sentence 1	A Incorp	WHC-CM-3-5	12.5 Sub. 5.4 & 6.6
			WHC-IP-0842, VOL 2	4.16.1
			WHC-SP-0708	16
	DOE5480.19(920518) Chapter XVI, Section C.7	A Incorp	WHC-CM-3-5	12.5 Sub. 5.1
			WHC-IP-0842, VOL 2	4.16.1
				4.2.1 Sub. Sec. 5.13
				4.3.1
			WHC-SP-0708	16
9.17 Operator Aid Posting	DOE5480.19(920518) Chapter XVII, Section C.2, Sentence 1 & 3	A Incorp	WHC-IP-0842, VOL 2	4.17.1 Sub. 4.2.2, 5.2.3, & 5.3
			WHC-SP-0708	17
	DOE5480.19(920518) Chapter XVII, Section C.3	A Incorp	WHC-IP-0842, VOL 2	4.17.1 Sub. 5.5.2
			WHC-SP-0708	17
	DOE5480.19(920518) Chapter XVII, Section C.4, Sentence 3	A Incorp	WHC-IP-0842, VOL 2	4.17.1 Sub. 5.2.3, & 5.7.c
			WHC-SP-0708	17
	DOE5480.19(920518) Chapter XVII, Section C.5	A Incorp	WHC-IP-0842, VOL 2	4.17.1 Sub. 3.0.3, 4.2.5 & 5.7.1
				4.17.1 Sub. Attachment A
			WHC-SP-0708	17
	DOE5480.19(920518) Chapter XVII, Section C.6, Para. 1, Para. 2 Sent. 1-2	A Incorp	WHC-IP-0842, VOL 2	4.17.1 Sub. 4.3 & 5.7
			WHC-SP-0708	17

SRID Element	Location	Applicable Incorporated Implementing Manuals		
9.18 Equipment and Piping Labeling	DOE5480.19(920518) Chapter XVIII Section C.1	A Incorp	6-TF-100	Entire Document App 2 sec- 1.0 & 4.4.5
				Entire Document Sub. 1.1
			WHC-IP-0842, VOL 4	3.3 Sub. 5.0
			WHC-SP-0708	18
	DOE5480.19(920518) Chapter XVIII, Section C.2, Para 1, Sentences 1-5	A Incorp	6-TF-100	Entire Document App 2 sec-1.0, 2.1, & 4.1
			WHC-IP-0842, VOL 4	3.3
			WHC-SP-0708	18
	DOE5480.19(920518) Chapter XVIII, Section C.2, Paragraph 1, Sentence 7	A Incorp	6-TF-100	Entire Document
			WHC-IP-0842, VOL 4	3.3
			WHC-SP-0708	18
	DOE5480.19(920518) Chapter XVIII, Section C.2, Paragraph 2	A Incorp	6-TF-100	Entire Document App 2 sec- 4.2.8, & 4.2.9
			WHC-IP-0842, VOL 4	3.3
			WHC-SP-0708	18
	DOE5480.19(920518) Chapter XVIII, Section C.2, Paragraph 3, Sentence 1	A Incorp	6-TF-100	Entire Document App 2 sec- 3.1
			WHC-IP-0842, VOL 4	3.3
			WHC-SP-0708	18
	DOE5480.19(920518) Chapter XVIII, Section C.2, Paragraph 3, Sentence 3	A Incorp	6-TF-100	Entire Document App 2 Sec- 3.2
			WHC-IP-0842, VOL 4	3.3
			WHC-SP-0708	18

SRID Element	Location		Applicable Incorporated Implementing Manuals	
	DOE5480.19(920518) Chapter XVIII, Section C.3, Para 1 and Para 2 Sent 2	A Incorp	6-TF-100	Entire Document App. 2 sec- 4.2
			WHC-IP-0842, VOL 4	3.3
			WHC-SP-0708	18
	DOE5480.19(920518) Chapter XVIII, Section C.4.a	A Incorp	6-TF-100	Entire Document Sub. 1.3.2
			WHC-IP-0842, VOL 4	3.3
			WHC-SP-0708	18
	DOE5480.19(920518) Chapter XVIII, Section C.4.b, Paragraph 1, Sent 3 & 4	A Incorp	6-TF-100	Entire Document Sub. 1.3.2
			WHC-IP-0842, VOL 4	3.3
			WHC-SP-0708	18
	DOE5480.19(920518) Chapter XVIII, Section C.4.b, Paragraph 1, Sentence 1	A Incorp	6-TF-100	Entire Document Sub. 1.3.2
			WHC-IP-0842, VOL 4	3.3
			WHC-SP-0708	18
	DOE5480.19(920518) Chapter XVIII, Section C.4.b, Paragraph 2, Sentence 1	A Incorp	6-TF-100	Entire Document Sub. 1.3.2
			WHC-IP-0842, VOL 4	3.3
			WHC-SP-0708	18

3.10 Maintenance

Maintenance

1.0 INTRODUCTION The Defense Nuclear Facilities Safety Board issued Recommendation 90-2, which recommended that the DOE 1) identify specific standards applicable to the design, construction, operation and decommissioning of defense nuclear facilities, 2) assess the adequacy of those standards for ensuring public health and safety, and 3) assess the extent of compliance for those standards which have been implemented. The WHC Codes and Standards Compliance (CSC) organization was assigned the responsibility for development and implementation of the Hanford Site response to 90-2. The Tank Farm was chosen as one of the facilities to pilot the concept of creating a Standards/ Requirements Identification Document (S/RID). The Tank Farm S/RID is comprised of seven (7) Functional Areas necessary for protecting the health and safety of the public, the workers, and the environment.

This report documents the results of the phase one assessment which determined if the requirements were incorporated within WHC/WTO management controls specified in policies, programs, and procedures. To be judged as incorporated, all parts of the requirement had to be contained within a WHC controlled document. Also, the document had to be controlled at the right level within the company for effective implementation at Tank Farms. A requirement was assessed as discrepant if one or more of the requirement's parts were not contained within a WHC controlled document, or not contained in a WHC document controlled at the right level for effective implementation at the Tank Farm.

The Maintenance Functional Area of the Tank Farm Facility S/RID identifies the requirements which, when implemented, ensure that a high level of performance will be promoted through effective incorporation and control of the organization and administration of maintenance activities. Maintenance includes activities required to monitor and maintain Tank Farms' structures, systems, and components in a manner that supports safe and efficient operations. The maintenance program must comply with the requirements of DOE and other federal agencies, state agencies, and local authorities. Industry standards and good practices were also included in the identification of functional area requirements, particularly those that supplemented or validated DOE Orders in response to the DNFSB Recommendation 90-2.

2.0 SUMMARY The principal requirements of the Maintenance Functional Area, as delineated in the S/RID applicable to Tank Farms, are found mainly in DOE Order 4330.4B. The requirements cover management controls and program requirements necessary to perform a full range of maintenance activities, including, corrective, preventive, and predictive maintenance; materials management and control; event assessment and corrective actions; control of

tools and equipment; work control processes and material condition inspections; and component, system, and structure condition inspections.

The functional area of Maintenance has 25 requirements. During the assessment process it was determined that 100% of these requirements had been incorporated.

3.0 DETAILED RESULTS In the Maintenance Functional Area of the S/RID there are seven discrete elements. Each element is stand alone with one exception. The single exception is comprised of 18 subelements. As required by the S/RID Phase 1 Assessment criteria, each element and subelement was evaluated to determine if there were working level procedures or documents that identified their requirements.

As a result of the Phase 1 Assessment, all elements and subelements identified in the Maintenance Functional Area were found to be incorporated into working level procedures and documents used to support TWRS maintenance activities.

A summary of these elements and subelements is presented in the following Compliance table. Table 3.1 Maintenance S/RID Element Status contains four columns; the first shows the Functional Area sub-element numerical identifier, the second shows the sub-element description, the third and fourth show the sub-element requirement status as being either "incorporated" (Inc) or "discrepant" (Dis) respectively. Any items marked "Dis" are discussed in paragraph 4.0 Discrepancies.

Each element/subelement was evaluated for applicability and incorporation into controlled working level procedures and documents. The detailed results of these evaluations follow.

There are no remedial actions required. Routine evaluations are required when working level procedures and documents are revised to ensure that S/RID requirements are not deleted during the revision process.

Table 3.1 Maintenance S/RID Element Status

Element Identifier	Element Description	Inc.	Disc.
Chapter I Sect 10.a	Maintenance Implementation plan	1	0
Chapter I Sect 10.b	Periodic Inspections	1	0
Chapter I Sect 10.d Sentence 1	Graded Approach for Resource Allocation	1	0
Chapter I Sect 10.d Sentence 3	Maintenance Program Elements	1	0
Chapter II Sect 3.0	Subelement - Maintenance Organization & Administration	1	0
Chapter II Sect. 3.0	Subelement - Training & Qualification of Maintenance Personnel	1	0
Chapter II Sect. 4.0	Subelement - Maintenance Facilities, Equipment, & Tools	1	0
Chapter II Sect. 5.0	Subelement - Types of Maintenance	1	0
Chapter II Sect 6.0	Subelement - Maintenance Procedures	1	0
Chapter II Section 7.0	Subelement - Planning, Scheduling, & Coordination of Maintenance	1	0

Table 3.1 Maintenance S/RID Element Status continued

Element Identifier	Element Description	Inc.	Disc.
Chapter II Sect 8.0	Subelement - Control of Maintenance Activities	1	0
Chapter II Sect 9.0	Subelement - Post Maintenance Testing	1	0
Chapter II Sect 10.0	Subelement - Procurement of Parts, Materials, & Services	1	0
Chapter II Sect 11.0 Sentence 3	Subelement - Material Receipt, Inspection, Handling, Storage, Retrieval & Issuance	1	0
Chapter II Sect 12.0	Subelement - Control & Calibration of Measuring & Test Equipment	1	0
Chapter II Sect. 13.0	Subelement - Maintain Tools & Equipment	1	0
Chapter II Sect. 14.0	Subelement - Facility Condition Inspection	1	0
Chapter II Sect. 15.0	Subelement - Management Involvement	1	0
Chapter II Sect 16.0	Subelement - Maintenance History	1	0
Chapter II Section 17.0	Subelement - Analysis of Maintenance Problems	1	0

Table 3.1 Maintenance S/RID Element Status continued

Element Identifier	Element Description	Inc.	Disc.
Chapter II Sect 18.0	Subelement - Modification Work	1	0
Chapter II Sect 19.0	Subelement - Seasonal Facility Preservation Requirements	1	0
Chapter I Sect 10.d Sentence 5	Subelement - Deviations	1	0
Chapter I Sect 10.e	MIP Approval	1	0
Chapter II Sect 1.0 Para. 8, Sentence 2-3	Objectives necessary for an adequate Maintenance Program and Program Management.	1	0

9/10/96

MN
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	All	All	Price	7

INCORP.

10.1 Program Management
DOE4330.4B Preamble, Section 10.a
DOE4330.4B Preamble, Section 10.b, Sentence 1
DOE4330.4B Preamble, Section 10.d, Sentence 1
DOE4330.4B Preamble, Section 10.d, Sentence 3
DOE4330.4B Preamble, Section 10.d, Sentence 5
DOE4330.4B Preamble, Section 10.e
DOE4330.4B Chapter II, Paragraph 8, Sentence 2 and 3

SRID Element	Location	Applicable Incorporated Implementing Manuals		
10.1 Program Management	DOE4330.4B Preamble, Section 10.a	A Incorp	TF-SRIDS-IMPLEMENTATION	5.1
			WHC-CM-1-8	1.0
				2.0
			WHC-IP-0842, VOL 1	2.7
			WHC-IP-0842, VOL 5	2.3
				2.4
			WHC-IP-0850	3.1
				3.3
				3.4
				4.1
				4.14
				4.15
				4.16
				4.6
				4.7
	DOE4330.4B Preamble, Section 10.b, Sentence 1	A Incorp	TF-SRIDS-IMPLEMENTATION	5.2
			WHC-IP-0842, VOL 5	2.7
	DOE4330.4B Preamble, Section 10.d, Sentence 1	A Incorp	TF-SRIDS-IMPLEMENTATION	5.3
			WHC-IP-0850	3.4
	DOE4330.4B Preamble, Section 10.d, Sentence 3	A Incorp	TF-SRIDS-IMPLEMENTATION	5.4
			WHC-IP-0850	4.0
	DOE4330.4B Preamble, Section 10.d, Sentence 5	A Incorp	TF-SRIDS-IMPLEMENTATION	5.5
			WHC-IP-0850	5.0
	DOE4330.4B Preamble, Section 10.e	A Incorp	TF-SRIDS-IMPLEMENTATION	5.6

SRID Element	Location		Applicable Incorporated Implementing Manuals	
	DOE4330.4B Chapter II, Paragraph 8, Sentence 2 and 3	A Incorp	NEW_WHC-SP-1179	2.0
			TF-SRIDS-IMPLEMENTATION	5.7
			WHC-CM-1-8	1.0
				2.0
			WHC-IP-0842, VOL 3	10.6
			WHC-IP-0842, VOL 5	2.1
				2.2
				2.3
				2.4
				2.5
				2.6
				2.6
				2.7
				3.1
				3.10
				3.2
				3.3
				3.4
				3.5
				3.6
				3.8
				3.9
			WHC-IP-0850	4.1
				4.10
				4.11
				4.12
				4.13
				4.14
				4.15
				4.16
				4.17
				4.18

SRID Element	Location	[illegible]plicable Incorporated Implementing Manuals	
			4.2
			4.3
			4.4
			4.5
			4.6
			4.7
			4.8
			4.9
		WHC-IP-0974	ALL
		WHC-SD-WM-TR-026	ALL

3.11 Radiation Protection

Radiation Protection

1.0 INTRODUCTION

During the months of February and March of 1996, an assessment of the S/RID requirements applicable to TWRS Radiation Protection functions was conducted. The assessment included the following divisions of TWRS Radiation Protection:

1) West Tank Farms
2) East Tank Farms
3) Evaporator Project
4) Characterization Project Organization

The function area Radiation Protection, from the Tank Farms S/RID (WHC-SD-MP-SRID-001) includes a total of 213 individual requirements. The requirements. The requirements are contained in eight major elements and a series of sub-elements. The text of the requirements are accessible through the use of the special ERMI computer program provided by a WHC sub-contractor. The ERMI program allows for the assessment team to electronically input the results of the assessment into the data bases supported by the ERMI program. The electronic files are then downloaded and delivered to the Tank Farms S/RID Co-coordinators.

The TWRS Radiation Protection S/RID assessment team was comprised of the designated facility experts: Damon "Sonny" Bracoamontes and Duane Medley. The assessment was conducted during the months of February and March 1996. The process included evaluation of existing manuals and documentation the at the teams considered relevant as evidence to justify the stat of the requirements under assessment. Individual manuals and documentation used as evidence as are identified in the data bases in the ERMI computer program. The manuals and documentation imputed to the data bases are the evidence necessary to determine the compliance status of the individual requirement. Manuals and documentation that were evaluated but not used as evidence do not appear on the databases, however, so a list of these manuals and documents is included in this report.

The results of the completed assessment indicate that the Tank Farm S/RID requirements for the Radiation Protection Functional Area are implemented in WHC controlled Manuals, Procedures, or Documents. The results verify that the recent assessment and implementation of 10 CFR 35 recently completed by TWRS remains 100% compliant.

2.0 SUMMARY

No discrepancies were discovered during the S/RID Phase 1 assessment process. All requirements are judged to be applicable and in compliance except for one requirement which exists for facilities that calibrate instruments; this item

is NA because TWRS Radiation Protection does not calibrate any instruments at this time; all instruments are calibrated by a sub-contractor (PNL).

No unsatisfactory safety related conditions exist at this time, none were any discovered during the process assessment.

Whc Policies, procedures and documents used to evaluated the compliance of the requirements include the following:

10 CFR 835	WHC-SP-1145	WHC-IP-0842
WHC-CM-4-14	WHC-CM-0718	DOE-T
WHC-CM-4-2	HSRCM-1	WHC-SD-WM-TA-177
WHC-CM-3-5	WHC-IP-0243	WHC-IP-0263

3.0 DETAILED RESULTS

All requirement evaluated are judged to be applicable and incorporated with the exception of Requirement 11.8.4; this discusses equipment maintenance and calibration. This is not applicable because Radiation Protection personnel do not calibrate instrumentation at this time.

Table 3.1 RP S/RID Element Status contains four columns; the first shows the Functional Area sub-element numerical identifier, the second shows the sub-element description, the third and fourth show the sub-element requirement status as being either "incorporated" (Inc) or "discrepant" (Dis) respectively.

Program Management (11.1) contains requirements dealing with exposure management, exposure reduction, the ALARA program, exposure controls, radiation work planning, dose tracking and tending, Radiation Program, and records management.

Monitoring and Surveys (11.2) contains requirements dealing with radiation monitoring and surveying, monitoring equipment, contamination monitoring, and dose rate surveys.

Exposures (11.3) contains requirements dealing with personnel exposure monitoring, exposure limits, dosimetry program, and calculational models.

Access limitations (11.4) contains requirements dealing with area restrictions, posting, and radiation work permits.

Storage, Labeling, and Transportation (11.5) contains requirements dealing with radioactive material movements, radionuclide control, and sealed source management.

Contamination Control (6) contains requirements dealing with

personnel contamination control, equipment and areas equipment control, decontamination control, and confinement, containment and ventilation requirements.

Protective equipment (8) contains requirements dealing with protective clothing, and equipment and maintenance and calibration.

Table 3.1 RP S/RID Element Status

Element Identifier	Element Description	Inc.	Dis.
11.1	Program Management	56	
11.2	Monitoring and Surveys	13	
11.3	Exposures	18	
11.4	Access Limitations	45	
11.5	Storage, Labeling, and Transportation	30	
11.6	Contamination Control	39	
11.8	Protective Equipment	11[1]	

[1] There are actually twelve requirements within this element. One of them is not applicable, hence there being only eleven incorporated requirements and zero discrepant requirements.

Because there are no discrepant requirements, no recovery efforts are necessary.

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RP
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	All	All	All	212

Incorporated

11.1 Program Management
10CFR835 Part 102

11.1.1 Exposure Reduction and ALARA
10CFR835 Part 1001(a)
10CFR835 Part 1001(b)
10CFR835 Part 1003(a)
DOE/EH0256T(940431) Chapter 3, Part 1, Article 311

11.1.1.1 Exposure Controls
DOE/EH0256T(940431) Chapter 3, Part 1, Article 314.1
DOE/EH0256T(940431) Chapter 3, Part 1, Article 314.2
DOE/EH0256T(940431) Chapter 3, Part 1, Article 314.3
DOE/EH0256T(940431) Chapter 3, Part 1, Article 314.4
DOE/EH0256T(940431) Chapter 3, Part 1, Article 314.5
DOE/EH0256T(940431) Chapter 3, Part 1, Article 314.6
DOE/EH0256T(940431) Chapter 3, Part 4, Article 342. 8
DOE/EH0256T(940431) Chapter 3, Part 4, Article 343.1
DOE/EH0256T(940431) Chapter 3, Part 4, Article 343.3
DOE/EH0256T(940431) Chapter 3, Part 4, Article 343.4

11.1.1.2 Radiological Work Planning
DOE/EH0256T(940431) Chapter 3, Part 1, Article 312.1
DOE/EH0256T(940431) Chapter 3, Part 1, Article 312.2
DOE/EH0256T(940431) Chapter 3, Part 1, Article 315.1
DOE/EH0256T(940431) Chapter 3, Part 1, Article 315.2
DOE/EH0256T(940431) Chapter 3, Part 1, Article 315.3
DOE/EH0256T(940431) Chapter 3, Part 2, Article 324.1
DOE/EH0256T(940431) Chapter 3, Part 2, Article 324.2
DOE/EH0256T(940431) Chapter 3, Part 2, Article 324.3
DOE/EH0256T(940431) Chapter 3, Part 2, Article 324.4
DOE/EH0256T(940431) Chapter 3, Part 2, Article 324.5
DOE/EH0256T(940431) Chapter 3, Part 4, Article 341.1
DOE/EH0256T(940431) Chapter 3, Part 4, Article 342. 6
DOE/EH0256T(940431) Chapter 3, Part 4, Article 342. 7

11.1.1.3 ALARA Reviews
DOE/EH0256T(940431) Chapter 3, Part 1, Article 312.4
DOE/EH0256T(940431) Chapter 3, Part 1, Article 312.5

11.1.1.5 ALARA Committee and Staffing
DOE/EH0256T(940431) Chapter 1, Part 3, Article 138
DOE/EH0256T(940431) Chapter 3, Part 1, Article 312.6

11.1.1.6 Dose Tracking and Trending
DOE/EH0256T(940431) Chapter 3, Part 4, Article 344.3

11.1.3 RP Selection and Qualification
DOE/EH0256T(940431) Chapter 6, Part 4, Article 641
DOE/EH0256T(940431) Chapter 6, Part 4, Article 642.1
DOE/EH0256T(940431) Chapter 6, Part 4, Article 644.2

11.1.4 Radiological Program Performance Goals
DOE/EH0256T(940431) Chapter 1, Part 2, Article 121. 9
DOE/EH0256T(940431) Chapter 1, Part 3, Article 132.4
DOE/EH0256T(940431) Chapter 1, Part 3, Article 133.2

11.1.5 Program Policy and Procedures
10CFR835 Part 501(d)
DOE/EH0256T(940431) Chapter 1, Part 2, Article 125.5

11.1.6 Policy for Response to Abnormal Situations
DOE/EH0256T(940431) Chapter 3, Part 4, Article 345.1

RP
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	All	All	All	212

DOE/EH0256T(940431) Chapter 3, Part 4, Article 345.3
DOE/EH0256T(940431) Chapter 3, Part 4, Article 345.4

11.1.7 Records Management
10CFR835 Part 701(a)
DOE/EH0256T(940431) Chapter 7, Part 1, Article 713.1
DOE/EH0256T(940431) Chapter 7, Part 1, Article 713.3

11.1.7.1 Survey Records/Radiological Work Control Records
10CFR835 Part 703
10CFR835 Part 704(e)
DOE/EH0256T(940431) Chapter 7, Part 5, Article 751.1
DOE/EH0256T(940431) Chapter 7, Part 5, Article 753
DOE/EH0256T(940431) Chapter 7, Part 5, Article 754

11.1.7.2 ALARA Review/Program Records
10CFR835 Part 704(b)
DOE/EH0256T(940431) Chapter 7, Part 4, Article 742

11.1.7.3 Miscellaneous Radiation Protection Records
10CFR835 Part 704(c)
10CFR835 Part 704(d)

11.2 Monitoring and Surveys
10CFR835 Part 401(a)
10CFR835 Part 401(b)
10CFR835 Part 401(c)

11.2.2 Airborne Radioactivity Monitors, Alarms and Surveys
10CFR835 Part 403(a)

11.2.3 Contamination Monitoring and Surveys
10CFR835 Part 404(a)
DOE/EH0256T(940431) Chapter 5, Part 5, Article 554.1
DOE/EH0256T(940431) Chapter 5, Part 5, Article 554.3
DOE/EH0256T(940431) Chapter 5, Part 5, Article 554.6
DOE/EH0256T(940431) Chapter 5, Part 5, Article 554.7

11.2.4 Dose Rate Surveys
10CFR835 Part 403(b)
DOE/EH0256T(940431) Chapter 5, Part 5, Article 552.1
DOE/EH0256T(940431) Chapter 5, Part 5, Article 552.2
DOE/EH0256T(940431) Chapter 5, Part 5, Article 552.3

11.3.1 Personnel Exposure Monitoring
10CFR835 Part 402(a)
10CFR835 Part 402(c)

11.3.2 Exposure Limits
10CFR835 Part 202(a)
10CFR835 Part 204(a)
10CFR835 Part 204(b)
10CFR835 Part 204(c)
10CFR835 Part 204(d)
10CFR835 Part 206(a)
10CFR835 Part 206(b)
10CFR835 Part 206(c)
10CFR835 Part 207
10CFR835 Part 208
10CFR835 Part 209(a)
DOE/EH0256T(940431) Chapter 2, Part 1, Article 213.5
DOE/EH0256T(940431) Chapter 2, Part 1, Article 215.1

11.3.3 Dosimetry Program
10CFR835 Part 205(a)

RP
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	All	All	All	212

10CFR835 Part 205(b)

11.3.4 Calculation Methods/Models
10CFR835 Part 4

11.4.1.1 Access Restrictions
10CFR835 Part 501(a)
10CFR835 Part 501(b)
10CFR835 Part 501(c)
10CFR835 Part 501(e)
10CFR835 Part 502(a)
10CFR835 Part 502(b)
10CFR835 Part 502(c)
DOE/EH0256T(940431) Chapter 2, Part 3, Article 233.1
DOE/EH0256T(940431) Chapter 2, Part 3, Article 233.2
DOE/EH0256T(940431) Chapter 2, Part 3, Article 233.3
DOE/EH0256T(940431) Chapter 3, Part 3, Article 334. 2
DOE/EH0256T(940431) Chapter 3, Part 3, Article 334. 3
DOE/EH0256T(940431) Chapter 3, Part 3, Article 334. 4
DOE/EH0256T(940431) Chapter 3, Part 3, Article 334. 5
DOE/EH0256T(940431) Chapter 3, Part 3, Article 334. 6
DOE/EH0256T(940431) Chapter 3, Part 3, Article 334. 7
DOE/EH0256T(940431) Chapter 3, Part 3, Article 334. 8
DOE/EH0256T(940431) Chapter 3, Part 3, Article 334. 9

11.4.1.2 Posting
10CFR835 Part 404(e)
10CFR835 Part 601(a)
10CFR835 Part 601(b)
10CFR835 Part 601(c)
10CFR835 Part 601(d)
10CFR835 Part 602(a)
10CFR835 Part 603
DOE/EH0256T(940431) Chapter 2, Part 3, Article 233, Introduction
DOE/EH0256T(940431) Chapter 2, Part 3, Article 233.4
DOE/EH0256T(940431) Chapter 2, Part 3, Article 236.1
DOE/EH0256T(940431) Chapter 2, Part 3, Article 236.2
DOE/EH0256T(940431) Chapter 2, Part 3, Article 236.3
DOE/EH0256T(940431) Chapter 2, Part 3, Article 237.1
DOE/EH0256T(940431) Chapter 2, Part 3, Article 237.2
DOE/EH0256T(940431) Chapter 2, Part 3, Article 237.3

11.4.2 Radiation Work Permits
DOE/EH0256T(940431) Chapter 3, Part 2, Article 322.2
DOE/EH0256T(940431) Chapter 3, Part 2, Article 322.3
DOE/EH0256T(940431) Chapter 3, Part 2, Article 322.4
DOE/EH0256T(940431) Chapter 3, Part 2, Article 322.5
DOE/EH0256T(940431) Chapter 3, Part 2, Article 322.6
DOE/EH0256T(940431) Chapter 3, Part 2, Article 322.7
DOE/EH0256T(940431) Chapter 3, Part 2, Article 322.8
DOE/EH0256T(940431) Chapter 3, Part 2, Article 322.9
DOE/EH0256T(940431) Chapter 3, Part 2, Article 323.1
DOE/EH0256T(940431) Chapter 3, Part 2, Article 323.2
DOE/EH0256T(940431) Chapter 3, Part 2, Article 323.3
DOE/EH0256T(940431) Chapter 3, Part 2, Article 323.4

11.5.1 Storage, Labels and Transportation
DOE/EH0256T(940431) Chapter 4, Part 1, Article 414. 1
DOE/EH0256T(940431) Chapter 4, Part 1, Article 414. 2
DOE/EH0256T(940431) Chapter 4, Part 1, Article 414. 4
DOE/EH0256T(940431) Chapter 4, Part 1, Article 414. 5
DOE/EH0256T(940431) Chapter 4, Part 1, Article 414. 6
DOE/EH0256T(940431) Chapter 4, Part 1, Article 414. 7
DOE/EH0256T(940431) Chapter 4, Part 1, Article 414. 8

RP
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	All	All	All	212

DOE/EH0256T(940431) Chapter 4, Part 1, Article 414. 9
DOE/EH0256T(940431) Chapter 4, Part 1, Article 414.10
DOE/EH0256T(940431) Chapter 4, Part 1, Article 414.11
DOE/EH0256T(940431) Chapter 4, Part 1, Article 414.12

11.5.2 Movement of Material
10CFR835 Part 1101
DOE/EH0256T(940431) Chapter 4, Part 2, Article 422.1
DOE/EH0256T(940431) Chapter 4, Part 2, Article 422.2
DOE/EH0256T(940431) Chapter 4, Part 2, Article 422.3
DOE/EH0256T(940431) Chapter 4, Part 2, Article 422.4
DOE/EH0256T(940431) Chapter 4, Part 2, Article 422.5
DOE/EH0256T(940431) Chapter 5, Part 5, Article 554.2
DOE/EH0256T(940431) Chapter 5, Part 5, Article 554.5
DOE5400.5 Chapter II, Section 5.c, Items (1)-(4)

11.5.3 Specific Nuclide Control
DOE/EH0256T(940431) Chapter 3, Part 4, Article 348.2
DOE/EH0256T(940431) Chapter 3, Part 4, Article 348.3
DOE/EH0256T(940431) Chapter 3, Part 4, Article 348.4
DOE/EH0256T(940431) Chapter 3, Part 4, Article 348.5
DOE/EH0256T(940431) Chapter 3, Part 4, Article 348.6
DOE/EH0256T(940431) Chapter 3, Part 4, Article 348.7

11.5.4 Sealed Source Management
DOE/EH0256T(940431) Chapter 4, Part 3, Article 431.1
DOE/EH0256T(940431) Chapter 4, Part 3, Article 431.2
DOE/EH0256T(940431) Chapter 4, Part 3, Article 431.3
DOE/EH0256T(940431) Chapter 4, Part 3, Article 431.4

11.6.1.1 Personnel Contamination Monitoring
10CFR835 Part 404(f)
DOE/EH0256T(940431) Chapter 3, Part 3, Article 338.1
DOE/EH0256T(940431) Chapter 3, Part 3, Article 338.2
DOE/EH0256T(940431) Chapter 3, Part 3, Article 338.3
DOE/EH0256T(940431) Chapter 3, Part 3, Article 338.4
DOE/EH0256T(940431) Chapter 3, Part 3, Article 338.5
DOE/EH0256T(940431) Chapter 3, Part 3, Article 338.7
DOE/EH0256T(940431) Chapter 3, Part 3, Article 338.8
DOE/EH0256T(940431) Chapter 5, Part 4, Article 541.2

11.6.1.2 Personnel Contamination Control
10CFR835 Part 404(g)
DOE/EH0256T(940431) Chapter 3, Part 4, Article 342.11
DOE/EH0256T(940431) Chapter 5, Part 4, Article 542.1
DOE/EH0256T(940431) Chapter 5, Part 4, Article 542.2

11.6.1.3 Equipment and Area Contamination Control
10CFR835 Part 404(b)
10CFR835 Part 404(c)
10CFR835 Part 404(d)
DOE/EH0256T(940431) Chapter 1, Part 2, Article 125.10
DOE/EH0256T(940431) Chapter 2, Part 2, Article 222.3
DOE/EH0256T(940431) Chapter 2, Part 2, Article 222.6
DOE/EH0256T(940431) Chapter 2, Part 2, Article 222.7
DOE/EH0256T(940431) Chapter 3, Part 3, Article 337.1
DOE/EH0256T(940431) Chapter 3, Part 3, Article 337.2
DOE/EH0256T(940431) Chapter 3, Part 3, Article 337.3
DOE/EH0256T(940431) Chapter 3, Part 3, Article 337.4
DOE/EH0256T(940431) Chapter 3, Part 4, Article 342. 2
DOE/EH0256T(940431) Chapter 3, Part 4, Article 342. 3
DOE/EH0256T(940431) Chapter 3, Part 4, Article 342. 4
DOE/EH0256T(940431) Chapter 3, Part 4, Article 342. 5
DOE/EH0256T(940431) Chapter 3, Part 7, Article 372.1

RP
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	All	All	All	212

DOE/EH0256T(940431) Chapter 3, Part 7, Article 372.2
DOE/EH0256T(940431) Chapter 3, Part 7, Article 372.3

11.6.2 Personnel, Equipment and Area Decontamination
DOE/EH0256T(940431) Chapter 2, Part 2, Article 222.2
DOE/EH0256T(940431) Chapter 3, Part 4, Article 342. 1
DOE/EH0256T(940431) Chapter 3, Part 4, Article 342.10
DOE/EH0256T(940431) Chapter 4, Part 6, Article 463.7
DOE/EH0256T(940431) Chapter 5, Part 4, Article 541.3
DOE/EH0256T(940431) Chapter 5, Part 4, Article 541.4

11.6.4 Source Containment, Confinement, and Ventilation Control
DOE/EH0256T(940431) Chapter 4, Part 5, Article 453.2
DOE/EH0256T(940431) Chapter 4, Part 5, Article 453.3

11.8.3 Protective Clothing
DOE/EH0256T(940431) Chapter 3, Part 2, Article 325.1
DOE/EH0256T(940431) Chapter 3, Part 2, Article 325.2
DOE/EH0256T(940431) Chapter 3, Part 2, Article 325.3
DOE/EH0256T(940431) Chapter 3, Part 2, Article 325.4
DOE/EH0256T(940431) Chapter 3, Part 2, Article 325.5
DOE/EH0256T(940431) Chapter 3, Part 2, Article 325.6
DOE/EH0256T(940431) Chapter 3, Part 2, Article 325.7
DOE/EH0256T(940431) Chapter 3, Part 2, Article 325.8
DOE/EH0256T(940431) Chapter 4, Part 6, Article 462.6

11.8.4 Equipment Maintenance and Calibration
DOE/EH0256T(940431) Chapter 5, Part 6, Article 562.8
DOE/EH0256T(940431) Chapter 5, Part 6, Article 563.3

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RP
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
No	All	All	Not Marked	1

11.8.4 Equipment Maintenance and Calibration
DOE/EH0256T(940431) Chapter 5, Part 6, Article 564.1

NA

SRID Element	Location	Applicable Incorporated Implementing Manuals		
11.1 Program Management	10CFR835 Part 102	A Incorp	NEW_WHC-SD-WM-TA-177	ALL
11.1.1 Exposure Reduction and ALARA	10CFR835 Part 1001(a)	A Incorp	HSRCM-1	CHAPTER 3 311
				CHAPTER 3 312
				CHAPTER 3 316
			WHC-CM-4-14 PART 2	3.6 Para 2.1
			WHC-SP-1145	Entire Document X, 188
				Entire Document X, 188
				Entire Document X, 189
				Entire Document X, 189
				Entire Document X, 190
				Entire Document X, 190
	10CFR835 Part 1001(b)	A Incorp	HSRCM-1	CHAPTER 3 316
				CHAPTER 3 Chap 3, Part 1 para 311
			WHC-SP-1145	Entire Document X, 191
	10CFR835 Part 1003(a)	A Incorp	HSRCM-1	CHAPTER 1 111
				CHAPTER 1 128
				CHAPTER 1 Chap 1, Part 2 para H-128.1
				CHAPTER 2 213

SRID Element	Location	Applicable Incorporated Implementing Manuals		
				CHAPTER 2 Table 2-1
			WHC-SP-1145	Entire Document X, 199
				Entire Document X, 200
				Entire Document X, 201
	DOE/EH0256T(940431) Chapter 3, Part 1, Article 311	A Incorp	HSRCM-1	CHAPTER 3 311
				CHAPTER 3 Chap 3, Part 1 para 311
			WHC-CM-4-14	2.4 Para 2.2.1(4)
11.1.1.1 Exposure Controls	DOE/EH0256T(940431) Chapter 3, Part 1, Article 314.1	A Incorp	HSRCM-1	CHAPTER 3 314.1
			WHC-CM-4-14 PART 2	3.5 Para 2.2.1(2)
	DOE/EH0256T(940431) Chapter 3, Part 1, Article 314.2	A Incorp	HSRCM-1	CHAPTER 3 314.2
			WHC-CM-4-14 PART 2	3.5 Para 2.1
	DOE/EH0256T(940431) Chapter 3, Part 1, Article 314.3	A Incorp	HSRCM-1	CHAPTER 3 314.3
			WHC-CM-4-14 PART 2	3.2 Para 2.1
				3.5 Para 2.3.1(8)
	DOE/EH0256T(940431) Chapter 3, Part 1, Article 314.4	A Incorp	HSRCM-1	CHAPTER 3 314.4
			WHC-CM-4-14 PART 2	3.5 Para 2.3.1(7)
	DOE/EH0256T(940431) Chapter 3, Part 1, Article 314.5	A Incorp	HSRCM-1	CHAPTER 3 314.5
			WHC-CM-4-14 PART 2	3.5 Para 2.3.1(4)
				3.8 Para 2.3.9(i)
	DOE/EH0256T(940431) Chapter 3, Part 1, Article 314.6	A Incorp	HSRCM-1	CHAPTER 3 314.6
			WHC-CM-4-14 PART 2	3.5 Para 2.3.1(10)
	DOE/EH0256T(940431) Chapter 3, Part 4, Article 342. 8	A Incorp	HSRCM-1	CHAPTER 3 342.8
				CHAPTER 3 Chap 3, Part 4 para 342 (8)

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE/EH0256T(940431) Chapter 3, Part 4, Article 343.1	A Incorp	HSRCM-1	CHAPTER 3 343.1
				CHAPTER 3 Chap 3, Part 4 para 343 (1)
	DOE/EH0256T(940431) Chapter 3, Part 4, Article 343.3	A Incorp	HSRCM-1	CHAPTER 3 343.3
				CHAPTER 3 Chap 3, Part 4 para 343 (2)
	DOE/EH0256T(940431) Chapter 3, Part 4, Article 343.4	A Incorp	HSRCM-1	CHAPTER 3 343.4
				CHAPTER 3 Chap 3, Part 4 para 343 (3)
11.1.1.2 Radiological Work Planning	DOE/EH0256T(940431) Chapter 3, Part 1, Article 312.1	A Incorp	HSRCM-1	CHAPTER 3 312.1
			WHC-CM-4-14	2.4 Para 2.3.2
	DOE/EH0256T(940431) Chapter 3, Part 1, Article 312.2	A Incorp	HSRCM-1	CHAPTER 3 312.2
			WHC-CM-4-14	2.4 Para 2.1(2)
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11.1.1.3 ALARA Reviews	DOE/EH0256T(940431) Chapter 3, Part 1, Article 312.4	A Incorp	HSRCM-1	CHAPTER 3 312.4
	DOE/EH0256T(940431) Chapter 3, Part 1, Article 312.5	A Incorp	HSRCM-1	CHAPTER 3 312.5
11.1.1.5 ALARA Committee and Staffing	DOE/EH0256T(940431) Chapter 1, Part 3, Article 138	A Incorp	HSRCM-1	CHAPTER 1 138
			WHC-IP-1043	Entire Document 5.0, 2.3.2
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11.1.1.6 Dose Tracking and Trending	DOE/EH0256T(940431) Chapter 3, Part 4, Article 344.3	A Incorp	HSRCM-1	CHAPTER 3 344.4
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11.1.3 RP Selection and Qualification	DOE/EH0256T(940431) Chapter 6, Part 4, Article 641	A Incorp	HSRCM-1	CHAPTER 6 641
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11.1.4 Radiological Program Performance Goals	DOE/EH0256T(940431) Chapter 1, Part 2, Article 121. 9	A Incorp	HSRCM-1	CHAPTER 1 121.9
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				CHAPTER 1 Chap 1, Part 3 para 133 (1)
11.1.5 Program Policy and Procedures	10CFR835 Part 501(d)	A Incorp	HSRCM-1	CHAPTER 3 334.10
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			WHC-CM-4-14	1.2 Para 2.2.3(3)
11.1.6 Policy for Response to Abnormal Situations	DOE/EH0256T(940431) Chapter 3, Part 4, Article 345.1	A Incorp	HSRCM-1	CHAPTER 3 345.1
			WHC-CM-4-14 PART 2	4.3 Para 2.2.3
	DOE/EH0256T(940431) Chapter 3, Part 4, Article 345.3	A Incorp	HSRCM-1	CHAPTER 3 345.3
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	DOE/EH0256T(940431) Chapter 7, Part 1, Article 713.3	A	Incorp	HSRCM-1
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11.1.7.1 Survey Records/Radiological Work Control Records	10CFR835 Part 703	A	Incorp	HSRCM-1
				CHAPTER 4 421
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11.1.7.3 Miscellaneous Radiation Protection Records	10CFR835 Part 704(c)	A Incorp	HSRCM-1	CHAPTER 7 743
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11.2.3 Contamination Monitoring and Surveys	10CFR835 Part 404(a)	A Incorp	HSRCM-1	CHAPTER 5 554
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11.2.4 Dose Rate Surveys	10CFR835 Part 403(b)	A Incorp	HSRCM-1	CHAPTER 5 551
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	DOE/EH0256T(940431) Chapter 2, Part 3, Article 237.3	A Incorp	HSRCM-1	CHAPTER 2 237.3	
				CHAPTER 2 237.4	
			WHC-CM-4-14 PART 2	3.8 Para 2.3.17(3)	
11.4.2 Radiation Work Permits	DOE/EH0256T(940431) Chapter 3, Part 2, Article 322.2	A Incorp	HSRCM-1	CHAPTER 3 322.2	
				CHAPTER 3 Chap 3, Part 2 para 322 (2)	
			WHC-CM-4-14	2.4 Para 1.1	
				2.4 Para 2.1(3)(a)	
	DOE/EH0256T(940431) Chapter 3, Part 2, Article 322.3	A Incorp	HSRCM-1	CHAPTER 3 322.3	
				CHAPTER 3 Chap 3, Part 2 para 322 (3)	
			WHC-CM-4-14	2.4 Para 2.1 (3)	
	DOE/EH0256T(940431) Chapter 3, Part 2, Article 322.4	A Incorp	HSRCM-1	CHAPTER 3 322.4	
				CHAPTER 3 Chap 3, Part 2 para 322 (4)	
			WHC-CM-4-14	2.4 Para 2.1 (2)	
	DOE/EH0256T(940431) Chapter 3, Part 2, Article 322.5	A Incorp	HSRCM-1	CHAPTER 3 322.5	
				CHAPTER 3 Chap 3, Part 2 para 322 (5)	
			WHC-CM-4-14	2.4 Para 2.1(5)	

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE/EH0256T(940431) Chapter 3, Part 2, Article 322.6	A Incorp	HSRCM-1	CHAPTER 3 322.6
				CHAPTER 3 Chap 3, Part 2 para 322 (6)
			WHC-CM-4-14	2.4 Para 2.4 (7)
	DOE/EH0256T(940431) Chapter 3, Part 2, Article 322.7	A Incorp	HSRCM-1	CHAPTER 3 322.7
				CHAPTER 3 Chap 3, Part 2 para 322 (7)
			WHC-CM-4-14	2.4 Para 2.1 (8)
	DOE/EH0256T(940431) Chapter 3, Part 2, Article 322.8	A Incorp	HSRCM-1	CHAPTER 3 322.8
				CHAPTER 3 Chap 3, Part 2 para 322 (8)
			WHC-CM-4-14	2.4 Para 2.1 (9)
	DOE/EH0256T(940431) Chapter 3, Part 2, Article 322.9	A Incorp	HSRCM-1	CHAPTER 3 322.9
				CHAPTER 3 Chap 3, Part 2 para 322 (9)
			WHC-CM-4-14	2.4 Para 2.1 (10)
	DOE/EH0256T(940431) Chapter 3, Part 2, Article 323.1	A Incorp	HSRCM-1	CHAPTER 3 323.1
			WHC-CM-4-14	2.4 Para 2.1.1(3)
	DOE/EH0256T(940431) Chapter 3, Part 2, Article 323.2	A Incorp	HSRCM-1	CHAPTER 3 323.2
			WHC-CM-4-14	2.4
				2.4 Para 2.1(1)
	DOE/EH0256T(940431) Chapter 3, Part 2, Article 323.3	A Incorp	HSRCM-1	CHAPTER 3 323.3
			WHC-CM-4-14	2.4 Para 2.1 (4)
	DOE/EH0256T(940431) Chapter 3, Part 2, Article 323.4	A Incorp	HSRCM-1	CHAPTER 3 323.4
			WHC-CM-4-14	2.4 Para 2.2.3(1)
1.5.1 Storage, Labels and transportation	DOE/EH0256T(940431) Chapter 4, Part 1, Article 414. 1	A Incorp	HSRCM-1	CHAPTER 4 414.1
				CHAPTER 4 Chap 4, Part 1 para 414 (1)
	DOE/EH0256T(940431) Chapter 4, Part 1, Article 414. 2	A Incorp	HSRCM-1	CHAPTER 4 414.2
			WHC-CM-4-14 PART 2	3.7 Para 2.2.1(2)(a)

SRID Element	Location	[illegible]plicable Incorporated	Implementing Manuals	
	DOE/EH0256T(940431) Chapter 4, Part 1, Article 414. 4	A Incorp	HSRCM-1	CHAPTER 4 414.4
			WHC-CM-4-14 PART 2	3.7 Para 2.2.3
				3.7 Para 2.3.2(2)
	DOE/EH0256T(940431) Chapter 4, Part 1, Article 414. 5	A Incorp	HSRCM-1	CHAPTER 4 414.5
			WHC-CM-4-14 PART 2	3.7 Para 2.3.2(1)(d)
				3.7 Para 2.3.2(3)(b)
				3.7 Para 2.3.2(4)(a)
	DOE/EH0256T(940431) Chapter 4, Part 1, Article 414. 6	A Incorp	HSRCM-1	CHAPTER 4 414.6
			WHC-CM-4-14 PART 2	3.7 Para 2.3.2(4)(c)
	DOE/EH0256T(940431) Chapter 4, Part 1, Article 414. 7	A Incorp	HSRCM-1	CHAPTER 4 414.7
			WHC-CM-4-14 PART 2	3.7 Para 2.3.2(4)(b)
	DOE/EH0256T(940431) Chapter 4, Part 1, Article 414. 8	A Incorp	HSRCM-1	CHAPTER 4 414.8
			WHC-CM-4-14 PART 2	3.7 Para 2.1
	DOE/EH0256T(940431) Chapter 4, Part 1, Article 414. 9	A Incorp	HSRCM-1	CHAPTER 4 414.9
			WHC-CM-4-14 PART 2	3.7 Para 2.2.1(3)(a)
				3.7 Para 2.2.1(3)(b)
				3.7 Para 2.3.2(4)(c)

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE/EH0256T(940431) Chapter 4, Part 1, Article 414.10	A Incorp	HSRCM-1	CHAPTER 4 414.10
			WHC-CM-4-14 PART 2	3.7 Para 2.3.1(1)(c)
	DOE/EH0256T(940431) Chapter 4, Part 1, Article 414.11	A Incorp	HSRCM-1	CHAPTER 4 414.11
			WHC-CM-4-14 PART 2	3.7 Para 2.3.1(1)(e)
	DOE/EH0256T(940431) Chapter 4, Part 1, Article 414.12	A Incorp	HSRCM-1	CHAPTER 4 414.12
			WHC-CM-4-14 PART 2	3.7 Para 2.2.1(4)
11.5.2 Movement of Material	10CFR835 Part 1101	A Incorp	HSRCM-1	CHAPTER 4 411
				CHAPTER 4 412
				CHAPTER 4 413
				CHAPTER 4 421
				CHAPTER 5 551
				CHAPTER 5 554
			WHC-CM-4-14 PART 2	3.6 Para 2.15.4
			WHC-IP-0718	3.1.1 Para 1.3
			WHC-SP-1145	Entire Document X, 203
				Entire Document X, 204
				Entire Document X, 205
				Entire Document X, 206
				Entire Document X, 207
				Entire Document X, 208
				Entire Document X, 209
	DOE/EH0256T(940431) Chapter 4, Part 2, Article 422.1	A Incorp	HSRCM-1	CHAPTER 4 422.1
				CHAPTER 4 Chap 4, Part 2 para 422.1
	DOE/EH0256T(940431) Chapter 4, Part 2, Article 422.2	A Incorp	HSRCM-1	CHAPTER 4 422.2
				CHAPTER 4 Chap 4, Part 2 para 422.2

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE/EH0256T(940431) Chapter 4, Part 2, Article 422.3	A Incorp	HSRCM-1	CHAPTER 4 422.3
				CHAPTER 4 Chap 4, Part 2 para 422.3
	DOE/EH0256T(940431) Chapter 4, Part 2, Article 422.4	A Incorp	HSRCM-1	CHAPTER 4 422.4
				CHAPTER 4 Chap 4, Part 2 para 422.4
	DOE/EH0256T(940431) Chapter 4, Part 2, Article 422.5	A Incorp	HSRCM-1	CHAPTER 4 422.5
				CHAPTER 4 Chap 4, Part 2 para 422.5
	DOE/EH0256T(940431) Chapter 5, Part 5, Article 554.2	A Incorp	HSRCM-1	CHAPTER 5 554.2
				CHAPTER 5 Chapt 5, Part 5 para 554 (2)
	DOE/EH0256T(940431) Chapter 5, Part 5, Article 554.5	A Incorp	HSRCM-1	CHAPTER 5 554.5
				CHAPTER 5 Chapt 5, Part 5 para 554 (5)
	DOE5400.5 Chapter II, Section 5.c, Items (1)-(4)	A Incorp	HSRCM-1	CHAPTER 2 221
				CHAPTER 2 222
				CHAPTER 2 Table 2-2
				CHAPTER 4 421
				CHAPTER 4 422
				CHAPTER 4 Chap 4, Part 2 para 421 (1)
				CHAPTER 5 554
				CHAPTER 5 Chapt 5, Part 5 para 554 (4)
			WHC-IP-0718	3.1.1 Para 1.3
1.5.3 Specific Nuclide Control	DOE/EH0256T(940431) Chapter 3, Part 4, Article 348.2	A Incorp	HSRCM-1	CHAPTER 3 348.2
			WHC-CM-4-14 PART 2	3.6 Para 2.7.1
	DOE/EH0256T(940431) Chapter 3, Part 4, Article 348.3	A Incorp	HSRCM-1	CHAPTER 3 348.3
			WHC-CM-4-14 PART 2	3.6 Para 2.7.2
	DOE/EH0256T(940431) Chapter 3, Part 4, Article 348.4	A Incorp	HSRCM-1	CHAPTER 3 348.4
			WHC-CM-4-14 PART 2	3.6 Para 2.7.5
	DOE/EH0256T(940431) Chapter 3, Part 4, Article 348.5	A Incorp	HSRCM-1	CHAPTER 3 348.5
			WHC-CM-4-14	2.4 Para 2.1(3)(b)
				2.4 Para 2.1(4)
			WHC-CM-4-14 PART 2	3.6 Para 2.7.6

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE/EH0256T(940431) Chapter 3, Part 4, Article 348.6	A Incorp	HSRCM-1	CHAPTER 3 348.6
			WHC-CM-4-14 PART 2	3.6 Para 2.7.7
	DOE/EH0256T(940431) Chapter 3, Part 4, Article 348.7	A Incorp	HSRCM-1	CHAPTER 3 348.7
			WHC-CM-4-14 PART 2	3.6 Para 2.7.8
11.5.4 Sealed Source Management	DOE/EH0256T(940431) Chapter 4, Part 3, Article 431.1	A Incorp	HSRCM-1	CHAPTER 4 431.1
				CHAPTER 4 Chap 4, Part 3 para 431 (1)
	DOE/EH0256T(940431) Chapter 4, Part 3, Article 431.2	A Incorp	HSRCM-1	CHAPTER 4 431.2
				CHAPTER 4 Chap 4, Part 3 para 431 (2)
	DOE/EH0256T(940431) Chapter 4, Part 3, Article 431.3	A Incorp	HSRCM-1	CHAPTER 4 431.3
				CHAPTER 4 Chap 4, Part 3 para 431 (3)
			WHC-CM-4-14	2.3 Para 2.3.4(1)
	DOE/EH0256T(940431) Chapter 4, Part 3, Article 431.4	A Incorp	HSRCM-1	CHAPTER 4 431.4
				CHAPTER 4 Chap 4, Part 3 para 431 (4)
11.6.1.1 Personnel Contamination Monitoring	10CFR835 Part 404(f)	A Incorp	HSRCM-1	CHAPTER 2 221
				CHAPTER 3 338
			WHC-CM-4-14 PART 2	3.6 Para 2.9.8
			WHC-SP-1145	Entire Document X, 97
	DOE/EH0256T(940431) Chapter 3, Part 3, Article 338.1	A Incorp	HSRCM-1	CHAPTER 3 338.1
				CHAPTER 3 Chap 3, Part 3 para 338 (1)
			WHC-CM-4-14 PART 2	3.6 Para 2.10.2
			WHC-IP-0718	3.1 Para 1.3

SRID Element	Location	[illegible]plicable Incorporated Implementing Manuals		
	DOE/EH0256T(940431) Chapter 3, Part 3, Article 338.2	A Incorp	HSRCM-1	CHAPTER 3 338.2
			WHC-CM-4-14 PART 2	3.6 Para 2.10.2
	DOE/EH0256T(940431) Chapter 3, Part 3, Article 338.3	A Incorp	HSRCM-1	CHAPTER 3 338.3
			WHC-CM-4-14 PART 2	3.6 Para 2.10.1
			WHC-IP-0718	3.1.1 Para 5.1
	DOE/EH0256T(940431) Chapter 3, Part 3, Article 338.4	A Incorp	HSRCM-1	CHAPTER 3 338.4
			WHC-CM-4-14 PART 2	3.6 Para 2.10.1
	DOE/EH0256T(940431) Chapter 3, Part 3, Article 338.5	A Incorp	HSRCM-1	CHAPTER 3 338.5
			WHC-CM-4-14 PART 2	3.6 Para 2.10.5
	DOE/EH0256T(940431) Chapter 3, Part 3, Article 338.7	A Incorp	HSRCM-1	CHAPTER 3 338.7
			WHC-CM-4-14 PART 2	3.6 Para 2.10.3
	DOE/EH0256T(940431) Chapter 3, Part 3, Article 338.8	A Incorp	HSRCM-1	CHAPTER 3 338.8
			WHC-CM-4-14 PART 2	3.6 Para 2.10.4
				3.8 Para 2.3.8(1)
	DOE/EH0256T(940431) Chapter 5, Part 4, Article 541.2	A Incorp	HSRCM-1	CHAPTER 5 541.2
				CHAPTER 5 Chapt 5, Part 4 para 541 (2)
			WHC-CM-4-16	1.2 Para 5.1.1

SRID Element	Location	[illegible]pplicable Incorporated Implementing Manuals		
11.6.1.2 Personnel Contamination Control	10CFR835 Part 404(g)	A Incorp	HSRCM-1	CHAPTER 3 325
				CHAPTER 3 335
			WHC-CM-4-14 PART 2	3.6 Para 2.9.2
			WHC-SP-1145	Entire Document X, 98
	DOE/EH0256T(940431) Chapter 3, Part 4, Article 342.11	A Incorp	HSRCM-1	CHAPTER 3 342.11
			WHC-CM-4-14 PART 2	3.6 Para 2.12.6
	DOE/EH0256T(940431) Chapter 5, Part 4, Article 542.1	A Incorp	HSRCM-1	CHAPTER 5 542.1
			WHC-CM-4-14 PART 2	3.6 Para 2.11.2(1)
				3.6 Para 2.11.2(2)
	DOE/EH0256T(940431) Chapter 5, Part 4, Article 542.2	A Incorp	HSRCM-1	CHAPTER 5 542.2
			WHC-CM-4-14 PART 2	3.6 Para 2.11.2(3)
11.6.1.3 Equipment and Area Contamination Control	10CFR835 Part 404(b)	A Incorp	HSRCM-1	CHAPTER 3 331
				CHAPTER 3 337
				CHAPTER 3 341
				CHAPTER 3 342
				CHAPTER 5 551
				CHAPTER 5 552
			WHC-CM-4-14 PART 2	3.6 Para 1.0

SRID Element	Location	[illegible]plicable Incorporated Implementing Manuals		
			WHC-SP-1145	Entire Document X, 87
	10CFR835 Part 404(c)	A Incorp	HSRCM-1	CHAPTER 2 222
				CHAPTER 2 H222.1b
			WHC-CM-4-14 PART 2	3.6 Para 2.2.3
				3.8 Para 2.3.14(1)
			WHC-SP-1145	Entire Document X, 88
				Entire Document X, 89
	10CFR835 Part 404(d)	A Incorp	HSRCM-1	CHAPTER 2 222
				CHAPTER 5 551
			WHC-CM-4-14 PART 2	4.5 Para 2.4.4
				4.5 Para 2.6.1
				4.5 Para 2.6.3
			WHC-SP-1145	Entire Document X, 90
				Entire Document X, 91
				Entire Document X, 92
				Entire Document X, 93
				Entire Document X, 94
				Entire Document X, 95

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE/EH0256T(940431) Chapter 1, Part 2, Article 125.10	A Incorp	WHC-CM-4-14 PART 2	3.6 Para 2.5.1
	DOE/EH0256T(940431) Chapter 2, Part 2, Article 222.3	A Incorp	HSRCM-1	CHAPTER 2 222.3
			WHC-CM-4-14 PART 2	4.5 Para 2.3.3
				4.5 Para 2.4.4
				4.5 Para 2.6.2
				4.5 Para 2.7.1(1)
	DOE/EH0256T(940431) Chapter 2, Part 2, Article 222.6	A Incorp	HSRCM-1	CHAPTER 1 Chap 1, Part 2 para 222.6 (a) CHAPTER 2 222.6
	DOE/EH0256T(940431) Chapter 2, Part 2, Article 222.7	A Incorp	HSRCM-1	CHAPTER 2 222.7
			WHC-CM-4-14 PART 2	3.6 Para 2.6.4
				3.8 Para 2.3.14(5)(a)
				4.5 Para 2.6.3
	DOE/EH0256T(940431) Chapter 3, Part 3, Article 337.1	A Incorp	HSRCM-1	CHAPTER 3 337.1
			WHC-CM-4-14 PART 2	3.6 Para 2.6.6
	DOE/EH0256T(940431) Chapter 3, Part 3, Article 337.2	A Incorp	HSRCM-1	CHAPTER 3 337.2
			WHC-CM-4-14 PART 2	3.6 Para 2.6.10

Location		Applicable Incorporated Implementing Manuals	
DOE/EH0256T(940431) Chapter 3, Part 3, Article 337.3	A Incorp	HSRCM-1	CHAPTER 3 337.3
		WHC-CM-4-14 PART 2	3.6 Para 2.6.9
DOE/EH0256T(940431) Chapter 3, Part 3, Article 337.4	A Incorp	HSRCM-1	CHAPTER 3 337.4
		WHC-CM-4-14 PART 2	3.6 Para 2.13
DOE/EH0256T(940431) Chapter 3, Part 4, Article 342. 2	A Incorp	HSRCM-1	CHAPTER 3 342.2
		WHC-CM-4-14 PART 2	3.6 Para 2.12.3
DOE/EH0256T(940431) Chapter 3, Part 4, Article 342. 3	A Incorp	HSRCM-1	CHAPTER 3 342.3
		WHC-CM-4-14 PART 2	3.6 Para 2.16.2
			3.6 Para 2.16.7(4)
			3.6 Para 2.4.3
DOE/EH0256T(940431) Chapter 3, Part 4, Article 342. 4	A Incorp	HSRCM-1	CHAPTER 3 342.4
		WHC-CM-4-14 PART 2	3.5 Para 2.3.1
			3.6 Para 2.13.1
DOE/EH0256T(940431) Chapter 3, Part 4, Article 342. 5	A Incorp	HSRCM-1	CHAPTER 3 342.5
		WHC-CM-4-14 PART 2	3.6 Para 2.6.10
DOE/EH0256T(940431) Chapter 3, Part 7, Article 372.1	A Incorp	HSRCM-1	CHAPTER 3 372.1
		WHC-CM-4-14 PART 2	3.6 Para 2.2.4

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE/EH0256T(940431) Chapter 3, Part 7, Article 372.2	A Incorp	HSRCM-1	CHAPTER 3 372.2
			WHC-CM-4-14 PART 2	3.6 Para 2.6.7
	DOE/EH0256T(940431) Chapter 3, Part 7, Article 372.3	A Incorp	HSRCM-1	CHAPTER 3 372.3
			WHC-CM-4-14 PART 2	3.6 Para 2.12.4
11.6.2 Personnel, Equipment and Area Decontamination	DOE/EH0256T(940431) Chapter 2, Part 2, Article 222.2	A Incorp	HSRCM-1	CHAPTER 2 222.2
			WHC-CM-4-14 PART 2	4.5 Para 2.4.1
	DOE/EH0256T(940431) Chapter 3, Part 4, Article 342. 1	A Incorp	HSRCM-1	CHAPTER 3 342.1
			WHC-CM-4-14 PART 2	3.6 Para 2.5.6
	DOE/EH0256T(940431) Chapter 3, Part 4, Article 342.10	A Incorp	HSRCM-1	CHAPTER 3 342.10
			WHC-CM-4-14	1.2 Para 2.1.1
			WHC-CM-4-14 PART 2	3.6 Para 2.5.2
	DOE/EH0256T(940431) Chapter 4, Part 6, Article 463.7	A Incorp	HSRCM-1	CHAPTER 4 463.7
			WHC-CM-4-14	1.2 Para 2.1.1(1)
			WHC-CM-4-14 PART 2	3.6 Para 2.5.3(3)
	DOE/EH0256T(940431) Chapter 5, Part 4, Article 541.3	A Incorp	HSRCM-1	CHAPTER 5 541.3
				CHAPTER 5 541.3
				CHAPTER 5 Chapt 5, Part 4 para 541 (3)
			WHC-CM-4-14 PART 2	3.6 Para 2.11.1(2)

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE/EH0256T(940431) Chapter 5, Part 4, Article 541.4	A Incorp	HSRCM-1	CHAPTER 5 541.4
			WHC-CM-4-14 PART 2	3.6 Para 2.11.1(3)
			WHC-IP-0718	ER-03 Para 5.5.1
11.6.4 Source Containment, Confinement, and Ventilation Control	DOE/EH0256T(940431) Chapter 4, Part 5, Article 453.2	A Incorp	HSRCM-1	CHAPTER 4 453.2
				CHAPTER 4 Chap 4, Part 5 para 453 (2)
	DOE/EH0256T(940431) Chapter 4, Part 5, Article 453.3	A Incorp	HSRCM-1	CHAPTER 4 453.3
				CHAPTER 4 Chap 4, Part 5 para 453 (3)
11.8.3 Protective Clothing	DOE/EH0256T(940431) Chapter 3, Part 2, Article 325.1	A Incorp	HSRCM-1	CHAPTER 3 325.1
				CHAPTER 3 Chap 3, Part 2 para 325 (1)
	DOE/EH0256T(940431) Chapter 3, Part 2, Article 325.2	A Incorp	HSRCM-1	CHAPTER 3 325.2
				CHAPTER 3 Chap 3, Part 2 para 325 (2)
	DOE/EH0256T(940431) Chapter 3, Part 2, Article 325.3	A Incorp	HSRCM-1	CHAPTER 3 325.3
				CHAPTER 3 Chap 3, Part 2 para 325 (3)
	DOE/EH0256T(940431) Chapter 3, Part 2, Article 325.4	A Incorp	HSRCM-1	CHAPTER 3 325.4
				CHAPTER 3 Chap 3, Part 2 para 325 (4)
	DOE/EH0256T(940431) Chapter 3, Part 2, Article 325.5	A Incorp	HSRCM-1	CHAPTER 3 325.5
				CHAPTER 3 Chap 3, Part 2 para 325 (5)
	DOE/EH0256T(940431) Chapter 3, Part 2, Article 325.6	A Incorp	HSRCM-1	CHAPTER 3 325.6
				CHAPTER 3 Chap 3, Part 2 para 325 (6)
			WHC-CM-4-14 PART 2	3.8 Para2.3.8(1)

SRID Element	Location	Applicable Incorporated Implementing Manuals	
	DOE/EH0256T(940431) Chapter 3, Part 2, Article 325.7	A Incorp HSRCM-1	CHAPTER 3 325.7 CHAPTER 3 Chap 3, Part 2 para 325 (7)
	DOE/EH0256T(940431) Chapter 3, Part 2, Article 325.8	A Incorp HSRCM-1	CHAPTER 3 325.8 CHAPTER 3 Chap 3, Part 2 para 325 (8)
	DOE/EH0256T(940431) Chapter 4, Part 6, Article 462.6	A Incorp HSRCM-1	CHAPTER 4 462.6
11.8.4 Equipment Maintenance and Calibration	DOE/EH0256T(940431) Chapter 5, Part 6, Article 562.8	A Incorp HSRCM-1	CHAPTER 5 Chapt 5, Part 6 para 562(8)
	DOE/EH0256T(940431) Chapter 5, Part 6, Article 563.3	A Incorp HSRCM-1	CHAPTER 5 Chapt 5, Part 6 para 563 (3)

3.12 Fire Protection

Fire Protection

1.0 INTRODUCTION

The Construction Program functional area is comprised of five (5) functional area elements and includes 159 individual requirement statements. The evaluation was completed by Charlotte Zaconne reporting to Dick Nicklas when the assessment was done and the report was completed by Eric Biebesheimer reporting to Cynthia Day-Phalen, the Manager of Support Services and Business Improvements.

The five functional area elements contained requirements and were evaluated: Management and Administration, Fire Protection Program, Fire Hazard Analysis, Fire Prevention, and Assessments. The assessment process evaluated whether existing manuals and documentation implemented the requirements under assessment. Individual manuals and documentation used as evidence as are identified in the data bases in the ERMI computer program. The manuals and documentation listed in the data bases represent the evidence necessary to demonstrate the implementation status of the individual requirement.

The results of the completed assessment indicate that all but one of the Tank Farm S/RID requirements for the Fire Protection Functional Area are implemented in WHC controlled Manuals, Procedures, or Documents. The one remaining requirement was judged to be not applicable.

2.0 SUMMARY

Within the Fire Protection functional area, 159 individual requirements were evaluated. Of these, 156 were evaluated as being implemented in controlled procedures, while one was evaluated as being not applicable.

The following documents were evaluated and determined to implement the Fire Protection S/RID Requirements: Management Requirements and Procedures (WHC-CM-1-3), Fire Protection Program Manual (WHC-CM-4-41), Emergency Management Procedures (WHC-CM-4-43), Standard Engineering Procedures (WHC-CM-6-1), Engineering Practice Guidelines (WHC-IP-1026 (Appendix D)), Environmental Compliance (WHC-CM-7-5), TWRS Administrative Procedures (WHC-IP-0842, Volume 1, Section 4.4, Process Memos)

3.0 DETAILED RESULTS

As noted earlier, this functional area has five elements containing requirements. Management and Administration (12.1) contains requirements dealing with policy and procedures, authority and responsibilities, and staffing and training. Fire Protection Program (12.2) has requirements

dealing with fire protection suppression systems, water supply and distribution systems, passive fire protection, and life saving. Fire Hazard Analysis (12.3) has requirements dealing with various aspects of this element's requirements . Fire Prevention (12.4) has requirements dealing with design performance objectives, combustion control, electrical systems, exhaust and ventilation systems, lighting protection, seismic requirements, and safety class equipment . Assessment (12.6) has requirements dealing with fire protection investigation and reporting, control of fire protection impairments.

Table 3.1 Fire Protection S/RID Element Status follows and shows each element along with its status as being "incorporated" (INC) or "discrepant" (DIS). Any items marked "DIS" are discussed in paragraph 4.0 Discrepancies.

The number of requirements reflected in Table 3.1 totals 158 of the 159 functional area requirements. Element 12.4 contained one requirement that was judged not applicable.

Table 3.1 Fire Protection S/RID Element Status

Element Identifier	Element Description	Inc.	Dis.
12.1	Management and Administration	12	1
12.2	Fire Protection Program	91	
12.3	Fire Hazard Analysis	1	
12.4	Fire Prevention	42	1
12.6	Assessment	10	

4.0 DISCREPANCIES

The following describes the discrepancies listed in the Table 3.1. For each discrepancy, there is a stated plan for resolution. In addition, the priority of the resolution action is identified. Priorities have been grouped into three categories: Immediate, prompt, or routine actions. Immediate actions are those necessary to resolve a safety-related compliance issue and would be resolved within 2-4 weeks. Prompt actions are those that are administrative in nature but do affect the ability of WHC to demonstrate compliance with regulatory requirements and would be completed within 12-16 weeks. Routine actions are those actions

necessary to update forms or procedures (e.g., include new report distribution requirements) and would be completed at the next procedure revision cycle.

1) Sub-element 12.1 Management and Administration

DOE 5480.7A Section 9.c(4)
This section requires that minimum requirements to establish "operability" shall be developed for fire protection features such as: fire doors, fire dampers, fire detection and suppression systems, fire protection water supplies, etc.

Routine - To WHC-IP-0842 Volume 1 Section 4.4 - The operability specifications related to fire protection must be identified to specifically address limitations and/or mitigating features.

2) Sub-element 12.4 Fire Prevention

RLID 5480.7 Section 8.2.e
This section requires that Nuclear facilities and laboratories shall have interior finish materials (decorations, furnishings, and exposed wall or insulating materials) that have an Underwriters Laboratories (ASTM E-84/NFPA 255) flame spread rating of 25 or less, and smoke developed rating of 50 or less, except for acoustical materials, which shall have a smoke developed rating of 100 or less.

Routine - To WHC-IP-0842 Volume 1 Section 4.4 - The document must be expanded to identify specific limitations for interior finish.

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FP
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	156

INC

12.1.1 Management
- 29CFR1926 Part 150(a)(2)
- 29CFR1926 Part 150(a)(3)
- 29CFR1926 Part 150(a)(4)
- 29CFR1926 Part 150(a)(5)
- DOE5480.7A Section 8.i

12.1.2 Administrative
- DOE5480.7A Section 9(1)
- DOE5480.7A Section 9(2)

12.1.2.1 Fire Prevention Procedures
- DOE5480.7A Section 9.c.(1)

12.1.2.2 Assessment Results Tracking Program
- DOE5480.7A Section 9.c.(2)

12.1.2.3 Interim Compensatory Measures
- DOE5480.7A Section 9.c.(3)

12.1.2.5 Emergency Planning
- DOE5480.7A Section 9.c.(5)

12.1.2.7 Communications
- DOE5480.7A Section 9.c.(7)

12.2.1.1 Automatic Fire Suppression Provisions
- DOE5480.7A Section 9.b.(3)
- DOE5480.7A Section 9.b.(4)
- DOE6430.1A Section 1161.3
- DOE6430.1A Section 1530-4.1
- DOE6430.1A Section 1530-99.0[2]
- DOE6430.1A Section 1530-99.0[3]
- DOE6430.1A Section 1530-99.0[4]
- DOE6430.1A Section 1530-99.0[5]
- DOE6430.1A Section 1530-99.0[6]
- DOE6430.1A Section 1530-99.0[7]
- DOE6430.1A Section 1530-99.0[9]
- DOE6430.1A Section 1530-99.0[10]
- DOE6430.1A Section 1530-99.0[16]

12.2.1.1.1 Automatic Sprinkler Systems
- DOE6430.1A Section 1530-3.1
- DOE6430.1A Section 1530-3.2

12.2.1.1.2 Wet Pipe Systems
- DOE6430.1A Section 1530-4.2.1

12.2.1.1.3 Dry Pipe Systems
- DOE6430.1A Section 1530-4.2.2

12.2.1.1.4 Preaction
- DOE6430.1A Section 1530-4.2.3

12.2.1.1.5 Deluge
- DOE6430.1A Section 1530.4.2.4

12.2.1.1.6 Pressure-Relief Valves
- DOE6430.1A Section 1540-1.6.1(B)

12.2.1.1.7 Pressure-Reducing Valves
- DOE6430.1A Section 1540-1.6.1(A)

12.2.1.2 Special Fire Suppression Systems
- DOE5480.7A Section 9.b.(13)

FP
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	156

DOE6430.1A Section 1530-5.1
DOE6430.1A Section 1530-5.1[2]

12.2.1.3 Control of Liquid Runoff
DOE5480.7A Section 9.b.(10)
DOE6430.1A Section 1540-99.0.2(1)

12.2.2.1 Water Supply Systems
DOE6430.1A Division 15, Section 1530-3.3.1, Paragraph 2
DOE6430.1A Section 1530-3.3.2
DOE6430.1A Section 1530-3.3.3
DOE6430.1A Section 1540-99.0.5
RLID5480.7 Section 8. 9

12.2.2.1.1 Mains, Water Storage, and Fire Pumps
DOE6430.1A Section 0260-2[3]
DOE6430.1A Section 1530-9[3]

12.2.2.1.2 Fire Hydrant Capacity
DOE6430.1A Section 0266-4(3)

12.2.2.1.3 Fire Hydrant Spacing and Location
DOE6430.1A Section 0266-4(9)

12.2.2.1.4 Air Release and Vacuum Valves
DOE6430.1A Section 0266-4(10)

12.2.2.1.5 Distribution Systems Mains Depth
DOE6430.1A Section 0266-4(11)

12.2.2.1.6 Water Distribution Loop Systems
DOE6430.1A Section 1530-9[4]
RLID5480.7 Section 8. 1.b
RLID5480.7 Section 8. 1.c

12.2.2.1.8 Sprinkler Supply Lead-Ins
DOE6430.1A Section 1530-9[6]

12.2.2.1.9 Combined Fire and Domestic Process Water Systems
DOE6430.1A Section 1530-9[7]
DOE6430.1A Section 1540-1.1(2)

12.2.2.1.10 Sprinkler Risers
DOE6430.1A Section 1530-9[8]

12.2.2.1.11 Outside Control Valves
DOE6430.1A Section 1530-9[9]

12.2.2.1.12 Key Operated Buried Valves
DOE6430.1A Section 1530-9[10]

12.2.2.1.13 Sprinkler Systems Lead-Ins and Fire Hydrants
DOE6430.1A Section 1530-9[11]

12.2.2.1.14 Piping Protection Against Differential Settlements
DOE6430.1A Section 1540-1.3.1

12.2.3.1 Fire Barrier Design Requirements
DOE6430.1A Section 0110-6.3
DOE6430.1A Section 0727, General
DOE6430.1A Section 1530-99.0[19]

12.2.3.2 Fire Doors and Windows
DOE6430.1A Section 0800-1.2
DOE6430.1A Section 0800-2.2

FP
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	156

12.2.4.1 Facility Buildings
DOE5480.7A Section 9.b.(2)

12.2.4.1.1 Life Safety for Laboratories
DOE6430.1A Section 0110-99.0.4(2)

12.2.4.1.2 Egress
DOE6430.1A Section 0110-99.0.4(3)
DOE6430.1A Section 0281-3[3]
DOE6430.1A Section 0283-3.1[5]

12.2.4.1.3 Corridor Widths
DOE6430.1A Section 0110-99.0.4(12)

12.2.4.1.4 Door Encroachment
DOE6430.1A Section 0110-99.04(13)

12.2.4.1.5 Security Areas
DOE6430.1A Section 0800-1.3(4)

12.2.4.1.6 Zoning for Automatic Control
DOE6430.1A Division 15, Section 1595-2

12.2.4.1.7 Life Safety in Hazardous Areas
DOE6430.1A Section 0110-6.4
DOE6430.1A Section 0110-6.4[2]
DOE6430.1A Section 0110-6.4[3]

12.2.5 Improved Risk Facilities
DOE5480.7A Section 9.b.(17)
DOE6430.1A Section 1530-2.1
DOE6430.1A Section 1530-2.2
DOE6430.1A Section 1530-2.3.1

12.2.6 Decommissioning Planning
RLID5480.7 Section 8. 3

12.2.7 Construction
DOE6430.1A Section 1161-2[1], Sentences 1 thru 4
DOE6430.1A Section 1530-2.3.5
DOE6430.1A Section 1530-99.0
DOE6430.1A Section 1530-99.0[12]
RLID5480.7 Section 8. 2.a
RLID5480.7 Section 8. 4.a
RLID5480.7 Section 8. 4.b
RLID5480.7 Section 8. 4.c

12.2.8 Fire Alarm Systems
DOE5480.7A Section 9.b.(11)
DOE6430.1A Section 1530-99.8[2]

12.2.8.1 Fire Detection and Alarm Systems Design, Installation, Inspection, and Testing
DOE6430.1A Section 1530-8.1
DOE6430.1A Section 1530-99.8[3]
DOE6430.1A Section 1530-99.8[4]
DOE6430.1A Section 1671-1.3

12.2.8.2 Fire Alarm System Features
DOE6430.1A Section 1530-8.2.1
DOE6430.1A Section 1671-2

12.2.8.3 Compatibility of Alarm Systems
DOE6430.1A Section 1530-8.2.1[2]

12.2.8.4 Fire Watch and Alarm Systems
DOE6430.1A Section 1530-8.2.2

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Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	156

12.2.8.5 Underground Cables for Alarm Systems
DOE6430.1A Section 1670-2

12.2.9 Fire Detection Systems
DOE6430.1A Section 1530-8.3.4
DOE6430.1A Section 1660-99.0.2

12.3 Fire Hazard Analysis
DOE5480.7A Section 9.a.(3)
RLID5480.7 Section 6.2

12.4 Fire Prevention (Building Design)
DOE/EV0043 101
DOE6430.1A Section 0110-6.1
DOE6430.1A Section 0110-6.1[2]

12.4.1 Performance Objectives in the Design of DOE Facilities
DOE5480.7A Section 9.b.(6)
DOE6430.1A Section 0110-6.2[3]
DOE6430.1A Section 0110-6.2[4]
DOE6430.1A Section 0110-6.2[5]

12.4.2 Exterior Fire Protection Systems and Features
DOE6430.1A Section 0110-6.4[4]

12.4.3 Fire Resistance for Materials and Construction
DOE6430.1A Section 0110-6.3[3]
DOE6430.1A Section 0110-99.0.6

12.4.4.2 Interior Floor Coverings
DOE6430.1A Section 1260-4

12.4.4.3 Control of Combustible Materials by Building Design
DOE6430.1A Section 0110-99.0.4(4)

12.4.4.4 Quantities of Stored Materials
DOE6430.1A Section 0110-99.0.4(8)

12.4.4.5 Fire and Explosion Potential of the Materials
RLID5480.7 Section 8. 5
WAC-173-303 Section 395(1)
WAC-173-303 Section 630(8)

12.4.5.1 Ignition Source by Electrical Equipment
DOE6430.1A Section 1530-99.0[21]

12.4.5.2 Listing Requirements for Electrical Materials and Equipment
DOE6430.1A Section 1605-1(2)
DOE6430.1A Section 1640-2.3

12.4.5.3 Conduits
DOE6430.1A Division 16, Section 1605-2.1.4

12.4.5.4 Redundant Electric Circuits
DOE6430.1A Section 1630-1.3

12.4.5.5 Primary, Auxiliary, Emergency, and Standby Power Systems
DOE6430.1A Division 16, Section 1660-1, Paragraph 1
DOE6430.1A Section 1530-99.0[11]
DOE6430.1A Section 1640-3.2
DOE6430.1A Section 1640-3.3
DOE6430.1A Section 1660-1(4)
DOE6430.1A Section 1660-2

12.4.6.1 Ductwork and Air Ventilation Systems
DOE5480.7A Section 9.b.(12)

FP
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	156

DOE6430.1A Section 1550-2.5.6
DOE6430.1A Section 1595-6.5[3]

12.4.6.2 Smoke Pressurization and Evacuation Systems
DOE6430.1A Section 1595-6.5

12.4.6.4 Confinement Systems and Fire Protection
DOE6430.1A Section 1530-99.0[18]

12.4.6.5 Design Features for Lower Flammability Limit
DOE6430.1A Section 1530-99.0[13]

12.4.6.6 HEPA Filters
DOE6430.1A Section 1161-4(2)
DOE6430.1A Section 1550-2.5.5(9)
RLID5480.7 Section 8. 2.c

12.4.7 Lighting Protection
DOE6430.1A Section 1630-5

12.4.8 Seismic Requirements
DOE5480.7A Section 9.b.(15)

12.4.9 Safety Class Equipment
DOE5480.7A Preamble, Section 5.f
DOE5480.7A Section 9.b.(1)
DOE6430.1A Section 1660-99.0.1(4)
DOE6430.1A Section 1660-99.0.5

12.6.1 Fire Protection Investigation and Reporting
DOE5480.7A Section 9.a.(2)
DOE5480.7A Section 9.b.(5)
DOE6430.1A Section 0110-6.2
DOE6430.1A Section 1530-99.0
RLID5480.7 Section 6.2
RLID5480.7 Section 8. 2.b
RLID5480.7 Section 8. 8

12.6.3 Control of Fire Protection Impairments
DOE5480.7A Section 9.b.(16)
RLID5480.7 Section 8. 6

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Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Not	2

discrepant

12.1.2.4 Operability Specifications
DOE5480.7A Section 9.c.(4)

12.4.4.1 Interior Finish Materials
RLID5480.7 Section 8. 2.e

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Requirements Status

Applicable	SRID	Price Anderson	Status	Found
No	SRID	All	Not Marked	1

12.4.6.3 Confinement Systems Function During the DBF
DOE6430.1A Section 1530-99.0[8]

NA

SKID Element	Location	Applicable	Incorporated Implementing Manuals	
12.1.1 Management	29CFR1926 Part 150(a)(2)	A Incorp	WHC-CM-4-41	3.1
			WHC-CM-6-1	EP-1.12
			WHC-IP-1026	EPG 2.0
	29CFR1926 Part 150(a)(3)	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	29CFR1926 Part 150(a)(4)	A Incorp	WHC-CM-4-41	3.1
				5.8
			WHC-IP-1026	EPG 2.0
	29CFR1926 Part 150(a)(5)	A Incorp	WHC-CM-4-41	1.2
				3.1
			WHC-IP-1026	EPG 2.0
	DOE5480.7A Section 8.i	A Incorp	WHC-CM-4-41	1.1
				1.1
				1.1
				1.2
				1.3
				1.3
				1.3
				2.1
			WHC-IP-1026	EPG 2.0
12.1.2 Administrative	DOE5480.7A Section 9(1)	A Incorp	WHC-CM-4-41	1.2
				1.2
				3.4
	DOE5480.7A Section 9(2)	A Incorp	WHC-CM-4-41	1.2
				1.2
				3.4
12.1.2.1 Fire Prevention Procedures	DOE5480.7A Section 9.c.(1)	A Incorp	WHC-CM-1-3	MRP 4.28
			WHC-CM-4-41	5
				7
			WHC-IP-0842, VOL 1	4.4

SRID Element	Location	Applicable Incorporated Implementing Manuals		
12.1.2.2 Assessment Results Tracking Program	DOE5480.7A Section 9.c.(2)	A Incorp	WHC-CM-4-41	2.2
			WHC-IP-0842, VOL 1	4.4
12.1.2.3 Interim Compensatory Measures	DOE5480.7A Section 9.c.(3)	A Incorp	WHC-CM-4-41	2.2
				2.2
			WHC-IP-0842, VOL 1	4.4
12.1.2.4 Operability Specifications	DOE5480.7A Section 9.c.(4)	A Incorp	WHC-CM-4-41	2.2
				4.2
				4.2
			WHC-IP-0842, VOL 1	4.4
12.1.2.5 Emergency Planning	DOE5480.7A Section 9.c.(5)	A Incorp	WHC-CM-4-41	1.3
12.1.2.7 Communications	DOE5480.7A Section 9.c.(7)	A Incorp	WHC-CM-4-41	4.2
				8.1
12.2.1.1 Automatic Fire Suppression Provisions	DOE5480.7A Section 9.b.(3)	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE5480.7A Section 9.b.(4)	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1161.3	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1530-4.1	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0

SRID Element	Location		Applicable Incorporated Implementing Manuals	
	DOE6430.1A Section 1530-99.0[2]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1530-99.0[3]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1530-99.0[4]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1530-99.0[5]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1530-99.0[6]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1530-99.0[7]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1530-99.0[9]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1530-99.0[10]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE6430.1A Section 1530-99.0[16]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.1.1.1 Automatic Sprinkler Systems	DOE6430.1A Section 1530-3.1	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1530-3.2	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.1.1.2 Wet Pipe Systems	DOE6430.1A Section 1530-4.2.1	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.1.1.3 Dry Pipe Systems	DOE6430.1A Section 1530-4.2.2	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.1.1.4 Preaction	DOE6430.1A Section 1530-4.2.3	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.1.1.5 Deluge	DOE6430.1A Section 1530.4.2.4	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.1.1.6 Pressure-Relief Valves	DOE6430.1A Section 1540-1.6.1(B)	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.1.1.7 Pressure-Reducing Valves	DOE6430.1A Section 1540-1.6.1(A)	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.1.2 Special Fire Suppression Systems	DOE5480.7A Section 9.b.(13)	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1530-5.1	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0

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SRID Element	Location	[illegible]plicable	Incorporated	Implementing Manuals	
	DOE6430.1A Section 1530-5.1[2]	A	Incorp	WHC-CM-4-41	3.1
				WHC-IP-1026	EPG 2.0
12.2.1.3 Control of Liquid Runoff	DOE5480.7A Section 9.b.(10)	A	Incorp	WHC-CM-4-41	3.1
				WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1540-99.0.2(1)	A	Incorp	WHC-CM-4-41	3.1
				WHC-IP-1026	EPG 2.0
12.2.2.1 Water Supply Systems	DOE6430.1A Division 15, Section 1530-3.3.1, Paragraph 2	A	Incorp	WHC-CM-4-41	3.1
				WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1530-3.3.2	A	Incorp	WHC-CM-4-41	3.1
				WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1530-3.3.3	A	Incorp	WHC-CM-4-41	3.1
				WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1540-99.0.5	A	Incorp	WHC-CM-4-41	3.1
				WHC-IP-1026	EPG 2.0
	RLID5480.7 Section 8. 9	A	Incorp	WHC-CM-4-41	3.1
					4.4
				WHC-IP-1026	EPG 2.0
12.2.2.1.1 Mains, Water Storage, and Fire Pumps	DOE6430.1A Section 0260-2[3]	A	Incorp	WHC-CM-4-41	3.1
				WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1530-9[3]	A	Incorp	WHC-CM-4-41	3.1
					4.2
				WHC-IP-1026	EPG 2.0
12.2.2.1.2 Fire Hydrant Capacity	DOE6430.1A Section 0266-4(3)	A	Incorp	WHC-CM-4-41	3.1
				WHC-IP-1026	EPG 2.0

SRID Element	Location	[illegible]plicable Incorporated Implementing Manuals		
12.2.2.1.3 Fire Hydrant Spacing and Location	DOE6430.1A Section 0266-4(9)	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.2.1.4 Air Release and Vacuum Valves	DOE6430.1A Section 0266-4(10)	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.2.1.5 Distribution Systems Mains Depth	DOE6430.1A Section 0266-4(11)	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.2.1.6 Water Distribution Loop Systems	DOE6430.1A Section 1530-9[4]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	RLID5480.7 Section 8. 1.b	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	RLID5480.7 Section 8. 1.c	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.2.1.8 Sprinkler Supply Lead-Ins	DOE6430.1A Section 1530-9[6]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.2.1.9 Combined Fire and Domestic Process Water Systems	DOE6430.1A Section 1530-9[7]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1540-1.1(2)	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
12.2.2.1.10 Sprinkler Risers	DOE6430.1A Section 1530-9[8]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.2.1.11 Outside Control Valves	DOE6430.1A Section 1530-9[9]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.2.1.12 Key Operated Buried Valves	DOE6430.1A Section 1530-9[10]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.2.1.13 Sprinkler Systems Lead-Ins and Fire Hydrants	DOE6430.1A Section 1530-9[11]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.2.1.14 Piping Protection Against Differential Settlements	DOE6430.1A Section 1540-1.3.1	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.3.1 Fire Barrier Design Requirements	DOE6430.1A Section 0110-6.3	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 0727, General	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1530-99.0[19]	A Incorp	WHC-CM-4-41	3.1
				6.5
			WHC-IP-1026	EPG 2.0
12.2.3.2 Fire Doors and Windows	DOE6430.1A Section 0800-1.2	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE6430.1A Section 0800-2.2	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.4.1 Facility Buildings	DOE5480.7A Section 9.b.(2)	A Incorp	WHC-CM-4-41	3.1
				3.1
			WHC-IP-1026	EPG 2.0
12.2.4.1.1 Life Safety for Laboratories	DOE6430.1A Section 0110-99.0.4(2)	A Incorp	WHC-CM-4-41	3.1
				3.1
				6.3
			WHC-IP-1026	EPG 2.0
12.2.4.1.2 Egress	DOE6430.1A Section 0110-99.0.4(3)	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 0281-3[3]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 0283-3.1[5]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.4.1.3 Corridor Widths	DOE6430.1A Section 0110-99.0.4(12)	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.4.1.4 Door Encroachment	DOE6430.1A Section 0110-99.04(13)	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.4.1.5 Security Areas	DOE6430.1A Section 0800-1.3(4)	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.4.1.6 Zoning for Automatic Control	DOE6430.1A Division 15, Section 1595-2	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.4.1.7 Life Safety in Hazardous Areas	DOE6430.1A Section 0110-6.4	A Incorp	WHC-CM-4-41	2.1
	DOE6430.1A Section 0110-6.4[2]	A Incorp	WHC-CM-4-41	3.1
				7.9
			WHC-IP-1026	EPG 2.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE6430.1A Section 0110-6.4[3]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.5 Improved Risk Facilities	DOE5480.7A Section 9.b.(17)	A Incorp	WHC-CM-4-41	1.3
				3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1530-2.1	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1530-2.2	A Incorp	WHC-CM-4-41	3.1
	DOE6430.1A Section 1530-2.3.1	A Incorp	WHC-CM-4-41	3.1
12.2.6 Decommissioning Planning	RLID5480.7 Section 8. 3	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.7 Construction	DOE6430.1A Section 1161-2[1], Sentences 1 thru 4	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1530-2.3.5	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1530-99.0	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1530-99.0[12]	A Incorp	WHC-CM-4-41	3.1
				7.7
			WHC-IP-1026	EPG 2.0
	RLID5480.7 Section 8. 2.a	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	RLID5480.7 Section 8. 4.a	A Incorp	WHC-CM-4-41	3.1
				5.8
			WHC-IP-1026	EPG 2.0
	RLID5480.7 Section 8. 4.b	A Incorp	WHC-CM-4-41	3.1
				5.8
			WHC-IP-1026	EPG 2.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	RLID5480.7 Section 8. 4.c	A Incorp	WHC-CM-4-41	3.1
				5.8
			WHC-IP-1026	EPG 2.0
12.2.8 Fire Alarm Systems	DOE5480.7A Section 9.b.(11)	A Incorp	WHC-CM-4-41	3.1
				3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1530-99.8[2]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.8.1 Fire Detection and Alarm Systems Design, Installation, Inspection, and Testing	DOE6430.1A Section 1530-8.1	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1530-99.8[3]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1530-99.8[4]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1671-1.3	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
12.2.8.2 Fire Alarm System Features	DOE6430.1A Section 1530-8.2.1	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1671-2	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.8.3 Compatibility of Alarm Systems	DOE6430.1A Section 1530-8.2.1[2]	A Incorp	WHC-CM-4-41	3.1
				3.1
			WHC-IP-1026	EPG 2.0
12.2.8.4 Fire Watch and Alarm Systems	DOE6430.1A Section 1530-8.2.2	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.8.5 Underground Cables for Alarm Systems	DOE6430.1A Section 1670-2	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.2.9 Fire Detection Systems	DOE6430.1A Section 1530-8.3.4	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1660-99.0.2	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.3 Fire Hazard Analysis	DOE5480.7A Section 9.a.(3)	A Incorp	WHC-CM-4-41	3.4
			WHC-IP-1026	EPG 2.0
	RLID5480.7 Section 6.2	A Incorp	WHC-CM-4-41	1.2
				1.3
				3.1
				3.4
			WHC-IP-1026	EPG 2.0
12.4 Fire Prevention (Building Design)	DOE/EV0043 101	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE6430.1A Section 0110-6.1	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 0110-6.1[2]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.4.1 Performance Objectives in the Design of DOE Facilities	DOE5480.7A Section 9.b.(6)	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 0110-6.2[3]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 0110-6.2[4]	A Incorp	WHC-CM-4-41	3.4
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 0110-6.2[5]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.4.2 Exterior Fire Protection Systems and Features	DOE6430.1A Section 0110-6.4[4]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.4.3 Fire Resistance for Materials and Construction	DOE6430.1A Section 0110-6.3[3]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 0110-99.0.6	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
12.4.4.1 Interior Finish Materials	RLID5480.7 Section 8. 2.e	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.4.4.2 Interior Floor Coverings	DOE6430.1A Section 1260-4	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.4.4.3 Control of Combustible Materials by Building Design	DOE6430.1A Section 0110-99.0.4(4)	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.4.4.4 Quantities of Stored Materials	DOE6430.1A Section 0110-99.0.4(8)	A Incorp	WHC-CM-4-41	3.1
				7.9
			WHC-IP-1026	EPG 2.0
12.4.4.5 Fire and Explosion Potential of the Materials	RLID5480.7 Section 8. 5	A Incorp	WHC-CM-4-41	3.1
				7.9
			WHC-IP-1026	EPG 2.0
	WAC-173-303 Section 395(1)	A Incorp	WHC-CM-4-41	3.1
				7.9
				8.1
			WHC-CM-4-43	NI
			WHC-CM-7-5	7.0
			WHC-IP-1026	EPG 2.0
	WAC-173-303 Section 630(8)	A Incorp	WHC-CM-4-41	3.1
				7.3
				7.7

SRID Element	Location	Applicable Incorporated Implementing Manuals		
				7.9
			WHC-CM-7-5	7.0
				7.0
			WHC-IP-1026	EPG 2.0
12.4.5.1 Ignition Source by Electrical Equipment	DOE6430.1A Section 1530-99.0[21]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.4.5.2 Listing Requirements for Electrical Materials and Equipment	DOE6430.1A Section 1605-1(2)	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1640-2.3	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.4.5.3 Conduits	DOE6430.1A Division 16, Section 1605-2.1.4	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.4.5.4 Redundant Electric Circuits	DOE6430.1A Section 1630-1.3	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.4.5.5 Primary, Auxiliary, Emergency, and Standby Power Systems	DOE6430.1A Division 16, Section 1660-1, Paragraph 1	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1530-99.0[11]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE6430.1A Section 1640-3.2	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1640-3.3	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1660-1(4)	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1660-2	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.4.6.1 Ductwork and Air Ventilation Systems	DOE5480.7A Section 9.b.(12)	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1550-2.5.6	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1595-6.5[3]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0

SRID Element	Location	[illegible]plicable	Incorporated Implementing Manuals	
12.4.6.2 Smoke Pressurization and Evacuation Systems	DOE6430.1A Section 1595-6.5	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.4.6.4 Confinement Systems and Fire Protection	DOE6430.1A Section 1530-99.0[18]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.4.6.5 Design Features for Lower Flammability Limit	DOE6430.1A Section 1530-99.0[13]	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.4.6.6 HEPA Filters	DOE6430.1A Section 1161-4(2)	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1550-2.5.5(9)	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	RLID5480.7 Section 8. 2.c	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.4.7 Lighting Protection	DOE6430.1A Section 1630-5	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.4.8 Seismic Requirements	DOE5480.7A Section 9.b.(15)	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
12.4.9 Safety Class Equipment	DOE5480.7A Preamble, Section 5.f	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE5480.7A Section 9.b.(1)	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1660-99.0.1(4)	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1660-99.0.5	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
12.6.1 Fire Protection Investigation and Reporting	DOE5480.7A Section 9.a.(2)	A Incorp	WHC-CM-4-41	1.3
	DOE5480.7A Section 9.b.(5)	A Incorp	WHC-CM-4-41	4.2
			WHC-IP-0842, VOL 1	4,4
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 0110-6.2	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	DOE6430.1A Section 1530-99.0	A Incorp	WHC-CM-4-41	3.1
			WHC-IP-1026	EPG 2.0
	RLID5480.7 Section 6.2	A Incorp	WHC-CM-4-41	3.1
				3.4
			WHC-IP-1026	EPG 2.0
	RLID5480.7 Section 8. 2.b	A Incorp	WHC-CM-4-41	3.1
				4.2
			WHC-IP-1026	EPG 2.0
	RLID5480.7 Section 8. 8	A Incorp	WHC-CM-4-41	1.3
				3.1
				8.1
			WHC-IP-1026	EPG 2.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
12.6.3 Control of Fire Protection Impairments	DOE5480.7A Section 9.b.(16)	A Incorp	WHC-CM-4-41	4.3
			WHC-IP-0842, VOL 1	4,4
	RLID5480.7 Section 8. 6	A Incorp	WHC-CM-4-41	3.1
				4.3
			WHC-IP-1026	EPG 2.0

3.13 Packaging & Transportation

PACKAGING AND TRANSPORTATION

1.0 INTRODUCTION

The Packaging and Transportation chapter (functional area) of the High Level Waste Storage Tank Farms / 242-A Evaporator Standards Requirements Identification Document (hereafter known as the Tank Farm S/RID) describes a Packaging and Transportation (P&T) program as defined through the relevant DOE Orders, regulations, industry codes/standards, industry guidance documents and, as appropriate, good industry practice. The definition of a P&T program as specified by the Tank Farm S/RID is intended to address Defense Nuclear Facilities Safety Board Recommendations 90-2 and 91-1, which call for the strengthening of DOE weapons complex activities through the identification and application of relevant regulations and standards that supplement or exceed requirements mandated by DOE Orders.

This Document is a phase 1 assessment, an evaluation that determines whether the requirements identified in the Tank Farm S/RID P&T chapter are implemented by controlled procedures or manuals.

The P&T program defined in the Tank Farm S/RID is presented in the form of program elements and sub-elements. The descriptive text specifies the programmatic controls necessary for implementation of each element and sub-element. The specific DOE Orders, regulations, industry codes/standards, guidance documents and good industry practices that serve as the basis for each element/sub-element are identified and aligned with each sub-element.

Key interface information contained in the Functional Area documents is provided for general recognition and understanding and is not considered to contain prescriptive requirements.

It is intended that this document be used as a baseline from which to compare the existing P&T program at the tank farms for determination of the level of program definition and maturity including the existence of an overall site infrastructure and clearly defined interfaces with other relevant functional areas. Additionally, the Tank Farm S/RID may be used as the basis against which future program definition and improvement efforts, including procedures development and/or revisions, can be compared to ensure consistency, completeness, and proper integration with other functional programs.

The Packaging and Transportation (P&T) program defined in the Tank Farm S/RID is described in general accordance with the Environment, Safety, and Health (ES&H) Configuration Guide, Revision 0, dated July 30, 1993, and is presented in program elements and subelements. The specific DOE Orders, regulations, industry codes/standards, guidance documents, and good industry practices that serve as the basis for each element/subelement are identified and aligned with each subelement. The Packing and Transportation (P&T) Functional Area describes the programmatic controls, activities, personnel, and programs

involved in executing P&T activities, as such activities are included in the current mission of the facility.

The Tank Farm S/RID presents requirements applicable to the High Level Waste Storage Tank Farms and related structures. Only those requirements that Tank Farms personnel are clearly responsible to satisfy are included.

The assessment was performed by a team of one from the engineering support organization for packaging and transportation of waste for Tank Farm Facilities.

Team Lead
- Ilene Palfrey, Advanced Plant Engineer, Waste Shipment Engineering
- Paul Gagnon, Manager, Waste Shipment Engineering

The assessment process was conducted as follows:

1. Requirements were reviewed for content and applicability to the work scope.

2. Company manuals and facility procedures were selected based on applicability to the requirements.

3. One at a time, each manual and procedure was evaluated against each requirement listed in Section 3.0, Table I.

4. Waste Shipment Engineering is a dedicated organization providing support to the Environmental Waste Operations group who performs all packaging and transportation for Tank Farms Facilities. Process knowledge provided the backbone of the applicability assessment.

5. Consultations with technical experts were also conducted to ensure accuracy.

6. Final review and concurrence was performed by Paul Gagnon, Manager, WSE.

SCOPE

This S/RID applies to all of the packaging and transportation activities associated with the Tank Farm Facilities at the Hanford Site which includes the following:

- East Tank Farms
- West Tank Farms
- 242-A Evaporator

The near-term mission of the Tank Farms is to store, treat, and immobilize the highly radioactive Hanford Site Waste (current and future tank waste). The waste storage tanks provide for storage of high-level radioactive slurries, containing hazardous constituents. These tanks continue to receive waste periodically from various onsite generators through piping and transfer truck. Although the wastes contain transuranic components, the waste material are generally not of a sufficient concentration to be classified as transuranic per DOE 5820.2A; therefore technical requirements for TRU waste are not applicable. The majority of the P&T activities at Tank Farms is for materials that meet the definition of waste materials. Only the P&T regulations which apply to "waste" are addressed under this S/RID. The Dangerous Waste functional area addresses all other associated requirements.

The terms "onsite" and "offsite" will be used to describe shipments throughout this document. Onsite refers to any shipment made within the security boundaries of the Hanford Site. Offsite refers to shipments made over public roads and highways. It is WHC best management policy that <u>all</u> shipments of hazardous and/or radioactive materials are to be performed in accordance with all federal, state and that Department of Transportation (DOT) regulations will be applied whenever possible, or their equivalency will be met.

Onsite shipment activities include the shipment of hazardous waste, radioactive materials/waste and mixed waste. Radioactive materials/waste is shipped as either limited quantity or low specific activity (LSA); mixed waste is shipped as limited quantity, LSA, Type A. The potential for shipments of > Type A quantities is low and considered non-routine. These wastes are prepared and shipped to the appropriate Solid Waste Disposal Facility within the 200 Area of the Hanford Site.

All offsite shipment activities are prepared by the shipper in support of the responsible organizations: (Traffic Management) located in the 1100 Area, or Generator Services located in the 200 West Area, both located at the Hanford Site. Offsite shipments include hazardous waste collected as part of the site collection going to a variety of disposal units including incinerators and land disposal. This collection of site waste is known as the "Milkrun". Other offsite shipments include low level radioactive materials (samples, contaminated

compactible materials/equipment) to offsite laboratories, decontamination facilities, or DOE-RL contractor facilities for compaction. Compacted wastes are returned to the Hanford Site for final disposal/storage. Shipments consist of LSA or limited quantities.

The P&T functional area includes program elements that are necessary to assure that operations at DOE facilities are conducted safely, effectively, and in accordance with specified DOE requirements and selected industry codes, standards, and guidelines. The scope of the P&T functional area encompasses the programmatic controls for activities associated with onsite and offsite packaging and transportation of hazardous and radioactive materials/wastes. The basis for selecting the requirements applicable to the Tank Farms is described in the following key points:

1. Site P&T personnel are responsible for the following:

   - Program management
   - Carrier selection
   - Safety analysis
   - Package standards and certification
   - Design, fabrication, assembly, and testing for shipping containers
   - Training program content
   - Emergency planning and notification
   - Offsite shipments

2. The offsite shipments originating from Tank Farms consist of "Hazardous Waste" collected as part of the "Milkrun", and "Limited Quantity" or "Low Specific Activity" materials to the Hanford Site, 300 Area; laboratories; and DOE-RL contractors.

3. LSA shipments are exclusive use in strong, tight packages.

4. The potential for transuranic wastes is low and considered non-routine.

5. Tank Farm Facilities does not make DOT shipments by rail, air or water.

6. Tank Farm Facilities does not make DOT export shipments.

7. Tank Farm Facilities does not ship explosives, gasoline, liquid petroleum fuel, poisons or uranium hexafloride.

The DOE requirements that govern P&T activities are primarily contained in a series of DOE Orders and in the Department of Transportation (DOT), EPA, and NRC regulations. The DOE Orders are currently being expanded to provide a more complete definition of

requirements, and are being restructured to improve their use. The Functional Area elements are discussed in Sections 13.1 through 13.4.

2.0 SUMMARY -

Phase 1 assessment results show no safety-related conditions. All applicable requirements were found to be incorporated. The following WHC policies, plans or procedures were evaluated during the conduct of the Phase 1 assessment: Preparing Waste Containers and Establishing Satellite Holding Areas (TO-100-002), Inspect, Load, and Ship Waste to the Intermediate Holding Area (TO-100-010), Hazardous Waste Packaging and Transportation (WHC-CM-02-14), and Hanford Site Solid Waste Acceptance Criteria (WHC-EP-0063).

3.0 DETAILED RESULTS

No discrepant requirements were found. Three requirements were found to be not appliciable. Table I below depicts the various requirement subelements within this functional areas and their compliance status.

Table I Subelement Compliance Status Summary

Element Identifier	Element Description	Inc.	Dis.
13.2.1	Packaging	11	0
13.2.6.1	Marking Requirements	10	0
13.2.6.2	Labeling Requirements	8	0
13.2.6.3	Placarding Requirements	6	0
13.2.7.1	Waste Manifests	2	0
13.2.7.2	Shipping Papers	12	0
13.2.10	Emergency Response Information	3	0
13.2.12	Loading Operations	2	0
13.2.13	Transportation Operations	3	0
13.4.4	Personnel Protection	1	0

13.2.1 Packaging

This element includes those requirements found in 49 CFR172 Parts 12; 22; 421; 421-1; 425; 441; 442; and 443; which are necessary to ensure packaging requirements: 1) exception for shipment of waste materials; 2) shipper's responsibilities; 3) manufacturer's certification markings; 4) for limited quantity Class 7 materials which meet the definition of a Class 9 material; 5) excepted limited quantity Class 7 material that is classed other than Class 7; 6) additional requirements for excepted packages containing Class 7 materials; 8) transport requirements for low specific activity (LSA) radioactive materials; 8) radiation level limitations; 9) thermal limitations; and 10) contamination controls.

There are no discrepant requirements, therefore no compensatory measures are required.

13.2.6.1 Marking Requirements

This element includes those requirements found in 49 CFR172 Parts 300 through 336 which are necessary to ensure proper marking of containers: 1) applicability for containers of hazardous material; 2) general requirements for non-bulk packaging; 3) exemptions; 4) prohibited marking; 5) general requirements; 6) radioactive materials; 7) liquid hazardous materials in non-bulk packaging; 8) general identification number markings on panels and placards; 9) special provisions or identification numbers; and 10) display of identification numbers on transport vehicles.

There are no discrepant requirements, therefore no compensatory measures are required.

13.2.6.2 Labeling Requirements

This element includes those requirements found in 49 CFR172 Parts 400 through 407 which are necessary to ensure proper labeling of containment devices: 1) general requirements; 2) prohibited labeling; 3) additional labeling; 4) radioactive material; 5) mixed and consolidated packaging; 5) authorized label modifications; 6) placement of labels; and 7) label specifications.

There are no discrepant requirements, therefore no compensatory measures are required.

13.2.6.3 Placarding Requirements

This element includes those requirements found in 49 CFR172 Parts 500 through 516 which are necessary to ensure proper placarding requirements: 1) applicability; 2) prohibited and permissive placarding; 3) general requirements; 4) subsidiary hazards; 5) providing and affixing placards; and 6) visibility and display of placards.

There are no discrepant requirements, therefore no compensatory measures are required.

13.2.7.1 Waste Manifests

This element includes those requirements found in 49 CFR172 Part 205 which is necessary to ensure the preparation of a hazardous waste manifest in accordance with 40 CFR Part 262.

This requirement is not discrepant, therefore no compensatory measures are required.

13.2.7.2 Shipping Papers

This element includes those requirements found in 49 CFR172 Parts 101 through 204 which are necessary to ensure: 1) the identification of hazardous substances under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA); 2) the determination of proper shipping names for hazardous substances; 3) the proper shipping names for hazardous wastes; 4) proper shipping names for subsidiary hazards, generic or n.o.s. descriptions, multiple hazard materials; 5) description of hazardous material required on a shipping paper; 6) shipping paper exemptions; 7) use of "Limited Quantity" following the basic description; 8) use of "RQ" on the shipping paper; 9) the description for a shipment of radioactive material; 10) description for packages containing residues in association with the basic description; and 11) the "shipper's certification" statement.

There are no discrepant requirements, therefore no compensatory measures are required.

13.2.10 Emergency Response Information

This element includes those requirements found in 49 CFR172 Parts 600 through 604 which are necessary to ensure proper emergency response: 1) applicability and general requirements; 2) response information; and 3) response telephone number requirements.

There are no discrepant requirements, therefore no compensatory measures are required.

13.2.12 Loading Operations

This element includes those requirements found in 49 CFR172 Parts 448 and 848 which are necessary to ensure: 1) general transportation requirements; and 2) segregation of hazardous materials.

There are no discrepant requirements, therefore no compensatory measures are required.

13.2.13 Transportation Operations

This element includes those requirements found in 49 CFR172 Parts 474; 475 and which are necessary to ensure the quality control for construction of packaging.

There are no discrepant requirements, therefore no compensatory measures are required.

13.4.4 Personnel Protection

This element includes those requirements found in 49 CFR172 Parts 842(e) which are necessary to ensure the quality control requirements prior to each shipment of radioactive materials; and 3) persons in vehicles containing Class 7 (radioactive) materials.

There are no discrepant requirements, therefore no compensatory measures are required.

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PT
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	All	All	All	58

13.2.1 Packaging
- 49CFR173 Part 12
- 49CFR173 Part 22(a)(1) thru (2)
- 49CFR173 Part 22(a)(3)
- 49CFR173 Part 421(2)(a)
- 49CFR173 Part 421(2)(b) 11
- 49CFR173 Part 421(2)(c)
- 49CFR173 Part 421-1
- 49CFR173 Part 425
- 49CFR173 Part 441
- 49CFR173 Part 442
- 49CFR173 Part 443

13.2.6.1 Marking Requirements
- 49CFR172 Part 300
- 49CFR172 Part 301
- 49CFR172 Part 303
- 49CFR172 Part 304
- 49CFR172 Part 310 10
- 49CFR172 Part 312
- 49CFR172 Part 332
- 49CFR172 Part 334
- 49CFR172 Part 336
- 49CFR172(941001) Part 308

13.2.6.2 Labeling Requirements
- 49CFR172 Part 400
- 49CFR172 Part 401
- 49CFR172 Part 402 8
- 49CFR172 Part 403
- 49CFR172 Part 404
- 49CFR172 Part 405
- 49CFR172 Part 406
- 49CFR172 Part 407

13.2.6.3 Placarding Requirements
- 49CFR172 Part 500
- 49CFR172 Part 502
- 49CFR172 Part 504 6
- 49CFR172 Part 505
- 49CFR172 Part 506
- 49CFR172 Part 516

13.2.7.1 Waste Manifests 2
- 49CFR172 Part 205
- RCRA-B(DW)(940829) Part II.Q.1

13.2.7.2 Shipping Papers
- 49CFR172 Part 101(c)(8)
- 49CFR172 Part 101(c)(9)
- 49CFR172 Part 101(c)(12)
- 49CFR172 Part 200
- 49CFR172 Part 201 17
- 49CFR172 Part 202
- 49CFR172 Part 203(a)
- 49CFR172 Part 203(b)
- 49CFR172 Part 203(c)
- 49CFR172 Part 203(d)
- 49CFR172 Part 203(e)
- 49CFR172 Part 204

13.2.10 Emergency Response Information
- 49CFR172 Part 600

Applicable	SRID	Price Anderson	Status	Found
Yes	All	All	All	58

49CFR172 Part 602 3
49CFR172 Part 604

13.2.12 Loading Operations 2
49CFR173 Part 448
49CFR177 Part 848

13.2.13 Transportation Operations 3
49CFR173 Part 474
49CFR173 Part 475
DOE1540.1A Chapter II, Section 4.b.(1)(b)

13.4.4 Personnel Protection During Movement of Hazardous Materials 1
49CFR177 Part 842(e)

SRID Element	Location	Applicable Incorporated Implementing Manuals		
13.2.1 Packaging	49CFR173 Part 12	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part III Section 2.0
				Part IV Section 1.2.2
			WHC-EP-0063	Entire Document Chapter 6.0, Section 6.2.3.2, Para 1
	49CFR173 Part 22(a)(1) thru (2)	A Incorp	WHC-CM-2-14	Part III
				Part IV
			WHC-EP-0063	1 4.0
	49CFR173 Part 22(a)(3)	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part IV 2.3
	49CFR173 Part 421(2)(a)	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part IV Section 1.2.2
			WHC-EP-0063	6.0 6.2.3.2
				8.0 8.6
	49CFR173 Part 421(2)(b)	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part IV
			WHC-EP-0063	6.0
				8.0
	49CFR173 Part 421(2)(c)	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part IV
			WHC-EP-0063	6.0
				8.0
	49CFR173 Part 421-1	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part IV
			WHC-EP-0063	Entire Document Chapter 2.0, Section 2.5.2, Para 1
	49CFR173 Part 425	A Incorp	WHC-CM-2-14	Part IV
			WHC-EP-0063	8.0
	49CFR173 Part 441	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part IV
			WHC-EP-0063	8.0 8.6

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	49CFR173 Part 442	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part IV
			WHC-EP-0063	3.0 3.7
	49CFR173 Part 443	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part IV
			WHC-EP-0063	3.0 3.7
13.2.6.1 Marking Requirements	49CFR172 Part 300	A Incorp	TO-100-002	ENTIRE DOCUMENT
			WHC-CM-2-14	Part I 2.0
				Part III 2.0
				Part IV 3.2.2. (8)
			WHC-EP-0063	1
	49CFR172 Part 301	A Incorp	TO-100-002	ENTIRE DOCUMENT
			WHC-CM-2-14	Part I 2.0
				Part III
				Part IV
			WHC-EP-0063	Entire Document Chapter 6.0, Section 6.2.4.1, Para 1
	49CFR172 Part 303	A Incorp	TO-100-002	ENTIRE DOCUMENT
			WHC-CM-2-14	Part III 2.0
				Part IV 1.2.2,(5)
				Part IV 3.2.2
			WHC-EP-0063	6.0
				8.0
	49CFR172 Part 304	A Incorp	TO-100-002	ENTIRE DOCUMENT
			WHC-CM-2-14	Part I Section 2.0, Para 3
				Part III 2.0
				Part IV 1.2.2
				Part IV 3.2.2
			WHC-EP-0063	Entire Document Chapter 6.0, Section 6.2.4.1, Para 1

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	49CFR172 Part 310	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part IV
			WHC-EP-0063	Entire Document Chapter 3.0, Section 3.8.1, Para 1
				Entire Document Chapter 3.0, Section 3.8.2, Para 1
	49CFR172 Part 312	A Incorp	WHC-CM-2-14	Part III
				Part IV
			WHC-EP-0063	6.0 6.2.4..1
	49CFR172 Part 332	A Incorp	WHC-CM-2-14	Part IV 3.2.1
			WHC-EP-0063	4.0 4.6
				6.0 6.2.4.1
	49CFR172 Part 334	A Incorp	WHC-CM-2-14	Part IV 3.2.2.
			WHC-EP-0063	4.0 4.6
	49CFR172 Part 336	A Incorp	WHC-CM-2-14	Part IV 3.2.2
			WHC-EP-0063	4.0 4.6
	49CFR172(941001) Part 308	A Incorp	WHC-CM-2-14	Part I 2.0
				Part III
				Part IV
			WHC-EP-0063	1
				4.0 4.6
3.2.6.2 Labeling Requirements	49CFR172 Part 400	A Incorp	TO-100-002	ENTIRE DOCUMENT
			WHC-CM-2-14	Part I Section 2.0, Para 3
				Part III
				Part IV
			WHC-EP-0063	4.0 4.6
				Entire Document Chapter 6.0, Section 6.2.4.1, Para 1
	49CFR172 Part 401	A Incorp	TO-100-002	ENTIRE DOCUMENT
			WHC-CM-2-14	Part III 2.0
				Part IV 3.2.2
			WHC-EP-0063	4.0 4.6
				6.0 6.2.4.1

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	49CFR172 Part 402	A Incorp	TO-100-002	ENTIRE DOCUMENT
			WHC-CM-2-14	Part I Section 2.0, Para 3
				Part III
				Part IV
			WHC-EP-0063	4.0 4.6
				Entire Document Chapter 6.0, Section 6.2.4.1, Para 1
	49CFR172 Part 403	A Incorp	TO-100-002	ENTIRE DOCUMENT
			WHC-CM-2-14	Part I Section 2.0, Para 3
				Part IV
			WHC-EP-0063	Entire Document Chapter 3.0, Section 3.8.1, Para 1
				Entire Document Chapter 3.0, Section 3.8.2, Para 1
	49CFR172 Part 404	A Incorp	TO-100-002	ENTIRE DOCUMENT
			WHC-CM-2-14	Part I Section 2.0, Para 3
				Part III
				Part IV
			WHC-EP-0063	Entire Document Chapter 6.0, Section 6.2.4.1, Para 1
	49CFR172 Part 405	A Incorp	WHC-CM-2-14	Part III
				Part IV
			WHC-EP-0063	4.0 4.6
				6.0 6.2.4.1
	49CFR172 Part 406	A Incorp	TO-100-002	ENTIRE DOCUMENT
			WHC-CM-2-14	Part I Section 2.0, Para 3
				Part III
				Part IV
			WHC-EP-0063	4.0 4.6
				6.0 6.2.4.1

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	49CFR172 Part 407	A Incorp	WHC-CM-2-14	Part III
				Part IV
			WHC-EP-0063	4.0 4.6
				6.0 6.2.4.1
13.2.6.3 Placarding Requirements	49CFR172 Part 500	A Incorp	WHC-CM-2-14	Part I 2.0
				Part III
				Part IV
			WHC-EP-0063	1.0 4.1.2
	49CFR172 Part 502	A Incorp	WHC-CM-2-14	Part I 2.0
				Part III
				Part IV
			WHC-EP-0063	1.0 4.1.2
	49CFR172 Part 504	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part III
				Part IV
			WHC-EP-0063	1.0 4.1.2
				Entire Document Chapter 6.0, Section 6.2.5.2, Para 4
	49CFR172 Part 505	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part III
				Part IV
			WHC-EP-0063	1.0 4.1.2
				Entire Document Chapter 6.0, Section 6.2.5.2, Para 4
	49CFR172 Part 506	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part III
				Part IV
			WHC-EP-0063	1.0 4.1.2
				Entire Document Chapter 6.0, Section 6.2.5.2, Para 4

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	49CFR172 Part 516	A Incorp	WHC-CM-2-14	Part I
				Part III
				Part IV
			WHC-EP-0063	1.0 4.1.2
				6.0 6.2.5.2., paragraph 4
13.2.7.1 Waste Manifests	49CFR172 Part 205	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part III 2.0
				Part III 4.0
				Part IV
			WHC-EP-0063	1.0 4.1.2
				Entire Document Chapter 6.0, Section 6.1.2.1, Para 1i
	RCRA-B(DW)(940829) Part II.Q.1	A Incorp	WHC-CM-2-14	Part III
				Part IV
13.2.7.2 Shipping Papers	49CFR172 Part 101(c)(8)	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part III
				Part IV
			WHC-EP-0063	1.0 4.1.2
	49CFR172 Part 101(c)(9)	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part III
				Part IV
			WHC-EP-0063	1.0 4.1.2
	49CFR172 Part 101(c)(12)	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part III
				Part IV
			WHC-EP-0063	Entire Document Chapter 6.0, Section 6.2.4.1, Para 2
	49CFR172 Part 200	A Incorp	WHC-CM-2-14	Part III
				Part IV
	49CFR172 Part 201	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part III
				Part IV
			WHC-EP-0063	1.0 4.1.2

SRID Element	Location	Applicable Incorporated Implementing Manuals		
				Entire Document Appendix H
	49CFR172 Part 202	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part III
				Part IV
			WHC-EP-0063	1.0 4.1.2
				Entire Document Appendix H
	49CFR172 Part 203(a)	A Incorp	WHC-CM-2-14	Part II 2.0
				Part III
				Part IV
			WHC-EP-0063	1.0 4.1.2
	49CFR172 Part 203(b)	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part III
				Part IV
			WHC-EP-0063	1.0 4.1.2
				Entire Document Chapter 6.0, Section 6.2.4.1, Para 1
				Entire Document Chapter 6.0, Section 6.2.4.1, Para 2
	49CFR172 Part 203(c)	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part III
				Part IV
			WHC-EP-0063	Entire Document Chapter 6.0, Section 6.2.4.1, Para 1
				Entire Document Chapter 6.0, Section 6.2.4.1, Para 2
	49CFR172 Part 203(d)	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part IV
			WHC-EP-0063	1.0 4.1.2
				8.0 8.7.2
	49CFR172 Part 203(e)	A Incorp	WHC-CM-2-14	Part II
				Part III
				Part IV
			WHC-EP-0063	1.0 4.1.2

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	49CFR172 Part 204	A Incorp	WHC-CM-2-14	Part II
			WHC-EP-0063	1.0 4.1.2.
13.2.10 Emergency Response Information	49CFR172 Part 600	A Incorp	WHC-CM-2-14	Part II
	49CFR172 Part 602	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part III
				Part IV
	49CFR172 Part 604	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part III
				Part IV
13.2.12 Loading Operations	49CFR173 Part 448	A Incorp	TO-100-010	ENTIRE DOCUMENT 5.3
			WHC-CM-2-14	Part IV Section 1.2.2, Para 11
	49CFR177 Part 848	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part III Section 2.0, Para 6
13.2.13 Transportation Operations	49CFR173 Part 474	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part IV Section 1.1.1, Para 2
				Part IV Section 1.1.1, Para 3
			WHC-EP-0063	1.0 4.1.2
	49CFR173 Part 475	A Incorp	WHC-CM-2-14	Part I Section 2.0, Para 3
				Part IV
				Part IV Section 1.1.1, Para 2
			WHC-EP-0063	Entire Document Chapter 5.0, Section 5.3
				Entire Document Chapter 5.0, Section 5.3.1
				Entire Document Chapter 5.0, Section 5.3.2
				Entire Document Chapter 5.0, Section 5.4

SRID Element	Location	Applicable Incorporated Implementing Manuals	
			Entire Document Chapter 5.0, Section 5.4.1
	DOE1540.1A Chapter II, Section 4.b.(1)(b)	A Incorp WHC-CM-2-14	Part I
13.4.4 Personnel Protection During Movement of Hazardous Materials	49CFR177 Part 842(c)	A Incorp WHC-CM-2-14	Part I Section 2.0, Para 3

3.14 Environmental Restoration

The Environmental Restoration is a functional area that has been determined to be not applicable to the Tank Farms S/RID and since it is not applicable, there is no detailed functional report.

3.15 Decontamination & Decommissioning

Decontamination & Decommissioning is a functional area that has been determined to be not applicable to the Tank Farms S/RID and since it is not applicable, there is no detailed functional report.

3.16 Waste Management

WASTE MANAGEMENT

1.0 INTRODUCTION

This assessment consisted of reviewing requirements that provide for protection of the environment from actives associated with the management of waste. The requirements were listed as Chapter 16 of the Standards/Requirements Identification Document (S/RID). Personnel [J. D. Guberski & K. A. Engelhardt] from Tank Farms Transition Project, Environmental Compliance and Support Services, performed the Phase 1 assessment. The major interface area was with the ENVIRONMENTAL PROTECTION functional area, which was assessed by the same individuals. Minor contact was made with the Transportation Organization to confirm scope of procedures. Other assessment teams were not contacted.

The assessment was performed by comparing the S/RID requirements to the primary environmental documents used within WHC, WHC-CM-7-5, "Environmental Compliance", and WHC-EP-0693, "Hanford Site Solid Waste Acceptance Criteria". The Waste Management functional area requirements, applicable to TWRS, mainly address protection of the environment from wastes stored in the single and double shell tank systems. This includes wastes generated during routine activities related to the storage, monitoring, characterization, and planned disposal of the waste or tank system equipment.

2.0 SUMMARY

This assessment indicates that the overall S/RID compliance status, for WASTE MANAGEMENT, is high. This is attributed to both the Central Waste Complex, TFTP Solid Waste Engineering, and TFTP Waste Operations personnel ensuring that requirements are contained in company procedures.

Within the Waste Management functional area 320 individual requirements were evaluated. Of these, 285 were evaluated as being implemented in controlled procedures and 27 were evaluated as being discrepant, none of which require immediate compensatory action nor have any impact on safety-related criteria. The remaining eight requirements were judged to be not applicable.

3.0 DETAILED RESULTS

The WASTE CHARACTERIZATION element [16.1] address the actions necessary to characterize radioactive and hazardous waste to ensure the proper handling, packaging, shipping, and disposal requirements are identified and implemented. Waste that is both radioactive and hazardous is also addressed. WHC-CM-7-5, "Environmental Compliance" appropriately describes

how to perform characterization, while WHC-EP-0693, Hanford Site Solid Waste Acceptance Criteria address the characterization criteria for packaging, shipment, or disposal.

The PACKAGING AND LABELING element [16.2] address the requirements to properly package and label radioactive or hazardous waste packages to ensure compliance with limits on exposure to, or discharge of, harmful or potentially harmful substances. The intent is protection of the environment, the public, and workers. WHC-CM-7-5 correctly describes what actions and information are needed to ensure compliance.

The TRANSPORTATION element [16.3] is covered in the packaging and transportation functional area. The PLANS, RECORDS, AND REPORTS element [16.4] identifies the general requirements on developing and maintaining records of the types, quantities, and form of wastes generated, treated, stored, disposed, or shipped from the facility. Routine and non-routine report requirements are also identified. The PERMITTING element [16.5] is addressed in the Environmental Protection functional area.

The WASTE ACCEPTANCE CRITERIA element [16.6] address the requirements on the acceptance, treatment, and disposal of wastes. The WASTE MINIMIZATION element [16.7] is addressed in the Environmental Protection functional area under Pollution Prevention. The WASTE TREATMENT AND DISPOSAL TECHNOLOGY element [16.8] address the requirements for treatment and disposal methods of waste, management of containers, asbestos, underground tank systems and used oil. Closure of the facility used to treat and dispose of waste is also addressed. Several requirements on the use of used oil for energy recovery and asbestos removal are not applicable to TFTP as ICF-Kaiser is responsible for these areas.

The RADIOLOGICAL PERFORMANCE ASSESSMENT element [16.9] is addressed in the Radiological functional area. The WASTE CATEGORIES element [16.10] is addressed in the Environmental Protection functional area.

Table 3.1 Waste Management S/RID Element Status contains five columns; the first shows the Functional Area sub-element numerical identifier, the second shows the sub-element description, the third, fourth, and fifth show the sub-element requirement status as being "incorporated" (Inc), "not applicable" (N/A), or "discrepant" (Dis), respectively. Any requirement marked "Dis" is discussed in Section 4.0 dealing with discrepancies.

4.0 DISCREPANCIES

The following describes the discrepancies listed in Table 3.1 For each discrepancy, there is a stated plan of action for resolution. In addition, the priority of the resolution action is identified. Priorities have been grouped into three categories: Immediate, Prompt, or Routine actions. Immediate actions are those necessary to resolve a

Table 3.1 Waste Management S/RID Element Status

Element Identifier	Element Description	Inc	N/A	Dis
16.1	Waste Characterization and Certification	80		12
16.2	Packaging and Labeling Compliance	38		6
16.4	Plans, Records and Reporting	41		
16.6	Waste Acceptance Criteria	10		
16.8	Waste Treatment and Disposal Technology	34	11	9

safety-related compliance issue and would be resolved within 2-4 weeks. Prompt actions are those that are administrative in nature but do affect the ability of WHC to demonstrate compliance with regulatory requirements and would be completed within 12-16 weeks. Routine actions are those actions necessary to update forms or procedures (e.g., include new report distribution requirements) and would be completed at the next procedure revision cycle.

For this functional area, the 27 discrepancies were discussed by the controlled procedures needing to be updated. For example, WHC-CM-6-1, Section 2.2 must be updated to incorporate nine discrepant requirements. The remaining 18 discrepancies must be incorporated into WHC-CM-7-5 at various locations.

Sub-element 16.1.3 - Mixed/Dangerous Waste

WHC-CM-7-5, Section 7.10.2.4 does not address the certification requirements nor the testing and treatment standards for residues included in 40CFR268.7. Tank Farms Waste Shipment Operations is aware of the requirement and complies with them. [7 conditions involved]

Routine - Update Section 7.6 to include requirements and update 7.10.2.4 to identify that these items are addressed in 7.6.

WHC-CM-7-5, Section 7.6.13 does not include restrictions on disposal of extremely hazardous waste. Restriction is well known to waste shipment organizations.

Routine - Update Section 7.6.13 or Table 7-1 to address restrictions.

WHC-CM-7-5, Section 7.6 does not identify when wastes may be separated or diluted per WAC 173-303-150. Nor does it address monthly summation for designation. [3 conditions involved]. Requirements are well known to those who designate waste or specify treatment methods.

Routine - Update Section 7.6 to identify that regulations address when separation or dilution of wastes can occur.

WHC-CM-7-5, Section 7.6 does not identify that special wastes have options on manifest mechanisms and accumulation periods.

Routine - Update Section 7.6 if special wastes exist or will exist at TWRS.

WHC-CM-7-5, Section 3.6 does not discuss the disposal requirements for PCB items. PCB items are stored by organizations other than tank farms. An exception is small, intact, non-leaking, light ballasts and capacitors which may be disposed of as clean items.

Routine - Update Section 3.6 to identify that disposal of PCB items is by others or identify that restrictions exist and where. [4 conditions involved]

WHC-CM-7-5, Section 3.6 does not discuss options for storage of large PCB electrical items nor large amounts of PCB liquids.

Routine - Update Section 3.6 to discuss these options if such items exist in TWRS. [2 conditions involved].

WHC-CM-6-1, Section EP 2.2 needs to be updated to address the tank integrity assessment requirements that would apply to new tanks and ancillary equipment.

Routine - Include these WAC 173-303-640 [2], [3], [7], and [10] requirements in the above manual or in the systems engineering functional requirements document for tank farm design.

8/9/96

WM
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	All	All	Price	285

Incorporated.

16.1.1 TRU Waste
DOE5820.2A Chapter II, Section 3.a(1)
DOE5820.2A Chapter II, Section 3.a(2)
DOE5820.2A Chapter II, Section 3.a(3)
DOE5820.2A Chapter II, Section 3.a(4)
DOE5820.2A Chapter II, Section 3.c(1)
DOE5820.2A Chapter II, Section 3.c(8)
DOE5820.2A Chapter II, Section 3.c(9)
DOE5820.2A Chapter II, Section 3.c(11)

16.1.2 Low-Level Radioactive Waste
DOE5820.2A Chapter III, Section 3.d(1)
DOE5820.2A Chapter III, Section 3.d(2)
DOE5820.2A Chapter III, Section 3.e(3)

16.1.3 Mixed/Dangerous Waste
40CFR262 Part 11(a) thru (c)
40CFR262 Part 11(d)
40CFR268 Part 7(b)(4)
40CFR268(940701) Part 7(a)(1)
40CFR268(940701) Part 7(a)(2)
40CFR268(940701) Part 7(a)(3)
40CFR268(940701) Part 7(a)(4)
40CFR268(940701) Part 7(a)(5)
40CFR268(940701) Part 7(a)(6)
40CFR268(940701) Part 7(a)(7)
40CFR268(940701) Part 7(a)(8)
40CFR268(940701) Part 9(a)
40CFR268(940701) Part 9(b)
40CFR268(940701) Part 9(c)
40CFR268(940701) Part 9(d)
WAC-173-303(940523) Section 070(2)(a)
WAC-173-303(940523) Section 070(2)(b)
WAC-173-303(940523) Section 070(3)
WAC-173-303(940523) Section 070(4)
WAC-173-303(940523) Section 070(5)
WAC-173-303(940523) Section 070(6)
WAC-173-303(940523) Section 081(1)
WAC-173-303(940523) Section 081(3)
WAC-173-303(940523) Section 081(4)
WAC-173-303(940523) Section 082(1)
WAC-173-303(940523) Section 082(2)
WAC-173-303(940523) Section 082(3)
WAC-173-303(940523) Section 082(4)
WAC-173-303(940523) Section 090(5)
WAC-173-303(940523) Section 090(6)
WAC-173-303(940523) Section 090(7)
WAC-173-303(940523) Section 090(8)
WAC-173-303(940523) Section 100(3)
WAC-173-303(940523) Section 100(5)
WAC-173-303(940523) Section 100(5)(a)
WAC-173-303(940523) Section 100(5)(b)
WAC-173-303(940523) Section 100(5)(c)
WAC-173-303(940523) Section 100(5)(d)
WAC-173-303(940523) Section 100(5)(e)
WAC-173-303(940523) Section 100(6)
WAC-173-303(940523) Section 100(6)(a)
WAC-173-303(940523) Section 100(6)(b)
WAC-173-303(940523) Section 100(6)(c)
WAC-173-303(940523) Section 100(7)(a)
WAC-173-303(940523) Section 100(7)(b)
WAC-173-303(940523) Section 100(7)(c)
WAC-173-303(940523) Section 120(1)
WAC-173-303(940523) Section 120(2)

WM
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	All	All	Price	285

WAC-173-303(940523) Section 120(3)
WAC-173-303(940523) Section 120(4)
WAC-173-303(940523) Section 140(4)
WAC-173-303(940523) Section 140(4)(b)
WAC-173-303(940523) Section 140(4)(c)
WAC-173-303(940523) Section 140(4)(d)
WAC-173-303(940523) Section 170(1)
WAC-173-303(940523) Section 170(2)
WAC-173-303(940523) Section 170(3)
WAC-173-303(940523) Section 170(5)

16.2.1 Low-Level Radioactive Waste Packaging
DOE5820.2A Chapter III, Section 3.i(5)(a)
DOE5820.2A Chapter III, Section 3.i(5)(b)
DOE5820.2A Chapter III, Section 3.i(5)(c)
DOE5820.2A Chapter III, Section 3.i(5)(d)
DOE5820.2A Chapter III, Section 3.i(5)(e)
DOE5820.2A Chapter III, Section 3.i(5)(f)

16.2.2 Dangerous/Mixed Waste Packaging and Labeling
WAC-173-303(940523) Section 104(2)
WAC-173-303(940523) Section 161
WAC-173-303(940523) Section 395(1)(d)
WAC-173-303(940523) Section 395(6)

16.2.3 PCB Waste Labeling
40CFR761 Part 40(a)(1)
40CFR761 Part 40(a)(2)
40CFR761 Part 40(a)(3)
40CFR761 Part 40(a)(4)
40CFR761 Part 40(a)(5)
40CFR761 Part 40(a)(6)
40CFR761 Part 40(a)(7)
40CFR761 Part 40(a)(8)
40CFR761 Part 40(a)(9)
40CFR761 Part 40(b)
40CFR761 Part 40(e)
40CFR761 Part 40(h)
40CFR761 Part 45
40CFR761 Part 60(a)(1) and (2)
40CFR761 Part 60(a)(2)(iii)(D)(3)(iii)(E)(6)
40CFR761 Part 65(c)(1)
40CFR761 Part 65(c)(3)
40CFR761 Part 65(c)(4)
40CFR761 Part 65(c)(5)
40CFR761 Part 65(c)(6)
40CFR761 Part 65(c)(8)
40CFR761 Part 65(c)(9)

16.4.1 TRU Waste
DOE5820.2A Chapter II, Section 3.e(6)

16.4.2 Low-Level Radioactive Waste
DOE5820.2A Chapter III, Section 3.c(2)
DOE5820.2A Chapter III, Section 3.m(1)
DOE5820.2A Chapter III, Section 3.m(2)

16.4.4 PCB Waste
40CFR761 Part 180(a)
TPA Part Five, Article XXXVI, Section 113
WAC-173-303(940523) Section 060(1)
WAC-173-303(940523) Section 060(5)
WAC-173-303(940523) Section 210(1)
WAC-173-303(940523) Section 210(2)
WAC-173-303(940523) Section 210(3)

WM
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	All	All	Price	285

WAC-173-303(940523) Section 210(4)
WAC-173-303(940523) Section 210(5)
WAC-173-303(940523) Section 210(6)
WAC-173-303(940523) Section 220(1)
WAC-173-303(940523) Section 380(1)
WAC-173-303(940523) Section 380(2) Introduction
WAC-173-303(940523) Section 380(2)(a)
WAC-173-303(940523) Section 380(2)(b)
WAC-173-303(940523) Section 380(2)(c)
WAC-173-303(940523) Section 380(2)(d)
WAC-173-303(940523) Section 390(1)
WAC-173-303(940523) Section 390(2)
WAC-173-303(940523) Section 390(3)
WAC-173-303(940523) Section 390(4)
WAC-173-303(940523) Section 610(3)
WAC-173-303(940523) Section 610(3)(b)
WAC-173-303(940523) Section 610(3)(b)(i)
WAC-173-303(940523) Section 610(3)(b)(ii)
WAC-173-303(940523) Section 610(3)(b)(iii)
WAC-173-303(940523) Section 610(3)(b)(iv)
WAC-173-303(940523) Section 610(3)(c)(i)
WAC-173-303(940523) Section 610(3)(c)(ii)
WAC-173-303(940523) Section 610(3)(c)(iii)
WAC-173-303(940523) Section 610(3)(c)(iv)
WAC-173-303(940523) Section 610(4)(a)
WAC-173-303(940523) Section 610(4)(b)
WAC-173-303(940523) Section 610(4)(c)
WAC-173-303(940523) Section 610(4)(d)
WAC-173-303(940523) Section 610(5)

16.6.1 TRU Waste
DOE5820.2A Chapter II, Section 3.d

16.6.2 Low-Level Radioactive Waste
DOE5820.2A Chapter III, Section 3.e(2)
DOE5820.2A Chapter III, Section 3.e(4)
DOE5820.2A Chapter III, Section 3.e(5)

16.6.3 Mixed/Dangerous Waste
40CFR268(940701) Part 40(a)
40CFR268(940701) Part 40(b)
40CFR268(940701) Part 40(c)
40CFR268(940701) Part 40(e)
40CFR268(940701) Part 40(f)

16.6.4 PCB Waste
40CFR761 Part 79

16.7 Waste Minimization
DOE5820.2A Chapter II, Section 3.b(1)
DOE5820.2A Chapter II, Section 3.b(2)
DOE5820.2A Chapter II, Section 3.b(3)
DOE5820.2A Chapter II, Section 3.e Introduction and 3.e(1)
DOE5820.2A Chapter III, Section 3.c(1)
DOE5820.2A Chapter III, Section 3.c(3)
DOE5820.2A Chapter III, Section 3.c(4)

16.8.1 Low-Level Radioactive Waste
DOE5820.2A Chapter III, Section 3.a(2)
DOE5820.2A Chapter III, Section 3.f(1)
DOE5820.2A Chapter III, Section 3.f(3)
DOE5820.2A Chapter III, Section 3.f(4)
WAC-173-303(940523) Section 141(1)
WAC-173-303(940523) Section 141(2)

16.8.2 Mixed/Dangerous Waste
WAC-173-303(940523) Section 283(3)

WM
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	All	All	Price	285

WAC-173-303(940523) Section 300(2)
WAC-173-303(940523) Section 300(4)
WAC-173-303(940523) Section 300(5)
WAC-173-303(940523) Section 395(1)(a)
WAC-173-303(940523) Section 395(1)(b)
WAC-173-303(940523) Section 395(1)(c)
WAC-173-303(940523) Section 395(1)(d)
WAC-173-303(940523) Section 395(2)
WAC-173-303(940523) Section 395(3)
WAC-173-303(940523) Section 395(4)
WAC-173-303(940523) Section 395(5)(a)
WAC-173-303(940523) Section 395(5)(b)
WAC-173-303(940523) Section 395(5)(c)
WAC-173-303(940523) Section 395(6)

16.8.2.1 Management of Containers
WAC-173-303(940523) Section 160(1)
WAC-173-303(940523) Section 160(2)
WAC-173-303(940523) Section 200(1)
WAC-173-303(940523) Section 630(2)
WAC-173-303(940523) Section 630(3)
WAC-173-303(940523) Section 630(4)
WAC-173-303(940523) Section 630(5)(a)
WAC-173-303(940523) Section 630(5)(b)
WAC-173-303(940523) Section 630(5)(c)
WAC-173-303(940523) Section 630(6)
WAC-173-303(940523) Section 630(7)(a)
WAC-173-303(940523) Section 630(7)(b)
WAC-173-303(940523) Section 630(7)(c)
WAC-173-303(940523) Section 630(7)(d)
WAC-173-303(940523) Section 630(8)(a)
WAC-173-303(940523) Section 630(8)(b)
WAC-173-303(940523) Section 630(9)(a)
WAC-173-303(940523) Section 630(9)(b)
WAC-173-303(940523) Section 630(9)(c)
WAC-173-303(940523) Section 630(10)

16.8.2.2 Waste Treatment
40CFR265 Part 400
40CFR265 Part 401
40CFR265 Part 402
40CFR265 Part 403
40CFR265 Part 404
40CFR265 Part 405
40CFR265 Part 406

16.8.3 Asbestos Waste
40CFR61 Part 145(b)
40CFR61 Part 150(a)(1)
40CFR61 Part 150(a)(2)
40CFR61 Part 150(a)(4)
40CFR61 Part 150(a)(5)
94-FDB-015 Section A
94-FDB-015 Section B
WAC-296-65 Section 020
WAC-296-65 Section 030

16.8.4 Tank Systems
DOE5820.2A Chapter II, Section 3.e(4)
DOE5820.2A Chapter II, Section 3.e(5)
DOE5820.2A Chapter II, Section 3.e(7)
WAC-173-303(940523) Section 640(3)(c)
WAC-173-303(940523) Section 640(3)(d)
WAC-173-303(940523) Section 640(3)(e)
WAC-173-303(940523) Section 640(3)(f)

WM
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	All	All	Price	285

WAC-173-303(940523) Section 640(3)(g)
WAC-173-303(940523) Section 640(3)(h)
WAC-173-303(940523) Section 640(4)(a)
WAC-173-303(940523) Section 640(4)(b)
WAC-173-303(940523) Section 640(4)(d)
WAC-173-303(940523) Section 640(4)(e)
WAC-173-303(940523) Section 640(4)(f)
WAC-173-303(940523) Section 640(4)(i)
WAC-173-303(940523) Section 640(5)(a)
WAC-173-303(940523) Section 640(5)(b)
WAC-173-303(940523) Section 640(5)(c)
WAC-173-303(940523) Section 640(5)(d)
WAC-173-303(940523) Section 640(5)(e)
WAC-173-303(940523) Section 640(6)(a)
WAC-173-303(940523) Section 640(6)(b)
WAC-173-303(940523) Section 640(6)(c)
WAC-173-303(940523) Section 640(6)(d)
WAC-173-303(940523) Section 640(7) and (7)(a)
WAC-173-303(940523) Section 640(7)(b)(i)
WAC-173-303(940523) Section 640(7)(b)(ii)
WAC-173-303(940523) Section 640(7)(c)
WAC-173-303(940523) Section 640(7)(d)
WAC-173-303(940523) Section 640(7)(e) and (7)(e)(i)
WAC-173-303(940523) Section 640(7)(e)(ii)
WAC-173-303(940523) Section 640(8)(a)
WAC-173-303(940523) Section 640(8)(b)
WAC-173-303(940523) Section 640(8)(c)
WAC-173-303(940523) Section 640(9)(a)
WAC-173-303(940523) Section 640(10)(a)

16.8.5 Closure
TPA Attachment 2, Section 6.3.1
WAC-173-303(940523) Section 610(1)(a)
WAC-173-303(940523) Section 610(1)(c)
WAC-173-303(940523) Section 610(2) and (2)(a)
WAC-173-303(940523) Section 610(2)(b)
WAC-173-303(940523) Section 610(5)
WAC-173-303(940523) Section 610(6)
WAC-173-303(940523) Section 610(7)(a)
WAC-173-303(940523) Section 610(7)(b)
WAC-173-303(940523) Section 610(7)(c)
WAC-173-303(940523) Section 610(7)(d)
WAC-173-303(940523) Section 610(7)(e)
WAC-173-303(940523) Section 610(8)(a)
WAC-173-303(940523) Section 610(8)(b)
WAC-173-303(940523) Section 610(8)(c)
WAC-173-303(940523) Section 610(8)(d)
WAC-173-303(940523) Section 610(8)(d)(i)
WAC-173-303(940523) Section 610(8)(d)(ii)
WAC-173-303(940523) Section 610(8)(d)(iii)
WAC-173-303(940523) Section 610(8)(d)(iv)
WAC-173-303(940523) Section 610(9)
WAC-173-303(940523) Section 610(10)(a)
WAC-173-303(940523) Section 610(10)(b)
WAC-173-303(940523) Section 610(10)(c)
WAC-173-303(940523) Section 610(11)

16.8.6 Used Oil
40CFR279 Part 10(b)(1)
40CFR279 Part 10(b)(2)
40CFR279 Part 21
40CFR279 Part 22
40CFR279 Part 81
WAC-173-303(940523) Section 515(1)(a)
WAC-173-303(940523) Section 515(1)(b)

WM
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	All	All	Price	285

WAC-173-303(940523) Section 515(1)(c)
WAC-173-303(940523) Section 515(1)(d)

8/8/9

WM
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
No	All	All	All	8

NA

16.8.4 Tank Systems
DOE5820.2A Chapter II, Section 3.g(3)
WAC-173-303(940523) Section 640(1)(a)
WAC-173-303(940523) Section 640(1)(b)
WAC-173-303(940523) Section 640(1)(c)
WAC-173-303(940523) Section 640(4)(c)
WAC-173-303(940523) Section 640(7)(e)(iii)
WAC-173-303(940523) Section 640(7)(e)(iv)
WAC-173-303(940523) Section 640(9)(b)

SRID Element	Location	Applicable Incorporated Implementing Manuals		
16.1.1 TRU Waste	DOE5820.2A Chapter II, Section 3.a(1)	A Incorp	WHC-EP-0063	Entire Document
				Entire Document
	DOE5820.2A Chapter II, Section 3.a(2)	A Incorp	WHC-CM-5-16	1.0
			WHC-EP-0063	Entire Document
				Entire Document
				Entire Document
			WHC-SP-1142	Entire Document
	DOE5820.2A Chapter II, Section 3.a(3)	A Incorp	WHC-CM-5-16	1.0
				1.0
			WHC-EP-0063	Entire Document
			WHC-SP-1142	Entire Document
	DOE5820.2A Chapter II, Section 3.a(4)	A Incorp	WHC-CM-5-16	1.0
			WHC-CM-7-5	7.0
			WHC-EP-0063	Entire Document
				Entire Document
			WHC-SP-1142	Entire Document
	DOE5820.2A Chapter II, Section 3.c(1)	A Incorp	WHC-EP-0063	Entire Document
			WHC-SP-1142	Entire Document
	DOE5820.2A Chapter II, Section 3.c(8)	A Incorp	WHC-EP-0063	Entire Document
	DOE5820.2A Chapter II, Section 3.c(9)	A Incorp	WHC-EP-0063	Entire Document
	DOE5820.2A Chapter II, Section 3.c(11)	A Incorp	WHC-EP-0063	Entire Document
16.1.2 Low-Level Radioactive Waste	DOE5820.2A Chapter III, Section 3.d(1)	A Incorp	WHC-CM-5-16	1.0
			WHC-EP-0063	Entire Document
				Entire Document
	DOE5820.2A Chapter III, Section 3.d(2)	A Incorp	WHC-EP-0063	Entire Document
				Entire Document
	DOE5820.2A Chapter III, Section 3.e(3)	A Incorp	WHC-EP-0063	Entire Document
				Entire Document
				Entire Document
				Entire Document
				Entire Document
			WHC-SD-WM-EV-081	Entire Document
			WHC-SP-1026-3	Entire Document

SRID Element	Location	Applicable Incorporated Implementing Manuals		
16.1.3 Mixed/Dangerous Waste	40CFR262 Part 11(a) thru (c)	A Incorp	WHC-CM-7-5	7.0
				7.0
				7.0
				7.0
				7.0
				7.0
			WHC-EP-0063	Entire Document
				Entire Document
				Entire Document
				Entire Document
				Entire Document
				Entire Document
	40CFR262 Part 11(d)	A Incorp	WHC-CM-7-5	7.0
			WHC-EP-0063	Entire Document
	40CFR268(940701) Part 7(a)(1)	A Incorp	WHC-CM-7-5	7.0
				7.0
			WHC-EP-0063	Entire Document
	40CFR268(940701) Part 7(a)(2)	A Incorp	WHC-CM-7-5	7.0
			WHC-EP-0063	Entire Document
	40CFR268(940701) Part 7(a)(3)	A Incorp	WHC-CM-7-5	7.0
			WHC-EP-0063	Entire Document
	40CFR268(940701) Part 7(a)(5)	A Incorp	WHC-CM-7-5	7.0
				7.0
			WHC-EP-0063	Entire Document
	40CFR268(940701) Part 7(a)(6)	A Incorp	WHC-CM-7-5	7.0
				7.0
			WHC-EP-0063	Entire Document
	40CFR268(940701) Part 7(a)(7)	A Incorp	WHC-CM-7-5	7.0
				7.0
			WHC-EP-0063	Entire Document

SRID Element	Location	[illegible]plicable Incorporated Implementing Manuals		
	40CFR268(940701) Part 7(a)(8)	A Incorp	WHC-CM-7-5	7.0
				7.0
			WHC-EP-0063	Entire Document
	40CFR268(940701) Part 9(a)	A Incorp	WHC-CM-7-5	7.0
	40CFR268(940701) Part 9(b)	A Incorp	WHC-CM-7-5	7.0
	40CFR268(940701) Part 9(c)	A Incorp	WHC-CM-7-5	7.0
	40CFR268(940701) Part 9(d)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 070(2)(a)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 070(2)(b)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 070(3)	A Incorp	WHC-CM-7-5	7.0
				7.0
	WAC-173-303(940523) Section 070(4)	A Incorp	WHC-CM-7-5	7.0
				7.0
	WAC-173-303(940523) Section 070(5)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 070(6)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 081(1)	A Incorp	WHC-CM-7-5	7.0
				7.0
	WAC-173-303(940523) Section 081(3)	A Incorp	WHC-CM-7-5	7.0
				7.0
	WAC-173-303(940523) Section 081(4)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 082(1)	A Incorp	WHC-CM-7-5	7.0
				7.0
	WAC-173-303(940523) Section 082(3)	A Incorp	WHC-CM-7-5	7.0
				7.0
	WAC-173-303(940523) Section 082(4)	A Incorp	WHC-CM-7-5	7.0
				7.0
	WAC-173-303(940523) Section 090(5)	A Incorp	WHC-CM-7-5	7.0
				7.0
	WAC-173-303(940523) Section 090(6)	A Incorp	WHC-CM-7-5	7.0
				7.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	WAC-173-303(940523) Section 090(7)	A Incorp	WHC-CM-7-5	7.0
				7.0
	WAC-173-303(940523) Section 090(8)	A Incorp	WHC-CM-7-5	7.0
				7.0
	WAC-173-303(940523) Section 100(3)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 100(5)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 100(5)(a)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 100(5)(b)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 100(5)(c)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 100(5)(d)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 100(5)(e)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 100(6)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 100(6)(a)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 100(6)(b)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 100(6)(c)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 140(4)	A Incorp	WHC-CM-7-5	7.0
				7.0
	WAC-173-303(940523) Section 140(4)(c)	A Incorp	WHC-CM-7-5	7.0
				7.0
	WAC-173-303(940523) Section 140(4)(d)	A Incorp	WHC-CM-7-5	7.0
				7.0
16.2.1 Low-Level Radioactive Waste Packaging	DOE5820.2A Chapter III, Section 3.i(5)(a)	A Incorp	TO-100	TO-100-052
			WHC-EP-0063	Entire Document
				Entire Document
				Entire Document
				Entire Document

SRID Element	Location	[illegible]plicable Incorporated Implementing Manuals		
	DOE5820.2A Chapter III, Section 3.i(5)(b)	A Incorp	WHC-EP-0063	Entire Document
				Entire Document
	DOE5820.2A Chapter III, Section 3.i(5)(c)	A Incorp	TO-100	TO-100-052
			WHC-EP-0063	Entire Document
				Entire Document
	DOE5820.2A Chapter III, Section 3.i(5)(d)	A Incorp	TO-100	TO-100-053
			WHC-EP-0063	Entire Document
				Entire Document
	DOE5820.2A Chapter III, Section 3.i(5)(e)	A Incorp	WHC-EP-0063	Entire Document
				Entire Document
	DOE5820.2A Chapter III, Section 3.i(5)(f)	A Incorp	WHC-EP-0063	Entire Document
				Entire Document
				Entire Document
6.2.2 Dangerous/Mixed Waste Packaging and Labeling	WAC-173-303(940523) Section 104(2)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 161	A Incorp	WHC-EP-0063	Entire Document
				Entire Document
				Entire Document

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	WAC-173-303(940523) Section 395(6)	A Incorp	WHC-CM-7-5	7.0
				7.0
			WHC-EP-0063	Entire Document
16.2.3 PCB Waste Labeling	40CFR761 Part 40(a)(1)	A Incorp	WHC-CM-7-5	3.0
				3.0
	40CFR761 Part 40(a)(9)	A Incorp	WHC-CM-7-5	3.0
				3.0
	40CFR761 Part 40(b)	A Incorp	WHC-CM-7-5	3.0
				3.0
	40CFR761 Part 40(e)	A Incorp	WHC-CM-7-5	3.0
				3.0
	40CFR761 Part 40(h)	A Incorp	WHC-CM-7-5	3.0
				3.0
	40CFR761 Part 45	A Incorp	WHC-CM-7-5	3.0
				3.0
	40CFR761 Part 65(c)(1)	A Incorp	WHC-CM-7-5	3.0
	40CFR761 Part 65(c)(3)	A Incorp	WHC-CM-7-5	3.0
	40CFR761 Part 65(c)(4)	A Incorp	WHC-CM-4-3, Volume 4	HWO-1
	40CFR761 Part 65(c)(5)	A Incorp	WHC-CM-7-5	3.0
	40CFR761 Part 65(c)(6)	A Incorp	WHC-EP-0063	Entire Document
	40CFR761 Part 65(c)(8)	A Incorp	WHC-CM-7-5	3.0
				3.0
16.4.1 TRU Waste	DOE5820.2A Chapter II, Section 3.c(6)	A Incorp	DOE-RL-93-75	Entire Document
			WHC-CM-5-16	1.0
16.4.2 Low-Level Radioactive Waste	DOE5820.2A Chapter III, Section 3.c(2)	A Incorp	WHC-CM-1-3	MRP 5.44
			WHC-CM-5-16	1.0
			WHC-CM-7-5	9.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE5820.2A Chapter III, Section 3.m(1)	A Incorp	WHC-EP-0063	Entire Document
				Entire Document
	DOE5820.2A Chapter III, Section 3.m(2)	A Incorp	WHC-EP-0063	Entire Document
				Entire Document
16.4.4 PCB Waste	TPA Part Five, Article XXXVI, Section 113	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 060(1)	A Incorp	WHC-CM-2-14	Part I
				Part III
				Part III
				Part IV
			WHC-EP-0063	Entire Document
	WAC-173-303(940523) Section 210(2)	A Incorp	WHC-CM-7-5	7.0
				7.0
	WAC-173-303(940523) Section 210(3)	A Incorp	WHC-CM-7-5	7.0
				7.0
	WAC-173-303(940523) Section 210(4)	A Incorp	WHC-CM-7-5	7.0
				7.0
	WAC-173-303(940523) Section 210(5)	A Incorp	WHC-CM-7-5	7.0
				7.0
	WAC-173-303(940523) Section 210(6)	A Incorp	WHC-CM-7-5	7.0
				7.0
	WAC-173-303(940523) Section 380(1)	A Incorp	WHC-CM-7-5	5.0
	WAC-173-303(940523) Section 390(2)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 390(3)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 390(4)	A Incorp	WHC-CM-7-5	7.0
16.6.1 TRU Waste	DOE5820.2A Chapter II, Section 3.d	A Incorp	WHC-CM-2-14	Part IV
			WHC-EP-0063	Entire Document
16.6.2 Low-Level Radioactive Waste	DOE5820.2A Chapter III, Section 3.e(2)	A Incorp	WHC-EP-0063	Entire Document
	DOE5820.2A Chapter III, Section 3.e(4)	A Incorp	WHC-EP-0063	Entire Document
				Entire Document

SRID Element	Location	[illegible]plicable Incorporated Implementing Manuals		
	DOE5820.2A Chapter III, Section 3.c(5)	A Incorp	WHC-EP-0063	Entire Document
				Entire Document
				Entire Document
				Entire Document
				Entire Document
				Entire Document
16.6.4 PCB Waste	40CFR761 Part 79	A Incorp	WHC-CM-7-5	3.0
				3.0
16.7 Waste Minimization	DOE5820.2A Chapter II, Section 3.b(2)	A Incorp	WHC-EP-0063	2.0
				4.0
				Entire Document
	DOE5820.2A Chapter III, Section 3.c(1)	A Incorp	WHC-CM-1-3	MRP 5.44
			WHC-CM-5-16	1.0
			WHC-CM-7-5	9.0
			WHC-SD-WM-PLN-061	Entire Document
	DOE5820.2A Chapter III, Section 3.c(3)	A Incorp	WHC-CM-1-3	MRP 5.44
			WHC-CM-5-16	1.0
			WHC-EP-0063	Entire Document
				Entire Document
	DOE5820.2A Chapter III, Section 3.c(4)	A Incorp	WHC-CM-1-3	MRP 5.44
			WHC-CM-5-16	1.0
			WHC-EP-0063	Entire Document
			WHC-SD-WM-PLN-061	Entire Document
16.8.1 Low-Level Radioactive Waste	DOE5820.2A Chapter III, Section 3.a(2)	A Incorp	WHC-CM-7-5	2.0
				7.0
	DOE5820.2A Chapter III, Section 3.f(4)	A Incorp	WHC-CM-7-5	7.0
				7.0
			WHC-EP-0063	Entire Document
	WAC-173-303(940523) Section 141(1)	A Incorp	WHC-CM-7-5	7.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	WAC-173-303(940523) Section 141(2)	A Incorp	WHC-CM-7-5	7.0
16.8.2 Mixed/Dangerous Waste	WAC-173-303(940523) Section 283(3)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 395(6)	A Incorp	WHC-CM-7-5	7.0
				7.0
			WHC-EP-0063	Entire Document
16.8.2.1 Management of Containers	WAC-173-303(940523) Section 160(1)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 160(2)	A Incorp	WHC-CM-7-5	7.0
			WHC-EP-0063	Entire Document
	WAC-173-303(940523) Section 200(1)	A Incorp	WHC-CM-7-5	7.0
				7.0
	WAC-173-303(940523) Section 630(2)	A Incorp	WHC-CM-7-5	7.0
				7.0
				7.0
				7.0
	WAC-173-303(940523) Section 630(3)	A Incorp	WHC-CM-7-5	7.0
				7.0
				7.0
				7.0
	WAC-173-303(940523) Section 630(4)	A Incorp	WHC-CM-7-5	7.0
				7.0
				7.0
				7.0
	WAC-173-303(940523) Section 630(6)	A Incorp	WHC-CM-7-5	7.0
				7.0
				7.0
16.8.3 Asbestos Waste	40CFR61 Part 150(a)(1)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-EP-0063	Entire Document
	40CFR61 Part 150(a)(4)	A Incorp	WHC-CM-7-5	3.0
			WHC-EP-0063	Entire Document

SRID Element	Location	[illegible]plicable	Incorporated	Implementing Manuals	
	40CFR61 Part 150(a)(5)	A	Incorp	WHC-CM-7-5	3.0
				WHC-EP-0063	Entire Document
	94-FDB-015 Section A	A	Incorp	WHC-CM-7-5	3.0
					3.0
				WHC-EP-0063	Entire Document
	94-FDB-015 Section B	A	Incorp	WHC-CM-7-5	3.0
					3.0
				WHC-EP-0063	Entire Document
	WAC-296-65 Section 020	A	Incorp	WHC-CM-7-5	3.0
					3.0
	WAC-296-65 Section 030	A	Incorp	WHC-CM-7-5	3.0
				WHC-EP-0390	Entire Document
16.8.4 Tank Systems	WAC-173-303(940523) Section 640(4)(b)	A	Incorp	WHC-CM-7-5	7.0
				WHC-SDE-WM-ISB-001 VOL. 1	Entire Document
16.8.6 Used Oil	40CFR279 Part 10(b)(1)	A	Incorp	WHC-CM-7-5	7.0
					7.0
	40CFR279 Part 10(b)(2)	A	Incorp	WHC-CM-7-5	7.0
					7.0
	40CFR279 Part 21	A	Incorp	WHC-CM-7-5	7.0
					7.0
	40CFR279 Part 22	A	Incorp	WHC-CM-7-5	7.0
					7.0
	40CFR279 Part 81	A	Incorp	WHC-CM-7-5	7.0
					7.0

3.17 R&D / Experimental Activities

R&D / Experimental Activities is a functional area that has been determined to be not applicable to the Tank Farms S/RID and since it is not applicable, there is no detailed functional report.

3.18 Nuclear Safety

Nuclear Safety

1.0 INTRODUCTION

The Nuclear Safety functional area is comprised of four (4) functional area elements containing requirements and includes 61 individual requirement statements. The evaluation was completed by Scott Ritts (Management Strategies Inc, contracted by Safety Management Systems, Larry Eppler) and Eric Biebesheimer, reporting to Cynthia Day-Phalen, the Manager of Support Services and Business Improvements.

The four functional area elements that contained requirements which were evaluated are: Safety Analysis, Technical Safety Requirements, Unreviewed Safety Questions, and Nuclear Criticality Safety. The assessment process evaluated whether existing manuals and documentation implemented the requirements under assessment. Individual manuals and documentation used as evidence as are identified in the data bases in the ERMI computer program. The manuals and documentation listed in the data bases represent the evidence necessary to demonstrate the implementation status of the individual requirement.

The results of the completed assessment indicate that the applicable Tank Farm S/RID requirements for the Nuclear Safety Functional Area are implemented in WHC controlled Manuals, Procedures, or Documents. One requirement was judged to be not applicable.

2.0 SUMMARY

Within the Nuclear Safety functional area 61 individual requirements were evaluated. Of these, 60 were evaluated as being implemented in controlled procedures. As noted above, one was determined to be not applicable.

The following documents were evaluated and determined to implement the Nuclear Safety S/RID Requirements: Fire Protection Program Manual (WHC-CM-4-41), Safety Analysis Manual (WHC-CM-4-46), Nuclear Criticality Safety Manual (WHC-CM-4-29), Tank Waste Remediation System Administrative Procedures (WHC-IP-0842, Volume I, Sections 4.5 [OSR Surveillance Procedure Manual Trending/Notification System] Volume IV, Sections 5.3 [Criticality Safety], 5.4 [Unreviewed Safety Questions], SMS-01 [Development and Control of TWRS Safety Basis], SMS-05 [Facility Hazardous Material Inventory Document], SMS-07 [Integrated Work Process for Preparing Authorization Basis and Other Selected Safety Basis Documents], SMS-09 [Identification of Safety Structures, Systems, and Components], SMS-10 [Authorization Basis Amendments and Annual Updates].

3.0 DETAILED RESULTS

As noted earlier, this functional area has four elements containing requirements. The Safety Analysis element contains requirements dealing with the safety analysis report and hazards classification. The Technical Safety Requirements element contains requirements dealing with aspects of this element's requirements. The Unreviewed Safety Question element contains requirements dealing with aspects of this element's requirements. The Nuclear Criticality Safety element contains requirements dealing with Criticality Safety Design Practices and Materials Control.

Table 3.1 Nuclear Safety S/RID Element Status contains four columns; the first shows the Functional Area sub-element numerical identifier, the second shows the sub-element description, the third and fourth show the sub-element requirement status as being either "incorporated" (Inc) or "discrepant" (Dis) respectively. Any items marked "Dis" are discussed in paragraph 4.0 Discrepancies.

Table 3.1 Nuclear Safety S/RID Element Status

Element Identifier	Element Description	Inc	Dis
18.3	Safety Analysis	26	0
18.4	Technical Safety Requirements	13	0
18.5	Unreviewed Safety Questions	14	0
18.6	Nuclear Criticality Safety	7	0

Table 3.1 depicts a total of 60 incorporated requirements. The functional area contains 61 requirements. As noted earlier, one requirement was determined to be not applicable.

4.0 DISCREPANCIES

There are no discrepancies for this functional area.

Were there any discrepancies, they would be discussed within this section. In addition, the priority of the resolution action is identified. Priorities have been grouped into three categories: Immediate, prompt, or routine actions. Immediate actions are those necessary to resolve a safety-related compliance issue and would be resolved within 2-4 weeks. Prompt actions are those that are administrative in nature but do affect the ability of WHC to demonstrate compliance with regulatory requirements and would be completed within 12-

16 weeks. Routine actions are those actions necessary to update forms or procedures (e.g., include new report distribution requirements) and would be completed at the next procedures revision cycle.

9/20/96

NS
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	60

INC

18.3 Safety Analysis
DOE5480.23(940310) Section 8
DOE5480.23(940310) Section 8.a.(1)
DOE5480.24 Section 7.f.(1)

18.3.1 Safety Analysis Report
DOE5480.23(940310) Section 8.b.(1)
DOE5480.23(940310) Section 8.b.(2)
DOE5480.23(940310) Section 8.b.(3)
DOE5480.23(940310) Section 8.d
DOE5480.23(940310) Section 9.a.(1), Sentence 1
DOE5480.23(940310) Section 9.a.(1), Sentence 3
DOE5480.23(940310) Section 9.a.(2)
DOE5480.23(940310) Section 9.b.(2)
DOE5480.23(940310) Section 9.c.
DOE5480.24 Section 7.c. Paragraph 1
DOE5480.24 Section 7.c. Paragraph 2, Sentence 1 and 2
DOE5480.24 Section 7.c.(1)
DOE5480.24 Section 7.c.(2)
DOE5480.24 Section 7.c.(3)
DOE5480.24 Section 7.c.(4)
DOE5480.24 Section 7.c.(5)
DOE5480.24 Section 7.c.(6)
DOE5480.24 Section 7.c.(8)
DOE5480.7A Section 9.a.(3)

18.3.2 Hazard Classification
DOE5480.23(940310) Section 8.c.(1)
DOE5480.23(940310) Section 8.c.(2)
DOE5480.23(940310) Section 8.c.(3)
DOE5480.23(940310) Section 8.c.(4)

18.4 Technical Safety Requirements
DOE5480.22 Section 9.a
DOE5480.22 Section 9.b, Sentences 1 and 2
DOE5480.22 Section 9.e.(1)
DOE5480.22 Section 9.e.(2)
DOE5480.22 Section 9.e.(3)(a)
DOE5480.22 Section 9.e.(3)(b)
DOE5480.22 Section 9.e.(4)
DOE5480.22 Section 9.e.(5)
DOE5480.22 Section 9.e.(6)
DOE5480.22 Section 9.f
DOE5480.22 Section 9.g
DOE5480.22 Section 9.h
DOE5480.22 Section 9.i

18.5 Unreviewed Safety Questions
DOE5480.21 Chapter III, Section 2, Sentences 1 and 2
DOE5480.21 Chapter III, Section 3.c
DOE5480.21 Chapter III, Section 4.d
DOE5480.21 Chapter III, Section 5.a
DOE5480.21 Chapter III, Section 5.b, Sentences 1 and 2
DOE5480.21 Chapter III, Section 5.c, Sentence 1 and 2
DOE5480.21 Chapter III, Section 5.d
DOE5480.21 Chapter III, Section 5.e, Sentences 1 and 2
DOE5480.21 Chapter III, Section 8, Sentence 1
DOE5480.21 Preamble, Section 8.c
DOE5480.21 Preamble, Section 10.a
DOE5480.21 Preamble, Section 10.b
DOE5480.21 Preamble, Section 10.d
DOE5480.21 Preamble, Section 10.e

18.6 Nuclear Criticality Safety
DOE5480.24 Section 7.a. Introduction

NS
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	60

18.6.1 Criticality Safety Design Practices
DOE5480.24 Section 7.a.(2)(a)
DOE5480.24 Section 7.a.(2)(b)
DOE5480.24 Section 7.b.(4)
DOE6430.1A Section 1300- 4 Paragraph 5, Sentence 1

18.6.2 Materials Control
DOE5480.24 Section 7.d
DOE5480.24 Section 7.e.(1)

9/20/96

NS
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
No	SRID	All	Not Marked	1

NA

18.5 Unreviewed Safety Questions
DOE5480.21 Preamble, Section 10.c

SRID Element	Location	Applicable Incorporated Implementing Manuals		
18.3 Safety Analysis	DOE5480.23(940310) Section 8	A Incorp	WHC-CM-4-46	3.0
				3.0
				3.0
				3.0
			WHC-IP-0842, VOL 4	5.6
				SMS-07
	DOE5480.23(940310) Section 8.a.(1)	A Incorp	WHC-CM-4-46	3.0
			WHC-IP-0842, VOL 4	SMS-10
	DOE5480.24 Section 7.f.(1)	A Incorp	WHC-CM-4-29	13.0
			WHC-IP-0842, VOL 4	5.3
18.3.1 Safety Analysis Report	DOE5480.23(940310) Section 8.b.(1)	A Incorp	WHC-CM-4-46	3.0
			WHC-IP-0842, VOL 4	SMS-07
	DOE5480.23(940310) Section 8.b.(2)	A Incorp	WHC-CM-4-46	3.0
			WHC-IP-0842, VOL 4	SMS-10
	DOE5480.23(940310) Section 8.b.(3)	A Incorp	WHC-CM-4-46	3.0
			WHC-IP-0842, VOL 4	SMS-07
	DOE5480.23(940310) Section 8.d	A Incorp	WHC-CM-4-46	3.0
				3.0
			WHC-IP-0842, VOL 4	SMS-10
	DOE5480.23(940310) Section 9.a.(1), Sentence 1	A Incorp	WHC-CM-4-46	3.0
			WHC-IP-0842, VOL 4	SMS-01
	DOE5480.23(940310) Section 9.a.(1), Sentence 3	A Incorp	WHC-CM-4-46	3.0
			WHC-IP-0842, VOL 4	SMS-07
	DOE5480.23(940310) Section 9.a.(2)	A Incorp	WHC-CM-4-46	3.0
			WHC-IP-0842, VOL 4	SMS-01
	DOE5480.23(940310) Section 9.b.(2)	A Incorp	WHC-CM-4-46	3.0
				3.0
			WHC-IP-0842, VOL 4	SMS-07
	DOE5480.23(940310) Section 9.c.	A Incorp	WHC-CM-4-46	3.0
			WHC-IP-0842, VOL 4	SMS-10

SRID Element	Location	[illegible]plicable Incorporated Implementing Manuals			
	DOE5480.24 Section 7.c. Paragraph 1	A	Incorp	WHC-CM-4-29	4.0
				WHC-IP-0842, VOL 4	5.3
	DOE5480.24 Section 7.c. Paragraph 2, Sentence 1 and 2	A	Incorp	WHC-CM-4-29	4.0
				WHC-IP-0842, VOL 4	5.3
	DOE5480.24 Section 7.c.(1)	A	Incorp	WHC-CM-4-29	4.0
				WHC-IP-0842, VOL 4	5.3
	DOE5480.24 Section 7.c.(2)	A	Incorp	WHC-CM-4-29	4.0
				WHC-IP-0842, VOL 4	5.3
	DOE5480.24 Section 7.c.(3)	A	Incorp	WHC-CM-4-29	4.0
				WHC-IP-0842, VOL 4	5.3
	DOE5480.24 Section 7.c.(4)	A	Incorp	WHC-CM-4-29	4.0
				WHC-IP-0842, VOL 4	5.3
	DOE5480.24 Section 7.c.(5)	A	Incorp	WHC-CM-4-29	4.0
				WHC-IP-0842, VOL 4	5.3
	DOE5480.24 Section 7.c.(6)	A	Incorp	WHC-CM-4-29	4.0
				WHC-IP-0842, VOL 4	5.3
	DOE5480.24 Section 7.c.(8)	A	Incorp	WHC-CM-4-29	4.0
				WHC-IP-0842, VOL 4	5.3
	DOE5480.7A Section 9.a.(3)	A	Incorp	WHC-CM-4-41	3.4
				WHC-IP-0842, VOL 1	4.5
18.3.2 Hazard Classification	DOE5480.23(940310) Section 8.c.(1)	A	Incorp	WHC-CM-4-46	2.0
					4.0
					4.0
				WHC-IP-0842, VOL 4	SMS-07
	DOE5480.23(940310) Section 8.c.(2)	A	Incorp	WHC-CM-4-46	4.0
					4.0
				WHC-IP-0842, VOL 4	SMS-05
	DOE5480.23(940310) Section 8.c.(3)	A	Incorp	WHC-CM-4-46	2.0
					4.0
				WHC-IP-0842, VOL 4	SMS-07

SRID Element	Location		Applicable Incorporated Implementing Manuals	
	DOE5480.23(940310) Section 8.c.(4)	A Incorp	WHC-CM-4-46	2.0
			WHC-IP-0842, VOL 4	SMS-07
18.4 Technical Safety Requirements	DOE5480.22 Section 9.a	A Incorp	WHC-CM-4-46	6.0
				6.0
			WHC-IP-0842, VOL 4	SMS-07
	DOE5480.22 Section 9.b, Sentences 1 and 2	A Incorp	WHC-CM-4-46	6.0
				6.0
			WHC-IP-0842, VOL 4	SMS-07
	DOE5480.22 Section 9.c.(1)	A Incorp	WHC-CM-4-46	6.0
				6.0
	DOE5480.22 Section 9.e.(2)	A Incorp	WHC-CM-4-46	6.0
	DOE5480.22 Section 9.e.(3)(a)	A Incorp	WHC-CM-4-46	6.0
	DOE5480.22 Section 9.e.(3)(b)	A Incorp	WHC-CM-4-46	6.0
	DOE5480.22 Section 9.e.(4)	A Incorp	WHC-CM-4-46	6.0
	DOE5480.22 Section 9.e.(5)	A Incorp	WHC-CM-4-46	6.0
	DOE5480.22 Section 9.e.(6)	A Incorp	WHC-CM-4-46	6.0
	DOE5480.22 Section 9.f	A Incorp	WHC-CM-4-46	Part 6
	DOE5480.22 Section 9.g	A Incorp	WHC-CM-4-46	6.0
	DOE5480.22 Section 9.h	A Incorp	WHC-CM-4-46	6.0
	DOE5480.22 Section 9.i	A Incorp	WHC-CM-4-46	6.0
18.5 Unreviewed Safety Questions	DOE5480.21 Chapter III, Section 2, Sentences 1 and 2	A Incorp	WHC-CM-1-3	MRP 5.12
			WHC-IP-0842, VOL 4	5.4
	DOE5480.21 Chapter III, Section 3.c	A Incorp	WHC-CM-1-3	MRP 5.12
			WHC-IP-0842, VOL 4	5.4
	DOE5480.21 Chapter III, Section 4.d	A Incorp	WHC-IP-0842, VOL 4	5.4
	DOE5480.21 Chapter III, Section 5.a	A Incorp	WHC-CM-1-3	MRP 5.12
				MRP 5.12
				MRP 5.12
				MRP 5.12
			WHC-IP-0842, VOL 4	5.4

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	DOE5480.21 Chapter III, Section 5.b, Sentences 1 and 2	A Incorp	WHC-CM-1-3	MRP 5.12
			WHC-IP-0842, VOL 4	5.4
	DOE5480.21 Chapter III, Section 5.c, Sentence 1 and 2	A Incorp	WHC-CM-1-3	MRP 5.12
			WHC-IP-0842, VOL 4	5.4
	DOE5480.21 Chapter III, Section 5.d	A Incorp	WHC-IP-0842, VOL 4	5.4
	DOE5480.21 Chapter III, Section 5.e, Sentences 1 and 2	A Incorp	WHC-CM-1-3	MRP 5.12
			WHC-IP-0842, VOL 4	5.4
	DOE5480.21 Chapter III, Section 8, Sentence 1	A Incorp	WHC-IP-0842, VOL 4	5.4
	DOE5480.21 Preamble, Section 8.c	A Incorp	WHC-IP-0842, VOL 4	5.4
	DOE5480.21 Preamble, Section 10.a	A Incorp	WHC-CM-1-3	MRP 5.12
			WHC-IP-0842, VOL 4	5.4
	DOE5480.21 Preamble, Section 10.b	A Incorp	WHC-CM-1-3	MRP 5.12
			WHC-IP-0842, VOL 4	5.4
	DOE5480.21 Preamble, Section 10.d	A Incorp	WHC-CM-1-3	MRP 5.12
			WHC-IP-0842, VOL 2	4.2.1
			WHC-IP-0842, VOL 4	5.4
	DOE5480.21 Preamble, Section 10.e	A Incorp	WHC-CM-1-3	MRP 5.12
			WHC-IP-0842, VOL 4	5.4
18.6 Nuclear Criticality Safety	DOE5480.24 Section 7.a. Introduction	A Incorp	WHC-CM-4-29	4.0
			WHC-IP-0842, VOL 4	5.3
18.6.1 Criticality Safety Design Practices	DOE5480.24 Section 7.a.(2)(a)	A Incorp	WHC-CM-4-29	2.0
				2.0
			WHC-IP-0842, VOL 4	5.3
	DOE5480.24 Section 7.a.(2)(b)	A Incorp	WHC-CM-4-29	2.0
			WHC-IP-0842, VOL 4	5.3

SRID Element	Location	[illegible]plicable	Incorporated Implementing Manuals	
	DOE5480.24 Section 7.b.(4)	A Incorp	WHC-CM-4-29	11.0
			WHC-IP-0842, VOL 4	5.3
	DOE6430.1A Section 1300- 4 Paragraph 5, Sentence 1	A Incorp	WHC-CM-4-29	11.0
				4.0
			WHC-IP-0842, VOL 4	5.3
18.6.2 Materials Control	DOE5480.24 Section 7.d	A Incorp	WHC-CM-4-29	8.0
			WHC-IP-0842, VOL 4	5.3
	DOE5480.24 Section 7.e.(1)	A Incorp	WHC-CM-4-29	2.0
			WHC-IP-0842, VOL 4	5.3

3.19 Occupational Safety and Health

TWRS Occupational Safety and Health Phase I S/RID Assessment

1.0 INTRODUCTION

This assessment consists of an evaluation of the current occupational safety and health requirements contained in Section 19 of the Tank Farm Standards/Requirements Identification Document (S/RID) against the existing WHC implementation manuals. The assessment was performed by Kristine Bowen, Scott Somers, and Elton Hewitt. Kristine is a chemical engineer working for TWRS Health and Safety. Scott is an industrial hygienist working for Northwest Instrument Systems Inc. under contract to WHC. Elton Hewitt is a certified industrial hygienist with over 20 years experience in health and safety.

The assessment process is performed in several steps. The first step consists of assembling a 'library' of WHC manuals containing the current programs for implementing occupational safety and health. The second step involves selecting an occupational safety and health requirement from the Tank Farm S/RID for evaluation. The third step involves reviewing each of the applicable manuals to determine if they contain information supporting the implementation of the requirement. The fourth step consists of determining whether the requirement has been fully implemented, based on the information reviewed. During this step, each of the major subparts of the requirement was examined to determine if they were addressed in the documentation reviewed. If, based on the review performed In step 3, not all of the parts of the requirement had been fully implemented, the requirement was judged to be "Discrepant". However, if all of the parts of the requirement were judged to be fulfilled, the requirement was judged to be "Incorporated." The last step involves entering this information into the Environmental Requirements Management Interface (ERMI) database. During this step, the information obtained in steps 3 and 4 is captured along with any discrepancies noted in the manuals being reviewed.

The requirements evaluated for occupational safety and health include those contained in the Section 19 of the Tank Farm S/RID. These requirements are contained in 29 CFR 1910 and 29 CFR 1926, the American Conference of Governmental Industrial Hygienists TLV booklet, the Federal Register (Vol. 54 No. 16 Thursday, January 26, 1989, and DOE orders 5480.8A, 5480.10, 5483.1A, and 5480.4.

2.0 SUMMARY

During this assessment, a total of 96 requirements were evaluated. These requirements were contained in six principal subsections of Section 19. Of the 96 requirements that were evaluated, 1 was found to be not applicable.

This means that, in reviewing the details of the specific requirement, it was concluded that the requirement was not applicable for Tank Farms because the equipment or agent described in the requirement does not exist in Tank Farms. This could apply to either machinery or hazardous materials.

Of the 95 requirements deemed to be applicable, 82 were judged to be incorporated and 13 were found to be discrepant. This equates to 86% incorporated.

Of the 13 requirements, 3 were judged to have a minimal impact on employee safety. This means that, though the requirement could not be found in the documentation examined, it was judged unlikely to have a significant impact on employee safety and health. However, the discrepant items do need to be addressed, and a list of the recommended manual changes has been prepared and submitted to the manual owners for revisions during their next routine manual revisions.

The remaining 10 discrepant requirements were judged to have a potentially significant impact on employee safety. A memo has been prepared and submitted to the owners of each manual where revisions were judged to be necessary. In addition, an evaluation will be performed by Operations and TWRS Safety and Health to determine the potential risk to employees from the discrepant items noted. Based on the results of this evaluation, and the feedback from the manual owners, the need for additional/interim requirements to protect employee health will be evaluated.

None of the discrepancies noted were judged to present a serious hazard to employees. As such, there was no need for immediate action on any of the items identified. On the other hand, several of the items were judged to be significant enough that the revision of the manuals found to be discrepant should be undertaken soon rather than waiting until the next manual revision. These items were identified and a memo was sent to the manual owner informing him of which manuals and programs needed to be updated, as well as the specific deficiencies identified.

A breakdown of the subelements with discrepant requirements is shown in Table 2.1 Discrepant Requirement Breakdown. The table gives the subpart element, subpart title, and the number of discrepant requirements for this subpart.

Table 2.1 Discrepant Requirement Breakdown

Subelement Number	Subelement Title	Number of Discrepant Requirements
19.3.2	Hazard Controls	7
19.3.2.3	Const. Safety and Health	6

From this Table, it can be seen that all of the discrepant S/RID requirements were in the areas of hazard controls and construction safety and health. All of the discrepancies in these two areas resulted from not having complete documentation to demonstrate compliance with applicable 29 CFR 1910 and 1926 requirements. In many cases, the discrepancy was minor, and could be corrected by a minor revision to a program in an existing manual. In other cases, a more extensive revision, or a new program, would be required. The specific discrepancies noted, and the recommended corrective actions, are discussed in detail in Section 3.0 Detailed Results.

For many of the discrepant items, programs were identified that addressed the requirement, but not all of the subparts of the requirement were fully addressed. For other programs, the requirement was addressed in a manual that has been canceled, and the new program implementing this requirement has not yet been implemented.

During this evaluation, the following manuals were found to contain information demonstrating compliance:

WHC-CM-1-3	WHC-CM-1-5	WHC-CM-4-41	WHC-CM-4-43	WHC-IP-1121
WHC-CM-1-10	WHC-CM-1-8	WHC-CM-4-46	WHC-IP-1026	
WHC-CM-4-40	WHC-CM-2-1	WHC-CM-8-7	DOE-RL-92-36	
WHC-IP-0030	WHC-CM-2-5	WHC-CM-8-9	WHC-CM-1	
WHC-CM-1-11	WHC-CM-4-2	WHC-IP-0971	WHC-SD-WM-HSP-002	

3.0 DETAILED RESULTS

A summary of the subsections examined, and the number of incorporated and discrepant items is shown in Table 3.1 OSH S/RID STATUS. The Table 3.1 contains four columns; the first shows the Functional Area sub-element numerical identifier, the second shows the sub-element description, the third, and fourth, show the sub-element requirement status as being, "incorporated" (Inc) or "discrepant" (Dis) respectively. Any items marked "Dis" are discussed in paragraph 4.0 Discrepancies. All other items in that element can be assumed to be fully incorporated.

The specific requirements found to be discrepant are discussed below. All of the discrepant items are arranged under their subelement, with the specific discrepancy(s) and associated action(s) also shown. Priorities of each action have been grouped into three categories: Immediate, prompt, or routine actions. Immediate actions are those necessary to resolve a safety-related compliance issue and would be resolved within 2-4 weeks. Prompt actions are those that are administrative in nature but do affect the ability of WHC to demonstrate compliance with regulatory requirements and would be completed within 12-16 weeks. Routine actions are those actions necessary to update forms or procedures (e.g., include new report distribution requirements) and would be completed at the next procedure revision cycle.

Table 3.1 - OSH S/RID STATUS

Element Identifier	Element Description	Inc.	Dis.
19.1.1	Program Policy	4	0
19.1.2	Occ. Saf. & Hlth Goals & Obj.	1	0
19.1.3	Requests for Exemption/Variance	3	0
19.2.1	Hazard Assessment Program	3	0
19.2.2	Hazards Reporting System	6	0
19.2.5	Occ. Saf. & Hlth. Inv. System	1	0
19.3.1	Haz. Mon., Samp. & Surveillance	1	0
19.3.2	Hazard Controls	15	7
19.3.2.1	Administrative Controls	13	0
19.3.2.2	Personal Protective Equipment	4	0
19.3.2.3	Construction Safety and Health	11	6
19.3.3	Safety Inspection & Maintenance	1	0
19.4.1	Health Examinations	12	0
19.4.3	Diagnosis and Treatment	1	0
19.5	Occ. Saf. & Hlth. Training	2	0
19.6.1	Occ. Injury & Illness Reporting	4	0
	Total Requirements	82	13

3.1 Element 19.3.2 Hazard Controls

29 CFR 1910 Subpart D - Table of Contents

All subsections of this S/RID requirement (1910.21 - 1910.32) were incorporated except 29 CFR 1910.27.

- 29 CFR 1910.27 contains requirements for fixed ladder location, design requirements, and safety.

Routine - WHC-CM-1-10 WKS-21 should be altered to include fixed and portable ladder safety requirements. Fixed ladder design should meet 29 CFR 1910.27 requirements. Safe use of fixed ladders should be added, including fall protection requirements.

29 CFR 1910 Subpart G - Table of Contents

All subsections of this S/RID requirement (1910.94 - 1910.100) were incorported except 29 CFR 1910.94.

- 29 CFR 1910.94 covers various applications and methodologies to control the airborne hazards. the standard specifically applies to abrasive blasting and wheels, grinding/polishing/buffing operations, spray finishing, and dip tank applications.

  Prompt - Section 3.6 of the WHC-CM-4-40, Industrial Hygiene Manual, addressing ventilation has not yet been written and released, though some aspects of ventilation are covered in other manual sections such as in WHC-CM-1-11, WKH-5, Confined Space.

29 CFR 1910 Subpart H - Table of Contents

All subsections of this S/RID requirement (1910.101 - 1910.120) were incorported except 29 CFR 1910.101 and 1910.107.

- 29 CFR 1910.101 contains requirements for compressed gases, including inspection of cylinder storage areas, handling, storage, and use of compressed gases, safety relief devices, and transportation of compressed gases.

  Prompt - WHC-CM-1-10, WKS-14 should be amended requiring the periodic inspection of gas cylinder storage areas and all compressed gas cylinders must have a safety relief device per 29 CFR 1910.101.

- 29 CFR 1910.107 covers the operations dealing with various kinds of spray (applications finishes, paints, chemicals, powders, etc. Specifics include electrical apparatus, ventilation, material handling, fire protection, electrostatic devices, and special application techniques (undercoating, powders, peroxides, dual components, fusions, etc.).

  Prompt - A new program needs to be written for the WHC-CM-1-11 manual that covers the spray application of combustible/flammable materials.

29 CFR 1910 Subpart I - Table of Contents

All subsections of this S/RID requirement (1910.132 - 1910.140) were incorported except 29 CFR 1910.134.

- 29 CFR 1910.134 requires a respiratory protection program that contains the following elements: permissible practice, requirements fora minimum acceptable program, selection of respirators, air quality, use of respirators, maintenance and care of respirators, and identification of gas mask canisters.

  Routine - WHC-CM-1-11, WKH-15, Respiratory Protection Program, should be amended to include requirements on identification of gas mask canisters.

29 CFR 1910 Subpart J - Table of Contents

All subsections of this S/RID requirement (1910.141 - 1910.150) were incorported except 29 CFR 1910.141.

- 29 CFR 1910.141 contains requirements that address sanitation.

  Prompt - Section 4.4 in the WHC-CM-4-40, Industrial Hygiene Manual was reserved to outline the sanitation protection requirements, but it was never written or issued. It should be written and issued into an appropriate section of the WHC-CM-1-11, Industrial Hygiene Manual.

29 CFR 1910 Subpart P - Table of Contents

All subsections of this S/RID requirement (1910.241 - 1910.247) were incorported except 29 CFR 1910.242.

- 29 CFR 1910.242 contains general requirements for hand and power tools. It states that employees are responsible for the safe condition of tools they use, and that compressed air (>30 psi) should not be used for cleaning tools and machinery.

  Routine - Cleaning of equipment with compressed air (>30 psi) is not addressed. It should be added to WHC-CM-1-10, WKS-12, Hand and Portable Power Tools.

29 CFR 1910 Subpart S - Table of Contents

All subsections of this S/RID requirement (1910.301 - 1910.399) were incorported except 29 CFR 1910.334.

- 29 CFR 1910.334 contains requirements for use of electrical equipment. This includes portable electrical equipment, electrical power and lighting circuits, test instruments and equipment, and electrical equipment near flammable materials.

  Prompt - Use of electrical equipment near flammable or combustible materials should be addressed by a new program in WHC-CM-1-10.

3.2 Element 19.3.2.3 Construction Safety and Health

29 CFR 1926 Subpart C - Table of Contents

All subsections of this S/RID requirement (1926.20 - 1926.35) were incorporated except 29 CFR 1926.27 and 1926.33.

- 29 CFR 1926.27 contains requirements that address sanitation.

  Prompt - Section 4.4 in the WHC-CM-4-40, Industrial Hygiene Manual was reserved to outline the sanitation protection requirements, but it was never written or issued. It should be written and issued into an appropriate section of the WHC-CM-1-11, Industrial Hygiene Manual.

- 29 CFR 1926.33 contains requirements for employee access to exposure and medical monitoring records. It outlines access to and preservation of records, OSHA access to records, access requirements with regard to trade secrets, and employers informing employees of records.

  Prompt - Section 2.1, Subpart 12 of WHC-CM-4-40 should incorporate OSHA access to medical monitoring records.

29 CFR 1926 Subpart D - Table of Contents

All subsections of this S/RID requirement (1926.50 - 1926.66) were incorporated except 29 CFR 1926.51 and 1926.57.

- 29 CFR 1926.51 contains requirements that address sanitation.

  Prompt - Section 4.4 in the WHC-CM-4-40, Industrial Hygiene Manual was reserved to outline the sanitation protection requirements, but it was never written or issued. It should be written and issued into an appropriate section of the WHC-CM-1-11, Industrial Hygiene Manual.

- 29 CFR 1926.57 covers various applications and methodologies to control the airborne hazards. the standard specifically applies to abrasive blasting and wheels, grinding/polishing/buffing operations, spray finishing, and dip tank applications.

  Prompt - Section 3.6 of the WHC-CM-4-40, Industrial Hygiene Manual, addressing ventilation was never released, though some aspects of ventilation are covered in other manual sections such as in WHC-CM-1-11, WKH-5, Confined Space. A new ventilation section should be included in WHC-CM-1-11.

29 CFR 1926 Subpart I - Table of Contents

All subsections of this S/RID requirement (1926.300 - 1926.307) were incorported except those listed below.

- 29 CFR 1926.301 contains requirements on the safety use of hand tools. Included in the standard are wrenches (do not use if jaws are sprung), impact tools (to be kept free form mushroom head, and wooden handled tools to be kept free from splinters and cracks.

  Prompt - WHC-CM-1-10, WKS-12 should be amended to contain safety information for the use of hand tools.

- 29 CFR 1926.302 contains requirements for power operated hand tools. It includes requirements for electric power tools, pneumatic tools, hydraulic powered tools, powder actuated tools, fuel powered tools, and abrasive blast cleaning nozzles.

  Routine - WHC-CM-1-10, WKS-12, Hand and Portable Power Tools, should include safety information on fuel and hydraulic powered tools.

- 29 CFR 1926.303 contains requirements for abrasive wheels and tools. It addresses the following areas: power, guarding/guard design, use, providing work rests, and tools to meet ANSI Codes B7.1-1970.

  Routine - WHC-CM-1-10, WKS-12, Subsection on Abrasive Wheels and Tools should contain information on workrests, and that guard requirements are to meet 29 CFR 1926.303.

- 29 CFR 1926.304 contains requirements for woodworking tools int he following areas: disconnect switches, speeds, self-feed devices, guarding, personal protective equipment, and specific guarding requirements for tools such as ripsaws, table saws, bandsaws, etc.

  Routine - WHC-CM-1-10, WKS-12 should have a section added to address requirements on speeds, self-feed devices, and ANSI requirements. A statement should also be included that requirements of 29 CFR 1926.304 should be followed for specific requirements on various types of saws.

- 29 CFR 1926.307 covers requirements for mechanical power transmission apparatus. It includes specific guard and protection requirements for flywheels, cranks and connecting rods, shafting, pulleys, power transmission apparatus located in basements, belts, ropes and chains, gears/sprockets/chains, collars and couplings, clutches, and woodguards.

  Prompt - WHC-CM-1-10, WKS-13, Subsection 3.1 #3 should include: consult 29 CFR 1910 parts 211 -222 and 29 CFR 1926 parts 300 - 307 for guard requirements for specific types of machinery.

29 CFR 1926 Subpart L - Table of Contents

All subsections of this S/RID requirement (1926.450 - 1926.453) were incorporated except those listed below.

- 29 CFR 1926.451 addresses the following areas for scaffolding requirements: footings, guardrails/toeboards, loads, construction materials, planking, slippery conditions, hotwork, construction requirements, and safe work practices.

  Prompt - WHC-CM-1-10, WKS-22, Scaffolding should include a statement that scaffolding work shall be prohibited during high winds or stormy conditions.

- 29 CFR 1926.453 contains requirements for manually propelled mobile ladderstands and scaffolds. It includes requirements in the following areas: workloads, worklevels, wheels/casters, stairways, bracing, endframes, erection, and specifics on stairways and ladder scaffolds.

  Routine - WHC-CM-1-10, WKS-21, Portable Ladders should be amended to address the requirements for ladderstands/stairways.

29 CFR 1926 Subpart M - Table of Contents

All subsections of this S/RID requirement (1926.500 - 1926.502) were incorporated except 29 CFR 1926.500.

- 29 CFR 1926.500 contains requirements for guardrails, handrails, and covers. It includes the following areas: guarding of floor openings, wall openings, and open sided floors, platforms, and runways; standard specifications for railings, handrails, and toeboards; guarding of roofs/roof edges; roof edge material storage; and training.

  Prompt - WKS-18, Subsection 3.2 needs to have information added that proper guards and fall protection will be used for roofs/roofwork, and roof-edge storage of materials and equipment.

29 CFR 1926 Subpart X - Table of Contents

All subsections of this S/RID requirement (1926.1050 - 1926.1060) were incorporated except those listed below.

- 29 CFR 1926.1051 addresses the general requirements on the use (where/when) of a ladder stairway, and required fall protection. Nonpermanent stairs, when to use ladders and stairs, and keeping passageways clear and accessible are all addressed in this standard.

Routine - WKS-21, should be amended to include when ladders/stairways should be used (e.g. a break in elevation of more than 19 inches), and how many are required in specific areas per 29 CFR 1926.1051.

- 29 CFR 1926.1053 contains requirements for fixed ladder location, design requirements, and safety.

  Prompt - WHC-CM-1-10 WKS-21 should be altered to include fixed and portable ladder safety requirements. Fixed ladder design should meet 29 CFR 1910.27 requirements. Safe use of fixed ladders should be added, including fall protection requirements.

OH
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	82

/NC

19.1.1 Program Policy
DOE5480.10 Section 9.a(1)
DOE5480.10 Section 9.a(5)
DOE5480.10 Section 9.d(1)
PUBLIC-LAW-91-596 Section 5(a)(1)

19.1.2 Occupational Safety and Health Goals and Objectives
54FR3904 Part (c)(1)(ii)

19.1.3 Requests for Exemptions/Variances
DOE5483.1A Chapter I, Section 4.a
DOE5483.1A Chapter I, Section 4.b
DOE5483.1A Chapter I, Section 4.c

19.2.1 Hazard Assessment Program
DOE5480.10 Section 9.a(3)
DOE5480.10 Section 9.b Introduction and 9.b(1)
DOE5480.10 Section 9.b(2)

19.2.2 Hazards Reporting System
DOE5483.1A Chapter I, Section 5.a.(1)
DOE5483.1A Chapter II, Section 1.a
DOE5483.1A Chapter II, Section 1.b
DOE5483.1A Chapter II, Section 2
DOE5483.1A Chapter II, Section 3
DOE5483.1A Chapter II, Section 4

19.2.5 Occupational Safety and Health Hazard Inventory System
DOE5480.10 Section 9.f(1)

19.3.1 Hazard Monitoring, Sampling, and Surveillance
DOE5480.10 Section 9.b(4)

19.3.2 Hazard Controls
29CFR1910 Part 151(a) and (b)
29CFR1910 Part 151(c)
29CFR1910 Subpart E - Table of Contents [Restated]
29CFR1910 Subpart F - Table of Contents [Restated]
29CFR1910 Subpart M - Table of Contents [Restated]
29CFR1910 Subpart N - Table of Contents [Restated]
29CFR1910 Subpart O - Table of Contents [Restated]
29CFR1910 Subpart Q - Table of Contents [Restated]
29CFR1910 Subpart Z - Table of Contents [Restated]
ACGIH Table of Contents Chemical Substances 1994-1995 [Re
ACGIH Table of Contents Physical Substances 1994-1995 [Re
DOE5480.10 Section 9.b(3)
DOE5480.10 Section 9.c(4)(b)
DOE5480.10 Section 9.c(4)(d)
DOE5480.10 Section 9.c(4)(e)

19.3.2.1 Administrative Controls
29CFR1910 Part 120(b)(1)(iv)
29CFR1910 Part 120(b)(1)(v)
29CFR1910 Part 120(b)(4)
29CFR1910 Part 120(g)(2)
29CFR1910 Part 120(j)(1)(viii)
29CFR1910 Part 120(j)(9)
29CFR1910 Part 120(j)(9)(ii)
29CFR1910 Part 120(k)(2)(i)
29CFR1910 Part 120(k)(2)(ii)
29CFR1910 Part 120(k)(8)
29CFR1910 Part 120(n)(2)(ii)
29CFR1910 Part 120(n)(3)(iii)
29CFR1910 Part 120(n)(6)

OH
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	82

19.3.2.2 Personal Protective Equipment
29CFR1910 Part 120(g)(3)(i)
29CFR1910 Part 120(g)(3)(iii)
29CFR1910 Part 120(g)(4)(i)
29CFR1910 Part 120(g)(5)

19.3.2.3 Construction Safety and Health
29CFR1926 Subpart G - Table of Contents [Restated]
29CFR1926 Subpart H - Table of Contents [Restated]
29CFR1926 Subpart J - Table of Contents [Restated]
29CFR1926 Subpart K - Table of Contents [Restated]
29CFR1926 Subpart N - Table of Contents [Restated]
29CFR1926 Subpart O - Table of Contents [Restated]
29CFR1926 Subpart P - Table of Contents [Restated]
29CFR1926 Subpart Q - Table of Contents [Restated]
29CFR1926 Subpart R - Table of Contents [Restated]
29CFR1926 Subpart V - Table of Contents [Restated]
29CFR1926 Subpart W - Table of Contents [Restated]

19.3.3 Safety Inspection and Maintenance
29CFR1910 Part 120(b)(4)(iv)

19.4.1 Health Examinations
29CFR1910 Part 120(f)(2)
29CFR1910 Part 120(f)(3)(i)
29CFR1910 Part 120(f)(4)(i)
29CFR1910 Part 120(f)(5)
29CFR1910 Part 120(f)(6)
29CFR1910 Part 120(f)(7)(i)
DOE5480.10 Section 9.b(6)
DOE5480.8A Section 11.b(3)(a)
DOE5480.8A Section 11.b(3)(b)
DOE5480.8A Section 11.b(3)(c)
DOE5480.8A Section 11.b(3)(e)
DOE5480.8A Section 11.b(3)(f)

19.4.3 Diagnosis and Treatment
DOE5480.8A Section 11.c(3)

19.5 Occupational Safety and Health Training
DOE5480.10 Section 9.a(4)
DOE5480.10 Section 9.b(5)

19.6.1 Occupational Injury and Illness Reporting
DOE5480.10 Section 9.f(2)
DOE5483.1A Chapter I, Section 5.d
DOE5483.1A Chapter I, Section 5.e
DOE5483.1A Chapter III, Section 2

9/20/9

OH
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Not	13

discrepant

19.3.2 Hazard Controls
29CFR1910 Subpart D - Table of Contents [Restated]
29CFR1910 Subpart G - Table of Contents [Restated]
29CFR1910 Subpart H - Table of Contents [Restated]
29CFR1910 Subpart I - Table of Contents [Restated]
29CFR1910 Subpart J - Table of Contents [Restated]
29CFR1910 Subpart P - Table of Contents [Restated]
29CFR1910 Subpart S - Table of Contents [Restated]

19.3.2.3 Construction Safety and Health
29CFR1926 Subpart C - Table of Contents [Restated]
29CFR1926 Subpart D - Table of Contents [Restated]
29CFR1926 Subpart I - Table of Contents [Restated]
29CFR1926 Subpart L - Table of Contents [Restated]
29CFR1926 Subpart M - Table of Contents [Restated]
29CFR1926 Subpart X - Table of Contents [Restated]

OH
Requirements Status

Applicable	SRID	Price Anderson	Status	Found
No	SRID	All	Not Marked	1

19.3.2.3 Construction Safety and Health
29CFR1926 Subpart Z - Table of Contents [Restated]

SRID Element	Location		Applicable Incorporated Implementing Manuals		
19.1.1 Program Policy	DOE5480.10 Section 9.a(1)	A Incorp	WHC-CM-1-10	WKS-1 Subsection 3.1	
			WHC-CM-4-40	1.1	
			WHC-SD-WM-HSP-002	Entire Document 002, Sec 1.0	
	DOE5480.10 Section 9.a(5)	A Incorp	WHC-CM-4-40	1.1	
			WHC-SD-WM-HSP-002	Entire Document 002, Sec 1.4.2	
	DOE5480.10 Section 9.d(1)	A Dis	WHC-CM-1-10	WKS-1	
			WHC-CM-4-40	1.1 Subsection 5.3	
				TBD	Revit
			WHC-IP-0030	SAF 1.2	
	PUBLIC-LAW-91-596 Section 5(a)(1)	A Incorp	WHC-CM-1-10	WKS-1 Subsection 3.1, #2	
19.1.2 Occupational Safety and Health Goals and Objectives	54FR3904 Part (c)(1)(ii)	A Incorp	WHC-CM-1-10	WKS-1 Safety Responsibilities	
				WKS-2 Safety Communication	
			WHC-CM-4-40	1.1 Subsection 3.1	
19.1.3 Requests for Exemptions/Variances	DOE5483.1A Chapter I, Section 4.a	A Incorp	WHC-CM-1-3	MRP 1.1 Section 4.3	
	DOE5483.1A Chapter I, Section 4.b	A Incorp	WHC-CM-1-3	MRP 1.1 Subsection 4.3	
	DOE5483.1A Chapter I, Section 4.c	A Incorp	WHC-CM-1-3	MRP 1.1	
19.2.1 Hazard Assessment Program	DOE5480.10 Section 9.a(3)	A Incorp	WHC-CM-4-40	1.1 Sub 5.5	
				2.1	
	DOE5480.10 Section 9.b Introduction and 9.b(1)	A Incorp	WHC-CM-4-40	1.1	
				1.1 Para. 3.0	
				2.1	
	DOE5480.10 Section 9.b(2)	A Incorp	WHC-CM-4-40	1.1	
				1.1 Sub 3.0	
				1.1 Sub 5.3	
				1.1 Sub 5.3, item 4	
				2.1 Subsection 5.0	

SRID Element	Location	Applicable Incorporated Implementing Manuals			
19.2.2 Hazards Reporting System	DOE5483.1A Chapter I, Section 5.a.(1)	A Incorp	WHC-CM-1	ES&H Policy	
			WHC-CM-1-10	WKS-1	
	DOE5483.1A Chapter II, Section 1.a	A Incorp	WHC-CM-1-3	MRP 1.13	
	DOE5483.1A Chapter II, Section 1.b	A Incorp	WHC-CM-1-3	MRP 1.13	
	DOE5483.1A Chapter II, Section 2	A Incorp	WHC-CM-1-3	MRP 1.13 1.13	
	DOE5483.1A Chapter II, Section 3	A Dis	WHC-CM-1-3	MRP 1.13	Revit
				MRP 1.13 1.13	
	DOE5483.1A Chapter II, Section 4	A Incorp	WHC-CM-1-3	MRP 1.13 1.13	
19.2.5 Occupational Safety and Health Hazard Inventory System	DOE5480.10 Section 9.f(1)	A Incorp	WHC-CM-4-40	1.1 Subpart 5.3	
				2.1	
19.3.1 Hazard Monitoring, Sampling, and Surveillance	DOE5480.10 Section 9.b(4)	A Incorp	WHC-CM-4-40	1.1 Subpart 5.3	
				2.1 Sub 4.0, item 4.4.2	
			WHC-SD-WM-HSP-002	Entire Document 002, Sec 6.0 Sub 6.7.1	
19.3.2 Hazard Controls	29CFR1910 Part 22	A Incorp	WHC-CM-1-10	WKS-18	
	29CFR1910 Part 23	A Incorp	WHC-CM-1-10	WKS-18	
				WKS-19	
	29CFR1910 Part 24	A Incorp	WHC-CM-1-10	WKS-18 Subsection 3.1, 8-10	
			WHC-IP-1026	Entire Document	
	29CFR1910 Part 25	A Incorp	WHC-CM-1-10	WKS-21	
	29CFR1910 Part 26	A Incorp	WHC-CM-1-10	WKS-21	
	29CFR1910 Part 27	A Dis	WHC-CM-1-10	WKS-21	Revit
			WHC-IP-1026	Entire Document	
	29CFR1910 Part 28	A Incorp	DOE-RL-92-36	10.0	
			WHC-CM-1-10	WKS-22	
	29CFR1910 Part 29	A Incorp	DOE-RL-92-36	14.0	
			WHC-CM-1-10	WKS-21	
				WKS-22	

SRID Element	Location	Applicable Incorporated Implementing Manuals			
	29CFR1910 Part 37	A Incorp	WHC-CM-1-10	WKS-18 Work Surfaces	
			WHC-CM-4-41	3.1 Design Criteria	
				4.2 System Testing, ...	
				6.3 Building Emergency Exits	
				6.5 Fire Barriers	
	29CFR1910 Part 38	A Incorp	WHC-CM-1-10	WKS-9 Office Safety	
			WHC-CM-4-41	Section 1	
			WHC-IP-0971	Entire Document	
			WHC-SD-WM-HSP-002	9.0 Emerg. Response	
				Appendices	
	29CFR1910 Part 67	A Incorp	WHC-CM-1-10	WKS-20	
	29CFR1910 Part 68	A Incorp	WHC-CM-1-10	WKS-20	
	29CFR1910 Part 94	A Dis	WHC-CM-1-11	WKH 15	
			WHC-CM-4-40	3.6	Revit
	29CFR1910 Part 95	A Incorp	WHC-CM-4-40	3.5	
			WHC-SD-WM-HSP-002	2 2.4.5	
	29CFR1910 Part 97	A Incorp	WHC-CM-4-40	3.7	
	29CFR1910 Part 101	A Dis	WHC-CM-1-10	WKS-14	
				WKS-14	Revit
	29CFR1910 Part 102	A Incorp	WHC-CM-1-10	WKS-14	
	29CFR1910 Part 106	A Incorp	WHC-CM-4-41	5.5	
				5.6	
	29CFR1910 Part 107	A Dis	WHC-CM-1-11	TBD	Revit
	29CFR1910 Part 110	A Incorp	WHC-CM-4-41	5.3 3.6	
	29CFR1910 Part 119	A Incorp	WHC-CM-1	Compliance Assurance Charter	
			WHC-CM-1-10	WKS-1 Employee Rights	
				WKS-2	
				WKS-4 Investigation	
				WKS-5 Subcontractors	
				WKS-9 Office Safety	
			WHC-CM-1-3	MRP 1.22	
			WHC-CM-1-5	1.2 Startup and Restart	
				6.2 Critiquing Events	

SRID Elemen	Location		Applicable Incorporated Implementing Manuals	
			WHC-CM-1-8	1.0 Fundamentals
				1.0 Subsectioni 6.3.2
			WHC-CM-2-5	4.1 Change Control
			WHC-CM-4-40	2.1 Hazard Communication
				2.6
			WHC-CM-4-41	5.3 Hotwork
				Section 1
			WHC-CM-4-46	Entire Manual
			WHC-IP-0971	Entire Document
			WHC-SD-WM-HSP-002	1.3 Work Control
				9.0 Emergency Response Plan
	29CFR1910 Part 120	A Incorp	WHC-CM-4-40	2.19
			WHC-SD-WM-HSP-002	Entire Document
	29CFR1910 Part 120(b)(3)(v)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.2.C.5
	29CFR1910 Part 120(b)(4)(ii)(B)	A Dis	WHC-SD-WM-HSP-002	Table 3-1
	29CFR1910 Part 120(b)(4)(ii)(C)	A Dis	WHC-SD-WM-HSP-002	Entire Document Paragraph 4.1
	29CFR1910 Part 120(b)(4)(ii)(H)	A Dis	WHC-SD-WM-HSP-002	Entire Document Chapter 7.0 & 9.0
	29CFR1910 Part 120(c)(5)(i)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Paragraph 3.2.7
	29CFR1910 Part 120(c)(5)(ii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Paragraph 3.2.2.E
	29CFR1910 Part 120(c)(5)(iv)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
				HWO-1 HWO 1, Sub. Sec. 3.2.3.E.4
	29CFR1910 Part 120(c)(8)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.5
			WHC-SD-WM-HSP-002	Entire Document Sub. Sec. 3.2.5
	29CFR1910 Part 120(e)(1)(i)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sec. 3.2.5.A
	29CFR1910 Part 120(e)(1)(ii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.5.D
			WHC-SD-WM-HSP-002	Entire Document Sub. Sec. 3.4
	29CFR1910 Part 120(e)(2)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.5.B
	29CFR1910 Part 120(e)(3)(i)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.5.C
	29CFR1910 Part 120(e)(3)(ii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.5.C
	29CFR1910 Part 120(e)(3)(iii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.5.C

SRID Element	Location	Applicable	Incorporated Implementing Manuals	
	29CFR1910 Part 120(e)(3)(iv)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.5.C
	29CFR1910 Part 120(e)(4)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.5.D
	29CFR1910 Part 120(e)(5)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.5.E
	29CFR1910 Part 120(e)(6)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sec. 3.2.5.F
	29CFR1910 Part 120(e)(7)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sec. 3.2.5.G
	29CFR1910 Part 120(e)(8)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sec. 3.2.5.H
	29CFR1910 Part 120(e)(9)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(f)(1)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.6.A
			WHC-SD-WM-HSP-002	5.1
	29CFR1910 Part 120(f)(3)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.6.C
	29CFR1910 Part 120(f)(3)(ii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.6.C.2
	29CFR1910 Part 120(f)(4)(ii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.6.D.1
	29CFR1910 Part 120(f)(7)(ii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(f)(8)(i)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.6.H
	29CFR1910 Part 120(f)(8)(ii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.6.H.2
	29CFR1910 Part 120(g)(3)(ii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Paragraph 3.2.7.C
	29CFR1910 Part 120(g)(3)(iv)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Appendix G, Para. 3.0
			WHC-SD-WM-HSP-002	Entire Document Paragraph 4.4
	29CFR1910 Part 120(g)(3)(v)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Appen. G, Para. 3.3
			WHC-SD-WM-HSP-002	Entire Document Paragraph 4.1
	29CFR1910 Part 120(g)(4)(ii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Paragraph 3.2.7.D
	29CFR1910 Part 120(g)(4)(iii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Paragraph 3.2.7.D
	29CFR1910 Part 120(i)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sec. 3.2.3.H
			WHC-SD-WM-HSP-002	Entire Document
	29CFR1910 Part 120(j)(1)(i)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(1)(ii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(1)(iii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(1)(iv)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(1)(ix)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1

SRID Element	Location	Applicable	Incorporated Implementing Manuals	
	29CFR1910 Part 120(j)(1)(v)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(1)(vi)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(1)(vii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(1)(viii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(1)(x)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(1)(xi)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(2)(i)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(2)(ii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(2)(iv)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(2)(v)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(2)(vi)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(2)(vii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(3)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(4)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(5)(i)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(5)(ii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(5)(iii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(5)(iv)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(5)(v)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(5)(vi)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(6)(i)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(6)(ii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(7)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(8)(i)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(8)(ii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(8)(iii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(j)(8)(iv)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1
	29CFR1910 Part 120(k)(5)(i)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.11.E
	29CFR1910 Part 120(k)(5)(ii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.11.E
	29CFR1910 Part 120(k)(7)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.11.G

SRID Element	Location	Applicable	Incorporated	Implementing Manuals	
	29CFR1910 Part 120(n)(1)(i)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.14.A.1	
	29CFR1910 Part 120(n)(1)(ii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.14.A.2	
	29CFR1910 Part 120(n)(1)(iii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.14.A.3	
	29CFR1910 Part 120(n)(1)(iv)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.14.A.4	
	29CFR1910 Part 120(n)(2)(i)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.14.B	
	29CFR1910 Part 120(n)(3)(ii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.14.C	
	29CFR1910 Part 120(n)(7)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.14.G	
	29CFR1910 Part 120(n)(7)(ii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.14.G	
	29CFR1910 Part 120(n)(7)(iii)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.14.G	
	29CFR1910 Part 120(n)(7)(iv)	A Dis	WHC-CM-4-3, Volume 4	HWO-1 HWO 1, Sub. Sec. 3.2.14.G	
	29CFR1910 Part 132	A Incorp	WHC-CM-1-10	WKS-10	
	29CFR1910 Part 133	A Incorp	WHC-CM-1-10	WKS-10	
	29CFR1910 Part 134	A Dis	WHC-CM-1-11	WKH 15	
				WKH 15	Revit
	29CFR1910 Part 134(d)(1)	A Dis	WHC-CM-4-3, Volume 3	Entire Document Paragraph 13.0	
	29CFR1910 Part 134(d)(2)	A Dis	WHC-CM-4-3, Volume 3	Entire Document Paragraph 13.0	
	29CFR1910 Part 134(d)(2)(ii)	A Dis	WHC-CM-4-3, Volume 3	Entire Document Paragraph 13.0	
	29CFR1910 Part 134(d)(3)	A Dis	WHC-CM-4-3, Volume 3	Entire Document Paragraph B	
	29CFR1910 Part 134(e)(1)	A Dis	WHC-CM-4-3, Volume 3	Entire Document	
	29CFR1910 Part 134(e)(2)	A Dis	WHC-CM-4-3, Volume 3	Entire Document	
	29CFR1910 Part 134(e)(3)	A Dis	WHC-CM-4-3, Volume 3	Entire Document	
	29CFR1910 Part 134(e)(3)(i)	A Dis	WHC-CM-4-3, Volume 3	Entire Document	
			WHC-SD-WM-HSP-002	Entire Document	
	29CFR1910 Part 134(e)(5)(i)	A Dis	WHC-CM-4-3, Volume 3	Entire Document Paragraphs 10.0 & 12.0	
	29CFR1910 Part 135	A Incorp	WHC-CM-1-10	WKS-10 3.3 - Head Protection	
	29CFR1910 Part 136	A Incorp	WHC-CM-1-10	WKS-10 3.4 - Foot Protection	
	29CFR1910 Part 137	A Dis	WHC-CM-1-10	WKS-15	Rev
				WKS-15 Electrical Work Safety	
	29CFR1910 Part 138	A Incorp	WHC-CM-1-10	WKS-10 3.5 - Hand Protection	

SRID Element	Location	Applicable Incorporated Implementing Manuals			
	29CFR1910 Part 141	A Dis	WHC-CM-4-40	4.4	Revit
	29CFR1910 Part 144	A Incorp	WHC-CM-1-10	WKS-29 Safety Color Coding	
	29CFR1910 Part 145	A Dis	WHC-CM-1-10	WKS-28	Revit
				WKS-28 Signs, Tags, & Barriers	
	29CFR1910 Part 146	A Incorp	WHC-CM-1-11	WKH 5	
	29CFR1910 Part 147	A Incorp	WHC-CM-1-10	WKS 8.1	
				WKS-8.3	
	29CFR1910 Part 151(a) and (b)	A Incorp	WHC-CM-1-10	WKS-7 Worksite First Aid	
			WHC-CM-4-40	1.1 Subsection 5.4	
	29CFR1910 Part 151(c)	A Incorp	WHC-CM-1-10	WKS-11	
	29CFR1910 Part 169	A Incorp	WHC-CM-4-41	3.1	
	29CFR1910 Part 176	A Incorp	WHC-CM-1-10	WKS-18 Fall Protection	
				WKS-25 Material Handling/Storage	
				WKS-27 3.9, Railroad Safety	
			WHC-CM-4-40	2.4	
	29CFR1910 Part 177	A Incorp	WHC-CM-8-7	742 5.1	
	29CFR1910 Part 179	A Incorp	DOE-RL-92-36	13.0 Overhead Cranes	
				8.0 Wire Rope	
			WHC-CM-1-10	WKS-25	
	29CFR1910 Part 180	A Incorp	DOE-RL-92-36	14.0 Mobile Cranes	
				8.0 Wire Rope	
			WHC-CM-1-10	WKS-25 Material Handling & Stora	
	29CFR1910 Part 184	A Incorp	DOE-RL-92-36	9.0 Slings	
			WHC-CM-1-10	WKS-25	
	29CFR1910 Part 200	A Incorp	WHC-CM-4-40	2.1	
				2.4	
	29CFR1910 Part 212	A Incorp	WHC-CM-1-10	WKS-13 Machine Guarding	
	29CFR1910 Part 213	A Incorp	WHC-CM-1-10	WKS-12 Power Tools	
				WKS-13 Machine Guarding	
	29CFR1910 Part 215	A Incorp	WHC-CM-1-10	WKS-12 Power Tools	
				WKS-13 Machinery Guarding	

SRID Element	Location	Applicable Incorporated Implementing Manuals			
	29CFR1910 Part 217	A Dis	WHC-CM-1-10	WKS-12	Revit
				WKS-12 Power Tools	
				WKS-13 Machine Guarding	
				WKS-4 Reporting	
	29CFR1910 Part 219	A Incorp	WHC-CM-1-10	WKS-13 Machinery Guarding	
	29CFR1910 Part 242	A Dis	WHC-CM-1-10	WKS-12	Revit
				WKS-12 Power Tools	
	29CFR1910 Part 243	A Incorp	WHC-CM-1-10	WKS-12 Power Tools	
				WKS-13 Machine Guarding	
	29CFR1910 Part 244	A Incorp	WHC-CM-1-10	WKS-12 Power Tools	
			WHC-CM-4-2	QR 15.0	
	29CFR1910 Part 252	A Incorp	WHC-CM-1-11	WKH 5	
			WHC-CM-4-41	5	
	29CFR1910 Part 253	A Incorp	WHC-CM-4-40	2.4	
			WHC-CM-4-41	5	
	29CFR1910 Part 254	A Incorp	WHC-CM-4-41	5	
	29CFR1910 Part 255	A Incorp	WHC-CM-4-41	5	
	29CFR1910 Part 302	A Incorp	WHC-CM-1-10	WKS-16	
			WHC-CM-4-41	3.1 Design Criteria	
	29CFR1910 Part 303	A Incorp	WHC-CM-1-10	WKS 8.1 8.2, 8.3	
				WKS-15 Work Safety	
				WKS-16 Elec. Install. Safety	
			WHC-CM-4-41	3.1	
			WHC-CM-8-7	724	
			WHC-CM-8-9	301	
				304	
	29CFR1910 Part 304	A Incorp	WHC-CM-1-10	WKS-15	
				WKS-16	
			WHC-CM-8-7	720	
			WHC-CM-8-9	301 5.7	

SRID Element	Location	Applicable Incorporated Implementing Manuals				
	29CFR1910 Part 305	A	Incorp	WHC-CM-1-10	WKS-15 Safe Electrical Work	
					WKS-16 Elec. Installation Safety	
				WHC-CM-8-9	301 Conduits	
					304 Cable Installation	
	29CFR1910 Part 306	A	Incorp	WHC-CM-1-10	WKS-15	
					WKS-16	
	29CFR1910 Part 307	A	Incorp	WHC-CM-1-10	WKS-15	
					WKS-16	
					WKS-8.3	
				WHC-CM-8-9	301	
	29CFR1910 Part 308	A	Incorp	WHC-CM-1-10	WKS-15	
					WKS-16	
					WKS-8.3	
				WHC-CM-4-41	3.1	
	29CFR1910 Part 332	A	Incorp	WHC-CM-1-10	WKS-15 4.1	
	29CFR1910 Part 332 (b)(3)	A	Dis	WHC-CM-4-3, Volume 1	G-1 G 1	
				WHC-ID-0842	5.9.1	
	29CFR1910 Part 333	A	Incorp	WHC-CM-1-10	WKS 8.1 8.2, 8.3	
					WKS-15	
	29CFR1910 Part 334	A	Dis	WHC-CM-1-10	WKS-15	Revit
					WKS-15 Electrical Work Safety	
	29CFR1910 Part 335	A	Incorp	WHC-CM-1-10	WKS-10 PPE	
					WKS-15 Electrical Work Safety	
	29CFR1910 Part 450	A	Incorp	WHC-CM-4-40	2.18	
	29CFR1910 Part 1000	A	Incorp	WHC-CM-4-40	1.1	
					2.18	
					2.2	
	29CFR1910 Part 1001	A	Incorp	WHC-CM-4-40	2.3	
	29CFR1910 Part 1025	A	Incorp	WHC-CM-1-11	WKH 14	
	29CFR1910 Part 1030	A	Incorp	WHC-CM-4-40	4.1	

SRID Elemen	Location	Applicable	Incorporated	Implementing Manuals
	ACGIH Table of Contents Chemical Substances 1994-1995 [Re	A Incorp	WHC-CM-4-40	1.1 Section 3.0
	ACGIH Table of Contents Physical Substances 1994-1995 [Re	A Incorp	WHC-CM-4-40	1.1 Section 3.0
	DOE5480.10 Section 9.b(3)	A Incorp	WHC-CM-4-40	1.1 Subpart 5.2
				1.1 Subpart 5.3
	DOE5480.10 Section 9.c(4)(b)	A Incorp	WHC-CM-4-40	2.2
	DOE5480.10 Section 9.c(4)(d)	A Incorp	WHC-CM-4-40	2.2 6.5
				2.2 6.6
	DOE5480.10 Section 9.c(4)(e)	A Incorp	WHC-CM-4-40	2.2
19.3.2.3 Construction Safety and Health	29CFR1926 Part 21	A Incorp	WHC-CM-1-10	WKS-1 Responsibilities
				WKS-2 Communications
				WKS-5 Subcontractors
	29CFR1926 Part 23	A Incorp	WHC-CM-1-10	WKS-7 First Aid
	29CFR1926 Part 24	A Incorp	WHC-CM-1-10	WKS-5 Subcontractor
			WHC-CM-4-41	5.8 Construction Sites
	29CFR1926 Part 25	A Incorp	WHC-CM-1-10	WKS-18 Walking/Working Surfaces
			WHC-CM-4-41	5.5
	29CFR1926 Part 26	A Incorp	WHC-SD-WM-HSP-002	2.4.7
	29CFR1926 Part 27	A Dis	WHC-CM-4-40	4.3
	29CFR1926 Part 28	A Incorp	WHC-CM-1-11	WKH 15
			WHC-SD-WM-HSP-002	Entire Document

SRID Element	Location	Applicable	Incorporated	Implementing Manuals	
	29CFR1926 Part 29	A Incorp	WHC-CM-8-7	751	
			WHC-IP-1026	Entire Document	
	29CFR1926 Part 33	A Dis	WHC-CM-1-10	WKS-1 Responsibilities	
			WHC-CM-4-40	1.3	Revit
				2.1 Subsection 10	
				2.1 Subsection 12	
	29CFR1926 Part 34	A Incorp	WHC-CM-4-41	6.3 Emergency Exits	
	29CFR1926 Part 35	A Incorp	WHC-CM-1-10	WKS-5	
				WKS-9	
			WHC-CM-4-43	Entire Document	
			WHC-IP-0971	Entire Document	
			WHC-SD-WM-HSP-002	9.0	
	29CFR1926 Part 50	A Incorp	WHC-CM-1-10	WKS-7 First Aid	
			WHC-CM-4-40	1.1 Subsection 5.4	
			WHC-CM-4-41	5.8	
	29CFR1926 Part 51	A Dis	WHC-CM-4-40	2.19 3.2.14	
				4.4	Re
			WHC-SD-WM-HSP-002	2.8.23	

SRID Element	Location	[illegible]pplicable Incorporated Implementing Manuals				
	29CFR1926 Part 52	A	Incorp	WHC-CM-4-40	3.5	
	29CFR1926 Part 54	A	Incorp	WHC-CM-4-40	3.8	
	29CFR1926 Part 55	A	Incorp	WHC-CM-4-40	1.1	
	29CFR1926 Part 56	A	Incorp	WHC-CM-4-40	2.19 3.2.13	
				WHC-SD-WM-HSP-002	2 2.4.7	
	29CFR1926 Part 57	A	Dis	WHC-CM-4-40	3.6	Revit
	29CFR1926 Part 58	A	Incorp	WHC-CM-4-40	2.3	
	29CFR1926 Part 59	A	Incorp	WHC-CM-4-40	2.1	
	29CFR1926 Part 62	A	Incorp	WHC-CM-1-11	WKH 14	
	29CFR1926 Part 64	A	Incorp	WHC-CM-1	Compliance Assurance Charter	
				WHC-CM-1-10	WKS-1 Safety Responsibilities	
					WKS-4 Investigation	
					WKS-5 Subcontractors	
				WHC-CM-1-3	MRP 1.13	
					MRP 1.22	
				WHC-CM-1-5	1.2	
				WHC-CM-1-8	1.0	
				WHC-CM-2-5	4.1	

SRID Elemen	Location		Applicable Incorporated Implementing Manuals	
			WHC-CM-4-40	2.1 HazCom
			WHC-CM-4-41	5.3
			WHC-CM-4-46	Entire Manual
			WHC-IP-1026	Entire Document
	29CFR1926 Part 65	A Incorp	WHC-CM-4-40	2.19
				2.20
				2.21
			WHC-SD-WM-HSP-002	Entire Document
	29CFR1926 Part 200	A Incorp	WHC-CM-1-10	WKS-27 Transportation Safety
				WKS-28 Signs, Tags, & Barriers
	29CFR1926 Part 201	A Incorp	DOE-RL-92-36	12.0 12.8.3
				13.0 13.7.2
				14.0 14.4.8
			WHC-CM-1-10	WKS-27
	29CFR1926 Part 202	A Incorp	WHC-CM-1-10	WKS-27 Transportation Safety
	29CFR1926 Part 250	A Incorp	WHC-CM-1-10	WKS-18
				WKS-25

SRID Element	Location			Applicable Incorporated Implementing Manuals	
	29CFR1926 Part 251	A Incorp	DOE-RL-92-36	10.0 Rigging Hardware	
				8.0 Wire Rope	
				9.0 Slings	
	29CFR1926 Part 252	A Incorp	WHC-CM-1-10	WKS-18	
				WKS-19	
				WKS-26	
			WHC-CM-4-41	5.5 Subsection 4.13	
	29CFR1926 Part 300	A Incorp	WHC-CM-1-10	WKS-12 Hand/Power Tools	
				WKS-13 Machine Guarding	
	29CFR1926 Part 301	A Dis	WHC-CM-1-10	WKS-12	
				WKS-12	Revit
	29CFR1926 Part 302	A Dis	WHC-CM-1-10	WKS-12	
				WKS-12	Revit
			WHC-CM-4-2	QR 15.0 15.6	
	29CFR1926 Part 303	A Dis	WHC-CM-1-10	WKS-12	
				WKS-12	Revit

SRID Element	Location	Applicable Incorporated Implementing Manuals				
	29CFR1926 Part 304	A	Dis	WHC-CM-1-10	WKS-12	
					WKS-12	Revit
	29CFR1926 Part 305	A	Incorp	WHC-CM-1-10	WKS-12	
	29CFR1926 Part 306	A	Incorp	WHC-CM-4-41	3.1	
	29CFR1926 Part 307	A	Dis	WHC-CM-1-10	WKS-13	
					WKS-13	Revit
	29CFR1926 Part 350	A	Dis	WHC-CM-4-41	5	Revit
	29CFR1926 Part 351	A	Dis	WHC-CM-4-41	5	Revit
	29CFR1926 Part 352	A	Incorp	WHC-CM-4-41	5.3	
	29CFR1926 Part 353	A	Incorp	WHC-CM-4-41	5.1	
					5.3 3.4	
					5.4	
	29CFR1926 Part 354	A	Incorp	WHC-CM-4-40	2.1	
				WHC-CM-4-41	2.1	
	29CFR1926 Part 403	A	Incorp	WHC-CM-1-10	WKS-15	
					WKS-16	
					WKS-8.2	
				WHC-CM-8-9	301	

SRID Elemen	Location		Applicable Incorporated Implementing Manuals	
				304
	29CFR1926 Part 404	A Incorp	WHC-CM-1-10	WKS-15
				WKS-16
			WHC-CM-8-9	301 5.7
	29CFR1926 Part 405	A Incorp	WHC-CM-1-10	WKS-15
				WKS-16
			WHC-CM-8-9	301
				304
	29CFR1926 Part 406	A Incorp	WHC-CM-1-10	WKS-15
				WKS-16
	29CFR1926 Part 407	A Incorp	WHC-CM-1-10	WKS-15 Elect. Work Safety
				WKS-16 Elec. Installation Safety
				WKS-8.3
			WHC-CM-8-9	301
	29CFR1926 Part 408	A Incorp	WHC-CM-1-10	WKS-15
				WKS-16
				WKS-8.3

SRID Element	Location	Applicable Incorporated Implementing Manuals			
	29CFR1926 Part 416	A Incorp	WHC-CM-1-10	WKS-15	
				WKS-18	
				WKS-8.2	
	29CFR1926 Part 417	A Incorp	WHC-CM-1-10	WKS-8.2	
	29CFR1926 Part 431	A Incorp	WHC-CM-1-10	WKS-15	
				WKS-16	
	29CFR1926 Part 432	A Incorp	WHC-CM-8-9	301	
				304	
	29CFR1926 Part 451	A Dis	WHC-CM-1-10	WKS-22	
				WKS-22	Revit
	29CFR1926 Part 453	A Dis	WHC-CM-1-10	WKS-21	
				WKS-21	Revit
				WKS-22	
	29CFR1926 Part 500	A Dis	WHC-CM-1-10	WKS-18	
				WKS-18	Revit
				WKS-19	

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	29CFR1926 Part 550	A Incorp	DOE-RL-92-36	12.0
				13.0
				14.0
				20.0
			WHC-CM-1-10	WKS-13
	29CFR1926 Part 552	A Incorp	DOE-RL-92-36	12.0
				8.0
			WHC-CM-1-10	WKS-20
	29CFR1926 Part 553	A Incorp	DOE-RL-92-36	12.0
	29CFR1926 Part 554	A Incorp	DOE-RL-92-36	12.0
	29CFR1926 Part 600	A Incorp	WHC-CM-1-10	WKS-27 Transportation Safety
	29CFR1926 Part 601	A Incorp	WHC-CM-1-10	WKS-27
	29CFR1926 Part 602	A Incorp	WHC-CM-1-10	WKS-13
				WKS-27
	29CFR1926 Part 604	A Incorp	WHC-CM-1-10	WKS-27
			WHC-CM-4-40	2.1

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	29CFR1926 Part 651	A Incorp	WHC-CM-1-10	WKS-17
				WKS-19
			WHC-CM-8-7	503
	29CFR1926 Part 652	A Incorp	WHC-CM-1-10	WKS-17
	29CFR1926 Part 701	A Incorp	WHC-CM-1-10	WKS-10
				WKS-24
	29CFR1926 Part 702	A Incorp	WHC-CM-1-10	WKS-24
				WKS-8.2
	29CFR1926 Part 703	A Incorp	WHC-CM-1-10	WKS-24
	29CFR1926 Part 704	A Incorp	WHC-CM-1-10	WKS-24
	29CFR1926 Part 705	A Incorp	WHC-CM-1-10	WKS-24 Subsection 3.1
	29CFR1926 Part 706	A Incorp	WHC-CM-1-10	WKS-24 Subsections 3.3 and 3.4
	29CFR1926 Part 750	A Incorp	WHC-CM-1-10	WKS-19
				WKS-23 Subsection 3.2
	29CFR1926 Part 751	A Incorp	WHC-CM-1-10	WKS-23 Subsection 3.3
	29CFR1926 Part 752	A Incorp	WHC-CM-1-10	WKS-23

SRID Eleme...	Location	Applicable Incorporated Implementing Manuals		
	29CFR1926 Part 950	A Incorp	WHC-CM-1-10	WKS-15
				WKS-16
			WHC-CM-8-7	724
	29CFR1926 Part 951	A Incorp	WHC-CM-1-10	WKS-15
			WHC-CM-8-7	724
	29CFR1926 Part 952	A Incorp	WHC-CM-1-10	WKS-15
				WKS-16
			WHC-CM-8-7	724
	29CFR1926 Part 953	A Incorp	WHC-CM-1-10	WKS-15
				WKS-16
			WHC-CM-8-7	724
	29CFR1926 Part 954	A Incorp	WHC-CM-1-10	WKS-15
				WKS-16
			WHC-CM-8-7	724
	29CFR1926 Part 955	A Incorp	DOE-RL-92-36	14.0
			WHC-CM-1-10	WKS-15
				WKS-16
			WHC-CM-8-7	724

SRID Element	Location	Applicable Incorporated Implementing Manuals			
	29CFR1926 Part 956	A Incorp	WHC-CM-1-10	WKS-15	
				WKS-16	
				WKS-17	
			WHC-CM-8-7	724	
	29CFR1926 Part 957	A Incorp	WHC-CM-1-10	WKS-15	
				WKS-16	
			WHC-CM-8-7	724	
	29CFR1926 Part 959	A Incorp	WHC-CM-1-10	WKS-15	
			WHC-CM-8-7	724	
	29CFR1926 Part 1051	A Dis	WHC-CM-1-10	WKS-18	
				WKS-19	
				WKS-21	
				WKS-21	Revit
	29CFR1926 Part 1052	A Incorp	WHC-CM-1-10	WKS-18	
			WHC-IP-1026	Entire Document	
	29CFR1926 Part 1053	A Dis	WHC-CM-1-10	TBD	Revi
				WKS-18	
				WKS-21	

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	29CFR1926 Part 1060	A Incorp	WHC-CM-1-10	WKS-21 Subsection 4.2.1
19.4.1 Health Examinations	DOE5480.10 Section 9.b(6)	A Incorp	WHC-CM-4-40	1.1
				1.1 Sub 5.3.5
	DOE5480.8A Section 11.b(3)(a)	A Incorp	WHC-CM-1-3	MRP 4.2
				MRP 4.5 Sub 4.0
			WHC-CM-4-40	1.1 Subsection 5.4
			WHC-SD-WM-HSP-002	Entire Document 002, Sec 5.1, Para 3
				Entire Document 002, Sec 5.2
	DOE5480.8A Section 11.b(3)(b)	A Incorp	WHC-CM-1-3	MRP 4.5
			WHC-CM-4-40	2.19 Appendix F
			WHC-SD-WM-HSP-002	5.0 Subsection 5.1
	DOE5480.8A Section 11.b(3)(c)	A Incorp	WHC-CM-1-3	MRP 4.5 Sub 4.0 and 4.1
			WHC-SD-WM-HSP-002	Entire Document 002, Sec 5.1, Para 2
	DOE5480.8A Section 11.b(3)(e)	A Incorp	WHC-CM-1-10	WKS-4
			WHC-CM-1-3	MRP 4.5 Sub 4.1, item 3
	DOE5480.8A Section 11.b(3)(f)	A Incorp	WHC-CM-1-3	MRP 4.5 Sub 4.5
			WHC-SD-WM-HSP-002	Entire Document 002, Sec 5.6
19.4.3 Diagnosis and Treatment	DOE5480.8A Section 11.c(3)	A Incorp	WHC-CM-1-10	WKS-4
			WHC-CM-1-3	MRP 4.5 Medical Examinations
			WHC-CM-4-40	2.19 Appendix F
			WHC-SD-WM-HSP-002	5.0
19.5 Occupational Safety and Health Training	DOE5480.10 Section 9.a(4)	A Incorp	WHC-CM-4-40	1.1
			WHC-IP-1121	Entire Document Chapter 1.0, Subpart 5.1, Para 5
	DOE5480.10 Section 9.b(5)	A Incorp	WHC-CM-2-15	1.1 Subpart 5.2.2
			WHC-CM-4-40	1.1 Sub 5.3
				1.1 Sub 5.3, item 10.0
				2.1 Sub 8.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
			WHC-IP-1121	Entire Document Chapter 1.0, Subpart 5.1, Para 5
19.6.1 Occupational Injury and Illness Reporting	DOE5480.10 Section 9.f(2)	A Incorp	WHC-CM-4-40	1.1
				2.1
	DOE5483.1A Chapter I, Section 5.d	A Incorp	WHC-CM-1-10	WKS-1
			WHC-CM-4-40	2.1 Sub 4.0
	DOE5483.1A Chapter I, Section 5.e	A Incorp	WHC-CM-1-10	WKS-1
			WHC-CM-4-40	2.1
	DOE5483.1A Chapter III, Section 2	A Incorp	WHC-CM-1-10	WKS-4 Section 4.5
			WHC-CM-1-3	MRP 1.13
			WHC-CM-4-40	1.1

3.20 Environmental Protection

ENVIRONMENTAL PROTECTION

1.0 INTRODUCTION

This assessment consisted of reviewing requirements that provide for protection of the environment. The requirements were listed as Chapter 20 of the Standards/Requirements Identification Document (S/RID). Personnel [J. D. Guberski & K. A. Engelhardt] from Tank Farms Transition Project, Environmental Compliance and Support Services, performed the Phase 1 assessment. The major interface area was with the WASTE MANAGEMENT functional area, which was assessed by the same individuals. Minor contact was made with the Emergency Planning Organization to confirm scope of procedures. Other assessment teams were not contacted.

The assessment was performed by comparing the requirements to the primary environmental documents used within WHC, WHC-CM-7-5, "Environmental Compliance", and WHC-EP-0693, "Hanford Site Solid Waste Acceptance Criteria". The Environmental Protection functional area requirements, applicable to TWRS, mainly address protection of the environment from wastes stored in the single and double shell tank systems. This includes wastes generated during routine activities related to the storage, monitoring, characterization, and planned disposal of the waste or tank system equipment.

2.0 SUMMARY

This assessment indicates that the overall S/RID compliance status, for ENVIRONMENTAL PROTECTION, is high. Some minor, non-safety related, requirements were identified as apparently not implemented. These requirements were not identified as being contained in the corporate or TWRS manuals reviewed, although the requirement is implied. It is expected that the Phase 2 review will identified lower tier documents specifically implementing these requirements. Since this may also identify upper tier documents that address the requirement, revision of WHC-CM-7-5 to include these requirements should be delayed until the Phase 2 assessment is completed. A problem identified during the review was the inclusion of a significant number of requirements that apply to regulator actions. These S/RID requirements were identified as Not Applicable since WHC can not perform these actions.

Within the Waste Management Functional area 341 individual requirements were evaluated. Of these, 254 were evaluated as being implemented in controlled procedures, while only one was determined to be discrepant, i.e., not being totally implemented by facility procedures. The requirement identified as discrepant requires no immediate compensatory

action nor have any impact on safety-related criteria. The remaining 86 requirements were judged to be not applicable.

3.0 DETAILED RESULTS

The ENVIRONMENTAL POLICY MANAGEMENT element [20.1] address the actions necessary to ensure the National Environmental Policy Act and the Washington State Environmental Policy Act are met for major actions. Both acts require that affects on the environment be considered in deciding on choices to accomplish a required or desired action. In general this element deals with actions that can only be performed by DOE or Washington State agencies. Inclusion of the requirements does inform Westinghouse personnel of the information needed by these agencies to comply with these acts. WHC-CM-7-5, "Environmental Compliance" appropriately describes how to address these acts.

The PERMITS element [20.2] address the requirements to obtain permits to ensure compliance with limits on discharge of harmful or potentially harmful substances to the air, water, or soil. The intent is protection of the environment, the public, and workers. WHC-CM-7-5 correctly describes what actions and information are needed to ensure compliance.

The ENVIRONMENTAL MONITORING, SURVEILLANCE AND INSPECTIONS element [20.3] address the actions necessary to establish a baseline of natural or external to Hanford impacts on the environment from radiological or hazardous substances. It also address those actions necessary to detect and quantify the amounts of these substances released to the environment and impacts, if any, on the environment, the public, and workers. This element includes those requirements necessary to ensure: 1) the potential for occurrence of fire is minimized; 2) on-site or off-site releases of radiological or other hazardous material as a result of fire do not threaten workers or public health and safety or the environment; and 3) incorporation of provisions for life safety and avoidance of undue hazards to workers and the public.

The ENVIRONMENTAL CONTROL STANDARDS element [20.4] identifies the general control standards to be used to prevent environmental impacts from radionuclides or hazardous substances. The requirements contained in DOE 5400.5 are implemented by PNNL. TFTP applies these requirements by use of WHC-EP-0498, "Unit Dose Calculation Methods and Summary of Facility Effluent Monitoring Plans." Also the 40 CFR 355, Part 30(e) AND WAC 173-303 requirements should be moved to the Emergency Planning element as these requirements deal with emergency situations.

The POLLUTION PREVENTION element [20.5] addresses the requirements to prevent pollution by minimizing the use of hazardous substances, preventing non-hazardous substances from becoming contaminated by

hazardous substances, and recycling whenever possible. The element requires the development of a pollution prevention plan and specifies what must be addressed in the plan.

The RECORD KEEPING, REPORTS AND NOTIFICATIONS ELEMENT [20.6] address the requirements for routine and non-routine reports to regulatory agencies on inventories of, or release of, radionuclides and hazardous substances. Requirements for records necessary to support these reports, inspections, monitoring, permits, and surveillance are also identified.

Table 3.1 Environmental Protection S/RID Status contains five columns; the first shows the Functional Area sub-element numerical identifier, the second shows the sub-element description, the third, fourth, and fifth show the sub-element requirement status as being; "incorporated" (Inc), "not applicable" (N/A), or "discrepant" (Dis) respectively. Any items marked Dis are discussed in Section 4.0 Discrepancies.

Table 3.1 Environmental Protection S/RID Status

Element Identifier	Element Description	Inc	N/A	Dis
20.1	Environmental Policy Management	4	12	
20.2	Permits	55	20	
20.3	Environmental Monitoring, Surveillance and Inspections	98	12	
20.4	Environmental Control Standards	25	23	
20.5	Pollution Prevention	6	1	
20.6	Record keeping, Reports and Notifications	66	18	1

4.0 DISCREPANCIES

The following describes the discrepancies listed in **Table 3.1** For each discrepancy, there is a stated plan of action for resolution. In addition, the priority of the resolution action is identified. Priorities have been grouped into three categories: **Immediate, Prompt, or Routine** actions. Immediate actions are those necessary to resolve a safety-related compliance issue and would be resolved within 2-4 weeks. Prompt actions are those that are administrative in nature but do affect the ability of WHC to demonstrate compliance with regulatory requirements and would be completed within 12-16 weeks. Routine actions are those

actions necessary to update forms or procedures (e.g., include new report distribution requirements) and would be completed at the next procedure revision cycle.

Sub-element 20.6.3 Underground Storage Tanks

WAC 173-360 Section 370 requires that various petroleum underground storage tank services be provided by licensed personnel. WHC-CM-7-5 does not specify that licensed personnel be used, however contracts for these services do specify these requirements.

Routine - Incorporate requirements into WHC-CM-7-5, Section 3.7.2.2

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Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	254

Incorporated

20.1.1 National Environmental Policy Act
40CFR1501 Part 4

20.1.2 State Environmental Policy Act
WAC-197-11 Section 100
WAC-197-11 Section 335
WAC-197-11 Section 960, Paragraph 1

20.2.1 Clean Water Permits
WAC-173-216 Section 110(5)
WAC-173-240 Section 110(1)
WAC-173-240 Section 110(2)
WAC-173-240 Section 110(3)
WAC-173-240 Section 110(4)
WAC-173-240 Section 130(1)
WAC-173-240 Section 130(2)
WAC-173-240 Section 150(1)
WAC-173-240 Section 150(2)
WAC-173-240 Section 160

20.2.1.1 Underground Injection Control (UIC) Registration
WAC-173-218 Section 090

20.2.1.2 Domestic Sewage
WAC-246-272(940394) Section 08001(1)
WAC-246-272(940394) Section 08001(2)
WAC-246-272(940394) Section 08001(3)
WAC-246-272(940394) Section 08001(5)
WAC-246-272(940394) Section 08001(6)
WAC-246-272(940394) Section 08001(7)
WAC-246-272(940394) Section 08001(8)
WAC-246-272(940394) Section 08001(9)
WAC-246-272(940394) Section 09001(1)
WAC-246-272(940394) Section 15501(1)
WAC-246-272(940394) Section 16501(1)
WAC-246-272(940394) Section 16501(2)
WAC-246-272(950131) Section 18501

20.2.2.1 Notice of Construction
40CFR61 Part 9
LAPCA-REG1 Article 8, Section 8.03
WAC-173-460(940112) Section 040(1)(a)
WAC-173-460(940112) Section 080(2)(a)
WAC-246-247(940131) Section 060(1)
WAC-246-247(940131) Section 110, Appendix A

20.2.2.2 Toxic Air Pollutants
WAC-173-460(940112) Section 050(1)(a)
WAC-173-460(940112) Section 060 Introduction
WAC-173-460(940112) Section 080(1)
WAC-173-460(940112) Section 080(2)(b)
WAC-173-460(940112) Section 080(2)(d)
WAC-173-460(940112) Section 100(2)

20.2.2.3 Radionuclide Emissions
FF-01 Conditions and Limitations
WAC-246-247(940131) Section 060(4)
WAC-246-247(940131) Section 075(11)
WAC-246-247(940131) Section 085(2)
WAC-246-247(940131) Section 110(9)
WAC-246-247(940131) Section 120, Appendix B
WAC-246-247(940131) Section 130, Appendix C

20.2.3 RCRA TSD Facility Permits
WAC-173-303(931208) Section 281(3)

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Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	254

20.2.4 Underground Storage Tanks
WAC-173-360 Section 130(2)
WAC-173-360 Section 130(4)
WAC-173-360 Section 130(7)
WAC-173-360 Section 130(9)
WAC-173-360 Section 200(1)
WAC-173-360 Section 200(2)
WAC-173-360 Section 200(3)
WAC-173-360 Section 200(6)
WAC-173-360 Section 210(1)
WAC-173-360 Section 210(2)
WAC-173-360 Section 210(3)

20.3.1 Monitoring, Surveillance and Inspection Plans and Procedures
40CFR61 Part 93(a)
DOE5400.1 Chapter IV, Section 3
DOE5400.1 Chapter IV, Section 4
DOE5400.1 Chapter IV, Section 5.a
DOE5400.1 Chapter IV, Section 5.a(2)
DOE5400.1 Chapter IV, Section 5.b(2)
DOE5400.1 Chapter IV, Section 7.a
DOE5400.1 Chapter IV, Section 7.b
DOE5400.5 Chapter II, Section 6.b(1)
DOE5484.1 Chapter III, Section 5.c(1)(a)
DOE5484.1 Chapter III, Section 5.c(2)
DOE5484.1 Chapter III, Section 5.c(3)(a)
DOE5484.1 Chapter III, Section 5.c(3)(b)
DOE5820.2A Chapter I, Section 3.b(3)(b)
DOE5820.2A Chapter I, Section 3.b(3)(c)
DOE5820.2A Chapter I, Section 3.b(3)(d)
DOE5820.2A Chapter III, Section 3.k(1)
DOE5820.2A Chapter III, Section 3.k(2)
DOE5820.2A Chapter III, Section 3.k(3)
DOE5820.2A Chapter III, Section 3.k(4)
WAC-173-216 Section 125(1)
WAC-173-216 Section 125(2)
WAC-173-303(931208) Section 320(1)
WAC-173-303(931208) Section 320(2)
WAC-173-303(931208) Section 320(3)
WAC-246-247(940131) Section 075(2)
WAC-246-247(940131) Section 075(3)
WAC-246-247(940131) Section 075(6)
WAC-246-247(940131) Section 075(7)
WAC-246-247(940131) Section 075(8)
WAC-246-247(940131) Section 075(12)
WAC-246-247(940131) Section 075(13)

20.3.2 Tank Systems
WAC-173-303(940523) Section 640(2)(a)
WAC-173-303(940523) Section 640(2)(b)
WAC-173-303(940523) Section 640(2)(c)
WAC-173-303(940523) Section 640(2)(d)
WAC-173-303(940523) Section 640(3)(a)
WAC-173-303(940523) Section 640(4)(a)
WAC-173-303(940523) Section 640(4)(b)
WAC-173-303(940523) Section 640(6)(a)
WAC-173-303(940523) Section 640(6)(b)
WAC-173-303(940523) Section 640(6)(c)
WAC-173-303(940523) Section 640(6)(d)
WAC-173-360 Section 300
WAC-173-360 Section 305(1)(b),(2)(b)
WAC-173-360 Section 305(3)(a),(b)
WAC-173-360 Section 323

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	254

WAC-173-360 Section 325 Introduction
WAC-173-360 Section 325(1)
WAC-173-360 Section 325(3)
WAC-173-360 Section 325(4)
WAC-173-360 Section 325(5)
WAC-173-360 Section 325(6)
WAC-173-360 Section 325(7)
WAC-173-360 Section 325(8)
WAC-173-360 Section 335
WAC-173-360 Section 345(1)
WAC-173-360 Section 345(6)(a)
WAC-173-360 Section 345(6)(b)
WAC-173-360 Section 345(6)(c)
WAC-173-360 Section 345(6)(d)
WAC-173-360 Section 345(6)(e)
WAC-173-360 Section 345(6)(f)
WAC-173-360 Section 345(6)(h)
WAC-173-360 Section 345(6)(j)
WAC-173-360 Section 350(1)
WAC-173-360 Section 350(2)(b)
WAC-173-360 Section 350(3)
WAC-173-360 Section 370(1)
WAC-173-360 Section 370(2)
WAC-173-360 Section 380(1)
WAC-173-360 Section 380(2)
WAC-173-360 Section 380(3)
WAC-173-360 Section 380(4)
WAC-173-360 Section 380(5)
WAC-173-360 Section 385(1)
WAC-173-360 Section 385(2)
WAC-173-360 Section 385(3)
WAC-173-360 Section 385(4)
WAC-173-360 Section 385(6)
WAC-173-360 Section 390(1)
WAC-173-360 Section 390(4)
WAC-173-360 Section 390(5)
WAC-173-360 Section 399
WAC-173-360(950131) Section 340(1)
WAC-173-360(950131) Section 340(2) Introduction
WAC-173-360(950131) Section 340(2)(a)
WAC-173-360(950131) Section 340(2)(b)
WAC-173-360(950131) Section 340(2)(c)
WAC-173-360(950131) Section 340(2)(d)
WAC-173-360(950131) Section 345(6)(i)
WAC-173-360(950131) Section 350(2)(a)
WAC-173-360(950131) Section 350(3)(b)

20.3.3 Quality Assurance
TPA Attachment 2, Section 6.5, Paragraph 1
TPA Attachment 2, Section 6.5, Paragraph 6
TPA Attachment 2, Section 7.8, Paragraph 1
TPA Attachment 2, Section 7.8, Paragraph 2
TPA Attachment 2, Section 7.8, Paragraph 5

20.4 Environmental Control Standards
40CFR355 Part 30(e)
WAC-173-303(931208) Section 355(2)

20.4.1 Water Quality
WAC-173-201A(950131) Section 040(1)
WAC-173-201A(950131) Section 160(3)(a)
WAC-173-201A(950131) Section 160(3)(b)
WAC-173-201A(950131) Section 160(3)(c)
WAC-173-201A(950131) Section 160(3)(d)

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Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	254

20.4.2 Air Quality
WAC-173-400 Section 040
WAC-173-400 Section 040(1)
WAC-173-400 Section 040(2)
WAC-173-400 Section 040(3)
WAC-173-400 Section 040(4)
WAC-173-400 Section 040(5)
WAC-173-400 Section 040(7)
WAC-173-400 Section 040(8)

20.4.3 Radiological Effluents
40CFR61 Part 92
40CFR61 Part 93(a)
40CFR61 Part 93(b)(1) and (2)
40CFR61 Part 93(b)(3)
40CFR61 Part 93(b)(4)
DOE5400.5 Chapter II, Section 1(b)
DOE5400.5 Chapter IV, Section 4.e
WAC-246-247(940131) Section 040(3)
WAC-246-247(940131) Section 040(4)
WAC-246-247(940131) Section 040(6)

20.5 Pollution Prevention
42USC13106 Section 6607
Section 030 WAC Plans Part (1)
Section 030 WAC Plans Part (2)
Section 030 WAC Plans Part (3)
Section 030 WAC Plans Part (3)
Section 030 WAC Plans, Paragraph 1

20.6 Recordkeeping, Reports and Notifications
WAC-173-303(931208) Section 355(1)

20.6.1 Incident Investigation and Reporting
40CFR355 Part 30(c)
WAC-173-303(940523) Section 145(1)
WAC-173-303(940523) Section 145(2)
WAC-173-303(940523) Section 145(3)
WAC-173-340 Section 300(2)
WAC-246-247(940131) Section 080(4)
WAC-246-247(940131) Section 080(5)
WAC-246-247(940131) Section 080(6)
WAC-246-247(940131) Section 080(7)
WAC-246-247(940131) Section 080(9)
WAC-246-247(940131) Section 080(11)

20.6.3 Underground Storage Tanks
WAC-173-303 Section 360(1)
WAC-173-303 Section 360(2)
WAC-173-303 Section 360(2)(a)
WAC-173-303 Section 360(2)(b)
WAC-173-303 Section 360(2)(c)
WAC-173-303 Section 360(2)(d)
WAC-173-303 Section 360(2)(e)
WAC-173-303 Section 360(2)(f)
WAC-173-303 Section 360(2)(g)
WAC-173-303 Section 360(2)(h)
WAC-173-303 Section 360(2)(i)
WAC-173-303 Section 360(2)(j)
WAC-173-303 Section 360(2)(k)
WAC-173-340 Section 450(2)
WAC-173-340 Section 450(3)
WAC-173-340 Section 450(4)

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Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Price	254

WAC-173-340 Section 450(7)
WAC-173-340 Section 450(8)
WAC-173-360 Section 200(1)
WAC-173-360 Section 200(2)
WAC-173-360 Section 200(3)
WAC-173-360 Section 200(4)
WAC-173-360 Section 200(5)
WAC-173-360 Section 200(6)
WAC-173-360 Section 210(1)
WAC-173-360 Section 210(2)
WAC-173-360 Section 210(3)
WAC-173-360 Section 355
WAC-173-360 Section 360
WAC-173-360 Section 370(2)
WAC-173-360 Section 372
WAC-173-360 Section 375(1)
WAC-173-360 Section 375(2)
WAC-173-360 Section 375(3)
WAC-173-360 Section 390(1)
WAC-173-360 Section 390(4)
WAC-173-360 Section 390(5)

20.6.4 Records Management
40CFR61 Part 14(b)
40CFR61 Part 14(c)
40CFR61 Part 14(d)
40CFR61 Part 14(e)
40CFR61 Part 14(f)
40CFR61 Part 94
40CFR61 Part 95
WAC-173-303(940523) Section 380(1)
WAC-173-303(940523) Section 380(2)(a)
WAC-173-303(940523) Section 380(2)(b)
WAC-173-303(940523) Section 380(2)(c)
WAC-173-303(940523) Section 380(2)(d)
WAC-173-303(940523) Section 380(3)(b)
WAC-173-303(940523) Section 380(3)(c)
WAC-173-360 Section 398
WAC-246-247(940131) Section 080(3)
WAC-246-247(940131) Section 080(8)

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Requirements Status

Applicable	SRID	Price Anderson	Status	Found
Yes	SRID	All	Not	1

Discrepant

20.6.3 Underground Storage Tanks
WAC-173-360 Section 370(1)

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Requirements Status

Applicable	SRID	Price Anderson	Status	Found
No	SRID	All	Not Marked	86

NA

20.1.1 National Environmental Policy Act
- 40CFR1500 Part 2
- 40CFR1501 Part 2
- 40CFR1501 Part 5
- 40CFR1501 Part 6 Introduction
- 40CFR1501 Part 6(a)
- 40CFR1501 Part 6(b)
- 40CFR1501 Part 6(c)
- 40CFR1505 Part 2
- 40CFR1506 Part 1(a)
- 40CFR1506 Part 1(c)
- 40CFR1506 Part 9
- 40CFR1506 Part 10(b)

20.2.1 Clean Water Permits
- WAC-173-216 Section 110(4)
- WAC-173-216 Section 110(6)
- WAC-173-240 Section 170

20.2.1.1 Underground Injection Control (UIC) Registration
- WAC-173-218 Section 040
- WAC-173-218 Section 100

20.2.1.2 Domestic Sewage
- WAC-246-272(940394) Section 09001(2 thru 7)
- WAC-246-272(940394) Section 09501(1)
- WAC-246-272(940394) Section 09501(3)
- WAC-246-272(940394) Section 09501(4)
- WAC-246-272(940394) Section 13501(3)
- WAC-246-272(940394) Section 15501(2)
- WAC-246-272(940394) Section 19501(1)
- WAC-246-272(940394) Section 19501(2)

20.2.2.1 Notice of Construction
- WAC-173-400 Section 110(1)

20.2.3 RCRA TSD Facility Permits
- WAC-173-303 Section 280

20.2.4 Underground Storage Tanks
- WAC-173-360 Section 130(1)
- WAC-173-360 Section 130(8)
- WAC-173-360 Section 200(4)
- WAC-173-360 Section 200(5)
- WAC-173-360 Section 200(7)

20.3.1 Monitoring, Surveillance and Inspection Plans and Procedures
- DOE5400.1 Chapter IV, Section 8.a(1)
- DOE5400.1 Chapter IV, Section 8.a(2)
- DOE5400.5 Chapter II, Section 6.a
- DOE5820.2A Chapter VI, Section 2, Paragraph 1
- WAC-173-304 Section 190
- WAC-246-247(940131) Section 075(1)
- WAC-246-247(940131) Section 075(9)
- WAC-246-247(940131) Section 075(10)
- WAC-246-247(940131) Section 085(1)

20.3.2 Tank Systems
- WAC-173-303(940523) Section 640(1)(b)
- WAC-173-360 Section 345(6)(g)
- WAC-173-360 Section 370(3)

20.4.1 Water Quality
- WAC-173-200(950131) Section 100(2)

Applicable	SRID	Price Anderson	Status	Found
No	SRID	All	Not Marked	86

20.4.2 Air Quality
WAC-173-400(950131) Section 115(1)

20.4.3 Radiological Effluents
DOE5400.5 Chapter II, Section 1.c(2)
DOE5400.5 Chapter II, Section 6
DOE5400.5 Chapter II, Section 6.a
DOE5400.5 Chapter II, Section 6.b
DOE5400.5 Chapter II, Section 6.b(1)
DOE5400.5 Chapter II, Section 6.b(2)
DOE5400.5 Chapter II, Section 6.b(2)(a)
DOE5400.5 Chapter II, Section 6.b(2)(b)
DOE5400.5 Chapter II, Section 6.b(2)(c)
DOE5400.5 Chapter II, Section 6.b(2)(d)
DOE5400.5 Chapter II, Section 6.b(3)(a)
DOE5400.5 Chapter II, Section 6.b(3)(b)
DOE5400.5 Chapter II, Section 6.b(3)(c)
DOE5400.5 Chapter II, Section 6.b(3)(d)
DOE5400.5 Chapter II, Section 6.b(3)(e)
DOE5400.5 Chapter II, Section 6.b(3)(f)
DOE5400.5 Chapter II, Section 6.b, Paragraph 1
DOE5400.5 Chapter IV, Section 4.a(1)
DOE5400.5 Chapter IV, Section 4.b
DOE5400.5 Chapter IV, Section 4.c
DOE5400.5 Chapter IV, Section 4.d

20.5 Pollution Prevention
Section 030 WAC Plans Part (4)

20.6.1 Incident Investigation and Reporting
40CFR355 Part 30(b)
40CFR355 Part 30(d)(1)
40CFR355 Part 30(d)(2)
40CFR355 Part 40(b)(1)
40CFR355 Part 40(b)(2)
40CFR355 Part 40(b)(3)
WAC-173-303(940523) Section 145(4)
WAC-246-247(940131) Section 080(1)

20.6.3 Underground Storage Tanks
WAC-173-340 Section 450(1)
WAC-173-360 Section 200(7)
WAC-173-360 Section 370(3)

20.6.4 Records Management
40CFR61 Part 14(a)
40CFR61 Part 14(g)(1)
40CFR61 Part 92
WAC-173-303(940523) Section 380(2) Introduction
WAC-173-303(940523) Section 380(3) and (3)(a)
WAC-173-400 Section 105
WAC-246-247(940131) Section 080(10)

SRID Element	Location	Applicable Incorporated Implementing Manuals		
20.1.1 National Environmental Policy Act	40CFR1501 Part 4	A Incorp	WHC-CM-7-5	4.0
20.1.2 State Environmental Policy Act	WAC-197-11 Section 100	A Incorp	WHC-CM-7-5	4.0
	WAC-197-11 Section 335	A Incorp	WHC-CM-7-5	4.0
	WAC-197-11 Section 960, Paragraph 1	A Incorp	WHC-CM-3-5	12.0
			WHC-CM-7-5	4.0
				4.0
				4.0
			WHC-IP-0842, VOL 1	9.5
20.2.1 Clean Water Permits	WAC-173-216 Section 110(5)	A Incorp	WHC-CM-7-5	10.0
				9.0
	WAC-173-240 Section 110(1)	A Incorp	WHC-CM-7-5	8.0
	WAC-173-240 Section 110(2)	A Incorp	WHC-CM-7-5	8.0
	WAC-173-240 Section 110(3)	A Incorp	WHC-CM-7-5	8.0
	WAC-173-240 Section 110(4)	A Incorp	WHC-CM-7-5	8.0
	WAC-173-240 Section 130(1)	A Incorp	WHC-CM-7-5	8.0
	WAC-173-240 Section 130(2)	A Incorp	WHC-CM-7-5	8.0
	WAC-173-240 Section 150(1)	A Incorp	WHC-CM-7-5	8.0
	WAC-173-240 Section 150(2)	A Incorp	WHC-CM-7-5	8.0
	WAC-173-240 Section 160	A Incorp	WHC-CM-7-5	8.0
20.2.1.1 Underground Injection Control (UIC) Registration	WAC-173-218 Section 090	A Incorp	WHC-CM-7-5	10.0
				8.0
				8.0
				8.0
20.2.1.2 Domestic Sewage	WAC-246-272(940394) Section 08001(1)	A Incorp	WHC-CM-7-5	8.0
	WAC-246-272(940394) Section 08001(2)	A Incorp	WHC-CM-7-5	8.0

SRID Element	Location	Applicable Incorporated Implementing Manuals	
	WAC-246-272(940394) Section 08001(3)	A Incorp WHC-CM-7-5	8.0
	WAC-246-272(940394) Section 08001(5)	A Incorp WHC-CM-7-5	8.0
	WAC-246-272(940394) Section 08001(6)	A Incorp WHC-CM-7-5	8.0
	WAC-246-272(940394) Section 08001(7)	A Incorp WHC-CM-7-5	8.0
	WAC-246-272(940394) Section 08001(8)	A Incorp WHC-CM-7-5	8.0
	WAC-246-272(940394) Section 08001(9)	A Incorp WHC-CM-7-5	8.0
	WAC-246-272(940394) Section 09001(1)	A Incorp WHC-CM-7-5	8.0
	WAC-246-272(940394) Section 15501(1)	A Incorp WHC-CM-7-5	8.0
	WAC-246-272(940394) Section 16501(1)	A Incorp WHC-CM-7-5	8.0
	WAC-246-272(940394) Section 16501(2)	A Incorp WHC-CM-7-5	8.0
	WAC-246-272(950131) Section 18501	A Incorp WHC-CM-7-5	8.0
20.2.2.1 Notice of Construction	40CFR61 Part 9	A Incorp WHC-CM-7-5	2.0
			2.0
	LAPCA-REG1 Article 8, Section 8.03	A Incorp WHC-CM-7-5	2.0
			3.0
			3.0
	WAC-173-460(940112) Section 040(1)(a)	A Incorp WHC-CM-7-5	2.0
			2.0
			2.0
	WAC-173-460(940112) Section 080(2)(a)	A Incorp WHC-CM-7-5	2.0
	WAC-246-247(940131) Section 060(1)	A Incorp WHC-CM-7-5	10.0
			2.0
			2.0
			2.0
			2.0
	WAC-246-247(940131) Section 110, Appendix A	A Incorp WHC-CM-7-5	2.0
			2.0
			2.0
20.2.2.2 Toxic Air Pollutants	WAC-173-460(940112) Section 050(1)(a)	A Incorp WHC-CM-7-5	2.0
			2.0

SRID Element	Location	Applicable Incorporated Implementing Manuals	
	WAC-173-460(940112) Section 060 Introduction	A Incorp WHC-CM-7-5	2.0
	WAC-173-460(940112) Section 080(1)	A Incorp WHC-CM-7-5	2.0
			2.0
	WAC-173-460(940112) Section 080(2)(b)	A Incorp WHC-CM-7-5	2.0
	WAC-173-460(940112) Section 080(2)(d)	A Incorp WHC-CM-7-5	2.0
	WAC-173-460(940112) Section 100(2)	A Incorp WHC-CM-7-5	2.0
			2.0
20.2.2.3 Radionuclide Emissions	FF-01 Conditions and Limitations	A Incorp WHC-CM-7-5	2.0
			2.0
			2.0
	WAC-246-247(940131) Section 060(4)	A Incorp WHC-CM-7-5	10.0
			2.0
			2.5.6.2
	WAC-246-247(940131) Section 075(11)	A Incorp WHC-CM-7-5	10.0
			2.0
			2.0
	WAC-246-247(940131) Section 085(2)	A Incorp WHC-CM-7-5	10.0
			10.0
			2.0
			2.0
			2.0
			9.0
	WAC-246-247(940131) Section 110(9)	A Incorp WHC-CM-7-5	10.0
			10.0
			2.0
			2.0
	WAC-246-247(940131) Section 120, Appendix B	A Incorp WHC-CM-7-5	2.0
			2.0
			2.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	WAC-246-247(940131) Section 130, Appendix C	A Incorp	WHC-CM-7-5	2.0
				2.0
20.2.3 RCRA TSD Facility Permits	WAC-173-303(931208) Section 281(3)	A Incorp	WHC-CM-7-5	10.0
				10.0
				7.0
20.2.4 Underground Storage Tanks	WAC-173-360 Section 130(2)	A Incorp	WHC-CM-7-5	3.0
				3.0
				9.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 130(4)	A Incorp	WHC-CM-7-5	3.0
	WAC-173-360 Section 130(7)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 130(9)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 200(1)	A Incorp	WHC-CM-7-5	3.0
				3.0
	WAC-173-360 Section 200(2)	A Incorp	WHC-CM-7-5	3.0
				3.0
	WAC-173-360 Section 200(3)	A Incorp	WHC-CM-7-5	3.0
				3.0
				3.0
	WAC-173-360 Section 200(6)	A Incorp	WHC-CM-7-5	3.0
				3.0
				3.0
				5.0
	WAC-173-360 Section 210(1)	A Incorp	WHC-CM-7-5	3.0
				5.0
				5.0
			WHC-IP-0839	Entire Document

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	WAC-173-360 Section 210(2)	A Incorp	WHC-CM-7-5	3.0
				5.0
	WAC-173-360 Section 210(3)	A Incorp	WHC-CM-7-5	3.0
				3.0
20.3.1 Monitoring, Surveillance and Inspection Plans and Procedures	40CFR61 Part 93(a)	A Incorp	NEW_WHC-EP-0498	1.8
			WHC-CM-7-5	2.0
				2.0
			WHC-EP-0438-1	Entire Document
	DOE5400.1 Chapter IV, Section 3	A Incorp	WHC-CM-7-5	5.0
				8.0
			WHC-EP-0440	ENTIRE DOCUMENT
	DOE5400.1 Chapter IV, Section 4	A Incorp	WHC-CM-7-5	8.0
			WHC-EP-0438-1	Entire Document
				Entire Document
			WHC-EP-0440	ENTIRE DOCUMENT
	DOE5400.1 Chapter IV, Section 5.a	A Incorp	WHC-EP-0440	ENTIRE DOCUMENT
	DOE5400.1 Chapter IV, Section 5.a(2)	A Incorp	WHC-EP-0440	ENTIRE DOCUMENT
	DOE5400.1 Chapter IV, Section 5.b(2)	A Incorp	WHC-CM-7-5	5.0
			WHC-EP-0438-1	Entire Document
				Entire Document

SRID Element	Location	Applicable Incorporated Implementing Manuals		
			WHC-EP-0440	ENTIRE DOCUMENT
	DOE5400.1 Chapter IV, Section 7.a	A Incorp	WHC-CM-7-5	5.0
				8.0
			WHC-EP-0438-1	Entire Document
			WHC-EP-0440	ENTIRE DOCUMENT
	DOE5400.1 Chapter IV, Section 7.b	A Incorp	WHC-CM-7-5	5.0
				8.0
			WHC-EP-0438-1	Entire Document
			WHC-EP-0440	ENTIRE DOCUMENT
	DOE5400.5 Chapter II, Section 6.b(1)	A Incorp	WHC-EP-0440	ENTIRE DOCUMENT
	DOE5484.1 Chapter III, Section 5.c(1)(a)	A Incorp	WHC-CM-7-5	2.0
				2.0
				2.0
				5.0
				8.0
			WHC-EP-0438-1	Entire Document
			WHC-EP-0440	ENTIRE DOCUMENT
			WHC-EP-0466-1	Entire Document

SRID Element	Location		Applicable Incorporated Implementing Manuals	
			WHC-EP-0479	Entire Document
			WHC-EP-0527-2	Entire Document
				Entire Document
	DOE5484.1 Chapter III, Section 5.c(2)	A Incorp	WHC-CM-7-5	2.0
				2.0
				5.0
			WHC-EP-0438-1	Entire Document
			WHC-EP-0440	ENTIRE DOCUMENT
	DOE5484.1 Chapter III, Section 5.c(3)(a)	A Incorp	WHC-CM-7-5	2.0
				2.0
				5.0
			WHC-EP-0438-1	Entire Document
			WHC-EP-0440	ENTIRE DOCUMENT
	DOE5484.1 Chapter III, Section 5.c(3)(b)	A Incorp	WHC-CM-7-5	2.0
				2.0
				5.0
			WHC-EP-0438-1	Entire Document
			WHC-EP-0440	ENTIRE DOCUMENT

SRID Element	Location	Applicable Incorporated Implementing Manuals		
			WHC-EP-0466-1	Entire Document
			WHC-EP-0479	Entire Document
	DOE5820.2A Chapter I, Section 3.b(3)(b)	A Incorp	WHC-CM-7-5	7.0
	DOE5820.2A Chapter I, Section 3.b(3)(d)	A Incorp	WHC-CM-7-5	2.0
	DOE5820.2A Chapter III, Section 3.k(1)	A Incorp	WHC-EP-0440	ENTIRE DOCUMENT
	DOE5820.2A Chapter III, Section 3.k(2)	A Incorp	WHC-EP-0440	ENTIRE DOCUMENT
	DOE5820.2A Chapter III, Section 3.k(3)	A Incorp	WHC-EP-0440	ENTIRE DOCUMENT
	DOE5820.2A Chapter III, Section 3.k(4)	A Incorp	WHC-EP-0440	ENTIRE DOCUMENT
	WAC-173-216 Section 125(1)	A Incorp	WHC-CM-7-5	8.0
	WAC-173-216 Section 125(2)	A Incorp	WHC-CM-7-5	8.0
	WAC-173-303(931208) Section 320(1)	A Incorp	WHC-CM-7-5	7.0
				7.0
			WHC-EP-0438-1	Entire Document
	WAC-173-303(931208) Section 320(2)	A Incorp	WHC-CM-7-5	7.0
				7.0
	WAC-173-303(931208) Section 320(3)	A Incorp	WHC-CM-7-5	7.0
				7.0
				7.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	WAC-246-247(940131) Section 075(2)	A Incorp	WHC-CM-7-5	10.0
				2.0
				2.0
				2.0
				9.0
			WHC-EP-0438-1	Entire Document
	WAC-246-247(940131) Section 075(3)	A Incorp	WHC-CM-7-5	10.0
				2.0
				2.0
				2.0
				9.0
			WHC-EP-0438-1	Entire Document
	WAC-246-247(940131) Section 075(6)	A Incorp	WHC-CM-7-5	2.0
	WAC-246-247(940131) Section 075(7)	A Incorp	WHC-CM-7-5	2.0
	WAC-246-247(940131) Section 075(8)	A Incorp	WHC-CM-7-5	10.0
				2.0
				2.0
				2.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
				9.0
			WHC-EP-0438-1	Entire Document
	WAC-246-247(940131) Section 075(12)	A Incorp	WHC-CM-7-5	10.0
				2.0
				2.0
				9.0
	WAC-246-247(940131) Section 075(13)	A Incorp	WHC-CM-7-5	10.0
				2.0
				2.0
				2.0
				9.0
			WHC-EP-0438-1	Entire Document
0.3.2 Tank Systems	WAC-173-303(940523) Section 640(4)(b)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 640(6)(a)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 640(6)(b)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 640(6)(c)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 640(6)(d)	A Incorp	WHC-CM-7-5	7.0
	WAC-173-360 Section 300	A Incorp	WHC-CM-7-5	3.0
	WAC-173-360 Section 305(1)(b),(2)(b)	A Incorp	WHC-CM-7-5	3.0
	WAC-173-360 Section 305(3)(a),(b)	A Incorp	WHC-CM-7-5	3.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	WAC-173-360 Section 323	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 325 Introduction	A Incorp	WHC-CM-7-5	3.0
	WAC-173-360 Section 325(1)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 325(3)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 325(4)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 325(5)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 325(6)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 325(7)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 325(8)	A Incorp	WHC-CM-7-5	3.0
	WAC-173-360 Section 335	A Incorp	WHC-CM-7-5	3.0
				3.0
				3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 345(1)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	WAC-173-360 Section 345(6)(a)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 345(6)(b)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 345(6)(c)	A Incorp	WHC-CM-7-5	3.0
	WAC-173-360 Section 345(6)(d)	A Incorp	WHC-CM-7-5	3.0
				3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 345(6)(e)	A Incorp	WHC-CM-7-5	3.0
	WAC-173-360 Section 345(6)(f)	A Incorp	WHC-CM-7-5	3.0
	WAC-173-360 Section 345(6)(h)	A Incorp	WHC-CM-7-5	3.0
	WAC-173-360 Section 345(6)(j)	A Incorp	WHC-CM-7-5	3.0
	WAC-173-360 Section 350(1)	A Incorp	WHC-CM-7-5	3.0
	WAC-173-360 Section 350(2)(b)	A Incorp	WHC-CM-7-5	3.0
	WAC-173-360 Section 350(3)	A Incorp	WHC-CM-7-5	3.0
	WAC-173-360 Section 370(1)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 370(2)	A Incorp	WHC-CM-7-5	3.0
				3.0
	WAC-173-360 Section 380(1)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 380(2)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 380(3)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	WAC-173-360 Section 380(4)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 380(5)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 385(1)	A Incorp	WHC-CM-7-5	3.0
	WAC-173-360 Section 385(2)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 385(3)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 385(4)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 385(6)	A Incorp	WHC-CM-7-5	3.0
	WAC-173-360 Section 390(1)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 390(4)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 390(5)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 399	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360(950131) Section 340(1)	A Incorp	WHC-CM-7-5	3.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	WAC-173-360(950131) Section 340(2) Introduction	A Incorp	WHC-CM-7-5	3.0
	WAC-173-360(950131) Section 340(2)(a)	A Incorp	WHC-CM-7-5	3.0
	WAC-173-360(950131) Section 340(2)(b)	A Incorp	WHC-CM-7-5	3.0
	WAC-173-360(950131) Section 340(2)(c)	A Incorp	WHC-CM-7-5	3.0
	WAC-173-360(950131) Section 340(2)(d)	A Incorp	WHC-CM-7-5	3.0
	WAC-173-360(950131) Section 345(6)(i)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360(950131) Section 350(2)(a)	A Incorp	WHC-CM-7-5	3.0
	WAC-173-360(950131) Section 350(3)(b)	A Incorp	WHC-CM-7-5	3.0
20.3.3 Quality Assurance	TPA Attachment 2, Section 6.5, Paragraph 1	A Incorp	DOE-RL-89-16	4.2.3
			WHC-CM-4-2	QR 17.0
			WHC-CM-7-5	6.0
	TPA Attachment 2, Section 6.5, Paragraph 6	A Incorp	DOE-RL-89-16	4.2.3
			WHC-CM-4-2	QR 17.0
			WHC-CM-7-5	6.0
	TPA Attachment 2, Section 7.8, Paragraph 1	A Incorp	WHC-CM-4-2	QR 17.0
			WHC-CM-7-5	6.0
	TPA Attachment 2, Section 7.8, Paragraph 2	A Incorp	WHC-CM-4-2	QR 17.0
			WHC-CM-7-5	6.0
	TPA Attachment 2, Section 7.8, Paragraph 5	A Incorp	WHC-CM-4-2	QR 17.0
			WHC-CM-7-5	6.0
0.4 Environmental Control Standards	WAC-173-303(931208) Section 355(2)	A Incorp	WHC-CM-7-5	Appendix J
0.4.1 Water Quality	WAC-173-201A(950131) Section 040(1)	A Incorp	WHC-CM-7-5	8.0
	WAC-173-201A(950131) Section 160(3)(a)	A Incorp	WHC-CM-7-5	8.0
	WAC-173-201A(950131) Section 160(3)(b)	A Incorp	WHC-CM-7-5	8.0
	WAC-173-201A(950131) Section 160(3)(c)	A Incorp	WHC-CM-7-5	8.0
	WAC-173-201A(950131) Section 160(3)(d)	A Incorp	WHC-CM-7-5	8.0
0.4.2 Air Quality	WAC-173-400 Section 040	A Incorp	WHC-CM-7-5	2.0
				2.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	WAC-173-400 Section 040(1)	A Incorp	WHC-CM-7-5	2.0
				2.0
	WAC-173-400 Section 040(2)	A Incorp	WHC-CM-7-5	2.0
				2.0
	WAC-173-400 Section 040(3)	A Incorp	WHC-CM-7-5	2.0
				2.0
	WAC-173-400 Section 040(4)	A Incorp	WHC-CM-7-5	2.0
				2.0
	WAC-173-400 Section 040(5)	A Incorp	WHC-CM-7-5	2.0
				2.0
	WAC-173-400 Section 040(7)	A Incorp	WHC-CM-7-5	2.0
				2.0
	WAC-173-400 Section 040(8)	A Incorp	WHC-CM-7-5	2.0
				2.0
				2.0
20.4.3 Radiological Effluents	40CFR61 Part 92	A Incorp	WHC-CM-7-5	2.0
				2.0
				2.0
			WHC-EP-0438-1	Entire Document
	40CFR61 Part 93(a)	A Incorp	WHC-CM-7-5	2.0
				2.0
			WHC-EP-0438-1	Entire Document
			WHC-EP-0498	1.2
	40CFR61 Part 93(b)(1) and (2)	A Incorp	WHC-CM-7-5	2.0
				2.0
			WHC-EP-0438-1	Entire Document
	40CFR61 Part 93(b)(3)	A Incorp	WHC-CM-7-5	2.0
				2.0
			WHC-EP-0438-1	Entire Document

SRID Element	Location	Applicable Incorporated Implementing Manuals			
	40CFR61 Part 93(b)(4)	A	Incorp	WHC-CM-7-5	2.0
					2.0
					2.0
				WHC-EP-0438-1	Entire Document
	DOE5400.5 Chapter II, Section 1(b)	A	Incorp	WHC-CM-7-5	2.0
					2.0
	DOE5400.5 Chapter IV, Section 4.e	A	Incorp	WHC-CM-7-5	2.0
					8.0
					8.0
	WAC-246-247(940131) Section 040(3)	A	Incorp	WHC-CM-7-5	10.0
					2.0
					2.0
					3.0
					9.0
				WHC-EP-0438-1	Entire Document
	WAC-246-247(940131) Section 040(4)	A	Incorp	WHC-CM-7-5	10.0
					2.0
					2.0
					9.0
				WHC-EP-0438-1	Entire Document
	WAC-246-247(940131) Section 040(6)	A	Incorp	WHC-CM-7-5	2.0
					2.0
				WHC-EP-0438-1	Entire Document
0.5 Pollution Prevention	42USC13106 Section 6607	A	Incorp	WHC-CM-7-5	14.0
					5.0
					5.0
					5.0
					5.0
					5.0
				WHC-EP-0496	Entire Document

SRID Element	Location	Applicable Incorporated Implementing Manuals	
	Section 030 WAC Plans Part (1)	A Incorp WHC-CM-7-5	14.0
			5.0
	Section 030 WAC Plans Part (2)	A Incorp WHC-CM-7-5	14.0
			5.0
	Section 030 WAC Plans Part (3)	A Incorp WHC-CM-7-5	14.0
			14.0
	Section 030 WAC Plans, Paragraph 1	A Incorp WHC-CM-7-5	14.0
20.6 Recordkeeping, Reports and Notifications	WAC-173-303(931208) Section 355(1)	A Incorp WHC-CM-7-5	5.0
			7.0
20.6.1 Incident Investigation and Reporting	40CFR355 Part 30(c)	A Incorp WHC-CM-7-5	5.0
	WAC-173-303(940523) Section 145(1)	A Incorp WHC-CM-7-5	5.0
	WAC-173-303(940523) Section 145(2)	A Incorp WHC-CM-7-5	5.0
	WAC-173-303(940523) Section 145(3)	A Incorp WHC-CM-7-5	5.0
	WAC-173-340 Section 300(2)	A Incorp WHC-CM-7-5	5.0
			5.0
	WAC-246-247(940131) Section 080(4)	A Incorp WHC-CM-7-5	5.0
	WAC-246-247(940131) Section 080(5)	A Incorp WHC-CM-7-5	10.0
			2.0
			2.0
			5.0
			9.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	WAC-246-247(940131) Section 080(6)	A Incorp	WHC-CM-7-5	10.0
				2.0
				2.0
				5.0
				9.0
	WAC-246-247(940131) Section 080(7)	A Incorp	WHC-CM-7-5	2.0
				2.5.5.8 & 2.5.5.9
			WHC-EP-0438-1	Entire Document
	WAC-246-247(940131) Section 080(9)	A Incorp	WHC-CM-7-5	10.0
				2.0
				2.0
				9.0
			WHC-EP-0438-1	Entire Document
	WAC-246-247(940131) Section 080(11)	A Incorp	WHC-CM-7-5	10.0
				2.0
				4.0
				5.0
				5.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
				9.0
20.6.3 Underground Storage Tanks	WAC-173-303 Section 360(1)	A Incorp	DOE-RL-93-75	Entire Document
				Entire Document
			WHC-CM-4-43	NI
			WHC-CM-7-5	15.0
				5.0
				5.0
				5.0
	WAC-173-303 Section 360(2)	A Incorp	DOE-RL-93-75	Entire Document
			WHC-CM-4-43	NI
			WHC-CM-7-5	15.0
				5.0
				5.0
				5.0
				5.0
	WAC-173-303 Section 360(2)(a)	A Incorp	DOE-RL-93-75	Entire Document
			WHC-CM-4-43	2.2
			WHC-CM-7-5	15.0
				5.0
				5.0
				5.0
	WAC-173-303 Section 360(2)(b)	A Incorp	DOE-RL-93-75	Entire Document
			WHC-CM-7-5	15.0
				5.0
				5.0
				5.0
	WAC-173-303 Section 360(2)(c)	A Incorp	WHC-CM-4-43	2.1B
			WHC-CM-7-5	15.0
				5.0
				5.0
				5.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	WAC-173-303 Section 360(2)(d)	A Incorp	DOE-RL-93-75	Entire Document
			WHC-CM-1-5	7.1
			WHC-CM-4-43	2.2
				2.2
			WHC-CM-7-5	15.0
				5.0
				5.0
				5.0
	WAC-173-303 Section 360(2)(e)	A Incorp	DOE-RL-93-75	Entire Document
				Entire Document
			WHC-CM-7-5	15.0
				5.0
				5.0
				5.0
	WAC-173-303 Section 360(2)(f)	A Incorp	DOE-RL-94-02	Entire Document
			WHC-CM-7-5	15.0
				5.0
				5.0
				5.0
	WAC-173-303 Section 360(2)(g)	A Incorp	WHC-CM-4-43	2.1B
			WHC-CM-7-5	15.0
				5.0
				5.0
				5.0
	WAC-173-303 Section 360(2)(h)	A Incorp	WHC-CM-7-5	15.0
				5.0
				5.0
				5.0
	WAC-173-303 Section 360(2)(i)	A Incorp	WHC-CM-7-5	15.0
				5.0
				5.0
				5.0

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	WAC-173-303 Section 360(2)(j)	A Incorp	WHC-CM-7-5	15.0
				5.0
				5.0
				5.0
	WAC-173-303 Section 360(2)(k)	A Incorp	WHC-CM-1-5	7.1
			WHC-CM-7-5	15.0
				5.0
				5.0
				5.0
				5.0
				5.0
	WAC-173-340 Section 450(2)	A Incorp	WHC-CM-7-5	3.0
				3.0
				5.0
				5.0
				5.0
	WAC-173-340 Section 450(3)	A Incorp	WHC-CM-7-5	3.0
				3.0
				5.0
				5.0
				5.0
	WAC-173-340 Section 450(4)	A Incorp	WHC-CM-7-5	3.0
				5.0
				5.0
				5.0
	WAC-173-340 Section 450(7)	A Incorp	WHC-CM-7-5	3.0
				5.0
				5.0
				5.0
	WAC-173-340 Section 450(8)	A Incorp	WHC-CM-7-5	3.0
				5.0
				5.0
				5.0

SRID Element	Location	Applicable	Incorporated	Implementing Manuals	
	WAC-173-360 Section 200(1)	A Incorp	WHC-CM-7-5	3.0	
				3.0	
	WAC-173-360 Section 200(2)	A Incorp	WHC-CM-7-5	3.0	
				3.0	
	WAC-173-360 Section 200(3)	A Incorp	WHC-CM-7-5	3.0	
				3.0	
	WAC-173-360 Section 200(4)	A Incorp	WHC-CM-7-5	3.0	
				5.0	
	WAC-173-360 Section 200(5)	A Incorp	WHC-CM-7-5	3.0	
				5.0	
	WAC-173-360 Section 200(6)	A Incorp	WHC-CM-7-5	3.0	
				3.0	
				5.0	
	WAC-173-360 Section 210(1)	A Incorp	WHC-CM-7-5	3.0	
				3.0	
				5.0	
			WHC-IP-0839	Entire Document	
	WAC-173-360 Section 210(2)	A Incorp	WHC-CM-7-5	3.0	
				3.0	
				5.0	
	WAC-173-360 Section 210(3)	A Incorp	WHC-CM-7-5	3.0	
				3.0	
	WAC-173-360 Section 360	A Incorp	WHC-CM-7-5	3.0	
				3.0	
				5.0	
	WAC-173-360 Section 370(1)	A Dis	WHC-CM-7-5	3.0	
				3.7.2.2	Revi
			WHC-SP-0472	Entire Document	Revi
				Entire Document	
	WAC-173-360 Section 370(2)	A Dis	WHC-CM-7-5	3.0	
				3.7.2.2	Revi

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	WAC-173-360 Section 372	A Incorp	WHC-CM-7-5	3.0
				3.0
				3.0
	WAC-173-360 Section 375(1)	A Incorp	WHC-CM-7-5	3.0
				3.0
	WAC-173-360 Section 375(2)	A Incorp	WHC-CM-7-5	3.0
				3.0
	WAC-173-360 Section 375(3)	A Incorp	WHC-CM-7-5	3.0
				3.0
	WAC-173-360 Section 390(1)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 390(4)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
	WAC-173-360 Section 390(5)	A Incorp	WHC-CM-7-5	3.0
				3.0
			WHC-SP-0472	Entire Document
20.6.4 Records Management	40CFR61 Part 14(b)	A Incorp	WHC-CM-7-5	2.0
	40CFR61 Part 14(c)	A Incorp	WHC-CM-7-5	2.0
	40CFR61 Part 14(d)	A Incorp	WHC-CM-7-5	2.0
	40CFR61 Part 14(e)	A Incorp	WHC-CM-7-5	2.0
	40CFR61 Part 14(f)	A Incorp	WHC-CM-7-5	2.0
				2.0
				5.0
	40CFR61 Part 92	A Dis	WHC-CM-7-5	2.0
				2.0
				3.7.2.2
			WHC-EP-0438-1	Entire Document

SRID Element	Location	Applicable Incorporated Implementing Manuals		
	40CFR61 Part 94	A Incorp	WHC-CM-7-5	2.0
				5.0
	40CFR61 Part 95	A Incorp	WHC-CM-7-5	2.0
				2.0
				5.0
	WAC-173-303(940523) Section 380(1)	A Incorp	WHC-CM-7-5	5.0
				7.0
	WAC-173-303(940523) Section 380(2)(a)	A Incorp	WHC-CM-5-16	3.2
				4.2
			WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 380(2)(b)	A Incorp	WHC-CM-5-16	3.2
				4.2
			WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 380(2)(c)	A Incorp	WHC-CM-5-16	3.2
				4.2
			WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 380(2)(d)	A Incorp	WHC-CM-5-16	3.2
				4.2
			WHC-CM-7-5	7.0
	WAC-173-303(940523) Section 380(3)(b)	A Incorp	WHC-CM-7-5	5.0
	WAC-173-303(940523) Section 380(3)(c)	A Incorp	DOE-RL-89-16	ENTIRE DOCUMENT
			DOE/RL-90-39	CHAPTER 11
			WHC-CM-7-5	7.0
	WAC-173-360 Section 398	A Incorp	DOE-RL-89-16	ENTIRE DOCUMENT
			DOE/RL-90-39	CHAPTER 11
			WHC-CM-7-5	3.0
				7.0
	WAC-246-247(940131) Section 080(3)	A Incorp	WHC-CM-7-5	10.0
				2.0
				5.0
				9.0

SRID Element	Location	Applicable Incorporated Implementing Manuals	
	WAC-246-247(940131) Section 080(8)	A Incorp WHC-CM-7-5	10.0
			2.0
			2.0
			2.0
			5.0
			9.0