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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.
1	1	Cog.Eng. Jack Kalia	JKalia		R2-76						
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3		G.R. Franz			A2-34						
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18. JKalia Jack Kalia 12/27/95 Signature of EDT Originator Date	19. Authorized Representative for Receiving Organization Date	20. J.G. Propson J G Propson 12/27/95 Cognizant Manager Date	21. DOE APPROVAL (if required) Ctrl. No. [] Approved [] Approved w/comments [] Disapproved w/comments

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TANK FARMS SSC COMPLIANCE STUDY

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

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Key Words: Tank Farms, SSC Study, Authorization Basis.

Abstract: This task Plan describes the work performance necessary to verify that the various SSCs, and Administrative Controls are in place, maintained, and functioning as required to prevent or mitigate the identified potential accident scenarios in the Interim Safety Basis (ISB).

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TITLE: TANK FARMS SSC COMPLIANCE STUDY

UPDATED DEC. 27

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APPROVALS

COG. ENGINEER: Jack Kalia _____ DATE: 12/27/95

COG. MANAGER: J.G. Propson _____ DATE: 12/27/95

1.0 INTRODUCTION

The Tank Waste Remediation System (TWRS) Authorization Basis requires controls for prevention of potentially unsafe conditions. These controls include the identification and use of Structures, Systems, and Components (SSCs) that provide barriers, perform functions, or provide information necessary to maintain the facility within safe parameters via operator actions in response to measured parameters. These controls also include administrative requirements to assure safe operation. The Interim Safety Basis [(ISB) (WHC 1993)] has identified potential accidents associated with TWRS facilities and their consequences, various SSCs, design features, controls (engineered as well as administrative), and assumptions required to prevent the accidents. The ISB (Chapter 6) is the current TWRS Authorization Basis.

This task plan describes the work performance necessary to verify that the various SSCs, and administrative controls are in place, maintained, and functioning as required to prevent or mitigate the identified potential accident scenarios in the ISB (WHC 1993).

The recent letter from WHC President to all Facility Managers directed to provide assurance that our authorization bases and their management is verified to be fully effective. The letter emphasized that the key elements for effective authorization basis management must include field implementation, configuration management, continual compliance analysis and training.

2.0 SCOPE

The scope includes all SSCs and administrative controls identified in the ISB (Chapter 6) and completion of all tasks listed under "Task Descriptions". RL approved chapter 6 of the ISB and the Interim Operational Safety Requirements (IOSRs) to formally establish the Tank Farm Authorization Basis (RL 1993).

3.0 TASK DESCRIPTIONS

The following tasks are necessary to complete the work identified above:

1. Assess the Authorization Basis to establish its currency, the status of changes to the basis, and its overall approval status. (List the topics and their requirement sources from the ISB, along with ECNs for the Authorization Basis changes, if any).

2. Determine whether the Facility Authorization Basis is accurately reflected in each nuclear facility operation procedure.

3. Review and verify the process used to incorporate changes to the Authorization Basis.

4. Establish the status of field validation of procedures with respect to the Authorization Basis.

5. Assess the use of technical procedures which Implement the Authorization Basis.

6. Evaluate the state of Authorization Basis training.

Further details of the tasks can be found in the referenced Internal Memo from R.D. Raaz (WHC 1995d).

4.0 ORGANIZATION

The above noted tasks will be accomplished by the Operational Implementation Team (Org. 74D10). The other members of the team will include representatives from the following groups/contractors:

- WHC TWRS Operations
- WHC TWRS QA
- LATA
- SAIC
- MSI

5.0 SCHEDULE AND COST

The total duration of activities is expected to be approximately 5 calendar weeks from the start, after the approval of the task plan and funding. The task is mandated, by WHC Management, to be completed by January 31, 1995. Tank Farm Access Certification will be required for field verification of SSCs, preventive functions and controls.

Activity	Man-Wks
Tasks 1	5
Task 2	15
Task 3	10
Task 4	10
Task 5	10
Task 6	10
Executive Summary & Coordination of Report	5
Total	65

The total cost is $ 195K.

6.0 REFERENCES

WHC, 1993, Hanford Site Tank Farm Facilities Interim Safety Basis, WHC-SD-WM-ISB-001, Westinghouse Hanford Company, Richland, Washington.

WHC, 1994a, Aging Waste Facility Interim Operational Safety Requirements, WHC-SD-WM-OSR-004, Westinghouse Hanford Company, Richland, Washington.

WHC, 1994b, Single Shell Tank Interim Operational Safety Requirements, WHC-SD-WM-OSR-005, Westinghouse Hanford Company, Richland, Washington.

WHC, 1994c, Double Shell Tank Interim Operational Safety Requirements, WHC-SD-WM-OSR-016, Westinghouse Hanford Company, Richland, Washington.

WHC, 1995c, Tank Safety Screening Data Quality Objective, WHC-SD-WM-SP-004, Westinghouse Hanford Company, Richland, Washington.

RL, 1993, Letter, J.D. Wagoner to T.M. Anderson, President (WHC), Approval of Hanford Site Tank Farm Facilities Interim Safety Basis, ADT:TOB 93-TOB-209, dated November 17, 1993.

WHC, 1995d, Internal Memo, R.D. Raaz to Distribution, Guidance for Authorization Basis Assessment, 7800-95-041, dated December 14, 1995.