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RECONSTITUTION

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FY 95 ENGINEERING WORK PLAN
TO DEVELOP
GRADING CRITERIA
FOR
CONFIGURATION MANAGEMENT
AND
DESIGN RECONSTITUTION

by

J. D. Bigbee

November 8, 1994

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ENGINEERING TASK PLAN NO. 95-0016

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1.0 INTRODUCTION

Grading Criteria development is being performed as part of the overall effort to upgrade Configuration Management (CM) at TWRS. WHC policy is to implement a program that is compliant with DOE-STD-1073-93, *Guide for Operational Configuration Management Program*. This standard requires grading criteria to enable a graded approach to be applied to the implementation of Configuration Management and the adjunct program for reconstituting design information.

WHC-SD-WM-CM-008, *Configuration Management Plan for Waste Tank Farms and The 242-A Evaporator of Tank Waste Remediation System*, and WHC-SD-WM-CM-009, *Design Reconstitution Program Plan for Waste Tank Farms and 242-A Evaporator of Tank Waste Remediation System*, are the TWRS plans for meeting DOE-STD-1073-93 Configuration Management (CM) and Design Reconstitution (DR) requirements for Tank Farms and 242-A Evaporator. Both supporting documents 008 and 009 require grading criteria development for CM and DR implementation.

2.0 SCOPE

2.1 Objectives

The objective of this effort is to develop grading criteria that is integrated and common with both the CM and DR implementation programs.

2.2 Deliverables

The deliverable is to issue a supporting document that establishes the grading criteria that is to be used by both the CM and DR programs. This activity is Milestone Control # N3C310707M in the FY-95 Multi Year Work Plan (MYWP).

3.0 DESCRIPTION

3.1 Engineering Tasks

The engineering task is to develop the "Grading Criteria" that will establish the basis for a graded approach methodology to determine how much CM and/or DR is to be applied to facility Systems, Structures and Components (SSC). The "Grading Criteria" will take the following into account:

- Design requirements (nuclear safety, mission, environmental, fire protection, and security).
- Operational requirements (OSR/TSR).
- Mission requirements (active, static, and inactive).

4.0 ORGANIZATION

The Configuration Management Upgrades (CMU) group of Upgrades Engineering has the responsibility to write and issue the grading criteria supporting document. Mr. J. D. Bigbee of CMU will author the supporting document.

The following organizations as represented have some ownership or interest in the "Grading Criteria" and will be requested to review the grading criteria support document:

- DC Board - Quality Assurance
- CW Dunbar - Upgrades Engineering
- DB Engelman - For RE Raymond, Waste Tank Plant Engr.
- ML Grygiel - Systems Engineering Integration
- KL Morris - Tank Farm Upgrades Program
- JG Reder - Configuration Management System
- RR Stickney - Tank Stabilization & Engineering Support
- JH Wicks - TWRS Plant

Final Approval of the grading criteria supporting document will be by:

- DB Engelman - For RE Raymond, Waste Tank Plant Engr.
- CW Dunbar - Upgrades Engineering

5.0 SCHEDULE

The Schedule for issuing the grading criteria (GC) support document (SD) is as follows:

- Develop GC SD from 3 Oct. 1994 through 28 April 1995.
- Set up and hold a facilitated meeting by Feb. 1995.
- Write draft SD and obtain review by 28 July 1995.
- Resolve comments and issue GC SD by 29 Sept. 1995.

6.0 COST ESTIMATE

The approved budget for producing the GC SD is 0.5 FTE.

7.0 QUALITY ASSURANCE

The "Approval Designator" for this work is n/a.

8.0 REFERENCES

WHC-IP-1026, Appendix A, "Engineering Work Plans," *Engineering Practices Guidelines*.

The Department of Energy Standard DOE-STD-1073-93, *Guide for Operational Configuration Management Program, Including the Adjunct Programs of Design Reconstitution and Material Condition and Aging Management*.

WHC-SD-WM-CM-008, *Configuration Management Plan for Waste Tank Farms and The 242-A Evaporator of Tank Waste Remediation System*, and WHC-SD-WM-CM-009, *Design Reconstitution Program Plan for Waste Tank Farms and 242-A Evaporator of Tank Waste Remediation System*.

WHC-SD-WM-CM-009, *Design Reconstitution Program Plan for Waste Tank Farms and 242-A Evaporator of Tank Waste Remediation System*

WHC-SD-WM-CM-011, *Hanford Site Waste Tank Farm Facilities Design Reconstitution Program Plan*.