

RL-675 (03/99)

United States Government

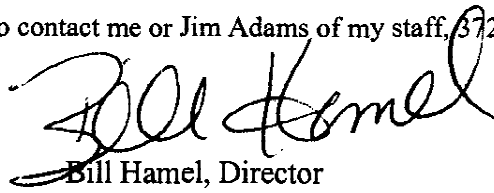
Department of Energy
Office of River Protection**memorandum**

DATE: JUL 27 2006

REPLY TO
ATTN OF: WTP:WFH 06-WTP-097SUBJECT: TRANSMITTAL OF WED SELF ASSESSMENT "DESIGN OVERSIGHT REPORT-
MANAGEMENT SELF ASSESSMENT OF BNI OVERSIGHT PROGRAM AND
REVIEW OF BNI EFFECTIVENESS FOR ENGINEERING ACTONS D-06-DESIGN-
026"TO: John R. Eschenberg, Project Manager
Waste Treatment and Immobilization Plant

The WTP Engineering Division of ORP has completed an evaluation of the design oversight progress for the BNI contractor to establish in compliance with the ORP manual M 220.1, Rev. 4 and the WED desk instruction DI 220.1, Rev. 1. In addition, this oversight reviewed all WED assessments performed under this program from April 2003 to present, to status issues documented by the WED Design Oversight program. The endpoint of the assessment was to correct all program deficiencies, update the CARS database of open ORP and BNI issues and create closure packages for all assessments. Please find the report D-06-DESIGN-026 attached with closure packages available in the WED library.

If there are any questions, please feel free to contact me or Jim Adams of my staff, 372-1709.



Bill Hamel, Director
WTP Engineering Division

Attachments

Draft 05/31/06

U.S. Department of Energy, Office of River Protection

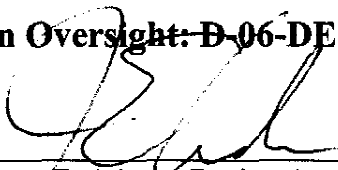
DOE ORP DESIGN OVERSIGHT REPORT

MANAGEMENT SELF-ASSESSMENT OF WED OVERSIGHT PROGRAM AND REVIEW OF BNI EFFECTIVENESS FOR ENGINEERING ACTIONS

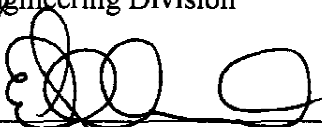
April 2006

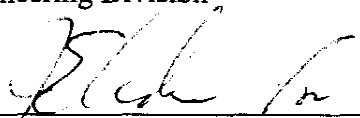
Design Oversight: D-06-DESIGN-026

Team Lead:

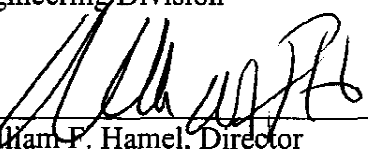
 4/14/06
 James E. Adams, Design Assessment Engineer
 Waste Treatment and Immobilization Plant Project
 Engineering Division

Team Members:

 6/14/06
 John E. Orchard, WED Safety Systems Oversight Engineer
 Waste Treatment and Immobilization Plant Project
 Engineering Division

 4/14/06
 Carol A. Babel, WED Safety Systems Oversight Engineer
 Waste Treatment and Immobilization Plant Project
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Approved:

 7/27/06
 William F. Hamel, Director
 Waste Treatment and Immobilization Plant Project
 Engineering Division

Draft 05/26/06

EXECUTIVE SUMMARY

The U.S. Department of Energy (DOE), Office of River Protection (ORP) Waste Treatment and Immobilization Plant (WTP) Project Waste Engineering Division (WED) staff conducted a management self-assessment of the WED oversight program to determine the effectiveness of the Contractor's response actions addressing oversight issues identified by WED over the last three years.

Specifically, the following were assessed:

1. Compliance of the WED Design Oversight Program as described in Desk Instruction (DI) 220.1 to the ORP Manual (M) (ORP M 220.1), which is based on DOE O 226.1, *DOE Oversight Policy*.
2. Identification of the issues documented in the correspondence to the Contractor.
3. Responsiveness by the Contractor to those issues transmitted by the WED Design Oversight Program and the present status of those issues.
4. Effectiveness of the tracking and closure of Contractor and internal issues needing corrective actions or further review by WED staff.

Conclusions:

The oversight team concluded:

1. The WED Design Oversight Program was in compliance with both the ORP M 220.1 and the DOE O 226.1 with the exceptions noted by Observation D-06-DESIGN-026-001.
2. The issues identified in the 19 reports listed in Attachment 1, for the most part, were identified and transmitted to the Contractor. However, in several cases, the transmittal letters did not require responses and, as a result, were not responded to or tracked by the Contractor. This is documented by Observation D-06-DESIGN-026-001.
3. All issues transmitted to the Contractor were received and responded to in a timely fashion with the exception of two. These are documented and tracked by Assessment Follow-up Item AFI D 06-DESIGN-026-A02.
4. The Contractor issues and their subsequent closures have taken place when properly identified in tracking systems; but as a general statement, the ORP implementation of tracking and closure via the ORP Corrective Action Reporting System (CARS) was poorly implemented. This is documented in Observation D-06-DESIGN-026-001. In some cases, progress was being made on an informal basis, but no records of closure were available.
5. All issues identified in items 1 through 4 were corrected during the course of the assessment with entries made and closed in the ORP CARS system. Corrective actions included a training session for all WED staff by the Division Director relating his expectations for future performance including procedure compliance.

The overall WED program is effectively providing oversight of the Contractor for design deliverables and the design process, documenting issues, and transmitting them to the Contractor for resolution. This assessment was instrumental in reorganizing this effort and

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providing specific corrective actions needed to close the loop on issues and refocus the process of design oversight.

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Appendix A - Oversight Plan

Attachment 1 - Design Oversight Open Items Status

Attachment 2 - Design Oversight Closure Package Matrix

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1.0 INTRODUCTION

A major component of the U. S. Department of Energy (DOE), Office of River Protection (ORP) mission is the design and construction of the Hanford Tank Waste Treatment and Immobilization Plant (WTP) in the 200 East Area of the Hanford Site. The design and construction contractor for the WTP is Bechtel National, Inc. (BNI). As part of its oversight responsibilities, ORP performs various assessments of BNI activities during the design and construction phase. One type of assessment is the design review of various systems and processes, called a design oversight, performed by the Waste Engineering Division (WED). The WED Design Oversight Program is defined in Desk Instruction (DI) 220.1, Revision 1, and is based on DOE Order (O) 226.1, *Implementation of Department of Energy Oversight Policy*, and ORP M 220.1, *ORP Integrated Assessment Program*, Revision 4.

As part of this design oversight, the WED staff performed a management self-assessment to verify the WED Design Oversight Program complied with DOE O 226.1 and ORP M 220.1. In addition, the WED staff reviewed the implementation of the WED oversight process of identification, transmittal, tracking, and closure of issues, both to the Contractor, and internal to ORP based on design oversight reports issued from April 2003 to present.

2.0 BACKGROUND

The WTP Project continues with design and construction in a reduced work mode to facilitate the revision of the seismic loads required by the new seismic ground motion criteria, the new estimated actual cost of construction, and various other ORP and Headquarter initiatives. These include contract revisions, Best and Brightest issue resolution, Contractor nuclear culture improvement initiatives, financial baseline modification, etc. The Contractor Quality Assurance (QA) organization in conjunction with the BNI Engineering Organization continued to work with WED toward a coordinated corrective action process with tracking and closure of all ORP WED issues.

3.0 OBJECTIVES, SCOPE AND APPROACH

3.1 Objectives

ORP conducted this design oversight as part of its responsibility for compliance to DOE O 226.1. The performance of the management self-assessment was performed to satisfy the requirements of ORP M 220.1, Section 6.2.5 "Management Assessment Conduct," which requires direct reports to the manager to assess their management processes and to identify and correct problems that hinder their organizations from achieving their objectives. The specific objectives of this oversight are listed in Appendix A and repeated below:

1. Determine what issues were identified and transmitted to the Contractor based on the oversight reports written for the duration of the WED Design Oversight Program.
2. Verify the Contractors received the transmitted issues of the Design Oversight Program and determine how these actions were logged and tracked to closure in the BNI system.

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3. Verify the WED issues, both for the Contractor and for ORP internally, were tracked and closed.

3.2 Scope

The scope of this assessment covered the period from April 2003 to present and includes design oversight assessment reports D-03-DESIGN-001 (April 21, 2003) to the last issued report D-06-DESIGN-022 (April 04, 2006). The design oversight performed a gap analysis program comparison between DI 220.1, Revision 1, and ORP M 220.1, Revision 4, for the purposes of the compliance review. The gap analysis assessment included the review of WED personnel training and qualification, generation and approval of oversight plans, and the review of issues by the review of the individual reports.

3.3 Approach

ORP conducted oversight within the guidelines of DI 220.1. ORP collected information from various BNI and DOE documents and conducted interviews with BNI design staff (see Section 6.0 for a full listing of reviewed documents and personnel contacted). The approved design oversight plan, "Design Product Oversight Plan Review of Contractor Design Control Process" is provided in Appendix A.

The design review team initiated the following steps to obtain the information required to meet the oversight objectives. The order of review and depth of each step was left to the reviewer's discretion.

1. The team reviewed DI 220.1, Revision 1, against ORP M 220.1, Revision 4, to ensure that the desk instruction provided the required training and qualification of personnel; definition of terms were consistent; responsibilities were assigned appropriately; the based procedure provided minimum required elements; and the attachments supported records for training and qualification, assessment plans, and assessment reports.
2. The team reviewed the design oversight reports issued since April 2003 to identify any issues in these reports and whether the transmittal letter requested responses by the Contractor to these issues.
3. The team interviewed ORP and Contractor personnel and reviewed documentation, which included the Corrective Action Reporting System (CARS) and the Recommendation and Issues Tracking System (RITS) for Contractor tracking and closure of issues, as well as transmitted response letters, to verify the Contractor received, responded adequately, and provided closure to issues in the WED Design Oversight Reports.
4. The team assembled closure packages for each assessment report and determined the status of all issues (both Contract and ORP internal), confirmed the status (open, closed, or working), and updated the tracking systems for BNI and ORP for that status. Closure items packages were put on file for the Division Director, with a closure package matrix (Attachment 2) shown, available documentation for the oversight closure status.

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4.0 RESULTS

The oversight results are broken into three areas:

1. Management Self Assessment of the WED Design Oversight Program;
2. Contractor Response to Transmitted Issues; and
3. ORP Tracking and Closure of WED Issues.

4.1 Management Self Assessment of the WED Design Oversight Program

This design oversight provided the management self-assessment required by ORP M 220.1, Section 6.2.5 "Management Assessment Conduct," and identified and corrected problems that hinder the WED organization from achieving their goals. Specifically, this oversight assessed the WED Design Oversight Program procedure DI 220.1 against OPR M 220.1, Revision 4 (which is based on DOE O 226.1), for compliance and effectiveness. The oversight provided status of the issues identified by WED design oversights, while making improvements to the oversight tracking process for ORP WED by the entering, tracking, and closing of design oversight issues into ORP CARS. Information identified in this design oversight report was coordinated with the BNI QA Point of Contact tracking system to provide initial configuration control for WED oversight issues. Three specific items were checked in this comparison and were:

1. Training and Qualifications required for performance of design oversight;
2. Content, concurrence, and other specific requirements of the oversight plan for conducting the review; and
3. Content, concurrence, and issue definition process for the report.

Results of Assessment

1. The design oversight team found DOE O 226.1 required the field office to "Maintain appropriate qualification standards for personnel with oversight responsibilities and clear, unambiguous line of authority and responsibility or oversight." This, in turn, is reflected in ORP M 220.1, Revision 4, Section 6.2.1, which states, "Division Directors responsible for the assessment ensure personnel performing assessments possess suitable qualifications commensurate with the nature and type of assessment to be conducted." However, DOE M 220.1 also states "The qualification process for an individual to perform an assessment or to be an assessment team leader should be formally defined for a given type of assessment by the Assistant Manager (AM) of the organization performing the assessment." DI 220.1 provides Section 6.2.1.2, "Selection and Qualification of Design Oversight Teams," with Attachment 9.1, "Design Oversight Qualification Record," which the Division Director is required to fill out and sign prior to completion of the assessment.

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2. DOE O 226.1 required "Field line management will establish documented program plans that describe their oversight activities and will develop an annual schedule of planned assessments and focus areas for operational awareness." ORP M 220.1 required the Annual Assessment Plan defining the assessments to be performed for the field office for that year include an attachment for the minimum required functional areas for major facilities. However, in Section 6.2.4 of ORP M 220.1, required the preparation of Individual Assessment Plans, which goes beyond the DOE O 226.1 requirement. The WED DI 220.1 complies with the ORP M 220.1 and requires the individual assessment plan.
3. DOE O 226.1 required "Field line management will establish documented program plans that describe their oversight activities" as well as "Assessment results, including findings, must be documented and provided to the contractor for timely resolution." ORP M 220.1 and DI 220.1 provide for the reporting of the results of the oversight with the transmittal of the results to the contractor. However, neither M 220.1 nor DI 220.1 explicitly state anyone is responsible for ensuring the report is transmitted to the contractor although it is implied via Attachment 9.5, "Assessment Report Format and Content."

Conclusion

The design oversight concluded the WED Design Oversight Program was in general compliance with the DOE O226.1 and ORP M 220.1 with exceptions listed in Observation D-06-DESIGN-026-001. These exceptions were entered as CARS item 10427 and closed prior to signature by Division Director, hence, providing compliance to program.

4.2 Completion of Assessments and Contractor Response to WED Transmitted Issues

The team reviewed copies of all correspondence associated with the ORP scheduling, planning, reporting, and transmittal of the list of WED assessments per Attachment 1. During the assessment, Attachment 1 was updated by the Contractor QA organization with the BNI correspondence numbers associated with responses. The team obtained and reviewed these responses and conducted interviews with the Contractor and the ORP authors of the reports to determine the acceptability of the responses, if they existed. In some cases, the transmittal letters did not request a response from the Contractor even though issues were included in the report that required Contractor action. In two cases, scheduled assessments dealing with BNI criticality safety and the use of DOE STD 3009, *Preparation Guide for U.S. Department of Energy Nonreactor Nuclear Facility Documented Safety Analyses*, versus 10 *Code of Federal Regulations (CFR) 830, "Nuclear Safety Management,"* for safe harbor methodology were not completed and were considered overdue. The individual responsible for these appeared to be assigned to DOE Headquarters, as well as to the Richland field office. This area had recently been transferred from WED to ORP Environmental, Safety and Health organization.

For the completed assessments, ORP transmittal numbers were identified, transmittal letters and reports were located, and issues were identified. The transmittal letters were reviewed to determine if issues identified in the reports were identified in the transmittal letters for action by either ORP or the Contractor. Most reports did report issues, but in one area (electrical/control systems) no issues were identified; hence, none transmitted.

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In the areas of technology, materials selection, facility capabilities, hydrogen generation/control, research and technology, black cell design, etc, a number of issues (over 100) were identified as open items and recommendations (although no findings were identified.) The transmittal letters were reviewed and, in most cases, the issues were identified with responses requested. In some cases, no request was made in the transmittal letter for a response even though issues were named. The oversight team, in conjunction with the Contractor QA and Engineering organizations, located all outstanding issues and updated tracking systems by entering all items into the tracking systems, if the issue was not formally closed by the author. In two cases, issues reports were not responded to by BNI in a timely fashion. This information was recorded by interview with the Contractor and responses were obtained and closure was reached. The assessment follow-up item D-06-AMWTP DESIGN-026-A02 was written to identify, resolve and close the issue.

Conclusions

In the majority of the cases, the WED assessments listed as scheduled were completed and transmitted. In two cases, assessments were not completed and the numbers were cancelled. This is considered an internal issue and tracked under Observation D-06-DESIGN-026-O01. The AFI D-06-AMWTP DESIGN-026-A02 was issued for tracking of BNI issues and was closed prior to issuance of report by obtaining the required responses to the WED issues.

4.3 ORP Tracking and Closure of WED Design Oversight Issues

The team reviewed the tracking systems for both the Contractors and ORP to determine the tracking of items identified in Section 4.2. In a series of meetings, ORP and BNI QA updated the tracking system (CARS) and the QA tracking database to be consistent and provide accurate status. In addition, at the direction of the WED Division Director, closure packages were assembled. The team determined the authors were individually following a majority of the issues but the tracking systems did not have an accurate picture of the number of issues outstanding nor the status of the ones in the system.

In addition, the assessment determined a number of WED authors were not satisfied with the responses provided and were having a difficult time with closures.

Conclusions:

The team concluded the tracking systems were not being effectively used by either BNI or ORP, but corrected this issue during the assessment. In addition, closures were being accomplished, but not in a traceable fashion. The team also corrected this issue during the assessment by getting closure letters from the authors or inputting items that were not closed into the tracking systems. However, the issue of getting satisfactory responses from BNI Engineering is considered an outstanding issue and will be tracked as part of the internal Observation D-06-DESIGN-026-O01 for management attention.

5.0 OPEN ITEMS AND RECOMMENDATIONS

Open Items:

A-06-AMWTP-DESIGN-026-O01

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Observation D-06-DESIGN-026-O01 determined several parts of the implementing procedure were not being carried out sufficiently to meet the intent of ORP M220.1. These included such issues as:

1. The training and qualification processes required by Attachment 9.1 of DI 220.1 were not completed for WED personnel leading and conducting assessments per Revision 1 of the desk instruction (DI 220.1);
2. The transmitted WED oversight reports did not always require response to issues with requested due dates and action statements;
3. A number of identified issues were not being tracked by either BNI or ORP via the normal tracking systems;
4. In two cases, assessments were not completed as scheduled; and
5. Closure of some assessment reports is not taking place in a timely fashion due to lack of satisfactory responses from BNI Engineering.

Corrective actions taken to resolve the above listing included completing the required training and qualification of the WED staff to Attachment 9.1 of DI 220.1, a staff training session to all WED staff detailing expectations of the design oversight program, and compilation of closure packages of completed assessments including actions taken to resolve issues.

A-06-AMWTP-DESIGN-026-A02

The Contractor failed to provide timely responses to the WED Design Oversight Reports D-04-Design-05 "Design for the Main Control Room," and D-04-Design-007 "Hydrogen Mitigation and Control." This item was tracked for closure by CARS item 10428.

6.0 REFERENCES AND PERSONNEL CONTACTED

6.1 References

19 WED assessment reports with transmittal letters

10 CFR 830, "Nuclear Safety Management

Desk Instruction DI 220.1, *Conduct of Design Oversight* Revision 1.

DOE O 226.1, *DOE Oversight Policy*.

DOE STD 3009, *Preparation Guide for U.S. Department of Energy Nonreactor Nuclear Facility Documented Safety Analyses*.

ORP M 220.1, *ORP Integrated Assessment Program*, Revision 4.

6.2 Personnel Contacted

D. Kammezind

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Appendix A - Oversight Plan

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U.S. Department of Energy, Office of River Protection

DESIGN PRODUCT OVERSIGHT PLAN

**REVIEW OF BNI ENGINEERING CORRECTIVE ACTION REPORTING
EFFECTIVENESS/TIMELINESS FOR ENGINEERING ACTIONS**

March 14, 2006

Design Oversight: D-06-DESIGN-026

Team Lead: James E. Adams

Team Member: John Orchard, ORP WED Engineer
Carol Babel, ORP WED Engineer

Submitted by:

Date _____
James E. Adams, Team Lead
WTP Engineering Division

Concurrence:

Date _____
William F. Hamel, Director
WTP Engineering Division

Date _____
John Eschenberg, Project Manager
Waste Treatment and Immobilization Plant Project

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1.0 BACKGROUND, PURPOSE AND OBJECTIVES

1.1 Background

The River Protection Program (RPP) Waste Treatment and Immobilization Plant (WTP) Project is under a temporary suspension of work at the High-Level Waste and Pretreatment Facilities to allow the design to progress in terms of the revised seismic design and other emerging technical areas. The Low-Activity Waste Facility and the Laboratory Facility continue with a reduced site manning.

The design process and other nuclear safety culture programs are being reviewed by the U.S. Department of Energy, Office of River Protection (ORP) and the Contractor with the goal of increasing the Contractor's effectiveness in light of recent ORP Environmental, Safety and Health reports that indicate a reduced nuclear safety culture (including procedure compliance, training processes, etc). The design oversight process completed over 20 oversight reviews during the last 3 years. This oversight provides a status and measure of the effectiveness of the WTP Engineering Division (WED) design oversight process for this period.

1.2 Purpose

This design process oversight will focus on the effectiveness of the Contractor's actions to oversight issues identified for corrective action over the last three years to determine the status and effectiveness of completed actions.

In addition to the specific need mentioned above, the design oversight will status the WED oversights for the existence of the program and make recommendations for the improvement of the oversight tracking system for ORP WED for the entering, tracking, and closure of design oversight issues identified in the design oversight program and coordinate this system within Bechtel National, Inc. (BNI) Engineering.

1.3 Objectives

The following are the specific objectives of this oversight:

1. Review the oversight reports written for the duration of the WED design oversight program to determine what issues were identified and which were transmitted to the Contractor.
2. Review the Contractors records to verify the Contractors receipt of the transmitted issues of the design oversight program and determine how these actions were logged into the BNI system and tracked to closure.
3. Review the WED program for tracking of corrective actions and verification of acceptance of Contractor corrective actions and acceptance of closure of these corrective actions.
4. Review the actions not transmitted to the Contractor for WED management closure or actions requested for report closure.

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2.0 PROCESS

This oversight shall be conducted within the guidelines of ORP M 220.1 and the WED Desk Instruction (DI) 220.1, "Conduct of Design Oversight," Revision 1, as revised January 13, 2006.

2.1 Scope

This oversight will include review of all issues identified in design oversight reports approved since the April 2003, which is the beginning of the existing design oversight program. This includes observations, recommendations, open items, findings, assessment follow-up items, and any other issue transmitted in a transmittal letter for action.

2.2 Preparation

1. Identify the Contractor Point of Contact (POC) for the review.
2. Establish the list of design oversights performed in the history of the program, obtain copies, and obtain transmittal letter for review.
3. Identify and review the list of issues transmitted to the Contractor and provide this list to the Contractor for gathering of information for the oversight.
4. Identify the issued reports that were not transmitted to the Contractor and provide the list to the WED Division Director for determination of follow-up actions requested.
5. Interview report authors for their knowledge of corrective actions taken for use in lines of inquiry during Contractor interviews.
6. Request Contractor responses to transmitted issues and closed in the Recommendation and Issues Tracking System (RITS) or Corrective Action Reporting System (CARS) for items closed.
7. Request Contractor status for items not closed with the tracking number for the issue, and schedule for closure.

2.3 Contractor Review disposition to date

The oversight will determine the disposition to date of issues transmitted to the Contractor for action. In addition, the oversight will determine what ORP issues were documented in design oversights and provide this listing to the WED Division Director for action by the authors.

De-brief ORP and Contractor management periodically as required. Prepare a draft report that summarizes the activities, the results, conclusions, and recommendations of the review. Issue the Draft Design Oversight Report for review and comment of ORP management and cognizant Contractor personnel. The final report will resolve comments received on the draft report.

3.0 SCHEDULE OF ACTIVITIES

Table 1 summarizes the schedule for completion of this oversight.

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Table 1 – Schedule

Activity Description	Responsibility	Complete By
Develop Design Oversight Plan	Adams	03/14/06
Identify Team members	Adams/Hamel	03/17/06
Obtain approved plan and advise Contractor of planned oversight, provide Design Process Oversight Plan to identify needed Contractor support, and obtain POC	Eschenberg/Hamel	03/21/06
Obtain Contractor documentation defined in Table 1 to support review and provide to team members	Adams	03/27/06
Qualify Team members - Attachment 9.1	Adams/Hamel	03/31/06
Kick-off meeting with Contractor to outline objectives, scope, schedule, and establish POC	Team	04/03/06
Review documents from Contractor and provide oversight strategy, lines of inquiry, and interview requests to team lead	Team	04/04/06
Review Contractor documents, participate in relevant Contractor internal meetings and meet with Contractor as required	Team	04/03-04/13/06
Prepare Draft Design Oversight Report Notes	Team	04/14/06 COB
ORP and Contractor Exit Briefing	Team and Contractor	04/14/06
Draft Report	Team	04/28/06
Resolve comments and place Final Report into concurrence including factual accuracy review with Contractor	Adams	05/07/06
Approve Final Report	All on Concurrence	05/14/06

4.0 DOCUMENTATION

The final report of this task shall contain the sections and content as summarized in ORP DI 220.1, "Conduct of Design Oversight," Revision 2 draft, as revised March 2006.

The issues identified in this oversight shall be listed in the final report. Each issue shall be assigned a type of issue and an item number for tracking to resolution through CARS. The issues shall also be tracked to resolution by Contractor through a Correspondence Control Number that will be assigned to the transmittal of the report from ORP to Contractor.

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5.0 CLOSURE

The Team Lead with concurrence of the Director shall confirm that the items from this oversight are adequately resolved (Table 2).

Table 2 – Initial Information Requirements

1.	Listing of all transmitted WED issues required for resolution since April 2003
2.	Response letters to ORP WED indicating actions to be taken for transmitted issues
3.	Status tracking of issued reports issues for WED oversights since April 2003
4.	Copies of all CARS/RITS items tracking/closing WED issued problems

7/18/2006

Design Oversight Open Items Status

Legend

and cases that item is closed

DOE/BNI Doc. Ctl #	Report Number	Subject of Oversight	DOE Lead	Status/Comments	Action Date
03-WEC-018 CCN 106544	D-05-DESIGN-001	BNI Material Selection Process	W. Harmel	RITS items 03-010 thru 014. DOE needs to assemble their package	4/11/2003
05-WED-036	D-05-DESIGN-002	LAW Meltier Support System Capabilities	W. Harmel	No BNI Action Never transmitted to BNI.	8/12/2003
not issued					
03-WEC-056	D-03-DESIGN-003	D-03-DESIGN-003 was not used LAW Glass Waste Loadings	W. Harmel	No BNI Action Never transmitted to BNI	1/10/2003
05-WEC-050	D-05-DESIGN-005	Evaluation of Tank Waste Wash and Leach Factors	R. Gilbert	Relisted CCN 96530	1/10/03
04-WEC-005	D-03-DESIGN-006	Black Cell Design Oversight			2/11/2004
04-WED-052 CCN 96810	D-04-DESIGN-004	D-04-DESIGN-001 thru D-04-DESIGN-003 were not used Review of BNI Design For Pretreatment Facility Evaporators	Was T. Shrader, to be reassigned	Response CCN 102431. Printed response and provided to Jim 04/05/05 D-04-DESIGN-004. Shrader lead. Closed by DOE approval of implementing documents per emails from Bob Yoke to John Orchard on 2/14/05 and 04/12/06, indicating DRP receipt and acceptance of actions.	09/09/04
04-WED-056 CCN 103854	D-04-DESIGN-005	DRP Design Oversight Report - Review Of Contractor Process For Design Of The Main Control Room	J. Orchard	2 recommendations for BNI to address. Hard copy info for Rec. 1 (Human Factors Program Plan) provided to John Orchard 05/10/06 D-04-DESIGN-005. Orchard lead. no open items. 2 recommendations. 1 is closed by revising the HF Plan, the second, to describe the completed control room strategy, is open as design is still in progress. RPT-J-04-0201, rev. D, white paper. Programmable Protection System - Human/Machine Interfaces (45 pages, not printed)	1/03/04
05-WED-042 not issued	D-04-DESIGN-006	Number was assigned but not used		Number was assigned but not used	
04-WED-063 CCN 105929	D-04-DESIGN-007	Waste Treatment Plant - Hydrogen Mitigation and Control Systems Tentatively accepted by DOE (Don Alexander to doc.)	D. Alexander	3 recommendations for BNI to address. BNI response CCN 108387. RITS-04-1080 CCN 105929 and 108387 to DOE D-04-DESIGN-007. Alexander lead. 4 open items. 3 recommendations. 3 conclusions. and 1 suggestion. All closed per e-mail from Don Alexander to Jim Adams dated 5-16-06 except Recommendation 3 to confirm hydrogen generation rate during hot commissioning, which will be performed at the appropriate time. Provided hard copy to John Orchard on 05/05/06 and again on 05/10/06	1/22/2004
04-WED-066 CCN 109629	D-04-DESIGN-008	HLW, Vitrification Plant	D. Alexander	No BNI Action	1/5/2005
05-WED-001 CCN 111151	D-04-DESIGN-009	Transmittal Of J.S. Department Of Energy, Office Of River Protection (ORP) Design Oversight Report On The Integrated Control Network (ICN) Design Status. D-04-Design-009	M. Ramsay	No issues identified. No BNI Action	7/14/2005
05-WED-022 CCN 122956	D-05-DESIGN-010	Design Product Oversight Plan - Review of Contractor Process for Preparation of System Descriptions	J. Orchard	Jim thinks BNI e-mailed information to address this issue - He will check D-05-DESIGN-010. Orchard lead. BNI responses to all 5 (BNI) recommendations submitted by e-mail from Dawn Kammerznd to Jim Adams on 04/03/06, which are currently being evaluated	6/13/2005
05-WED-016 CCN 111357	D-05-DESIGN-011	ORP Design Oversight Report - Waste Treatment Plant Instrument Procurement and Installation	M. Ramsay	No BNI Action	9/30/2005
05-WED-020 CCN 120588	D-05-DESIGN-012	ORP Design Oversight Report - Waste Treatment Plant Programmable Protection System	M. Ramsay	No BNI Action	5/13/2005

Design Oversight Open Items Status

7/18/2006

Legend
 Indicates that item is closed.

05-WED-003 CCN 129777	D-05-DESIGN-013	Design Product Oversight Plan - WTP Oxidative Leaching	R. Gilbert	Response CCN 106553 RITS-05-1045 & RITS-06-437 - E-mailed closed RITS to J.A., printed CCN. DOE action to review Response for adequacy.	10/07/05
05-WED-025 CCN 122826	D-05-DESIGN-014	Design Oversight Assessment Report On: The Important To Safety (ITS) Electrical Design	M. Ramsay	No BNI Action	6/10/2005
05-WED-040 CCN 134433	D-05-DESIGN-015	Review of Contractor Process for Non-conformances Reporting (NCR)	R. Griffith	RITS items 05-050 addresses 13 open items. DOE is reviewing open items. D-05-DESIGN-015: Griffith lead. All 13 action items are being tracked in RITS and CARS. Responses were submitted to ORP by BNI letter: CCN: 106655,03/14/06, which is being evaluated and on hold during PSAR review.	12/17/2005
05-WED-041 not issued	D-05-DESIGN-017	Criticality Program Assessment	J. Adams	Jim is expecting a completed Management Assessment. RITS-06-276 was provided to DCE 06/06/06. Also provided PL-ENG-05-0005. Per the schedule identified in PL-ENG-05-0005, the SED, Conformance and RCM QALIS reviews have been completed. Both reports have been returned to the originator for comment resolution (as of 06/13/06). One report has been issued. Still waiting on the other one (as of 06/27/06). Report has been picked up and reviewed by Jim. CCN -42421 documents his acceptance and closure.	
06-WED-010 CCN 136938	D-05-DESIGN-018	Review of BNI Design of the Treatment of Radioactive Liquid Waste	R. Nelson	Number was assigned but not used	02/10/06
06-WTP-055 CCN 139428, re-issued under 139428	D-05-DESIGN-019	BOF Turnover Testing Report issued, look for BNI response	T. Shrader	No BNI or ORP Action	
05-WED-052 CCN 134656	D-05-DESIGN-020	Configuration Management	M. Ryan	Report issued, one Finding. Response CCN 125305. There is also a previous, related letter sent by DOE, CCN 135256. BNI response to that letter is CCN 136302	01/17/06
06-WED-009 CCN 135567	D-05-DESIGN-021	WTP Operations Research, Tank Utilization, and Steady State Flowsheet Assessments	J. Adams	BNI action. Three minor issues. Jim will check to see if BNI has sent anything on this one. Jim Adams met with Hummer and Busch to revise CMPF. Jim A. to provide status RITS-05-085 RITS closed. CM Plan revised to incorp. DOE comments. Revised Plan provided to Chad 06-21-06. RITS-05-086 To Chad 05-22-06 RITS-05-087 This RITS calls for an RCA. RCA not due to be completed until 07-06-06. Completed RCA provided to Jim. E-mail from Jim says A03 is closed. E-mail sent to PDC for assignment of a CCN	02/02/06
06-WED-016 not issued	D-06-DESIGN-022	Design Control Process	R. Gilbert	Response CCN 106654 provided to 04/05/06 Jim for review. Will prepare a supplemental response. RITS-05-339. Supplemental response CCN 106656. RITS-06-339 closed and sent to Carol Babal 06-28-06.	In concurrence
06-WED-017 not issued	D-06-DESIGN-023	HPAV Design Oversight	J. Adams	CAR-06-056/RITS-06-163 thru 167 mailed for J.A. review. 2 Finding. Response to DOE 05/08/06. CCN 136409. Condition of Acceptance response for A02 will be sent to DOE under CCN 140548. In signature cycle 06-29-06. CCN 140548 sent via e-mail to Jim. on 07/13/06.	03/05/06
06-WED-014 not issued	D-06-DESIGN-024	Review of Training Simulator Process Model Software	R. Griffith	Related CCNs 135259 and 136631. Assessment rescheduled for June, 2006 Jim will check for DOE issuance	
06-WED-025 not issued	D-06-DESIGN-025	Review of Contractor Process for HLW Confinement: Ventilation Systems	M. Ramsay	Assessment. On-going	
06-WED-026 not issued	D-06-DESIGN-026	CARS Effectiveness/Timeliness for Engineering Actions Assessment	J. Orchard	Assessment complete, report in DOE review cycle	
	D-06-DESIGN-027	Review of Radiochemical Analytical Lab Pneumatic Autosampling system design	J. Adams	Assessment complete, report in DOE review cycle	
			M. Ryan		

Year	2003						2004					
	001	002	004	005	006	006	004	005	006	007	008	009
Design Oversight Number	W. Hamel	W. Hamel	W. Hamel	R. Gilbert	T. Shrader	T. Shrader	T. Shrader	J. Orchard	R. Nelson	D. Alexander	D. Alexander	M. Ramsey
Team Lead					Black Cells	PTF Evap	Main CR	Cancelled		H. Mitigation		
1. Plan	Y	Y	N	Y	Y	Y	Y				N	N
2. Notification Letter	N	N	N	N						N	N	N
3. Report	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
4. Transmittal Letter	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
5. BNI Response	Y	Y	NA	N	Y	Y				Y	N	N
6. ORP Acceptance	Y	Y	NA	N	Y	Y				N	N	-
7. CARS printout	Y		Y	N			Y			Y	N	-
8. RITS printout	N	NA	NA	N						N	N	-
9. Interim Closure Letter	Y*	N	N	N	Y	Y				Y*	N	-
10. Final Closure Letter	Y*	Y	Y	Y	Y	Y				N	N	-
11. BNI Notification of Closure	N	NA	N	N						N	N	-
12. References	N	Y	Y	Y						N	N	-

Year	2005											
	010	011	012	013	014	015	016	017	018	019	020	021
Design Oversight Number	J. Orchard	M. Ramsay	M. Ramsay	R. Gilbert	M. Ramsay	R. Griffith	J. Adams	R. Nelson	C. Babel	M. Ryan	J. Adams	R. Gilbert
Team Lead								Cancelled				
1. Plan	Y	N	N	Y	N		Y		Y	Y	Y	Y
2. Notification Letter	N	N	N	N	N		N		N	Y	N	N
3. Report	Y	Y	Y	Y	Y		Y		Y	Y	Y	Y
4. Transmittal Letter	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y
5. BNI Response	Y	N	N	Y	N	Y	N		N	Y	N	Y
6. ORP Acceptance	N	-	-	-	-	N	N		NA	PENDING	N	
7. CARS printout	Y	-	-	Y	-	Y	Y		Y	Y	N	Y
8. RITS printout	N	-	-	Y	-	N	N		NA	Y	N	Y
9. Interim Closure Letter	N	-	-	-	-	N	N		NA	N	N	
10. Final Closure Letter	N	-	-	-	-	N	N		NA	N	N	
11. BNI Notification of Closure	N	-	-	-	-	N	N		NA	N	N	
12. References	N	-	-	Y	-	N	N/A		Y	Y	N/A	Y

Year	2006											
	022	023	024	025	026	027	028	029	030	031	032	033
Design Oversight Number	J. Adams	R. Griffith	M. Ramsay	J. Orchard	J. Adams							
Team Lead												
1. Plan	Y		Y		Y							
2. Notification Letter	N		N		N							
3. Report	Y		Y		Y							
4. Transmittal Letter	Y		N*		Y							
5. BNI Response	Y		N		Y							
6. ORP Acceptance	Y		N		Y							
7. CARS printout	Y		N		Y							
8. RITS printout	Y		N		Y							
9. Interim Closure Letter	N		N		N							
10. Final Closure Letter	WIP		N		N							
11. BNI Notification of Closure	WIP		N		N							
12. References	WIP		N		N/A							

*Memo to file