Tank Waste Remediation System Fiscal Year 1996 Multi-Year Program Plan W.B.S. 1.1

Date Published
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Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

**Westinghouse
Hanford Company**

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Management and Operations Contractor for the
U.S. Department of Energy under Contract DE-AC06-87RL10930

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WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

WHC-SP-1101
REV. 1
PAGE NO. 1

1.1.1.1 Management Systems

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.1.01.02.	SYSTEMS ENGINEERING CAPABILITY ASSESSMENT	DOE-RL T11-96-005		31MAY96
1.1.1.1.01.03.	FUNCTIONAL BASELINE RISK WATCH LIST & REPORT	DOE-RL T11-96-008		16OCT95
1.1.1.1.01.03.	REVISED TECHNICAL BASELINE RISK WATCH LIST	DOE-RL T11-96-009		01MAY96
1.1.1.1.01.03.	FINAL TECHNICAL BASELINE RISK WATCH LIST REPORT	DOE-RL T11-96-010		03SEP96
1.1.1.1.01.03.	ISSUE TWRS INTERFACE CONTROL DOC (ICD'S) FOR FRB	DOE-RL T11-96-011		16OCT95
1.1.1.1.01.03.	ISSUE APPROVED ICD's FOR THE TECH REQ BSLN(TRBL)	DOE-RL T11-96-013		16SEP96
1.1.1.1.01.01.	ISSUE UPDATED BASELINE SYSTEM DESCRIPTION	DOE-RL T11-96-014		16OCT95
1.1.1.1.01.01.	ISSUE REVISED DRAFT F&R DOCUMENT	DOE-RL T11-96-016		16OCT95
1.1.1.1.01.01.	ISSUE TECH REQ SPECS FOR TECH REQ REVIEW (TRR)	DOE-RL T11-96-017		01MAY96
1.1.1.1.01.01.	ISSUE UPDATED BASELINE SYSTEM DESCRIPTION	DOE-RL T11-96-020		16SEP96
1.1.1.1.01.01.	SUBMIT 90-DAY SRR ACTION PLAN CLOSEOUT REPORT	DOE-RL T11-96-022		18DEC95
1.1.1.1.01.03.	ISSUE SIGNED ICDs FOR ALTERN ACQUISITION STRATEG	DOE-RL T11-96-032		15MAR96
1.1.1.1.01.04.	DRAFT TWRS EIS	DOE-RL T11-96-033		30NOV95
1.1.1.1.01.04.	FINAL TWRS EIS	DOE-RL T11-96-034		28JUN96

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1.1.1.1 Management Systems

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.1.01.04.	RECORD OF DECISION	DOE-HQ T11-96-035		30AUG96
1.1.1.1.01.01.	CONDUCT V&V APPROACH BRIEFING	DOE-RL T11-96-044		15APR96
1.1.1.1.01.01.	ISSUE FY96 V&V COMPLIANCE MATRIX	DOE-RL T11-96-045		03JUN96
1.1.1.1.01.01.	ISSUE V&V PROGRAM OUTLINE	DOE-RL T11-96-046		30AUG96
1.1.1.1.01.08.	DELIVER INTEGRATED ASSESSMENT SCHEDULE	DOE-RL T11-96-047		15NOV95
1.1.1.1.01.09.	Issue ITP approved by TWRS Program Offices	DOE-RL T11-97-029		31MAR97
1.1.1.1.01.09.	Issue ITP approved by TWRS Program Offices	DOE-RL T11-98-030		31MAR98
1.1.1.1.02.01.	ISSUE ANNUAL UPDATE OF MYPP TO DOE-RL	DOE-RL T11-98-032		31AUG98
1.1.1.1.02.01.	ISSUE ANNUAL UPDATE OF FIVE YEAR PLAN	DOE-HQ T11-98-033		02JUN98
1.1.1.1.01.01.	SUBMIT TWRS FY96 MYWP & FYWP TO DOE	DOE-RL T1A-95-103		31AUG95
1.1.1.1.01.02.	ISSUE REVISED TWRS SEMP	KOE-FO T1A-95-123		05FEB96
1.1.1.1.01.02.	REVISED IMPL PROCEDURES (DNFSB 3.7.F)	DOE-FO T1A-95-124		15MAY96
1.1.1.1.02.01.	ISSUE ANNUAL UPDATE OF MYPP TO DOE-RL	DOE-RL T1A-96-100		29AUG96
1.1.1.1.02.01.	ISSUE ANNUAL UPDATE OF FIVE YEAR PLAN	DOE-HQ T1A-96-101		31MAY96

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WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

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1.1.1.1 Management Systems

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.1.01.09.	Issue ITP approved by TWRS Program Offices	DOE-RL T1A-96-103		01APR96
1.1.1.1.01.06.	DEV PLANS FOR MAPPING TWRS WASTE XFER LINES	DOE-RL T1A-96-106		30SEP96
1.1.1.1.02.01.	ISSUE ANNUAL UPDATE OF MYPP TO DOE-RL	DOE-RL T1A-97-100		29AUG97
1.1.1.1.02.01.	ISSUE ANNUAL UPDATE OF FIVE YEAR PLAN	DOE-HQ T1A-97-101		02JUN97
1.1.1.1.01.01.	ISSUE TECH REQUIREMENTS SPECS (TRS) FOR DOE APPR	DOE-RL TDA-94-116		16SEP96

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Tank Waste Remediation System
Milestone Description Sheet**

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REV. 1

Milestone Control No T11-96-005

Revision/CIN: 0

WBS Number 1.01.01.01.01.02

Due Date: 5/31/96

ADS No: 1200

Title: SYSTEMS ENGINEERING CAPABILITY
ASSESSMENT

Schedule ID: SI960401A

Scheduler: J. HEROD

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Complete a capability assessment to determine how well systems engineering is being implemented in the TWRS Program and how well systems engineering is directing the programs.

Description of what Constitutes Completion of the Commitment:

A report documenting the results of the assessment.

Acceptance Criteria:

The capability assessment will be based on the NCOSE capability model.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System**

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Milestone Description Sheet

**WHC-SP-1101
REV. 1**

Milestone Control No T11-96-008

Revision/CIN: 0

WBS Number 1.01.01.01.01.03

Due Date: 10/17/95

ADS No: 1200

Title: FUNCTIONAL BASELINE RISK WATCH
LIST AND REPORT

Schedule ID: SM960102A

Scheduler: J. HEROD

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

A risk watch list will be prepared defining the critical programmatic risks (uncertainties in cost, schedule, and technical performance) for the functional baseline defined in the revised F&R. The risk watch list identifies risks, describes their likelihood and consequences, and identified management actions being implemented to manage the risks. A report will accompany this risk watch list describing the information on the risk watch list, its sources, and implications for the TWRS program. The report will be submitted as an accompanying document to the F&R. This milestone will complete task MGT-2-2 in the SRR Action Plan.

Description of what Constitutes Completion of the Commitment:

Report (with risk watch list).

Acceptance Criteria:

Review as part of functional baseline and supporting documents. Approval of the functional baseline.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T11-96-009

Revision/CIN: 0

WBS Number 1.01.01.01.03

Due Date: 5/1/96

ADS No: 1200

Title: REVISED TECHNICAL BASELINE RISK
WATCH LIST

Schedule ID: SM960102B

Scheduler: J. HEROD

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

The technical baseline risk watch list will be revised based on comments received during and internal WHC review and issued for the Technical Requirements Review (TRR). This mission partially completes task MGT-2-3 in the SRR Action Plan.

Description of what Constitutes Completion of the Commitment:
Report.

Acceptance Criteria:

The TWRS Technical Requirements Specifications will contain the technical requirements baseline. It will establish the top level requirements that projects must satisfy during development of the Tank Waste Remediation System. Internal WHC review.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T11-96-010

Revision/CIN: 0

WBS Number 1.01.01.01.01.03

Due Date: 9/3/96

ADS No: 1200

Title: FINAL TECHNICAL BASELINE RISK
WATCH LIST REPORT

Schedule ID: SM960102C

Scheduler: J. HEROD

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

A report on risk management for the technical baseline incorporating the risk watch list will be issued to accompany the TRS. This report will revise the draft report based on TRR comments. This milestone partially completes task MGT-2-3 in the SRR Action Plan.

Description of what Constitutes Completion of the Commitment:

Report

Acceptance Criteria:

The TWRS Technical Requirements Specifications will contain the Technical Requirements Baseline. It will establish the top level requirements that projects must satisfy during development of the Tank Waste Remediation System. Review and acceptance in technical requirements review.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1**

Milestone Control No T11-96-011
WBS Number 1.01.01.01.01.03

Revision/CIN: 0
Due Date: 10/16/95
ADS No: 1200

Title: ISSUE TWRS INTERFACE CONTROL
DOCUMENTS FOR THE FUNCTIONAL
REQUIREMENTS BASELINE, THAT
ADDRESS THE ALTERNATIVE
ACQUISITION STRATEGY

Schedule ID: SM960103A

Scheduler: J. HEROD

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
WHC
DOCUMENT

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Submit draft interface control documents for the functional requirements baseline. These documents must agree w/the Alternate Acquisition Strategy. Draft TWRS interface control documents are an element of the Functional Requirements Baseline (FRBL) (along with the TWRS function and requirements document). The FRBL establishes top-level requirements that must be satisfied during development of the TWRS. These documents must address the projects called out in the Alternate Acquisition Strategy.

Description of what Constitutes Completion of the Commitment:

TWRS Interface Control Documents on the AAS.

Acceptance Criteria:

The ICDs will be reviewed by experienced TWRS and interface element staff to assure that they are complete and that the interface requirements are traceable to approved original document.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T11-96-013
WBS Number 1.01.01.01.01.03

Revision/CIN: 0
Due Date: 9/16/96
ADS No: 1200
Schedule ID: SM960103C

Title: ISSUE WHC-APPROVED INTERFACE
CONTROL DOCUMENT FOR THE
TECHNICAL REQUIREMENTS
BASELINE

Scheduler: J. HEROD

Milestone Level:	Deliverables	Addressed To:
☐ TPA	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☐ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☒ DOE-RL	☒ Other (Specify)	
☐ Contractor	APPROVED ICD's	

Description of this Commitment:

Submit WHC-approved Interface Control Document to DOE for approval. Approved TWRS Interface Control Documents are an element of the Technical Requirements Baseline (TRBL). The TRBL will establish the top-level requirements that projects must satisfy during development of the Tank Waste Remediation System.

Description of what Constitutes Completion of the Commitment:

Approved Interface Control Documents.

Acceptance Criteria:

The ICDs will be reviewed by a team of experienced staff to assure that comments developed during the TRR are properly incorporated/ dispositioned.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1

Milestone Control No T11-96-014

Revision/CIN: 0

WBS Number 1.01.01.01.01

Due Date: 10/16/95

ADS No: 1200

Title: ISSUE UPDATED BASELINE SYSTEM
DESCRIPTION (M0-10)

Schedule ID: TB960101A

Scheduler: JUDY HEROD

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
WHC Document

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

This milestone represents an updated of the TWRS Baseline System Description. It is timed to be concurrent with the submittal of the Functions and Requirements Document.

Description of what Constitutes Completion of the Commitment:

Completed document.

Acceptance Criteria:

The Baseline System Description will be reviewed by a team of experienced TWRS personnel to assure that it accurately represents the initial state of the TWRS program and that the architecture concepts reflect the choices and/or enabling assumptions of the Functions and Requirements document.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T11-96-016
WBS Number 1.01.01.01.01

Revision/CIN: 0
Due Date: 10/16/95
ADS No: 1200

Title: ISSUE REVISED DRAFT F&R
DOCUMENT (M0-12)

Schedule ID: TB960101C

Scheduler: J. HEROD

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

This milestone represents the completion of the revised F&R to DOE. Modifications to this submitted version will be made and entered into the RDD-100 database.

Description of what Constitutes Completion of the Commitment:

Completed input into RDD-100.

Acceptance Criteria:

The F&R Document will be reviewed by a broad cross-section of experienced TWRS personnel to assure that it contains a complete set of executable functions, down to level 4, that will accomplish the TWRS Mission and that the functions are properly constrained by both derived and imposed requirements. Particular emphasis will be placed on the identification and inclusion of quantitative requirements as called for by the SRR Action Plan.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No T11-96-017

Revision/CIN: 0

WBS Number 1.01.01.01.01

Due Date: 5/1/96

ADS No: 1200

Title: Issue Technical Requirements Specification
(TRS) for Technical Requirements Review
(TRR)

Schedule ID: TB960101C

Scheduler: J. Herod

Milestone Level:

Deliverables

Addressed To:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☐ Letter

☒ DOE-RL

☐ DOE-FO

☐ Drawing

☐ Other (Specify)

☒ DOE-RL

☒ Other (Specify)

☐ Contractor

Technical
Requirements

Description of this Commitment:

Submit Manage Tank Waste (MTW) (4.2.1) Technical Requirements Specifications for Technical Requirements Review (TRR). The MTW Technical Requirements Specifications will contain the Technical Requirements Baseline. It will establish the top-level requirements that projects must satisfy during development of the MTW architecture for function within function 4.2.1 (MTW).

Description of what Constitutes Completion of the Commitment:

Technical Requirements Specifications for Manage Tank Waste (4.2.1).

Acceptance Criteria:

The TRS will be reviewed by a broad cross-section of experienced TWRS personnel to assure that it contains: (1) a complete set of executable functions starting at level 4 and continuing down until the missions of TWRS projects and programs are defined. (2) that the Functions are properly constrained by both the derived and imposed requirements and (3) preliminary alternative architecture selections.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No T11-96-020

Revision/CIN: 0

WBS Number 1.01.01.01.01.01

Due Date: 9/15/96

ADS No: 1200

Title: Issue Updated Baseline System Description

Schedule ID: TB960102D

Scheduler: J Herod

Milestone Level:

Deliverables

Addressed To:

☐ TPA

☒ Report

☐ DOE-HQ

☐ DOE-HQ

☐ Letter

☒ DOE-RL

☐ DOE-FO

☐ Drawing

☐ Other (Specify)

☒ DOE-RL

☐ Other (Specify)

☐ Contractor

Description of this Commitment:

Complete an update of the Baseline System Description based on the completed Technical Requirements Specification.

Description of what Constitutes Completion of the Commitment:

Baseline System Description document.

Acceptance Criteria:

The Baseline System Description must accurately represent the information contained in the updated Functional Requirements Document and the completed Technical Requirements Specification. It will be reviewed by a team of experienced TWRS personnel to assure that it accurately reflects the current concept of the TWRS system as defined by the F&R and TRS.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1

Milestone Control No T11-96-022

Revision/CIN: 0

WBS Number 1.01.01.01.01

Due Date: 12/18/95

ADS No: 1200

Title: SUBMIT 90-DAY SRR ACTION PLAN
CLOSEOUT REPORT

Schedule ID: TB960201B

Scheduler: J. HEROD

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

This milestone represents documentation of completion of the 90-day action plan to resolve the TWRS SRR findings and recommendations.

Description of what Constitutes Completion of the Commitment:

Report documenting the completion.

Acceptance Criteria:

Successful completion of the 90-day action plan, as determined by WHC management.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T11-96-032
WBS Number 1.01.01.01.01.02

Revision/CIN: 0
Due Date: ~~2/15/96~~ 3/15/96
ADS No: 1200

Title: ISSUE SIGNED ICD's FOR ALTERNATE
ACQUISITION STRATEGY

Schedule ID: SM960103D

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Draft ICDs

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Submit WHC-approved Interface Control Document to DOE-RL. Approved TWRS Interface Control Documents are an element of the Functional Requirements Baseline (FRBL). The FRBL will establish the top-level requirements that projects must satisfy during development of the Tank Waste Remediation System. These specific documents must agree with the Alternative Acquisition Strategy (AAS).

Description of what Constitutes Completion of the Commitment:

Approved Interface Control Documents

Acceptance Criteria:

The ICD package prepared for the 10/16/95 milestone (MO -11) will be reviewed to determine if any changes are required and/or to determine if additional ICDs are needed to support the AAS RFP.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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Milestone Control No T11-96-033

Revision/CIN: 0

WBS Number 1.01.01.01.04

Due Date: 11/30/95

ADS No: 1200

Title: ISSUE OF THE DRAFT
ENVIRONMENTAL IMPACT
STATEMENT (EIS) BY EIS
CONTRACTOR (JACOBS ENGINEERING)

Schedule ID: EI960301B

Scheduler: J. E. HEROD

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
STAK

Description of this Commitment:

SUBMITTAL OF A DRAFT TWRS ENVIRONMENTAL IMPACT STUDY (EIS). THIS DOCUMENT SHOULD BE A COMPLETE EIS, AS DEFINED BY CEQ GUIDELINES AND VARIOUS DOE ORDERS.

Description of what Constitutes Completion of the Commitment:

DOE RL TWRS ACCEPTANCE OF THE DRAFT TWRS EIS ON OR BEFORE THE 11/30/95 DUE DATE.

Acceptance Criteria:

TWRS EIS CONDUCTED AS PER THE SPECIFICATIONS AS DEFINED BY VARIOUS DOE ORDER, AND BY DOE RL TWRS / WHC AGREEMENTS REACHED PRIOR TO TRI - PARTY AGREEMENT.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
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Milestone Control No T11-96-034

Revision/CIN: 0

WBS Number 1.01.01.01.01.04

Due Date: 6/28/96

ADS No: 1200

Title: ISSUE OF THE FINAL
ENVIRONMENTAL IMPACT
STATEMENT BY EIS CONTRACTOR
(JACOBS ENG.)

Schedule ID: EI960301C

Scheduler: J. E. HEROD

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
DOE

Description of this Commitment:

SUBMITTAL OF A FINAL TWRS ENVIRONMENTAL IMPACT STUDY(EIS). THIS DOCUMENT SHOULD BE A COMPLETE EIS, AS DEFINED BY THE CEQ GUIDELINES AND VARIOUS DOE ORDERS. THIS SUBMITTAL MUST INCORPORATE REVIEW COMMENTS GENERATED AS A RESULT OF THE DRAFT EIS REPORT (T11-96-033). THE DOCUMENT SHALL BE GIVEN APPROPRIATE DISTRIBUTION FOR REVIEW BY STAKEHOLDERS AND OTHER INTERESTED PARTIES.

Description of what Constitutes Completion of the Commitment:

DOE RL AND DOE HQ ACCEPTANCE OF THE FINAL TWRS EIS ON OR BEFORE THE 6/28/96 DATE.

Acceptance Criteria:

TWRS EIS CONDUCTED AS PER THE SPECIFICATIONS AS DEFINED BY CEQ GUIDELINES AND VARIOUS DOE ORDERS.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T11-96-035
WBS Number 1.01.01.01.01.04

Revision/CIN: 0
Due Date: 8/30/96
ADS No: 1200

Title: RECORD OF DECISION (ROD)

Schedule ID: EI960301D
Scheduler: J. E. HEROD

Milestone Level:

☐ TPA
☒ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
FORMAL
DECISION

Description of this Commitment:

RECORD OF DECISION (ROD) ISSUED FOR THE TWRS ENVIRONMENTAL IMPACT STUDY (EIS).

Description of what Constitutes Completion of the Commitment:

DOE HQ ISSUE OF THE ROD ON OR BEFORE THE 8/30/96 DUE DATE

Acceptance Criteria:

FORMAL ISSUANCE OF THE ROD

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T11-96-044
WBS Number 1.01.01.01.01.01

Revision/CIN: 0

Due Date: 4/15/96

ADS No: 1200-AA

Title: Conduct V&V Approach Briefing

Schedule ID: TB960203C

Scheduler: HEROD

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Briefing

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

This milestone represents conduct of the V&V Approach Briefing. The Approach Briefing is developed by WHC and presented to DOE-RL. The briefing includes mission background, critical program issues, V&V objectives, methodology, constraints, schedule and resources for establishing the V&V program the program element level. One of the major items presented during this briefing is the V&V Compliance Matrix (VCM).

Description of what Constitutes Completion of the Commitment:

Briefing minutes and action items

Acceptance Criteria:

Evidence of the scheduling and conduct of the briefing, ie. minutes and action items from the briefing.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
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**WHC-SP-1101
REV. 1**

Milestone Control No T11-96-045
WBS Number 1.01.01.01.01.01

Revision/CIN: 0
Due Date: 6/1/96
ADS No: 1200-AA

Title: Issue FY96 V&V Compliance Matrix

Schedule ID: TB960211
Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
WHC Document

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

This milestone represents issuance of the FY96 VCM. The draft VCM presented at the Approach Briefing will be updated and revised in accordance with comments and action items resulting from the briefing.

Description of what Constitutes Completion of the Commitment:

FY96 VCM

Acceptance Criteria:

The FY96 VCM will be reviewed by a team of experienced TWRS V&V personnel to assure that all briefing comments and action items relating to the VCM are properly incorporated/dispositioned.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T11-96-046

Revision/CIN: 0

WBS Number 1.01.01.01.01

Due Date: 8/31/96

ADS No: 1200-AA

Title: Issue V&V Program Outline

Schedule ID: TB960212

Scheduler:

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
WHC Document

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Upon successful completion of approach briefing work is started on the V&V Program Outline (VPO) . The VPO is a document that identifies resources and scopes the V&V program effort through the program element level. This document provides the overall planning, management, integration, implementation, and guidance for upper-level V&V baseline effort. It alludes to the overall questions of "what" needs to be done. (Subsidiary V&V documents address " how V&V will be performed.) Major sections of the VPO include: V&V Introduction (background, purpose, schedule and milestones, general system description, operational and maintenance concepts, scope, limiting factors, assumptions, and V&V Management). Methods of Accomplishment (critical issues, V&V approach, V&V objectives, program element/program element and program element/program integration, subsidiary V&V document requirements), V&V Resource Requirements (personnel, travel and transportation, equipment, printing and reproduction, etc.), Points of Contact and V&V Cost Estimates. The VPO will be updated annually.

Description of what Constitutes Completion of the Commitment:

V&V Program Outline

Acceptance Criteria:

The VPO will be reviewed before issuance to assure that is complete and accurate.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
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**WHC-SP-1101
REV. 1**

Milestone Control No T11-96-047
WBS Number 1.01.01.01.08

Revision/CIN: 0
Due Date: 11/15/95
ADS No: 1200
Schedule ID: QA960405A

Title: DELIVER INTEGRATED ASSESSMENT
SCHEDULE

Scheduler: J. HEROD

Milestone Level:	Deliverables	Addressed To:
☐ TPA	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☒ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☒ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

Deliver the FY 96 Integrated Assessment Schedule

Description of what Constitutes Completion of the Commitment:

Submittal of FY 96 Integrated Assessment Schedule to DOE-RL TWRS PSD

Acceptance Criteria:

A list of assessment topics for FY 96 that DOE and WHC personnel will jointly perform indicating the general time frame for performing each scheduled integrated assessment

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No T11-97-029
WBS Number 1.01.01.01.01.02.0002

Revision/CIN: 0
Due Date: 3/31/97
ADS No: 1200

Title: ISSUE INTEGRATED TECHNOLOGY
PLAN (ITP)

Schedule ID: PT97M01

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
CONTROLLED
DOCUMENT

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

DELIVER TWRS INTEGRATED TECHNOLOGY PLAN FOR REVIEW TO WHC.

Description of what Constitutes Completion of the Commitment:

ENSURE THAT DEFENSIBLE TECHNOLOGY SOLUTIONS ARE DEVELOPED THAT ARE DIRECTLY COUPLED WITH THE TWRS NEEDS AND DOCUMENTED IN THE TWRS INTEGRATED TECHNOLOGY PLAN. TRANSMIT THE TWRS ITP FOR REVIEW AND APPROVAL TO THE INTEGRATING CONTRACTOR, WHC.

Acceptance Criteria:

APPROVAL OF THE INTEGRATED TECHNOLOGY PLAN BY DOE-RL AND WHC TWRS PROGRAM OFFICES, THAT IS DETERMINED TO BE OF HIGH QUALITY, RECEIVES MINIMAL COMMENTS, AND RECONCILES TO THE TWRS BASELINE.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
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**WHC-SP-1101
REV. 1**

Milestone Control No T11-98-030
WBS Number 1.01.01.01.01.02.0002

Revision/CIN: 0
Due Date: 3/31/98
ADS No: 1200

Title: ISSUE INTEGRATED TECHNOLOGY
PLAN (ITP)

Schedule ID: PT98M01

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
CONTROLLED
DOCUMENT

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

DELIVER TWRS INTEGRATED TECHNOLOGY PLAN FOR REVIEW TO WHC.

Description of what Constitutes Completion of the Commitment:

ENSURE THAT DEFENSIBLE TECHNOLOGY SOLUTIONS ARE DEVELOPED THAT ARE DIRECTLY COUPLED WITH THE TWRS NEEDS AND DOCUMENTED IN THE TWRS INTEGRATED TECHNOLOGY PLAN. TRANSMIT THE TWRS ITP FOR REVIEW AND APPROVAL TO THE INTEGRATING CONTRACTOR, WHC.

Acceptance Criteria:

APPROVAL OF THE INTEGRATED TECHNOLOGY PLAN BY DOE-RL AND WHC TWRS PROGRAM OFFICES, THAT IS DETERMINED TO BE OF HIGH QUALITY, RECEIVES MINIMAL COMMENTS, AND RECONCILES TO THE TWRS BASELINE.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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REV. 1

Milestone Control No T11-98-032

Revision/CIN: 0

WBS Number 1.01.01.01.02.01

Due Date: 8/31/98

ADS No: 1200-00-AA

Title: ISSUE ANNUAL DRAFT UPDATE OF
MULTI-YEAR WORK PLAN (MYPP) TO
DOE-RL

Schedule ID: PB980501A

Scheduler: J. Herod

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
MYPP WITH
BASELINE

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

WHC DOCUMENT ENTITLED "TWRS MULTI-YEAR PROGRAM PLAN" FORMALLY
TRANSMITTED TO DOE-RL BY AUG 31 OF EACH YEAR

Description of what Constitutes Completion of the Commitment:

DEVELOP AND COORDINATE PREPARATION OF THE MYPP INCLUDING ALL
CHAPTERS AND APPENDICES. THE MYPP WILL INCLUDE AS A ROLLING
THREE(3) YEAR FISCAL WINDOW, SCHEDULE/COST BASELINES INCLUDING
ASSUMPTIONS, CONSTRAINTS, DELIVERABLES, LOGIC'S, MASTER SUMMARY
AND OPERATING SCHEDULES, KEY CROSSCUT INFORMATION, WBS
DICTIONARIES, MILESTONE DESCRIPTION SHEETS (MDS'S), CONTROL LOG
AND A SUMMARY OF HOW TWRS WILL BE MANAGED INCLUDING
ROLES/RESPONSIBILITIES.

Acceptance Criteria:

THE MYPP WILL MEET SITE MANAGEMENT SYSTEMS (SMS) OUTLINE CRITERIA
ESTABLISHED VIA DOE-RLIDS AND SPECIFIC TWRS-RL GUIDANCE FOR
SCOPE, SCHEDULE AND BUDGET COVERING THE THREE (3) YEAR FISCAL
ROLLING WAVE WINDOW. GUIDANCE TO BE RECIEVED FORMALLY NO LATER
THAN MARCH 30 OF EACH YEAR.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T11-98-033

Revision/CIN: 0

WBS Number 1.01.01.01.01.02

Due Date: 6/2/98

ADS No: 1200

Title: ISSUE ANNUAL UPDATE OF THE FIVE
YEAR PLAN

Schedule ID: PB980401A

Scheduler:

Milestone Level:

☐ TPA
☒ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

DEVELOP AND COORDINATE THE PREPARATION OF THE TWRS FIVE YEAR PLAN ACTIVITY DATA SHEETS (ADS'S). THIS WILL INCLUDE THE LOADING OF THE TWRS MULTI-YEAR BASELINE INTO THE WHC RPM/EPDS SYSTEM. THE ADS'S WILL BE ATTACHED AND WILL BE UTILIZED TO DOCUMENT TWRS REQUEST FOR FUNDING FROM CONGRESS. THE INFORMATION SHALL SUPPORT SEVEN (7) FISCAL YEARS INCLUDING SCOPE DESCRIPTIONS, BUDGET REQUIREMENTS AND SCHEDULE INFORMATION IN THE FORM OF MILESTONES AND DELIVERABLES.

Description of what Constitutes Completion of the Commitment:

ELECTRONICALLY TRANSMIT FIVE YEAR PLAN ADS'S AND SUPPORTING DOCUMENTATION (SUB ACTIVITY DATA SHEETS) TO DOE-RL.

Acceptance Criteria:

THE FIVE YEAR PLAN ADS'S WILL BE PREPARED CONSISTANT WITH DOE-HQ AND DOE-RL CRITERIA. GUIDANCE MUST BE RECEIVED ON CONTENT DELIVERABLES; SCOPE, SCHEDULE, AND BUDGET REQUIREMENTS NO LATER THAN JANUARY 30 OF EACH YEAR.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No T1A-95-103

Revision/CIN: 0

WBS Number 1.01.01.01

Due Date: 8/31/95

ADS No: 1200-00-AA

Title: ISSUE ANNUAL DRAFT UPDATE OF
THE MULTI-YEAR WORK PLAN
(MYWP) TO DOE-RL

Schedule ID: BLW9512

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

DEVELOP AND COORDINATE PREPARATION OF THE MYWP INCLUDING ALL CHAPTERS AND APPENDICES. THE MYWP WILL INCLUDE ASA ROLLING THREE (3) YEAR FISCAL WINDOW, SCHEDULE/COST BASELINES INCLUDING ASSUMPTIONS, CONSTRAINTS, DELIVERABLES, LOGIC'S, MASTER SUMMARY AND OPERATING SCHEDULES, KEY CROSSCUT INFORMATION, WBS DICTIONARIES, MILESTONE DESCRIPTION SHEETS (MD'S)/CONTROL LOG AND A SUMMARY OF HOW TWRS WILL BE MANAGED INCLUDING ROLES/RESPONSIBILITIES

Description of what Constitutes Completion of the Commitment:

WHC DOCUMENT ENTITLED "TWRS MULTI-YEAR WORK PLAN" FORMALLY TRANSMITTED TO DOE-RL TWRS BY AUGUST 31 OF EACH YEAR

Acceptance Criteria:

THE MYWP WILL MEET SITE MANAGEMENT SYSTEM (SMS) OUTLINE CRITERIA ESTABLISHED VIA DOE-RLIDS AND SPECIFIC TWRS-RL GUIDANCE FOR SCOPE, SCHEDULE AND BUDGET COVERING THE THREE (3) YEAR FISCAL ROLLING WAVE WINDOW. GUIDANCE TO BE RECEIVED FORMALLY NO LATER THAN MARCH 30 OF EACH YEAR

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System**

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Milestone Description Sheet

**WHC-SP-1101
REV. 1**

Milestone Control No T1A-95-123

Revision/CIN: 0

WBS Number 1.01.01.01.01

Due Date: 2/5/96

ADS No: 1200-00-AA

Title: REVISED TWRS SYSTEM
ENGINEERING MANAGEMENT PLAN
(DNFSB 3.7.G)

Schedule ID: SEW9521A

Scheduler:

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ 3.7.I.
☒ DOE-FO
☐ DOE-RL
☐ Contractor

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
WHC
DOCUMENT

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

DNFSB 92-4. THIS COMMITMENT IS TO REVISE THE EXISTING TWRS SYSTEM ENGINEERING MANAGEMENT PLAN (SEMP) TO ALIGN WITH DOE GUIDANCE AND SYSTEM ENGINEERING SPECIFICATIONS WHEN THIS GUIDANCE BECOMES AVAILABLE. THIS WILL COMPLETE SRR ACTION PLAN, TASK NUMBER INF-01, SUBTASK 2, PLANNING INFRASTRUCTURE.

Description of what Constitutes Completion of the Commitment:

A letter to RL documenting issuance of SEMP. A SEMP Issued as a supporting document.

Acceptance Criteria:

WHC Approval in accordance with WHC-CM-3-5, Section 12.7, Approval of Environmental, Safety and Quality Affecting Documents.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T1A-95-124

Revision/CIN: 0

WBS Number 1.01.01.01.01

Due Date: 5/15/96

ADS No: 1200-00-AA

Title: REVISED IMPL PROCEDURES (DNFSB
3.7.H)

Schedule ID: SEW9521B

Scheduler: J. HEROD

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ 3.7.H
☒ DOE-FO
☐ DOE-RL
☐ Contractor

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
WHC LETTER

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

DNFSB 92-4 Commitment. This commitment is to revise the existing TWRS System Engineering implementing procedures (desk instructions and other guidance to line organizations). These documents will be revised to align w/DOE guidance when this guidance becomes available. This will complete SRR Action Plan, Task number INF-08, Subtasks 1 and 2, Systems Engineering Process.

Description of what Constitutes Completion of the Commitment:

Letter documenting that the existing procedures have been revised.

Acceptance Criteria:

WHC Approval of individual procedures in accordance with WHC-CM-3-5, Section 12.7, Approval of Environmental Safety and Quality Affecting documents.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
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**WHC-SP-1101
REV. 1**

Milestone Control No T1A-96-100
WBS Number 1.01.01.01.01

Revision/CIN: 0
Due Date: 8/29/96
ADS No: 1200-00-AA

Title: ISSUE ANNUAL DRAFT UPDATE OF
THE MYPP TO DOE-RL

Schedule ID: BLW9612

Scheduler: J. HEROD

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
MYPP baseline
document

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

WHC document entitles "Tank Waste Remediation System Multi-Year Program Plan" formally transmitted to DOE-RL TWRS by August 31.

Description of what Constitutes Completion of the Commitment:

Develop and coordinate the preparation of the MYPP including all chapters and attachments. The MYPP will include as a rolling three (3) year fiscal window, schedule/cost baselines including assumptions, constraints, deliverables, summary and operating schedules, WBS dictionaries, milestone description sheets/control log, and a summary of how TWRS will be managed.

Acceptance Criteria:

The MYPP will meet SMS outline criteria established via DOE-RLIDS and specific TWRS-RL guidance for scope, schedule, and budget covering the three (3) year fiscal rolling wave window. Guidance to be received formally no later than March 30 of each year.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No T1A-96-101

Revision/CIN: 0

WBS Number 1.01.01.01.01

Due Date: 5/31/96

ADS No: 1200-00-AA

Title: ISSUE ANNUAL UPDATE OF THE FIVE
YEAR PLAN - ADS'S

Schedule ID: BLW9622

Scheduler:

Milestone Level:

- ☐ TPA
- ☒ DOE-HQ
- ☐ DOE-FO
- ☐ DOE-RL
- ☐ Contractor

Deliverables

- ☐ Report
- ☐ Letter
- ☐ Drawing
- ☒ Other (Specify)
ELECTRONIC
FILE

Addressed To:

- ☐ DOE-HQ
- ☒ DOE-RL
- ☐ Other (Specify)

Description of this Commitment:

DEVELOP AND COORDINATE THE PREPARATION OF THE TWRS FIVE YEAR PLAN ACTIVITY DATA SHEETS (ADS'S). THIS WILL INCLUDE THE LOADING OF THE TWRS MULTI-YEAR BASELINE INTO THE WHC RPM/EPDS SYSTEM. THE ADS'S WILL BE ATTACHED AND WILL BE UTILIZED TO DOCUMENT TWRS REQUEST FOR FUNDING FROM CONGRESS. THE INFORMATION SHALL SUPPORT SEVEN (7) FISCAL YEARS INCLUDING SCOPE DESCRIPTIONS, BUDGET REQUIREMENTS AND SCHEDULE INFORMATION IN THE FORM OF MILESTONES AND DELIVERABLES.

Description of what Constitutes Completion of the Commitment:

ELECTRONICALLY TRANSMIT FIVE YEAR PLAN ADS'S AND SUPPORTING DOCUMENTATION (SUB-ACTIVITY DATA SHEETS) TO DOE-RL.

Acceptance Criteria:

THE FIVE YEAR PLAN ADS'S WILL BE PREPARED CONSISTENT WITH DOE-HQ AND DOE-RL CRITERIA. GUIDANCE MUST BE RECEIVED ON CONTENT DELIVERABLES; SCOPE, SCHEDULE AND BUDGET REQUIREMENTS NO LATER THAN JANUARY 30 OF EACH YEAR.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
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**WHC-SP-1101
REV. 1**

Milestone Control No T1A-96-103
WBS Number 1.01.01.01.01.02.0002

Revision/CIN: 0
Due Date: 4/1/96
ADS No: 1200

Title: ISSUE INTEGRATED TECHNOLOGY
PLAN (ITP)

Schedule ID: PT96M01

Scheduler: J. Herod

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Controlled
Document

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

The TWRS Integrated Technology Plan (DOE/RL-92-61, Rev. 2, February 28, 1995) will be updated in sufficient time to support development of the FY 1997 Tank Focus Area Program Plans.

Description of what Constitutes Completion of the Commitment:

The TWRS Integrated Technology Plan is approved by the WHC Program Offices.

Acceptance Criteria:

Approval of the Integrated Technology Plan by DOE-RL AND WHC TWRS Program Offices, that is determined to be of high quality, receives minimal comments, and reconciles to the TWRS baseline.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System**

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Milestone Description Sheet

**WHC-SP-1101
REV. 1**

Milestone Control No T1A-96-106

Revision/CIN: 0

WBS Number 1.01.01.01.01

Due Date: 9/30/96

ADS No: 1200-00-AD

Title: DEVELOP PLAN FOR MAPPING TWRS
WASTE TRANSFER LINES

Schedule ID: RC96M01

Scheduler:

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
DEPT. OF
ECOLOGY

Description of this Commitment:

A PLAN WILL BE DEVELOP WHICH DESCRIBE HOW UNDERGROUND WASTE TRANSFER LINES OUTSIDE TANK FARM FENCES WILL BE MAPPED TO SATISFY HANFORD FACILITY DANGEROUS WASTE PERMIT CONDITION IIIU.

Description of what Constitutes Completion of the Commitment:

A PLAN FOR MAPPING TWRS UNDERGROUND WASTE TRANSFER LINES.

Acceptance Criteria:

A PLAN WHICH DOCUMENTS HOW MAPPING TWRS WASTE TRANSFER LINES WILL BE MAPPED IS DELIVERED TO THE WASHINGTON DEPARTMENT OF ECOLOGY WITHIN 24 MONTHS OF ISSUANCE OF THE HANFORD FACILITY DANGEROUS WASTE PERMIT.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No T1A-97-100

Revision/CIN: 0

WBS Number 1.01.01.01.01

Due Date: 8/29/97

ADS No: 1200-00-AA

Title: ISSUE ANNUAL DRAFT UPDATE OF
THE MYWP TO DOE-RL

Schedule ID: BLW9712

Scheduler:

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
MULTI YEAR
PROGRAM

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

DEVELOP AND COORDINATE PREPARATION OF THE MYWP INCLUDING ALL CHAPTERS AND APPENDICES. THE MYWP WILL INCLUDE AS A ROLLING THREE (3) YEAR FISCAL WINDOW, SCHEDULE/COST BASELINES INCLUDING ASSUMPTIONS, CONSTRAINTS, DELIVERABLES, LOGIC'S, MASTER SUMMARY AND OPERATING SCHEDULES, KEY CROSSCUT INFORMATION, WBS DICTIONARIES, MILESTONE DESCRIPTION SHEETS (MD'S)/CONTROL LOG AND A SUMMARY OF HOW TWRS WILL BE MANAGED INCLUDING ROLES/RESPONSIBILITIES.

Description of what Constitutes Completion of the Commitment:

WHC DOCUEMTN ENTITLED "TWRS MULTI-YEAR WORK PLAN" FORMALLY TRANSMITTED TO DOE-RL TWRS BY AUGUST 31 OF EACH YEAR.

Acceptance Criteria:

THE MYWP WILL MEET SITE MANAGEMENT SYSTEM (SMS) OUTLINE CRITERIA ESTABLISHED VIA DOE-RLIDS AND SPECIFIC TWRS-RL GUIDANCE FOR SCOPE, SCHEDULE AND BUDGET COVERING THE THREE (3) YEAR FISCAL ROLLING WAVE WINDOW. GUIDANCE TO BE RECEIVED FORMALLY NO LATER THAN MARCH 30 OF EACH YEAR.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No T1A-97-101

Revision/CIN: 0

WBS Number 1.01.01.01.01

Due Date: 5/30/97

ADS No: 1200-00-AA

Title: ISSUE ANNUAL UPDATE OF THE FIVE
YEAR PLAN - ADS'S

Schedule ID: BLW9722

Scheduler:

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☒ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
ELECTRONIC
FILE

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

DEVELOP AND COORDINATE PREPARATION OF THE TWRS FIVE YEAR PLAN ACTIVITY DATA SHEETS (ADS'S). THIS WILL INCLUDE THE LOADING OF THE TWRS MULTI-YEAR BASELINE INTO THE WHC RPM/EPDS SYSTEM. THE ADS'S WILL BE ATTACHED AND WILL BE UTILIZED TO DOCUMENT TWRS REQUEST FOR FUNDING FROM CONGRESS. THE INFORMATION SHALL SUPPORT SEVEN (7) FISCAL YEARS INCLUDING SCOPE DESCRIPTIONS, BUDGET REQUIREMENTS AND SCHEDULE INFORMATION IN THE FORM OF MILESTONES AND DELIVERABLES.

Description of what Constitutes Completion of the Commitment:

ELECTRONICALLY TRANSMIT FIVE YEAR PLAN ADS'S AND SUPPORTING DOCUMENTATION (SUB-ACTIVITY DATA SHEETS) TO DOE-RL.

Acceptance Criteria:

THE FIVE YEAR PLAN ADS'S WILL BE PREPARED CONSISTENT WITH DOE-HQ AND DOE-RL CRITERIA. GUIDANCE MUST BE RECEIVED ON CONTENT DELIVERABLES; SCOPE, SCHEDULE AND BUDGET REQUIREMENTS NO LATER THAN JANUARY 30 OF EACH YEAR.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No TDA-94-116

Revision/CIN: 0

WBS Number 1.01.01.01

Due Date: 9/15/96

ADS No: 1200

Title: ISSUE TWRS TECHNICAL
REQUIREMENTS SPECIFICATIONS FOR
DOE APPROVAL

Schedule ID: TB960102B

Scheduler: J. HEROD

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☒ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Submit Technical Requirements Specifications (TRS) for DOE approval. The TRSs will establish the top-level requiremets that projects must satisfy during development of the Manage Tank Waste architecture. The TRS prepared in FY1996 will address the functions within the Manage Tank Waste function (4.2.1). Follow-on TRSs for the remaining functions within 4.2.2 , 4.2.3 and 4.2.4 will be scheduled and conducted in FY 1997.

Description of what Constitutes Completion of the Commitment:

Technical Requirements Specifications (TRS) for Manage Tank Waste (4.2.1)

Acceptance Criteria:

The TRS prepared for the FY 1996 Technical Requirements Reviews (TRR) will be updated and revised by incorporating comments and changes resulting from the TRR . Before submittal for DOE approval, it will be reviewed to assure that all approved comments and changes are incorporated.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

PAGE NO. 4

1.1.1.2.01.02 Waste Vol Mgmt Rec/Xfer/Evap

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.01.02.03	COMP OUTAGE & CAMPAIGN 96-1 FOR 242A EVAP.	DOE-RL T21-96-002		28JUN96
1.1.1.2.01.02.05	COMPL. PRE-CAMPAIGN 96-1 OUTAGE	DOE-RL T21-96-005		31MAY96
1.1.1.2.01.02.05	COMPL PRE-CAMPAIGN 97-1	DOE-RL T21-96-006		30SEP96
1.1.1.2.01.02.05	242-A FSAR UPDATE AVAIL TO DOE	DOE-RL T21-96-009		29DEC95
1.1.1.2.01.02.05	TK FRM EVA P AW&AP OPER ROUTINE SURV.	DOE-RL T21-96-011		30SEP96
1.1.1.2.01.02.05	COMPL CAMPAIGN 96-1 SUPT	DOE-RL T21-96-012		01JUL96
1.1.1.2.01.02.09	Issue report on NCAW consolidation	DOE-RL T21-96-225		22JAN96
1.1.1.2.01.02.09	Issue report on NCRW consolidation	DOE-RL T21-96-226		19APR96
1.1.1.2.01.02.09	Issue suppt doc cont inter stab & emerg Pump P1	DOE-RL T21-96-227		29MAR96
1.1.1.2.01.02.09	Issue report on 102-SY retrieval evaluation	DOE-RL T21-96-229		20MAR96
1.1.1.2.01.02.09	Issue TWRS report on 28 DST & wste transfer	DOE-RL T21-96-231		29MAR96
1.1.1.2.01.02.02	AW T.F. ENRAF LEVEL GAUGE INSTALL COMP	DOE-RL T21-96-700		31MAY96
1.1.1.2.01.02.03	STAGE WASTE TO SUPPORT CAMPAIGN 96-1	DOE-RL T21-96-701		01DEC95
1.1.1.2.01.02.03	STAGE WASTE TO SUPPORT CAMPAIGN 97-1	DOE-RL T21-96-702		01APR96

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WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

PAGE NO. 5

1.1.1.2.01.02 Waste Vol Mgmt Rec/Xfer/Evap

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.01.02.03	CREATE READINESS ASSESSMENT PROCEDURE	DOE-RL T21-96-703		01MAR96
1.1.1.2.01.02.04	COMPLETE CLASS ROOM TRNG OF NEW EVAP OPERATORS	DOE-RL T21-96-704		31MAY96
1.1.1.2.01.02.03	COMPLETE OUTAGE 97-1 FOR 242-A EVAPORATOR	DOE-RL T21-97-001		30MAY97
1.1.1.2.01.02.03	COMP CAMPAIGN 97-1 FOR 242A EVAP.	DOE-RL T21-97-002		30JUN97
1.1.1.2.01.02.05	242-A FSAR UPDATE AVAIL TO DOE	DOE-RL T21-97-009		28MAR97
1.1.1.2.01.02.05	242-A FSAR UPDATE AVAIL TO DOE	DOE-RL T21-98-009		30MAR98
1.1.1.2.01.02.05	M-46-00E DOUBLE SHELL TANK SPACE EVALUATION	TPA-M T21-98-800		30SEP98
1.1.1.2.01.02.05	M-46-00B DOUBLE SHELL TANK SPACE EVALUATION	TPA-M T2A-95-107		29SEP95
1.1.1.2.01.02.05	COMPLETE CAMPAIGN 94-2 SUPPORT	DOE-RL T2A-95-170		30DEC94
1.1.1.2.01.02.05	COMPLETE PRE-CAMPAIGN 95-1 OUTAGE	DOE-RL T2A-95-172		30JUN95
1.1.1.2.01.02.05	COMPLETE CAMPAIGN 95-1 SUPPORT	DOE-RL T2A-95-174		29SEP95
1.1.1.2.01.02.05	242-A FSAR UPDATE AVAIL TO DOE	DOE-RL T2A-95-180		22DEC94
1.1.1.2.01.02.07	Decontam/Downpost 241-AN, AY, AZ & T to RCA	DOE-RL T2A-95-234		29SEP95
1.1.1.2.01.02.07	Cleanup 10 SCAs (BX/BY/AX/C/U/S/SX/TC4/154B/151)	DOE-RL T2A-95-235		29SEP95

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WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

PAGE NO. 6

1.1.1.2.01.02 Waste Vol Mgmt Rec/Xfer/Evap

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.01.02.07	Comp Cross-Site Transf Line Surf Area Decontam.	DOE-RL T2A-95-236		28APR95
1.1.1.2.01.02.07	Reseed & Vegetation Manage all Decontam Areas	DOE-RL T2A-95-238		29SEP95
1.1.1.2.01.02.07	Maintain TF Surface Seal Integrity-Tall Oil Em	DOE-RL T2A-95-240		29SEP95
1.1.1.2.01.02.07	Waste Minimization: Poll Prev Opportun Assessmts	DOE-RL T2A-95-244		29SEP95
1.1.1.2.01.02.07	Conduct FY95 TWRS Wst Min/Poll Prevent Actvties	DOE-RL T2A-95-245		29SEP95
1.1.1.2.01.02.07	Invent of Used/Stored/Contam Equip in TF Anc Unt	DOE-RL T2A-95-246		31AUG95
1.1.1.2.01.02.07	TWRS Plant S/RIDs Environmental Self-Assessment	DOE-RL T2A-95-247		29SEP95
1.1.1.2.01.02.05	M-46-00C DOUBLE SHELL TANK SPACE EVALUATION	TPA-M T2A-96-104		30SEP96
1.1.1.2.01.02.05	M-46-00D DOUBLE SHELL TANK SPACE EVALUATION	TPA-M T2A-97-106		30SEP97

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Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T21-96-002
WBS Number: 1:01.01.02.01.02.0003

Revision/CIN: 0
Due Date: ~~12/31/95~~ 6/28/96
ADS No: 1100-00-NF

Title: COMPLETE IMPLEMENTATION OF
10CFR835 (CODE AND FEDERAL
REGULATION ON OCCUPATIONAL
RADIATION PROTECTION)

Schedule ID: N1F63D605

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Perform field verification of all radiological control requirements as defined in the Radiological Protection Plan, which includes self assessments, followup assessments and full compliance with 10CFR835 (Code of Federal Regulation on Occupational Radiation Protection).

Description of what Constitutes Completion of the Commitment:

Deliverables: Self assessment - 10/31/95; Followup assessment - 11/30/95; Full Compliance - 12/31/95

Acceptance Criteria:

Implementation documentation for 10CFR835 compliance is in place in an auditable manner.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No ^{T21} ~~T2A~~-96-005
WBS Number 1.01.01.02.01.02.0005

Revision/CIN: 1
Due Date: 5/31/96
ADS No: 1100-0-NA
Schedule ID: N1A17602A

Title: COMPLETE PRE-CAMPAIGN 96-1
OUTAGE

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Affidavits

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC

Description of this Commitment:

Provide the process and systems engineering support required during the 242-A Evaporator maintenance outage needed to ready the facility for Campaign 96-1. Successful task completions will be documented by a Type 6 Readiness Review.

Description of what Constitutes Completion of the Commitment:

Approved affidavits for all Readiness Review items assigned to Engineering. Due Date May 31, 1996.

Acceptance Criteria:

Acceptance and approval of engineering affidavits by the Campaign 96-1 Readiness Review Board.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Page 1 of 1
Rev. 1

WHC-SP-1101
REV. 1

Milestone Control No ^{TZ1} ~~T2A~~-96-006

Revision/CIN: 1

WBS Number 1.01.01.02.01.02.0003
.0005

Due Date: 9/30/96

ADS No: 1100-0-NA

Title: COMPLETE PRE-CAMPAIGN 97-1

Schedule ID: N1A17605

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Affidavits

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC

Description of this Commitment:

Provide the process and systems engineering support required during the 242-A Evaporator maintenance outage needed to ready the facility for Campaign 97-1. Successful task completions will be documented by a Type 6 Readiness Review.

Description of what Constitutes Completion of the Commitment:

Approved affidavits for all Readiness Review items assigned to Engineering. Due Date September 30, 1996.

Acceptance Criteria:

Acceptance and approval of engineering affidavits by the Campaign 97-1 Readiness Review Board.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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WHC-SP-1107
REV. 1

^{TZ1}
Milestone Control No ~~F2A~~-96-009
WBS Number 1.01.01.02.01.02.0005

Revision/CIN: 1
Due Date: 12/29/95
ADS No: 1100-0-NA
Schedule ID: N1A176081

Title: 242-A FSAR UPDATE AVAILABLE TO
DOE

Scheduler:

Milestone Level:	Deliverables	Addressed To:
☐ TPA	☒ Report	☐ DOE-HQ
☐ DOE-HQ	☐ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☒ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

Issue annual 242-A FSAR Update to DOE-RL for review and approval. This revised document will incorporate all necessary changes and corrections to the original document, and will be written in compliance with DOE order 5480.22.

Description of what Constitutes Completion of the Commitment:

WHC approved FSAR Document Update. Due Date December 29, 1995.

Acceptance Criteria:

submittal of updated FSAR to DOE.

Title: H

Schedule ID:

Scheduler:

Milestone Level:	Deliverables	Addressed To:
☐ TPA	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☐ Letter	☐ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☐ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

Description of what Constitutes Completion of the Commitment:

Acceptance Criteria:

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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Milestone Control No ^{TZ1} ~~T2A~~-96-009
WBS Number 1.01.01.02.01.02.0005

Revision/CIN: 0
Due Date: 12/29/96
ADS No:

WHC-SP-1101
REV. 1

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

T21
Milestone Control No T2A-96-011

Revision/CIN: 1

WBS Number 1.01.01.02.01.02.0004-
0005

Due Date: 9/30/96

ADS No: 1100-0-NA

Title: TANK FARM EVAPORATOR/AW & AP
TANK FARM OPERATIONS ROUTINE
SURVEILLANCE

Schedule ID: N1A15A61

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Status
Integrated

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Data taking/monitoring per required frequencies and requirements (approximately 10,000 readings per week) to ensure compliance with operational safety and environmental requirements. Support to routine surveillance of 242-A & AW/AP Tank Farms including: 1) Obtainin daily and quarterly liquid level readings of DST in accordance with OSD-T-151-00031, OSD-T-151-00012, and OSD-T-151-00007. 2) Obtain AW/AP Tank Farms 200 East High Level Waste (HLW) tank temperature readings. 3) Investigate tank anomalies.

Description of what Constitutes Completion of the Commitment:

Issue monthly performance indicators for errors/omissions and status the integrated schedule monthly.

Acceptance Criteria:

All readings will be obtained within OSD Requirements.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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Rev. 0

^{TZ1}
Milestone Control No T2A-96-012
WBS Number 1.01.01.02.01.02.0005

Revision/CIN: 0
Due Date: 6/30/96
ADS No: 1100-00-NA

WHC-SP-1101
REV. 1

Title: COMPLETE CAMPAIGN 96-1 SUPPORT

Schedule ID: N1A17602A

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Process Memo

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC

Description of this Commitment:

Provide the process and systems engineering services to Operations as necessary to complete 242-A Evaporator Campaign 96-1, including RCRA and process control laboratory analysis.

Description of what Constitutes Completion of the Commitment:

Campaign completion will be documented by issue of an Engineering Process Memo providing directions to Operations to secure and flush the facility. Due Date June 30, 1996.

Acceptance Criteria:

Completion of Campaign 96-1.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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WHC-SP-1101
REV. 1

Milestone Control No T21-96-225
WBS Number: 1.01.01.02.01.02.0009

Revision/CIN: 0
Due Date: 1/22/96
ADS No: 1100-0

Title: NCAW CONSOLIDATION

Schedule ID: N1A1B1AM
Scheduler: C.RIENDEAU

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

The transfer and storage of NCAW will be evaluated to determine if it can be safely transferred and consolidated. The following activities will be completed: 1) Identify the required upgrades for all transfer scenarios. 2) Identify the retrieval and waste transfer support activities for transfer scenarios. 3) Prepare rough order of magnitude cost estimates for the transfer and support activities. 4) Prepare and integrated schedule for the transfer and support activities. 5) Issue management plan documenting the results of the retrieval and consolidation of NCAW.

Description of what Constitutes Completion of the Commitment:

Issue a management plan documenting the results of the retrieval and consolidation evaluation as the basis for implementation of the retrieval and consolidation of NCAW.

Acceptance Criteria:

WHC approval.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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Milestone Control No T21-96-226
WBS Number: 1.01.01.02.01.02.0009

Revision/CIN: 0
Due Date: ~~3/19/96~~ 4/19/96
ADS No: 1100-0

WHC-SP-1101
REV. 1

Title: NCRW CONSOLIDATION

Schedule ID: N1A1B1BM
Scheduler: C.RIENDEAU

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

The transfer and storage of NCAW will be evaluated to determine the best method for management of the waste. The following activities will be completed: 1) Identify alternatives for utilizing the empty space above NCRW wastes. 2) Develop the alternatives including pumping schedules, waste compatibility assessments, risks, costs, and other criteria. 3) Perform a decision analysis to select the optimum method for utilizing the empty space above the NCRW waste. 4) Issue a report as the basis for utilizing the space above NCRW.

Description of what Constitutes Completion of the Commitment:

Issue a report as the basis for implementing the actions required to utilize the space above the NCRW waste.

Acceptance Criteria:

WHC approval.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM
MILESTONE DESCRIPTION SHEET

WHC-SP-1101
REV. 1

(1) Title: EVALUATION/ASSESSMENT COMPLEXED/TRU WASTE (2) Schedule ID:
(3) Revision CIN:
(4) ADS: 1100
(5) WBS Number: 1.1.1.2.1.2.9 (6) Scheduler:
(7) Milestone Control Number: T21-96-227 (8) Due Date: 03/29/1996

(9) Milestone Type	(10) Deliverables	(11) Addressed to
☐ TPA _____	☒ Report	☐ DOE-HQ
☐ DOE-HQ _____	☐ Letter	☒ DOE-RL
☐ DOE-FO _____	☐ Drawings	
☒ DOE-RL _____		
☐ Contractor,	☐ Other (Specify)	☐ Other (Specify)

(12) Description of this commitment:

Identify and perform follow-on testing for saltwell wastes which were initially determined as incompatible with tank SY-102 wastes. Utilize the results to develop the final waste compatibility assessment. Using the assessment, develop the basis for implementing the transfer of 200 West Area SST wastes to the 200 East Area. This will include performing analyses, developing alternatives for transferring waste, and performing a decision analysis to select the optimum plan for transferring the wastes.

(13) Description of what constitutes completion of the commitment:

Issue of Supporting Document(s) containing the follow-on testing performed as a result of the initial compatibility screening that identifies the final complexant and TRU designation of the saltwell wastes, and containing the interim stabilization and emergency pumping plan as the basis for implementing transfer of SST wastes to the 200 East Area.

(14) Acceptance Criteria:

WHC approval.

(15) MDS APPROVAL

(16) COMPLETION APPROVAL

Date milestone was completed

A2-10

**Westinghouse Hanford Company
Tank Waste Remediation System**

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Milestone Description Sheet

WHC-SP-1101
REV. 1

Milestone Control No T21-96-229
WBS Number: 1.01.01.02.01.02.0009

Revision/CIN: 0
Due Date: 3/20/96
ADS No: 1100-0

Title: 102-SY RETRIEVAL EVALUATION

Schedule ID: N1A1B1NM
Scheduler: C.RIENDEAU

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Determine whether 102-SY solid waste can be safely transferred and stored.

Description of what Constitutes Completion of the Commitment:

Issue a report that documents the acceptability of whether 102-SY solid waste can be safely transferred and stored.

Acceptance Criteria:

WHC approval.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM
MILESTONE DESCRIPTION SHEET

WHC-SP-1103
REV. 1

(1) Title: LIFE MANAGEMENT

(2) Schedule ID:

(3) Revision CIN:

(4) ADS: 1100

(5) WBS Number: 1.1.1.2.1,2.9

(6) Scheduler:

(7) Milestone Control Number: T21-96-231

(8) Due Date: 03/31/1996

(9) Milestone Type

(10) Deliverables

(11) Addressed to

☐ TPA _____

☒ Report

☐ DOE-HQ

☐ DOE-HQ _____

☐ Letter

☒ DOE-RL

☐ DOE-FO _____

☐ Drawings

☒ DOE-RL _____

☒ Contractor

☐ Other (Specify)

☐ Other (Specify)

(12) Description of this commitment:

Update and compile existing information on the 28 double-shell tanks and waste transfer system. Evaluate condition of the tanks to predict future degradation and expected life.

(13) Description of what constitutes completion of the commitment:

A technical report outlining the status and future expected status of the TWRS waste handling system.

(14) Acceptance Criteria:

WHC approval.

(15) MDS APPROVAL

(16) COMPLETION APPROVAL

Date milestone was completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A2-12

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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WHC-SP-1101
REV. 1

Milestone Control No T21-96-700
WBS Number: 1.01.01.02.01.02.0002

Revision/CIN: 0
Due Date: 5/31/95
ADS No: 1100-0-NA
Schedule ID: N1A130B05

Title: INSTALL ENRAF LEVEL GAUGES IN
AW TANK FARM

Scheduler: N.SIMON

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Install ENRAF level guages in all 241-AN tanks.

Description of what Constitutes Completion of the Commitment:

Complete installation of ENRAF level guages in 102-AW, 103-AW, 104-AW, 105AW, and 106-AW.

Acceptance Criteria:

ENRAF level gadges installed on tanks 102-AW, 103-AW, 104-AW, 105-AW, and 106-AW, associated work packages document field work complete.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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WHC-SP-1101
REV. 1

Milestone Control No T21-96-701
WBS Number: 1.01.01.02.01.02.0003

Revision/CIN: 0
Due Date: 12/1/95
ADS No: 1100-0-na
Schedule ID: n1a14602c

Title: STAGE WASTE TO SUPPORT
CAMPAIGN 96-1

Scheduler: n. simon

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Stage waste in AP tank farm to support Campaign 96-1.

Description of what Constitutes Completion of the Commitment:

Waste to be preprocessed during Campaign 96-1 has been transfered to the AT tank farm.

Acceptance Criteria:

Waste is stage in AP tank farm for Campaign 96-1 and is ready to be sampled.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T21-96-702
WBS Number 1.01.01.02.01.02.0003

Revision/CIN: 0
Due Date: 4/1/96
ADS No: 1100-0-NA
Schedule ID: N1A14602D

Title: STAGE WASTE TO SUPPORT
CAMPAIGN 97-1

Scheduler: N. SIMON

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Stage waste in AP tank farm to support Campaign 97-1.

Description of what Constitutes Completion of the Commitment:

Waste to be processed during Campaign 97-1 has been transferred to the AP tank farm.

Acceptance Criteria:

Waste is staged in AP tank farm for Campaign 97-1 and is ready to be sampled.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A2-15

**Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T21-96-703
WBS Number: 1.01.01.02.01.02.0003

Revision/CIN: 0
Due Date: 3/1/96
ADS No: 1100-0-NA
Schedule ID: N1A14602E
Scheduler: N. SIMON

Title: CREATE A READINESS ASSESSMENT
PROCEDURE

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Institute a Readiness Assessment Process which combines a plan and checklist into an approved procedure. The procedure will then be used for routine Evaporator start-ups.

Description of what Constitutes Completion of the Commitment:

A readiness assessment procedure for start-up of the Evaporator will be issued.

Acceptance Criteria:

Issue procedure on or before due date.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T21-96-704

Revision/CIN: 0

WBS Number: 1.01.01.02.01.02.0004

Due Date: 5/31/96

ADS No: 1100-0-NA

Title: COMPLETE CLASSROOM TRAINING OF
NEW EVAPORATOR OPERATORS

Schedule ID: N1A15D62

Scheduler: N. SIMON

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Complete classroom training of new Evaporator Operators.

Description of what Constitutes Completion of the Commitment:

Complete classroom training and examination.

Acceptance Criteria:

Classroom training and written exam are complete prior to due date.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM
MILESTONE DESCRIPTION SHEET

WHC-SP-1101
REV. 1

(1) Title: COMPLETE OUTAGE AND CAMPAIGN ~~96-1~~ 97-1 (2) Schedule ID: ~~N1A14801A1~~ N1A14701A1
FOR 242-A EVAPORATOR

(3) Revision CIN: 2

(4) ADS: 1100-0-NA

(6) Scheduler:

(8) Due Date: ~~06/26/1996~~
5/30/1997

(5) WBS Number: 1.1.1.2.1.2.03

(7) Milestone Control Number: ~~T2A-98-002~~
T21-97-001

(9) Milestone Type

(10) Deliverables

(11) Addressed to

☐ TPA _____

☐ Report

☐ DOE-HQ

☐ DOE-HQ _____

☐ Letter

☒ DOE-RL

☐ DOE-FO _____

☐ Drawings

☒ DOE-RL _____

☐ Contractor

☒ Other (Specify)
STATUS INTEGRATED SCHEDULE

☐ Other (Specify)

(2) Description of this commitment:

Provide Administrative, Technical, Health Physics, and Sampling support to 242-A/AW and AP Tank Farms during Outage 96-1 and Campaign 96-1.

(13) Description of what constitutes completion of the commitment:

Complete campaign 96-1 by June 28, 1996.

(14) Acceptance Criteria:

Conduct the outage related activities and complete campaign 96-1 by processing waste stored in DST 105 AP and achieve a LERF to Waste Volume Reduction (WVR) ratio of 1.4 or less.

(15) MDS APPROVAL

(16) COMPLETION APPROVAL

Date milestone was completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

AZ-18

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM
MILESTONE DESCRIPTION SHEET

(1) Title: COMPLETE OUTAGE AND CAMPAIGN 96-1 FOR 242-A EVAPORATOR
(2) Schedule ID: N1A14701B1
(3) Revision CIN: 2 WHC-SP-1101 REV. 1
(4) ADS: 1100-0-NA
(5) WBS Number: 1.1.1.2.1.2.03
(6) Scheduler:
(7) Milestone Control Number: ^{T21}~~T2A~~ 97-002
(8) Due Date: 06/27/1997

(9) Milestone Type	(10) Deliverables	(11) Addressed to
☐ TPA _____	☐ Report	☐ DOE-HQ
☐ DOE-HQ _____	☐ Letter	☒ DOE-RL
☐ DOE-FO _____	☐ Drawings	
☒ DOE-RL _____		
☐ Contractor	☒ Other (Specify) STATUS INTEGRATED SCHEDULE	☐ Other (Specify)

(12) Description of this commitment:

Provide Administrative, Technical, Health Physics, and Sampling support to 242-A/AW and AP Tank Farms during Outage 96-1 and Campaign 96-1.

(13) Description of what constitutes completion of the commitment:

Complete campaign 96-1 by June 28, 1996.

(14) Acceptance Criteria:

Conduct the outage related activities and complete campaign 96-1 by processing waste stored in DST 105 AP and achieve a LERF to Waste Volume Reduction (WVR) ratio of 1.4 or less.

(15) MDS APPROVAL

(16) COMPLETION APPROVAL

Date milestone was completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

A2-19

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM
MILESTONE DESCRIPTION SHEET

WHC-SP-1101
REV. 1

(1) Title: 242-A FSAR UPDATE AVAILABLE TO DOE (2) Schedule ID: N1A
(3) Revision CIN: 0
(4) ADS: 1100-0-NA
(5) WBS Number: 1.1.1.2.1.2.05 T21-97-009 (6) Scheduler:
(7) Milestone Control Number: ~~T2A-97-009~~ (8) Due Date: ~~12/26/1995~~
3/28/1997
(9) Milestone Type (10) Deliverables (11) Addressed to
[] TPA _____ [X] Report [] DOE-HQ
[] DOE-HQ _____ [] Letter [X] DOE-RL
[] DOE-FO _____ [] Drawings
[X] DOE-RL _____
[] Contractor [] Other (Specify) [] Other (Specify)

2) Description of this commitment:

Issue annual 242-A FSAR Update to RL for review and approval. This revised document will incorporate all necessary changes and corrections to the original document, and will be written in compliance with DOE Order 5480.22.

(13) Description of what constitutes completion of the commitment:

WHC approved FSAR Document Update. Due December 29, 1995.

(14) Acceptance Criteria:

Submittal of update FSAR to DOE.

(15) MDS APPROVAL

(16) COMPLETION APPROVAL

Date milestone was completed

HC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

AZ-20

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM
MILESTONE DESCRIPTION SHEET

WHC-SP-1101
REV. 1

1) Title: 242-A FSAR UPDATE AVAILABLE TO DOE (2) Schedule ID: N1A

(3) Revision CIN: 0

(4) ADS: 1100-0-NA

(5) WBS Number: 1.1.1.2.1.2.05 T21-98-009

(6) Scheduler:

(7) Milestone Control Number: T2A-98-009

(8) Due Date: ~~12/31/1995~~
3/30/1998

(9) Milestone Type

(10) Deliverables

(11) Addressed to

☐ TPA _____

☒ Report

☐ DOE-HQ

☐ DOE-HQ _____

☐ Letter

☒ DOE-RL

☐ DOE-FO _____

☐ Drawings

☒ DOE-RL _____

☐ Contractor

☐ Other (Specify)

☐ Other (Specify)

2) Description of this commitment:

Issue annual 242-A FSAR Update to RL for review and approval. This revised document will incorporate all necessary changes and corrections to the original document, and will be written in compliance with DOE Order 5480.22.

(13) Description of what constitutes completion of the commitment:

WHC approved FSAR Document Update. Due December 29, 1995.

(14) Acceptance Criteria:

Submittal of update FSAR to DOE.

(15) MDS APPROVAL

(16) COMPLETION APPROVAL

Date milestone was completed

HC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A2-21

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

T21-98-800
Milestone Control No. ~~T2A-98-108~~
WBS Number: 1.01.01.02.01.02.0005

Revision/CIN: 0
Due Date: 9/30/98
ADS No: 1100

Title: DOUBLE-SHELL TANK SPACE
EVALUATION (M-46-00E)

Schedule ID:

Scheduler:

Milestone Level:

☒ TPA M-46-00E
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Description of what Constitutes Completion of the Commitment:

Acceptance Criteria:

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T2A-95-107
WBS Number 1.01.01.02.01.02.0005

Revision/CIN: 0
Due Date: 9/29/95
ADS No: 1100

Title: DOUBLE-SHELL TANK SPACE
EVALUATION (M-46-00B)

Schedule ID: N1F660H26

Scheduler:

Milestone Level:

☒ TPA M-46-00B
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

THIS ACTIVITY PREPARES THE OPERATIONAL WASTE VOLUME PROJECTION, REQUIRED PER TPA MILESTONE M-46-00B, FOR FISCAL YEAR 1995. THE OPERATION WASTE VOLUME PROJECTION WILL BE APPROVED IN ACCORDANCE WITH WHC POLICIES AND PROCEDURES.

Description of what Constitutes Completion of the Commitment:

THIS PROJECTION IDENTIFIES TANK SPACE NEEDS AND PROJECTED ADDITIONS.

Acceptance Criteria:

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T2A-95-170
WBS Number: 1.01.01.02.01.02.0005

Revision/CIN:
Due Date: 12/29/94
ADS No: 1100

Title: Complete Campaign 94-2 Support

Schedule ID: N1A170B02
Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
RCRA AND ANALYSIS

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

PROVIDE THE PROCESS AND SYSTEMS ENGINEERING SERVICES TO OPERATIONS AS NECESSARY TO COMPLETE 242-A EVAPORATOR CAMPAIGN 94-2, INCLUDING RCRA AND PROCESS CONTROL LABORATORY ANALYSIS.

Description of what Constitutes Completion of the Commitment:

CAMPAIGN COMPLETION WILL BE DOCUMENTED BY ISSUE OF AN ENGINEERING PROCESS MEMO PROVIDING DIRECTIONS TO OPERATIONS TO SECURE AND FLUSH THE FACILITY. DUE DATE DECEMBER 29, 1994.

Acceptance Criteria:

COMPLETION OF CAMPAIGN 94-2.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1

Milestone Control No T2A-95-172
WBS Number: 1.01.01.02.01.02.0005

Revision/CIN:
Due Date: 6/30/95
ADS No: 1100
Schedule ID: N1A170C04
Scheduler:

Title: Complete Pre-Campaign 95-1 Outage

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
ENGINEERING
AFFIDAVITS

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

PROVIDE THE PROCESS AND SYSTEMS ENGINEERING SUPPORT REQUIRED DURING THE 242-A EVAPORATOR MAINTENANCE OUTAGE NEEDED TO READY THE FACILITY FOR CAMPAIGN 95-1. SUCCESSFUL TASK COMPLETIONS WILL BE DOCUMENTED BY A TYPE 6 READINESS REVIEW. □

Description of what Constitutes Completion of the Commitment:

APPROVED AFFIDAVITS FOR ALL READINESS REVIEW ITEMS ASSIGNED TO ENGINEERING.
DUE DATE JUNE 30, 1995.

Acceptance Criteria:

ACCEPTANCE AND APPROVAL OF ENGINEERING AFFIDAVITS BY THE CAMPAIGN95-1 READINESS REVIEW BOARD.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T2A-95-174
WBS Number: 1.01.01.02.01.02.0005

Revision/CIN:
Due Date: 9/29/95
ADS No: 1100

Title: Complete Campaign 95-1 Support

Schedule ID: N1A170D02
Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
MEMO

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

PROVIDE THE PROCESS AND SYSTEMS ENGINEERING SERVICES TO OPERATIONS AS NECESSARY TO COMPLETE 242-A EVAPORATOR CAMPAIGN 95-1, INCLUDING RCRA AND PROCESS CONTROL LABORATORY ANALYSIS.

Description of what Constitutes Completion of the Commitment:

CAMPAIGN COMPLETION WILL BE DOCUMENTED BY ISSUE OF AN ENGINEERING PROCESS MEMO PROVIDING DIRECTIONS TO OPERATIONS TO SECURE AND FLUSH THE FACILITY. DUE DATE SEPTEMBER 29, 1995.

Acceptance Criteria:

COMPLETION OF CAMPAIGN 95-1.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No. T2A-95-180

Revision/CIN:

WBS Number: 1.01.01.02.01.06.0007-
02.0005

Due Date: 12/22/94

ADS No: 1100

Title: 242-A FSAR Upgrade Available to DOE

Schedule ID: N1A170P04

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
FSAR Update

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

ISSUE ANNUAL 242-A FSAR UPDATE TO DOE-RL FOR REVIEW AND APPROVAL. THIS REVISED DOCUMENT WILL INCORPORATE ALL NECESSARY CHANGES AND CORRECTIONS TO THE ORIGINAL DOCUMENT AND WILL BE WRITTEN IN COMPLIANCE WITH DOE ORDERS 5480.22 AND 5480.23.

Description of what Constitutes Completion of the Commitment:

WHC APPROVED FSAR DOCUMENT UPDATE. DUE DATE DECEMBER 22, 1994.

Acceptance Criteria:

SUBMITTAL OF UPDATED FSAR TO DOE-RL.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System

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Milestone Description Sheet

WHC-SP-1101
REV. 1

Milestone Control No T2A-95-234
WBS Number: 1.01.01.02.01.02.0007

Revision/CIN:
Due Date: 9/29/95
ADS No: 1100

Title: Decontaminate Surfaces and Downpost 241-
AN, -AY, -AZ, and -T Tank Farms to RCA
Status

Schedule ID: C330FM07

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

THE 241-AN, -AY, -AZ, AND T TANK FARMS WILL BE DECONTAMINATED, SURVEYED, AND DOWNPOSTED FROM SURFACE CONTAMINATION AREA (SCA) TO RADIOLOGICAL CONTROL AREA (RCA), ALLOWING WORK TO BE CONDUCTED WITH A LOWER LEVEL OF PERSONAL PROTECTIVE CLOTHING; THAT IS, "STREET CLOTHES," WITH PERSONAL SURVEY REQUIRED FOR EXIT.

Description of what Constitutes Completion of the Commitment:

A MILESTONE COMPLETION LETTER WILL BE DELIVERED TO DOE-RL TANK OPERATIONS OFFICE UPON COMPLETION OF MILESTONE.

Acceptance Criteria:

241-AN, -AY, -AZ, AND T TANK FARMS DOWNPOSTED TO RCA STATUS.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
Milestone Description Sheet**

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Milestone Control No T2A-95-235
WBS Number: 1.01.01.02.01.02.0007

Revision/CIN:
Due Date: 9/29/95
ADS No: 1100

Title: Cleanup 10 Surface Contamination Areas
Adjacent to Tank Farm Areas
(BX/BY/AX/C/U/S/SX/TC-4/154-B/151-ER)

Schedule ID: C330FM08

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

THIS EFFORT INVOLVES CLEANING UP 10 SMALL TO MEDIUM SIZED SURFACE CONTAMINATION AREAS OUTSIDE THE TANK FARM BOUNDARIES. SPECIFICALLY, THOSE INCLUDE SMALL SURFACE CONTAMINATION AREAS ADJACENT TO THE BX, BY, AX, C, AND U TANK FARMS, AND 3 ACRE SITE ADJACENT TO THE S/SX TANK FARMS, AS WELL AS THE SURFACE CONTAMINATION ASSOCIATED WITH THE 154-B, AND 151-ER DIVERSION BOXES, AND THE TC-4 RAILROAD SPUR. SURFACE CONTAMINATION AREAS WILL BE SURVEYED, CLEANED, AND CONTAMINATED SOILS WILL BE STABILIZED.

Description of what Constitutes Completion of the Commitment:

A MILESTONE COMPLETION LETTER WILL BE DELIVERED TO DOE-RL TANK OPERATIONS OFFICE UPON COMPLETION OF THE MILESTONE.

Acceptance Criteria:

TEN SMALL AREA WILL BE DOWNPOSTED TO "RADIOLOGICAL CONTROLLED AREA" OR "UNDERGROUND RADIOACTIVE MATERIAL" STATUS.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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Milestone Control No T2A-95-236
WBS Number: 1.01.01.02.01.02.0007

Revision/CIN:

Due Date: 4/30/95

ADS No: 1100

Title: Complete Cross-Site Transfer Line Surface
Area Contamination Zone Reduction and
Interim Stabilization

Schedule ID: C330FM03

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

THIS EFFORT WILL COMPLETE THE SURFACE DECONTAMINATION OF THE 600-AREA SECTION OF THE EAST-WEST CROSS-SITE TRANSFER LINE CORRIDOR. DECONTAMINATION OF THE 200-EAST AND 200-WEST SECTIONS, AS WELL AS A 0.75 MILE STRETCH OF THE 600-AREA SECTION WAS COMPLETED IN FY 1994. THE FY 1995 WORK INVOLVES THE REMAINDER OF THE CROSS-SITE LINE AS WELL AS APPROXIMATELY 5 ACRES AROUND THE VENT STATION AREA. CONTAMINATED SURFACE SOILS WILL BE REMOVED, STOCKPILED AND STABILIZED WITH 2 FEET OF CLEAN FILL. CLEAN AREAS WILL BE SURVEYED, DOWNPOSTED TO "UNDERGROUND RADIOACTIVE MATERIAL" STATUS AND RE-VEGETATED.

Description of what Constitutes Completion of the Commitment:

A MILESTONE COMPLETION LETTER WILL BE DELIVERED TO DOE-RL TANK OPERATIONS OFFICE UPON COMPLETION OF THE MILESTONE.

Acceptance Criteria:

CROSS-SITE TRANSFER LINE CORRIDOR AND VENT STATION AREA DOWNPOSTED TO "UNDERGROUND RADIOACTIVE MATERIAL" STATUS AND RE-VEGETATED.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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Milestone Control No T2A-95-238
WBS Number: 1.01.01.02.01.02.0007

Revision/CIN:
Due Date: 9/29/95
ADS No: 1100
Schedule ID: C330FM13

Title: Re-Seed & Vegetation Manage all
Decontaminated Areas

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

SURFACE AREAS DECONTAMINATED BY SCRAPING AND STOCKPILING/STABILIZING SOILS WILL BE RE-SEEDED WITH SHALLOW ROOTED GRASSES TO PREVENT SOIL EROSION AND INTRUSION OF DEEP-ROOTED VEGETATION. SPECIFIC AREAS INCLUDE THE A-40 RETENTION BASIN, A 5-ACRE SITE AROUND THE 244-A LIFT STATION, THE CROSS-SITE TRANSFER LINE CORRIDOR, AND SMALLER AREAS ASSOCIATED WITH FY 1995 SURFACE AREA CLEANUP, PARTICULARLY A 3-ACRE AREA EAST OF THE S/SX TANK FARMS.

Description of what Constitutes Completion of the Commitment:

A MILESTONE COMPLETION LETTER WILL BE DELIVERED TO DOE-RL TANK OPERATIONS OFFICE UPON COMPLETION OF THE MILESTONE.

Acceptance Criteria:

SURFACE DECONTAMINATION ARE RE-VEGETATED AND PLACED IN CONTINUING VEGETATION MANAGEMENT PROGRAM.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1

Milestone Control No T2A-95-240
WBS Number: 1.01.01.02.01.02.0007

Revision/CIN:
Due Date: 9/29/95
ADS No: 1100

Title: Maintain Tank Farm Surface Seal Integrity
with tall oil emulsion

Schedule ID: C330FM09

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

TANK FARM SURFACE AREAS SEALED WITH TALL OIL EMULSION (SURFACE SEALER) WILL BE MAINTAINED IN A SEALED STATUS BY RE-APPLICATION IN SELECTED AREAS, PARTICULARLY IN HIGH TRAFFIC AREAS. THIS ACTIVITY WILL ALSO INCLUDE INITIAL APPLICATION IN AREAS NOT PREVIOUSLY SEALED SUCH AS LOCATIONS ADJACENT TO THE S/SX FARMS, THE SY FARM, AND OTHER AREAS REQUIRING STABILIZATION OF WIND-BLOWN SURFACE CONTAMINATION. IN SOME AREAS, SHOTCRETE WILL BE USED IN CONJUNCTION WITH TALL OIL EMULSION.

Description of what Constitutes Completion of the Commitment:

A MILESTONE COMPLETION LETTER WILL BE DELIVERED TO DOE-RL TANK OPERATIONS OFFICE UPON COMPLETION OF THE MILESTONE.

Acceptance Criteria:

TALL OIL EMULSION WILL BE APPLIED IN DESIGNATED AREAS AS DEEMED NECESSARY AS A SURFACE SEALER TO PREVENT WINDORNE CONTAMINATION MIGRATION.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
Milestone Description Sheet

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Milestone Control No T2A-95-244
WBS Number: 1.01.01.02.01.02.0007

Revision/CIN:
Due Date: 9/29/95
ADS No: 1100

Title: Waste Minimization: Pollution prevention
opportunity assessments

Schedule ID: C330GM03

Scheduler:

Milestone Level:

- ☐ TPA
- ☐ DOE-HQ
- ☐ DOE-FO
- ☒ DOE-RL
- ☐ Contractor

Deliverables:

- ☐ Report
- ☐ Letter
- ☐ Drawing
- ☒ Other (Specify)

ENGINEERING
STUDIES

Addressed To:

- ☐ DOE-HQ
- ☒ DOE-RL
- ☐ Other (Specify)

Description of this Commitment:

ESTABLISH POLLUTION PREVENTION OPPORTUNITY ASSESSMENT (P20A) TERMS FROM DIFFERENT TWRS PLANT GROUPS. SET UP TRAINING FOR P20A TEAMS ON THE PROCEDURE AND DOCUMENTS USED FOR THE ACTUAL ASSESSMENTS. □ CONDUCT BRAINSTORMING SESSIONS WITH P20A TEAMS ON WASTE STREAMS THAT ARE GENERATED IN EAST AND WEST TANK FARMS OPERATIONS, 242-A EVAPORATOR OPERATIONS, WASTE TANK MAINTENANCE, TWRS HEALTH PHYSICS, WASTE SAMPLING, AND ENVIRONMENTAL WASTE OPERATIONS. SESSIONS WILL PRODUCE DATA THAT NEEDS TO BE RESEARCHED, PRIORITIZED, AND DOCUMENTED. □ COORDINATE AND ADMINISTER P20A TEAMS ON ASSESSMENTS THAT HAVE BEEN DETERMINED TO HAVE THE HIGHEST PRIORITIES AND DOCUMENT ACTIVITIES. □ PERFORM FEASIBILITY STUDIES ON ASSESSMENTS. THIS WORK WILL INCLUDE RESEARCH, DOCUMENTATION, CALCULATIONS, AND ANY OTHER ITEMS THAT MAY ARISE AS THE WORK PROCEEDS. □ DO FINANCIAL ANALYSIS ON ASSESSMENTS SUCH AS RETURN-ON-INVESTMENT CALCULATIONS, COST/BENEFIT ANALYSIS, TOTAL COST ASSESSMENTS OR WHATEVER MAY BE APPROPRIATE. THIS WORK WILL INCLUDE RESEARCH, DOCUMENTATION, AND ANY OTHER ITEMS THAT MAY ARISE AS THE WORK PROCEEDS. □ IMPLEMENT FINDINGS FROM ASSESSMENTS THAT HAVE MET FEASIBILITY STUDIES AND FINANCIAL ANALYSIS CRITERIA. WORK IN THIS AREA WILL INCLUDE LOOKING AND OBTAINING (WRITING AND TRACKING PROPOSALS) FUNDING FOR CAPITAL EXPENDITURES FROM DIFFERENT SOURCES. □ GETTING PROJECTS INTO MOTION WITHIN TANK FARMS BY DESIGNATING AN ENGINEER(S) AND/OR GROUP(S) THAT WILL HANDLE THE PROJECTS. ALL WORK WILL BE DOCUMENTED. □ TRACK PROGRESS OF DIFFERENT PROJECTS DERIVED FROM ASSESSMENTS. DOCUMENT FINAL RESULTS AND REPORT RESULTS TO FUNDING AGENCY. □ REPORT RESULTS OF ALL ASPECTS OF P20A AS TO OTHER WESTINGHOUSE HANFORD GROUPS, DEPARTMENT OF ENERGY GROUPS, AND WHOMEVER MAY REQUIRE SUCH INFORMATION. □ PROVIDE PUBLICITY AND RECOGNITION FOR SUCCESSES AND PEOPLE DOING THE WORK. □ PERFORMANCE OF A MINIMUM OF SEVEN (7) P20AS WILL CONTINUE COMPLETION OF THIS MILESTONE.

Description of what Constitutes Completion of the Commitment:

DOCUMENTED SEVEN (7) P20A RESULTS SHALL BE DELIVERED TO DOE-RL TANK OPERATIONS OFFICE.

Acceptance Criteria:

THE P20A RESULTS SHALL BE DOCUMENTED AS ENGINEERING STUDIES.

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Tank Waste Remediation System
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Milestone Control No T2A-95-244
WBS Number: 1.01.01.02.01.02.0007

Revision/CIN:
Due Date: 9/29/95
ADS No: 1100

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T2A-95-245
WBS Number: 1.01.01.02.01.02.0007

Revision/CIN:
Due Date: 9/29/95
ADS No: 1100
Schedule ID: C330JM12

Title: Conduct FY95 TWRS Plant Waste
Minimization/Pollution Prevention Activities

Scheduler:

Milestone Level:	Deliverables:	Addressed To:
☐ TPA	☒ Report	☐ DOE-HQ
☐ DOE-HQ	☐ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☒ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

WASTE MINIMIZATION/POLLUTION PREVENTION (WM/PP) ACTIVITIES INCLUDE: ☐ PRODUCT SUBSTITUTION AT TWRS PLANT THAT INCLUDES: 1) PHASE OUT AND REPLACEMENT OF CLASS II OZONE DEPLETING CHEMICALS, 2) REDUCE CONSUMPTION AND/OR REPLACEMENT OF LISTED CHEMICALS DEFINED IN THE EPCRA 33/50 PROGRAM, 3) REPLACEMENT OF OTHER HAZAROUS MATERIALS. ☐ IDENTIFICATION, TRACKING, AND DOCUMENTATION OF WM/PP ACTIVITIES AT TWRS PLANT FACILITIES. ☐ INTEGRATION OF SWITZ AND HMD2 DATABASES INTO TWRS PLANT WM/PP PROGRAM. ☐ INTERFACE WITH DOE-RL, DOE-HQ, WHC POLLUTION PREVENTION GROUP, OTHER WHC GROUPS, AND CONTRACTORS TO PLAN, DIRECT, TRACK, OR DOCUMENT WM/PP ACTIVITIES. ☐ DEVELOPMENT AND IMPLEMENTATION OF A WM/PP INCENTIVE PROGRAM FOR TWRS PLANT. ☐ DESIGN AND IMPLEMENTATION OF A WM/PP TRAINING COURSE FOR TWRS PLANT EMPLOYEES. ☐ FIRST REVISION OF WHC-SD-WM-EV-090, "WASTE TANK OPERATIONS WASTE MINIMIZATION/POLLUTION PREVENTION PLAN." ☐ ISSUANCE OF REQUIRED WM/PP REPORTS. ☐ COMPLETION OF THE MILESTONES SHALL BE CONSTITUTED BY RECEIPT OF ALL DELIVERABLE REPORTS BY DOE-RL TANK OPERATIONS OFFICE.

Description of what Constitutes Completion of the Commitment:

THE FOLLOWING REPORTS ARE THE DELIVERABLES ASSOCIATED WITH THIS MILESTONE. ☐ 1. ISSUE 4TH QUARTER FY 1994 WASTE MINIMIZATION/POLLUTION PREVENTION REPORT - DUE 10/15/94. ☐ 2. ISSUE CY 1994 WASTE MINIMIZATION/POLLUTION PREVENTION ACCOMPLISHMENTS REPORT - DUE 1/30/95. ☐ 3. ISSUE 1995 WASTE MINIMIZATION/POLLUTION PREVENTION GOALS REPORT - DUE 1/30/95. ☐ 4. ISSUE 1ST QUARTER FY 1995 WASTE MINIMIZATION/POLLUTION PREVENTION REPORT - DUE 1/13/95. ☐ 5. ISSUE CY 1994 WASTE MINIMIZATION CERTIFICATION REQUIRED BY 1994 WASHINGTON DANGEROUS WASTE REPORT - DUE 2/15/95. ☐ 6. ISSUE 2ND QUARTER FY 1995 WASTE MINIMIZATION/POLLUTION PREVENTION REPORT - DUE 4/14/95. ☐ 7. ISSUE 3RD QUARTER FY 1995 WASTE MINIMIZATION/POLLUTION PREVENTION REPORT - DUE 7/14/95.

Acceptance Criteria:

ACCEPTANCE OF MILESTONE COMPLETION SHALL BE MADE UPON RECEIPT OF ALL DELIVERABLE REPORTS BY DOE-RL TANK OPERATIONS OFFICE.

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Tank Waste Remediation System
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Milestone Control No T2A-95-245
WBS Number: 1.01.01.02.01.02.0007

Revision/CIN:
Due Date: 9/29/95
ADS No: 1100

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T2A-95-246
WBS Number: 1.01.01.02.01.02.0007

Revision/CIN:
Due Date: 8/31/95
ADS No: 1100
Schedule ID: C330MM01

Title: Inventory of Used, Stored, Contaminated
Equipment within Tank Farm Ancillary Units

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

THE INVENTORY IS THE SECOND IN A SERIES OF ACTIVITIES TO REMOVE AND PROPERLY HANDLE USED, CONTAMINATED EQUIPMENT WITHIN TANK FARM ANCILLARY UNITS, SUCH AS DIVERSION BOXES, DOUBLE-CONTAINED RECEIVER TANK (DCRT) VAULTS, PROCESS PITS, ETC. AN INVENTORY OF ABOVE-GROUND CONTAMINATED EQUIPMENT WAS SUCCESSFULLY CONDUCTED IN FY 1994. THE EQUIPMENT, IF DETERMINED TO BE NOT REUSABLE, MAY BE DANGEROUS WASTE (DW) THROUGH CONTACT WITH TANK WASTE. SHOULD THAT BE THE CASE, IMPROPER STORAGE OF DW MAY BE PRESENTLY OCCURRING. THE WORK ACTIVITIES INCLUDE: PREPARATION OF WORKPLANS, PROCEDURES, AND SAFETY DOCUMENTATION; RESEARCH OF EXISTING RESEARCH OF PROCESS DATA FOR CATEGORIZATION AND CHARACTERIZATION OF POTENTIALLY CONTAMINATED EQUIPMENT; DEVELOPMENT OF A STORED/ABANDONED EQUIPMENT DATABASE. THE INVENTORY WILL BE CONDUCTED THROUGH THE USE OF EXISTING PLANT KNOWLEDGE, REMOTE PHOTOGRAPHY, OR PHYSICAL INSPECTION. CERTAIN UNIT INVENTORIES WILL BE CONDUCTED IN CONJUNCTION WITH OTHER PLANNED OPERATIONAL AND ENGINEERING INTRUSIONS INTO ANCILLARY UNITS, THEREBY REDUCING THE OVERALL COST. □□ COMPLETION: AN EXHAUSTIVE INVENTORY WILL BE CONDUCTED TO ASSIST IN PLANNING FOR REMOVAL, DECONTAMINATION AND/OR DISPOSAL OF THE EQUIPMENT. A REPORT OF RESULTS WILL BE PREPARED AND DEVELOPED FOR USE AS A TOOL TO: HELP DETERMINE IF THE EQUIPMENT IS REUSABLE, RECYCLABLE, AMENABLE TO DECONTAMINATION, OR IF IT IS WASTE; AND TO ASSIST IN DECISIONS REGARDING RETRIEVAL, CHARACTERIZATION, AND DISPOSAL.

Description of what Constitutes Completion of the Commitment:

THE DELIVERABLE TO DOE-RL SHALL BE A DOCUMENTED REPORT OF THE RESULTS OF THE ANCILLARY UNIT EQUIPMENT STORAGE INVENTORY.

Acceptance Criteria:

DOE-RL TANK OPERATIONS OFFICE SHALL ACCEPT A REPORT DETAILING THE RESULTS OF THE ANCILLARY UNIT EQUIPMENT STORAGE INVENTORY AS COMPLETION OF THIS MILESTONE.

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Tank Waste Remediation System
Milestone Description Sheet

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Milestone Control No T2A-95-246
WBS Number: 1.01.01.02.01.02.0007

Revision/CIN:
Due Date: 8/31/95
ADS No: 1100

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REV. 1

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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REV. 1

Milestone Control No T2A-95-247

WBS Number 1.01.01.02.01.2.7

Revision/CIN:

Due Date: 9/29/95

ADS No: 1100

Title: TWRS Plant S/RIDS Environmental Self-
Assessment

Schedule ID: C330DM05

Scheduler:

Milestone Level:

- ☐ TPA
- ☐ DOE-HQ
- ☐ DOE-FO
- ☒ DOE-RL
- ☐ Contractor

Deliverables

- ☐ Report
- ☐ Letter
- ☐ Drawing
- ☐ Other (Specify)

Addressed To:

- ☐ DOE-HQ
- ☐ DOE-RL
- ☐ Other (Specify)

Description of this Commitment:

A CONTINUING (I.E., ON-GOING) SELF-ASSESSMENT PROGRAM WILL BE DEVELOPED AND IMPLEMENTED. THE PROGRAM WILL CONDUCT MULTI-MEDIA COMPLIANCE ASSESSMENTS THROUGH APPLICATION OF VARIOUS TOOLS INCLUDING, BUT NOT LIMITED TO, AUDITS OF DOCUMENTS, PHYSICAL EXAMINATION OF OPERATING FACILITIES AND SURVEILLANCES OF OPERATING ACTIVITIES. THE FOCUS OF THE ASSESSMENTS WILL BE TO EVALUATE COMPLIANCE WITH FEDERAL AND STATE REGULATORY REQUIREMENTS APPLICABLE TO AIR EMISSIONS, LIQUID EFFLUENTS, WASTE GENERATION, AND DANGEROUS WASTE TREATMENT, STORAGE, AND DISPOSAL ACTIVITIES. IN ADDITION TO IDENTIFYING DEFICIENCIES, THE PROGRAM WILL RECOMMEND APPROPRIATE CORRECTIVE ACTIONS, ASSIGN ROOT CAUSES, SUGGEST CORRECTIVE ACTION SCHEDULES, AND GENERALLY TRACK THE CORRECTIVE ACTION PROCESS. A MINIMUM OF FOUR (4) ASSESSMENTS OF TANK FARMS OPERATING FACILITIES WILL BE CONDUCTED IN FY 1995. QUARTERLY STATUS REPORTS OF DEFICIENCIES AND ROOT CAUSES, ALONG WITH ANALYSIS OF CORRECTIVE ACTIONS WILL BE DELIVERED TO THE DOE-RL TANK OPERATIONS OFFICE AFTER IMPLEMENTATION OF THE PROGRAM.

Description of what Constitutes Completion of the Commitment:

THREE QUARTERLY STATUS REPORTS AS IDENTIFIED ABOVE, WILL BE DELIVERED TO DOE-RL TANK OPERATIONS OFFICE DURING FY 1995 AFTER IMPLEMENTATION OF THE PROGRAM. THESE REPORTS SHALL BE DELIVERED BY THE FOLLOWING DATES: ☐1/30/95 ☐4/28/95 ☐7/31/95

Acceptance Criteria:

AS COMPLETION OF THIS MILESTONE, DOE-RL SHALL ACCEPT DELIVERY OF THREE QUARTERLY STATUS REPORTS THAT INCLUDE DEFICIENCIES IDENTIFIED, ROOT CAUSES ASSIGNED, CORRECTIVE ACTION RECOMMENDED, AND STATUS OF ACTUAL CORRECTIVE ACTIONS UNDERTAKEN IN RESPONSE TO THE MINIMUM OF FOUR (4) ASSESSMENTS PERFORMED DURING FY 1995.

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Tank Waste Remediation System
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Milestone Control No T2A-95-247
WBS Number 1.01.01.02.01

Revision/CIN:
Due Date: 9/29/95
ADS No: 1100

MDS APPROVAL

COMPLETION APPROVAL .

Date Milestone Was Completed .

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1

Milestone Control No T2A-96-104
WBS Number: 1.01.01.02.01.02.0005

Revision/CIN: 0
Due Date: 9/30/96
ADS No: 1100

Title: DOUBLE-SHELL TANK SPACE
EVALUATION (M-46-00C)

Schedule ID: N1F660H626

Scheduler:

Milestone Level:

☒ TPA M-46-00C
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

THIS ACTIVITY PREPARE THE OPERATIONAL WASTE VOLUME PROJECTION, REQUIRED PER TPA MILESTONE M-46-00C, FOR FISCAL YEAR 1996. THE OPERATION WASTE VOLUME PROJECTION WILL BE APPROVED IN ACCORDANCE WITH WHC POLICIES AND PROCEDURES.

Description of what Constitutes Completion of the Commitment:

THIS PROJECT IDENTIFIES TANK SPACE NEEDS AND PROJECTED ADDITIONS.

Acceptance Criteria:

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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Milestone Control No T2A-97-106
WBS Number: 1.01.01.02.01.02.0005

Revision/CIN: 0
Due Date: 9/30/97
ADS No: 1100
Schedule ID: N1F660H726

Title: DOUBLE-SHELL TANK SPACE
EVALUATION (M-46-00D)

Scheduler:

Milestone Level:

☒ TPA M-46-00D
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

THIS ACTIVITY PREPARE THE OPERATIONAL WASTE VOLUME PROJECTION, REQUIRED PER TPA MILESTONE M-46-00D, FOR FISCAL YEAR 1997. THE OPERATION WASTE VOLUME PROJECTION WILL BE APPROVED IN ACCORDANCE WITH WHC POLICIES AND PROCEDURES.

Description of what Constitutes Completion of the Commitment:

THIS PROJECTION IDENTIFIES TANK SPACE NEEDS AND PROJECTED ADDITIONS.

Acceptance Criteria:

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

WESTINGHOUSE HANFORD COMPANY
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1.1.1.2.01.03 Transition 200E to Ctrd/Clean/Stab

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.01.03.07	T2A-95-316 COMP RMVL OF PUMPABLE LIQ FROM 6 SSTs	DOE-HQ T21-95-316		30NOV95
1.1.1.2.01.03.03	COMPL IMPL 10CFR835	DOE-RL T21-96-002		29DEC95
1.1.1.2.01.03.03	COMPL OTP ON 107-AN CAUSTIC ADDITION	DOE-RL T21-96-003		01DEC95
1.1.1.2.01.03.03	COMPL OTP ON W-151	DOE-RL T21-96-004		31JUL96
1.1.1.2.01.03.01	ROUGH DRAFT FY97 BUDGET FORECAST	DOE-RL T21-96-007		31MAY96
1.1.1.2.01.03.01	QUARTERLY STATUS REPTS COMPL	DOE-RL T21-96-008		30SEP96
1.1.1.2.01.03.02	PREDICTIVE MAINTENANCE TECHNIQUES	DOE-RL T21-96-009		30SEP96
1.1.1.2.01.03.01	DEVELOPMENT OF HAZ COM PROGRAM	DOE-RL T21-96-010		10NOV95
1.1.1.2.01.03.02	COMPL SYS OUTAGE 241AY ANNULUS TURNOV TO OPS	DOE-RL T21-96-011		23FEB96
1.1.1.2.01.03.02	REDUCE CM BACKLOG BY 10%	DOE-RL T21-96-012		30SEP96
1.1.1.2.01.03.02	PLAN OPTIMIZATION PLAN REBASELINE OF PMs	DOE-RL T21-96-013		29MAR96
1.1.1.2.01.03.02	PLANN & PERFORM PREVENTITIVE MAINT	DOE-RL T21-96-014		30SEP96
1.1.1.2.01.03.02	DRAWING VERIFICATION & LABELING	DOE-RL T21-96-015		30SEP96
1.1.1.2.01.03.06	REMOVE WFIE CABINETS (5) 241-BX TANK FARM	DOE-RL T21-96-113		30APR96

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WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

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1.1.1.2.01.03 Transition 200E to Ctrd/Clean/Stab

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.01.03.06	DEVELOP DRWGS AND PERFORM LABELING 241-BX FARM	DOE-RL T21-96-117		30APR96
1.1.1.2.01.03.06	COMP. INST. OF ENRAFS IN BX FARM/200 EAST AREA	DOE-RL T21-96-118		28JUN96
1.1.1.2.01.03.22	DST Corrosion Monitoring Trade Study Complete	DOE-RL T21-96-217		28DEC95
1.1.1.2.01.03.22	Prototype Corrosion Probe Rpt Complete	DOE-RL T21-96-218		29MAR96
1.1.1.2.01.03.22	DST Corrosion Monitoring - 1st Tank Complete	DOE-RL T21-96-219		27SEP96
1.1.1.2.01.03.22	Cathodic Protection Sys Complete	DOE-RL T21-96-220		30SEP96
1.1.1.2.01.03.22	Useful Life Estimate for DST's Complete	DOE-RL T21-96-223		28JUN96
1.1.1.2.01.03.22	Life Mgt Prg Plan revision Complete	DOE-RL T21-96-224		30APR96
1.1.1.2.01.03.25	W-430 Construction Complete	DOE-RL T21-96-240		29DEC95
1.1.1.2.01.03.25	W-430, Cathodic Protection, Project Completion	DOE-RL T21-96-241		23JAN96
1.1.1.2.01.03.17	Implement ACs & IOSRs Assoc. w/ASA IOSRs	DOE-RL T21-96-274	29DEC95	
1.1.1.2.01.03.27	W-030 FP CONSTRUCTION COMPL (T21-96-275) FY96	DOE-RL T21-96-275		29DEC95
1.1.1.2.01.03.26	Determine Dsg/Const Milestones from Dsg Conf Bas	DOE-RL T21-96-280		30APR96
1.1.1.2.01.03.26	Provide Dsg Conf Base (DCBL) to WDOE & DOH	DOE-RL T21-96-282		29MAY96

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WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

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1.1.1.2.01.03 Transition 200E to Ctrd/Clean/Stab

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.01.03.26	Conduct System Requirements Review (SRR)	DOE-RL T21-96-284		15DEC95
1.1.1.2.01.03.27	W-030 CF CONSTR COMPL - OAC I (T21-96-292) FY96	DOE-RL T21-96-292		31JAN96
1.1.1.2.01.03.27	W-030 BEGIN HOT TIE INS (T21-96-294) FY96	DOE-RL T21-96-294		14JUN96
1.1.1.2.01.03.20	Submit Assessment Report Showing Compl w/Intent	DOE-RL T21-96-601		29DEC95
1.1.1.2.01.03.20	Submit Training Program Accreditation Plan (TPAP)	DOE-RL T21-96-602		01JUL96
1.1.1.2.01.03.20	Submit ISER Rpt Identf Findings to Obt Accreditation	DOE-RL T21-96-603		01APR96
1.1.1.2.01.03.16	IOSR Implementation	DOE-RL T21-96-610		29MAR96
1.1.1.2.01.03.16	OSD Revisions	DOE-RL T21-96-611		30SEP96
1.1.1.2.01.03.15	Issue 30-Year Solid Waste Forecast for TWRS	DOE-RL T21-96-622		31JUL96
1.1.1.2.01.03.15	Dev Draft Plan for Free Rel of Debris -LLW Strm	DOE-RL T21-96-625		16FEB96
1.1.1.2.01.03.15	Compl Removal of Above Grnd Invent - Cont Equipm	DOE-RL T21-96-629		28JUN96
1.1.1.2.01.03.15	Iss Qrtly Rpt to RL-Vol Red, Samples, LLCE	DOE-RL T21-96-630		15JAN96
1.1.1.2.01.03.15	Iss Qrtly Rpt to RL-Vol Red, Samples, LLCE	DOE-RL T21-96-631		15APR96
1.1.1.2.01.03.15	Iss Qrtly Rpt to RL-Vol Red, Samples, LLCE	DOE-RL T21-96-632		15JUL96

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WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

PAGE NO. 10

1.1.1.2.01.03 Transition 200E to Ctrd/Clean/Stab

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.01.03.15	Iss Qrtly Rpt to RL-Vol Red, Samples, LLCE	DOE-RL T21-96-633		30SEP96
1.1.1.2.01.03.15	Iss Qrtly Rpt to RL-Vol Red, Samples, LLCE	DOE-RL T21-96-634		31MAY96
1.1.1.2.01.03.06	COMP. INT. PREV OF SST IN 241-BX-106,241-BX-111	DOE-RL T21-97-112		29AUG97
1.1.1.2.01.03.27	W-030 COMPLETE FOUR C's (T21-96-275)	DOE-RL T21-97-290		30MAY97
1.1.1.2.01.03.27	W-030 COMPLETION OF OAC III (T21-97-291)	DOE-RL T21-97-291		31JAN97
1.1.1.2.01.03.09	M-41-00 COMPLETE SST INTERIM STABILIZATION	TPA-M T2A-00-103		29SEP00
1.1.1.2.01.03.07	M-41-01-T02 COMP IS BY-102,109 & C-102,107,110	TPA-T T2A-95-101		30NOV95
1.1.1.2.01.03.13	DST Integ Assessmts - UT Equipmt Performance Tst	DOE-RL T2A-95-112		28APR95
1.1.1.2.01.03.13	DST Integ Assessmts - DST UT Inspection	DOE-RL T2A-95-113		29SEP95
1.1.1.2.01.03.02	DEVELOP 3 YR MAINTENANCE IMPLEMENTATION PLAN	DOE-RL T2A-95-123		29SEP95
1.1.1.2.01.03.09	T2A-95-130 COMP. PARTIAL IS OF 2 FG WLT IN A-AX	DOE-RL T2A-95-130		29SEP95
1.1.1.2.01.03.04	COMPLETE IN TANK PHOTOS/PIT INVENTORIES REQMTS	DOE-RL T2A-95-134		29SEP95
1.1.1.2.01.03.07	T2A-95-322 BY-102 PUMPING COMPLETE	DOE-RL T2A-95-322		31JUL95
1.1.1.2.01.03.10	T2A-95-323 C-102 PUMPING COMPLETE	DOE-RL T2A-95-323		29SEP95

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Controlled Milestones

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1.1.1.2.01.03 Transition 200E to Ctrd/Clean/Stab

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.01.03.10	T2A-95-324 C-107 PUMPING COMPLETE	DOE-RL T2A-95-324		31AUG95
1.1.1.2.01.03.10	T2A-95-325 C-110 PUMPING COMPLETE	DOE-RL T2A-95-325		31MAY95
1.1.1.2.01.03.09	M-41-10 START IS OF 1 FG WLT IN AX FARM	TPA-I T2A-96-102	30APR96	
1.1.1.2.01.03.10	COMPLETE INTRUSION PREVENTION IN 9 SST'S	DOE-RL T2A-96-114		30SEP97
1.1.1.2.01.03.10	INSTALL LOW'S IN 27 SINGLE SHELL TANKS	DOE-RL T2A-96-120		30SEP97
1.1.1.2.01.03.07	M-41-12 START IS OF 3 FeCN TANKS IN BY FARM	TPA-I T2A-97-102	19OCT95	
1.1.1.2.01.03.10	COMPLETE INTRUSION PREVENTION IN 4 SST'S	DOE-RL T2A-97-112		30SEP97
1.1.1.2.01.03.10	INSTALL LOW'S IN 15 SST'S	DOE-RL T2A-97-114		30SEP97
1.1.1.2.01.03.07	M-41-12-T01 COMPL IS 4 FeCN TANKS IN BX/BY FARM	TPA-T T2A-98-100		31DEC97
1.1.1.2.01.03.10	M-41-19 START IS ON 1 ORG TANK IN 241-C	TPA-I T2A-98-107	30SEP98	
1.1.1.2.01.03.09	M-41-10-T01 COMPL IS OF 1 FLM. GAS WLT IN AX	TPA-T T2A-99-100		31DEC98
1.1.1.2.01.03.10	M-41-19-T1 COMP. IS OF 1 ORG TNK IN 241-C	TPA-T T2A-99-103		31MAR99
1.1.1.2.01.03.26	M-43-05-T09 Initiate Construction (W-314c)	TPA-T T2C-00-100		31MAR00
1.1.1.2.01.03.26	M-43-02B Construction Complete (W-314b)	TPA-I T2C-01-100		01OCT02

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WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

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1.1.1.2.01.03 Transition 200E to Ctrd/Clean/Stab

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.01.03.26	M-43-04C Construction Complete (W-314a)	TPA-I T2C-01-101		03JAN02
1.1.1.2.01.03.26	M-43-05-T08 Definitive Design Complete (W-314c)	TPA-T T2C-01-102		30NOV00
1.1.1.2.01.03.26	M-43-06-T09 Start Construction (W-314d)	TPA-T T2C-01-103	02APR01	
1.1.1.2.01.03.26	M-43-02C Operation (W-314b)	TPA-I T2C-02-100		31MAR03
1.1.1.2.01.03.26	M-43-04 Proj W-314a TF Int Inst Sys Upg Complete	TPA-I T2C-02-101		02JUL02
1.1.1.2.01.03.26	M-43-04D Operation (W-314a)	TPA-I T2C-02-102		02JUL02
1.1.1.2.01.03.26	M-43-02 Proj W-314b DST Ventilation Complete	TPA-I T2C-02-103		31MAR03
1.1.1.2.01.03.26	M-43-06-T08 Complete Definitive Design (W-314d)	TPA-T T2C-02-104		29OCT01
1.1.1.2.01.03.26	M-43-05 Project W-314c Transfer Sys Upg Complete	TPA-I T2C-04-100		30JUN04
1.1.1.2.01.03.26	M-43-05B Construction Complete (W-314c)	TPA-I T2C-04-101		31DEC03
1.1.1.2.01.03.26	M-43-05C Operation Of Proj W-314c	TPA-I T2C-04-102		01JUN04
1.1.1.2.01.03.26	M-43-06 Proj W-341d Tank Farm Elect Upg Complete	TPA-I T2C-05-101		30JUN05
1.1.1.2.01.03.26	M-43-06B Complete Construction (W-314d)	TPA-I T2C-05-102		31DEC04
1.1.1.2.01.03.26	M-43-06C Start Operation (W-314d)	TPA-I T2C-05-103		30JUN05

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WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

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1.1.1.2.01.03 Transition 200E to Ctrd/Clean/Stab

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.01.03.26	M-43-04A WDOE CDR W-314A	TPA-I T2C-95-015		31MAY95
1.1.1.2.01.03.26	M-43-02-T06 Receive DOE-HQ Validation W-314B	TPA-T T2C-95-101		30JUN95
1.1.1.2.01.03.26	M-43-02A WDOE CDR W-314B	TPA-I T2C-95-102		31MAY95
1.1.1.2.01.03.26	M-43-04-T05: Receive DOE-HQ Proj Validation 314A	TPA-T T2C-95-104		30JUN95
1.1.1.2.01.03.26	M-43-05-T02 Provide WDOE F&R For Proj W-314C	TPA-T T2C-95-107		28APR95
1.1.1.2.01.03.23	FINAL DSN CMPT: PLATFORMS/ADAPTORS/BAGGING SYS	DOE-RL T2C-95-118		14JUL95
1.1.1.2.01.03.22	DST Qual Life Ext: Eng Design of CP Upg Cmpl't	DOE-RL T2C-95-405		28APR95
1.1.1.2.01.03.21	Establish Farm By Farm Priority For W-314 Upg	DOE-RL T2C-95-500		28FEB95
1.1.1.2.01.03.26	W-314: Apprv A-E/CM Contrct ACD/Title I Design	DOE-RL T2C-95-501		03SEP96
1.1.1.2.01.03.26	W-314: Issue W-314 Proj Plan To RL For Approval	DOE-RL T2C-95-502		28JUN96
1.1.1.2.01.03.26	W-314: Issue W-314 Project Mgt Plan To RL	DOE-RL T2C-95-503		16SEP96
1.1.1.2.01.03.21	Farm-By-Farm Priority for Mat Conditions Imprvts	DOE-RL T2C-95-508		30AUG95
1.1.1.2.01.03.26	W-314: Submit Validation Package to RL	DOE-RL T2C-95-509		31MAY95
1.1.1.2.01.03.26	W-314: Issue QAPP To RL For Approval	DOE-RL T2C-95-510	31MAY96	

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WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

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1.1.1.2.01.03 Transition 200E to Ctrd/Clean/Stab

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.01.03.26	W-314: Approve Key Decision #0 For Proj W-314	DOE-HQ T2C-95-516	01FEB95	
1.1.1.2.01.03.23	XFER PUMP: Final Design Complete	DOE-RL T2C-95-600		16MAY95
1.1.1.2.01.03.26	M-43-04-T06, Start Def Dsg For W-314A TF Instr Up	TPA-T T2C-96-101	31JAN96	
1.1.1.2.01.03.26	M-43-05-T06, Receive DOE-HQ Validation W-314C	TPA-T T2C-96-103		28JUN96
1.1.1.2.01.03.26	M-43-05A Provide WDOE CDR W-314C	TPA-I T2C-96-104		29MAY96
1.1.1.2.01.03.26	M-43-06-T01 Provide WDOE ES/Scope For Proj W314D	TPA-T T2C-96-105		28FEB96
1.1.1.2.01.03.26	M-43-06-T02 Provide WDOE F&R For Proj W-314D	TPA-T T2C-96-106		30APR96
1.1.1.2.01.03.26	M-43-06-T03, Prov WDOE SOW For W-314D	TPA-T T2C-96-107		28JUN96
1.1.1.2.01.03.27	W-030, Begin Hot Tie Ins	DOE-RL T2C-96-294		14JUN96
1.1.1.2.01.03.26	W-314: Approve KD#1	DOE-HQ T2C-96-511	02DEC96	
1.1.1.2.01.03.27	M-43-01, "PROJECT COMPLETE" FOR W-030	TPA-I T2C-97-100		31DEC96
1.1.1.2.01.03.27	M-43-01B, COMPLETE CONSTRUCTION FOR W-030	TPA-I T2C-97-101		31OCT96
1.1.1.2.01.03.27	M-43-01C, "BEGIN OPERATION" FOR W-030	TPA-I T2C-97-102		31DEC96
1.1.1.2.01.03.26	M-43-02-T07 Start Definitive Design W-314B	TPA-T T2C-97-103		28OCT97

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WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

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1.1.1.2.01.03 Transition 200E to Ctrd/Clean/Stab

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.01.03.26	M-43-03 W-230: SST VENTILATION UPG NEEDS ASSESS	TPA-I T2C-97-104		31MAR97
1.1.1.2.01.03.26	M-43-06-T06, Receive DOE-HQ Validation W-314D	TPA-T T2C-97-106		30JUN97
1.1.1.2.01.03.26	M-43-06A Provide WDOE CDR W-314D	TPA-I T2C-97-107		30MAY97
1.1.1.2.01.03.26	W-314: Approve KD #2 For Project W-314	DOE-HQ T2C-97-512	31DEC97	
1.1.1.2.01.03.26	M-43-05-T07 Initiate Definitive Design (W-314c)	TPA-T T2C-98-102	30JAN98	
1.1.1.2.01.03.26	M-43-02-T08 Definitive Design Complete (W-314b)	TPA-T T2C-99-101		29OCT99
1.1.1.2.01.03.26	M-43-02-T09 Start Construction (W-314b)	TPA-T T2C-99-102	31DEC99	
1.1.1.2.01.03.26	M-43-04-T07 Complete Definitive Design (W-314a)	TPA-T T2C-99-103		30NOV98
1.1.1.2.01.03.26	M-43-04-T08 Start Construction (W-314a)	TPA-T T2C-99-104		31DEC98
1.1.1.2.01.03.26	M-43-04B Provide L3 Schedule -TF Int Inst Sys U	TPA-I T2C-99-105		31DEC98
1.1.1.2.01.03.26	M-43-06-T07 Start Definitive Design (W-314d)	TPA-T T2C-99-106	29JAN99	
1.1.1.2.01.03.02	REPAIR MALFUNCTIONING EXHAUSTERS	DOE-RL TW1-94-483		18APR94

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Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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Milestone Control No ^{T21} T2A-95-316
WBS Number 1.01.01.02.01.03.0007

Revision/CIN: 1 TWR-95-047

Due Date: 11/30/95

ADS No: 1100

Title: COMPLETE REMOVAL OF PUMPABLE
LIQUIDS FROM SIX OF 43 SST'S (SI 5B)

Schedule ID: NIE510A011

Scheduler:

Milestone Level:

☐ TPA
☒ DOE-HQ
☐ DOE-FO 5B
☐ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

THIS TASK INVOLVES THE COMPLETION OF ALL PHYSICAL ACTIVITIES AND COMPREHENSIVE REVIEWS REQUIRED TO START, AND THEN COMMENCE INTERIM STABILIZATION AND/OR EMERGENCY PUMPING FOR SIX SINGLE-SHELL TANKS (SST). THIS INCLUDES THE TESTING AND FLUSHING OF TRANSFER ROUTES FROM THE SSTS TO BE INTERIM STABILIZED TO THE DOUBLE-CONTAINED RECEIVER TANKS (DCRTS). IT INVOLVES THE DEVELOPMENT OF PROCEDURES AND WORK PLANS, TRAINING, AND READINESS REVIEWS ARE REQUIRED FOR EACH TANK TO BE PUMPED. THE TASK ALSO REQUIRES THE INSTALLATION AND CHECK OUT OF THE SALTWELL PUMP AND THE INSTRUMENT CONTROL SYSTEM. THE MILESTONE WILL BE COMPLETE WHEN AS MUCH LIQUID AS PRACTICABLE IS REMOVED FROM SSTS 241-BX-111, 241-BY-102, 241-BY-109, 241-C-102, 241-C-107, AND 241-C-110. □□INTERIM MILESTONES: □□COMPLETE EMERGENCY PUMPING OF TANK 241-BX-111, 5/31/95 □□COMPLETE PUMPING OF TANK 241-BY-102 7/31/95 □□COMPLETE PUMPING OF TANK 241-BY-109 11/30/95 □□COMPLETE PUMPING OF TANK 241-C-102 9/30/95 □□COMPLETE PUMPING OF TANK 241-C-107 8/31/95 □□COMPLETE PUMPING OF TANK 241-C-110 5/31/95

Description of what Constitutes Completion of the Commitment:

NOTIFY DOE-RL THAT THE SIX SSTS HAVE BEEN PUMPED AND MEET THE INTERIM STABILIZATION CRITERIA FOR COMPLETION OF PUMPING. A LETTER WILL BE SENT TO RL AFTER CONFIRMING THAT THE INTERIM STABILIZATION AS DEFINED IN THE HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER HAS BEEN COMPLETED.

Acceptance Criteria:

INTERIM STABILIZATION CRITERIA FOR REMOVAL OF PUMPABLE LIQUID FROM AN SST IS DEFINED AS OCCURRING WHEN THE PUMPING RATE DROPS TO 0.05 GALLONS PER MINUTES AND THE REMAINING LIQUID DOES NOT CONTAIN GREATER THAN 50,000 GALLONS OF INTERSTITIAL LIQUID OR 5,000 GALLONS OF SUPERNATANT.

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Tank Waste Remediation System
Milestone Description Sheet

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Milestone Control No ^{T21} ~~T2A~~-95-316
WBS Number 1.01.01.02.01.03.0007

Revision/CIN: 1 TWR-95-047 REV. 1
Due Date: 11/30/95
ADS No: 1100

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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Milestone Control No. T21-96-002
WBS Number: 1.01.01.02.01.03.0003

Revision/CIN: 0
Due Date: 12/31/95
ADS No: 1100-00-NF

Schedule ID: N1F63D605

Title: COMPLETE IMPLEMENTATION OF
10CFR835 (CODE AND FEDERAL
REGULATION ON OCCUPATIONAL
RADIATION PROTECTION)

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Perform field verification of all radiological control requirements as defined in the Radiological Protection Plan, which includes self assessments, followup assessments and full compliance with 10CFR835 (Code of Federal Regulation on Occupational Radiation Protection).

Description of what Constitutes Completion of the Commitment:

Deliverables: Self assessment - 10/31/95; Followup assessment - 11/30/95; Full Compliance - 12/31/95

Acceptance Criteria:

Implementation documentation for 10CFR835 compliance is in place in an auditable manner.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T21-96-003
WBS Number: 1.01.01.02.01.03.0003

Revision/CIN: 0
Due Date: ~~7/31/96~~ 12/1/95
ADS No: 1100-00-NF

Title: OPERATIONAL TEST PROCEDURES
(OTP) SUPPORT (107-AN)

Schedule ID: N1F63E603

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Integrated
Schedule

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

This task provides funding for the necessary resources required to perform "Operational Test Procedure" (OTP) for (1) projects being turned over to Operations.

Description of what Constitutes Completion of the Commitment:

Deliverables: Complete OTP on 107-AN Caustic Addition - December 1, 1995

Acceptance Criteria:

Verify and complete the Acceptance Standards identified in the test procedure(s)

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T21-96-004
WBS Number: 1.01.01.02.01.03.0003

Revision/CIN: 0
Due Date: 7/31/96
ADS No: 1100

Title: OPERATIONAL TEST PROCEDURES
SUPPORT (W-151)

Schedule ID: N1F63E605

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
INTEGRATED
SCHEDULE

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

This task provides funding for the necessary resources required to perform "Operational Test Procedures" for one project being turned over to Operations.

Description of what Constitutes Completion of the Commitment:

Complete Operational Test Procedures on W-151 Waste Retrieval. (July 31, 1996)

Acceptance Criteria:

Verify and complete the Acceptance Standards identified in the test procedure.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T21-96-007

Revision/CIN: 0

WBS Number: 1.01.01.02.01.03.0003-
0001

Due Date: 5/31/96

ADS No: 1100-00-NF

Title: PROVIDE ROUGH DRAFT OF FY 1997
BUDGET FORECAST

Schedule ID: N1F616A1A

Scheduler: SIMON

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
DRAFT
BUDGET

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Develop and provide draft dictionaries, MDSs, budget forecast, and activities.

Description of what Constitutes Completion of the Commitment:

Provide draft copies of budget forecast materials by May 31, 1996.

Acceptance Criteria:

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T21-96-008
WBS Number: 1.01.01.02.01.03.0001

Revision/CIN: 0
Due Date: 9/30/96
ADS No: 1100-00-NF
Schedule ID: N1F61A5A
Scheduler: SIMON

Title: QUARTERLY STATUS REPORT

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Report will consist of schedule and cost and appropriate corrective actions as required for the following activities: Herbicide spraying; Pit DECON; NCR Disposition; 6 formal assessments of Conduct of Operations; Data Acquisition; Data Analysis; Radiological Surveys; IH Field Monitoring/Assessments; Operating Parameters.

Description of what Constitutes Completion of the Commitment:

Deliverables: 1st Quarter Report due 1/3/96; 2nd Quarter RReport due 4/3/96; 3rd Quarter Report due 7/3/96; 4th Quarter Report due 9/30/96

Acceptance Criteria:

DOE Order 5480.19, 10CFR 835

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T21-96-009
WBS Number: 1.01.01.02.01.03.0002

Revision/CIN: 0
Due Date: 9/30/96
ADS No: 1100-00-NF

Title: PREDICTIVE MAINTENANCE
TECHNIQUES

Schedule ID: N1F626D

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

As part of the Maintenance Optimization effort determine the most effective condition monitoring techniques to use in conjunction with planned maintenance to increase equipment availability and reduce cost. Once a new technique has been developed, an implementation plan will be put in place which includes a schedule to which commencement of the plan will occur.

Description of what Constitutes Completion of the Commitment:

Deliverables: Identify conditioning monitoring techniques as appropriate per optimization plan - 3/31/96 .
Implement 10% of monitoring techniques as identified - 9/30/96.

Acceptance Criteria:

DOE Order 4330.4B

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T21-96-010

Revision/CIN: 0

WBS Number: 1.01.01.02.01.03.0002
0001

Due Date: 11/10/95

ADS No: 1100-00-NF

Title: DEVELOPMENT OF HAZ COM
PROGRAM

Schedule ID: N1F626A1A

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Develop and implement the HAZ COM Program by November 10, 1995. This program will provide workers with the knowledge and tools necessary to perform their jobs in a safe manner when dealing with chemical hazards in the workplace.

Description of what Constitutes Completion of the Commitment:

Deliverables: Complete development of the Haz Com Program - 11/10/95; Complete implementation of Haz Com Program - 12/30/95

Acceptance Criteria:

DOE Order 5480.19, DOE Order 433.4B, 29CFR1910.1200

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T21-96-011

Revision/CIN: 0

WBS Number: 1.01.01.02.01.03.0002

Due Date: 2/23/96

ADS No: 1100-00-NF

Title: COMPLETE SYSTEM OUTAGE ON 241-
AY ANNULUS AND TURNOVER TO
OPERATIONS BY DECEMBER 31, 1995

Schedule ID: N1F626C04

Scheduler: SIMON

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Monthly
Interface

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Complete system outage and turnover to Operations by February 23, 1996.

Description of what Constitutes Completion of the Commitment:

Deliverables; Provide monthly DOE-RL interface meeting.

Acceptance Criteria:

Closeout of all related packages will serve as acceptance criteria.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T21-96-012
WBS Number: 1.01.01.02.01.03.0002

Revision/CIN: 0
Due Date: 9/30/96
ADS No: 1100-00-NF
Schedule ID: N1F626C1A
Scheduler: SIMON

Title: REDUCE CM BACKLOG BY 10%

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Complete review and validation of CM work package backlog by September 30, 1996

Description of what Constitutes Completion of the Commitment:

Deliverables: Status will be provided a DOE-RL monthly interface meeting; Letter documenting the reduction will be provided to DOE-RL on 9/30/96.

Acceptance Criteria:

DOE Order 4330.4B

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T21-96-013
WBS Number: 1.01.01.02.01.03.0002

Revision/CIN: 0
Due Date: 3/29/96
ADS No: 1100-00-NF
Schedule ID: N1F626A2A

Title: OPTIMIZATION PLAN FOR RE-BASELINE OF PMs

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Provide optimization plan for the re-baselining of PMs. This will ensure the optimum efficiency and reduce the number of behind scheduled PMs

Description of what Constitutes Completion of the Commitment:

Deliverables: Provide optimization plan by 3/29/96 to DOE-RL

Acceptance Criteria:

DOE-Order 4330.4B

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T21-96-014
WBS Number: 1.01.01.02.01.03.0002

Revision/CIN: 0
Due Date: 9/30/96
ADS No: 1100-00-NF

Title: Plan and Perform Preventive Maintenance

Schedule ID: N1F62B1
Scheduler: N. Simon

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Plan and perform documentation of Preventative Maintenance work packages to maintain 85% equipment availability.

Description of what Constitutes Completion of the Commitment:

Deliverables: Status will be provided DOE-RL monthly interface meeting. A letter will be issued at the end of FY 1996 documenting availability percentage.

Acceptance Criteria:

DOE Order 4330.4B

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T21-96-015
WBS Number: 1.01.01.02.01.03.0002

Revision/CIN: 0
Due Date: 9/30/96
ADS No: 1100

Title: DRAWING VERIFICATION AND
LABELING EAST TANK FARM
TRANSITION PROJECT

Schedule ID: N1F626E1

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Combined TWRS Safety Initiative 4C (field verification) and H-2/H14 As Built System Based Drawing Verification and Labeling continues development of system based (H-14) drawings with verification walkdowns to ensure drawing accuracy. The revised drawings will now include unique Equipment Identification Numbers (EINs) with corresponding labels. Master Equipment List (MEL) verified data will be included. Labeling instructions will be supplied to support projects in the planning stage. Completion of this milestone will be to verify and issue at least 95 combined H-2 and H-14 drawings, specify labels, and make the necessary MEL entries. Essential drawings of double shell facilities will be identified by the applicable Cognizant Engineer or his manager in WHC-SD-WM-PC-002, Tank Farm Essential Drawing Plan, excluding drawings that do not lend themselves to the verification process. For example, logic diagrams, circuit board diagrams, and printed circuit board assemblies do not lend themselves to the Field Verification process and will not be verified.

Description of what Constitutes Completion of the Commitment:

Deliverables: A letter identifying the Auto Cad H-14 or H-2 drawings that were issued and detailing the corresponding work including labels specified, and MEL entries made.

Acceptance Criteria:

At least 95 H-14 or H2 drawings verified and issued in FY 1996. Additionally labels will be specified and corresponding MEL entries will be made.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No. T21-96-113
WBS Number: 1.01.01.02.01.03.0006

Revision/CIN: 0
Due Date: 4/30/96
ADS No: 1100-00-NF
Schedule ID: N1F66F9637

Title: REMOVE WFIE (5) CABINETS 241-BX
TANK FARM

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Monthly
Milestone Status

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
???

Description of this Commitment:

Plan, issue and perform work packages for the removal and disposal of 5 WFIE cabinets currently located in 241-BX Tank Farm. The work will consist of cutting, isolating, and capping of instrument lines for final removal and disposal of cabinets.

Description of what Constitutes Completion of the Commitment:

1) Milestone status will be provided at the monthly DOE-RL Review Meetings. 2) Complete removal and disposal of (5) WFIE cabinets by 04/30/96.

Acceptance Criteria:

Closure of associated work packages will serve as documentation that the WFIE cabinets have been removed and disposed of.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T21-96-117
WBS Number: 1.01.01.02.01.03.0006

Revision/CIN: 0
Due Date: 4/30/96
ADS No: 1100-00-NF
Schedule ID: N1F66C9650

Title: CONFIGURATION CONTROL -
DEVELOP DRAWINGS & PERFORM
LABELING 241-BX TANK FARM

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Completion of the activities identified in the labeling program schedule.

Description of what Constitutes Completion of the Commitment:

A letter will be issued to DOE-RL documenting the completion of the activities in accordance to the Labeling Program schedule. Status will be provided at the RL Monthly Review Meetings.

Acceptance Criteria:

Completion of this task maintains compliance with existing DOE Orders for "Conduct of Operations" and "Conduct of Maintenance," and to support closure of safety initiative TWRS SI-4C. All activities will be completed in accordance with the Labeling Program schedule.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T21-96-118
WBS Number: 1.01.01.02.01.03.0006

Revision/CIN: 0
Due Date: 6/28/96
ADS No: 1100-00-NF
Schedule ID: N1F66C9635

Title: COMPLETE REPLACEMENT OF
FICs/MANUAL TAPES BY INSTALLING
ENRAFS IN SELECTED SINGLE-SHELL
TANKS IN 200 EAST AREA

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Upgrade the current waste tank level indicator devices (FICs or manual tapes) by replacing them through installation of ENRAFs in selected 241-BX single-shell tanks. Completion of this work will result in decreased future maintenance and future cost of maintaining the current waste tank level indicator devices (FICs). The ENRAFs will be connected to the Temperature Monitoring and Control System (TMACS), which will eliminate the need for daily manual waste tank level readings. This milestone will cover all Operations, Maintenance, Quality Assurance, Health Physics, and Industrial Health and Safety support for installing the ENRAFs. The single-shell tanks identified to have the FIC/Manual Tape replaced by an ENRAF are listed below: BX-101, BX-102, BX-103, BX 104, BX-105, BX-107, BX-108, BX-109, BX-109, BX-110, BX-112. The Integrated Schedule will be statused on a monthly basis to reflect progress toward ENRAF installation to replace FICs/Manual Tapes. The East Tank Farms Transition Project Manager will also be provided with status on a monthly basis.

Description of what Constitutes Completion of the Commitment:

Deliverables: Successful completion of the replacement of FICs with ENRAFs will be documented by issuing a letter to the DOE-RL, with a copy to be forwarded to the Tank Farm Operations Director. In addition, Milestone status will be provided at the monthly DOE-RL Review Meetings.

Acceptance Criteria:

Verificaiton of work package closure documenting the instillation and effective operation of the ENRAF tank level indicator.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T21-96-217
WBS Number: 1.01.01.02.01.03.0022

Revision/CIN: 0
Due Date: 12/28/95
ADS No: 1100

Title: DST CORROSION TRADE STUDY

Schedule ID: UNKNOWN
Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

This activity will compare various options for monitoring corrosion in DSTs. This trade study will develop cost/benefit data for direct comparison of available options. The option selected will be phased into the DST system for implementation.

Description of what Constitutes Completion of the Commitment:

Release supporting document.

Acceptance Criteria:

Program office concurrence on report transmittal.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T21-96-218
WBS Number: 1.01.01.02.01.03.0022

Revision/CIN: 0
Due Date: 3/29/96
ADS No: 1100

Title: PROTOTYPE CORROSION PROBE

Schedule ID:
Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Description of what Constitutes Completion of the Commitment:

Acceptance Criteria:

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T21-96-219
WBS Number: 1.01.01.02.01.03.0022

Revision/CIN: 0
Due Date: 9/27/96
ADS No: 1100

Title: DST CORROSION FIRST TANK

Schedule ID: n3e51ba03
Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Implemented corrosion control strategy of Trade Study (Milestone T21-96-217), into one DST. Trade Study may recommend installation of corrosion monitoring probes, coupon racks, NDE or increased sampling to improve corrosion monitoring and control.

Description of what Constitutes Completion of the Commitment:

Installation of corrosion monitoring equipment.

Acceptance Criteria:

TWRS Safety and Technical Integration (Level II) and TWRS Tank Farm Transition Projects (Level II) approval of revised corrosion control process.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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Milestone Control No T21-96-220
WBS Number: 1.01.01.02.01.03.0022

Revision/CIN: 0
Due Date: 9/30/96
ADS No: 1100

Title: CATHODIC PROTECTION DATABASE

Schedule ID: n3e51ca02
Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
CP DATABASE

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Cathodic protection database software will be procured and post cathodic protection survey data will be loaded into database. New cathodic protection data will be loaded into database as it becomes available on an annual basis.

Description of what Constitutes Completion of the Commitment:

Letter report to RL describing database structure.

Acceptance Criteria:

Database procured; 1994 Cathodic Protection Baseline Survey loaded into database

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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REV. 1

Milestone Control No T21-96-223
WBS Number: 1.01.01.02.01.03.0022

Revision/CIN: 0
Due Date: 6/28/96
ADS No: 1100

Title: DST USEFUL LIFE ESTIMATE

Schedule ID: n3e51da01
Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Prepare report with estimates of remaining useful life for DSTs and associated support equipment. Remaining useful life estimates will be supported by available technical basis.

Description of what Constitutes Completion of the Commitment:

Released supporting document.

Acceptance Criteria:

Minimum and maximum useful life estimates with appropriate qualifiers and recommendations for additional information.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T21-96-224
WBS Number: 1.01.01.02.01.03.0022

Revision/CIN: 0
Due Date: 4/30/96
ADS No: 1100
Schedule ID: n3e51da02

Title: DST LIFE MGT. PROGRAM PLAN
REVISION

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Revise WHC-SD-WM-PLN-068, Rev. 0, "Life Management Program Plan" to include recent information and program direction

Description of what Constitutes Completion of the Commitment:

Released supporting document

Acceptance Criteria:

Released supporting document.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM
MILESTONE DESCRIPTION SHEET

WHC-SP-1101
REV. 1

(1) Title: W-340 CATHODIC PROTECTION
CONSTRUCTION COMPLETION

(2) Schedule ID: N1F87ACM

(3) Revision CIN: 0

(4) ADS: 1120-0

(5) WBS Number: 1.1.1.2.1.3.25

(6) Scheduler:

(7) Milestone Control Number: T21-96-240

(8) Due Date: 12/29/1995

(9) Milestone Type

(10) Deliverables

(11) Addressed to

☐ TPA _____

☐ Report

☐ DOE-HQ

☐ DOE-HQ _____

☐ Letter

☒ DOE-RL

☐ DOE-FO _____

☐ Drawings

☒ DOE-RL _____

☐ Contractor

☒ Other (Specify)
OAC SECTION I

☐ Other (Specify)

'2) Description of this commitment:

Completing the cathodic protection system in 241-SY tank farm, including excavating to expose underground piping for test lead attachments and electrical bonding, stabilizing to restore tank farm surface conditions, installing test stations, angoring or hand digging to install remaining anodes, angoring to install deep reference anodes near the three SY tanks, and installing a new rectifier and concrete pad. The date of the last approval signature on Section I of the Official Acceptance of Construction (OAC) shall constitute the construction completion date.

(13) Description of what constitutes completion of the commitment:

Approved Section I of the Official Acceptance of Construction.

(14) Acceptance Criteria:

Approval of OAC Section I by the engineer/constructor, WHC projects, and RL constitutes acceptance of construction and indicates all construction is completed, with any exceptions noted.

(15) MDS APPROVAL

(16) COMPLETION APPROVAL

Date milestone was completed

A3-24

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM
MILESTONE DESCRIPTION SHEET

WHC-SP-1101
REV. 1

(1) Title: W-340 CATHODIC PROTECTION PROJECT COMPLETION (2) Schedule ID: N1F87ADM

(3) Revision CIN: 0

(4) ADS: 1120-0

(5) WBS Number: 1.1.1.2.1.3.25

(6) Scheduler:

(7) Milestone Control Number: T21-96-241

(8) Due Date: 02/23/1995

(9) Milestone Type

(10) Deliverables

(11) Addressed to

☐ TPA _____

☐ Report

☐ DOE-HQ

☐ DOE-HQ _____

☐ Letter

☒ DOE-RL

☐ DOE-FO _____

☐ Drawings

☒ DOE-RL _____

☐ Contractor

☒ Other (Specify)
OAC SECTION III

☐ Other (Specify)

(12) Description of this commitment:

Acceptance and operational testing, acceptance for beneficial use (Official Acceptance of Construction [OAC] Section II), and completion of all construction exceptions (OAC Section III).

(13) Description of what constitutes completion of the commitment:

Approved Section III of the Official Acceptance of Construction.

(14) Acceptance Criteria:

Approval of OAC Section III by the engineer/constructor, WHC projects, and RL constitutes completion of all project exceptions and acceptance of the project.

(15) MDS APPROVAL

(16) COMPLETION APPROVAL

Date milestone was completed

JHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A3-25

Westinghouse Hanford Company
Tank Waste Remediation System

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Milestone Description Sheet

WHC-SP-1101
REV. 1

Milestone Control No T21-96-274
WBS Number: 1.01.01.02.01.03.0027

Revision/CIN: 0
Due Date: ~~6/14/96~~ 12/29/95
ADS No: 1120-2

Title: W-030, TANK FARM VENTILATION
UPGRADE, BEGIN HOT TIE INS

Schedule ID:

Scheduler: RIENDEAU

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Description of what Constitutes Completion of the Commitment:

Acceptance Criteria:

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Date Milestone Was Completed

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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WHC-SP-1101
REV. 1

Milestone Control No T21-96-275
WBS Number: 1.01.01.02.01.03.0027

Revision/CIN: 0
Due Date: 12/31/95
ADS No: 1120-2

Title: W-030, TF VENTILATION UPGRADE,
COMPLETION OF FIXED PRICE
CONSTRUCTION

Schedule ID:

Scheduler: RIENDEAU

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Letter to DOE-RL noting completion with the attached ICF KH Work Acceptance form.

Description of what Constitutes Completion of the Commitment:

W-030 is divided into two main construction teams. Fixed Price and ICF Kaiser Hanford Company (ICF KH) Construction Forces. The Fixed Price Contract scope will be completed and turned over to ICF KH by 12/31/95. This scope includes the ventilation, diesel generator and control buildings, recirculation modules, and cooling towers.

Acceptance Criteria:

Contract completion-Work Acceptance form signed by ICF KH.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T21-96-284
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 12/15/95
ADS No: 1100

Title: CONDUCT SYSTEMS REQUIREMENTS
(SRR) AND DESIGN REQUIREMENTS
DOCUMENT (DRD) REVIEW

Schedule ID: N3F71APM

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Briefing

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Successful completion of the SRR will result in DOE approval of the Design Requirements Document (DRD). The signing of the signature page in the SRR report constitutes completion of the SRR.

Description of what Constitutes Completion of the Commitment:

Deliverables: An SRR will be held to evaluate the adequacy of the systems engineering approach to system development. The areas to be reviewed are outlined in the RL-95-12 TWRS Systems Engineering Standard (SES). The SRR will also determine the adequacy of the project DRD.

Acceptance Criteria:

A set of exit criteria will be established to measure successful completion of SRR.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T21-96-292
WBS Number: 1.01.01.02.01.03.0027

Revision/CIN: 0
Due Date: 1/31/96
ADS No: 1120-2

Title: OAC I, CONSTRUCTION COMPLETE, W-030 TANK FARM VENTILATION UPGRADE

Schedule ID:

Scheduler: RIENDEAU

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Letter to DOE-RL with a copy of the OAC Part I attached indicating construction completion and meeting TPA M-43-01B.

Description of what Constitutes Completion of the Commitment:

Project W-030 will replace the ventilation system for the AY and AZ Tank Farm. The Tri-Party agreement milestone for completing construction is set for 10/31/96. This RL milestone will move the completion date up by nine months. Reference milestone number M-43-01B.

Acceptance Criteria:

Official Acceptance of Construction (OAC) Part I, signed by WHC, IFC KH and DOE-RL

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T21-96-294
WBS Number: 1.01.01.02.01.03.0027

Revision/CIN: 0
Due Date: 6/14/96
ADS No: 1120-2

Title: W-030, TF VENTILATION UPGRADE,
READINESS FOR STARTUP

Schedule ID:

Scheduler: RIENDEAU

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC

Description of this Commitment:

Letter from DOE-RL to WHC declaring Reainess to Startup

Description of what Constitutes Completion of the Commitment:

The W-030 Project will tie directly into existing risers, drain lines and catch tanks that are currently used for the existing ventilation system. To proceed with Tie-Ins and meet TPA milestone M-43-01C, "Begin Operations", the project must complete a Readiness Review/Assessment by 6/14/96.

Acceptance Criteria:

OAC I completed, Readiness Assessment completed, and Notification to Proceed with Startup/Tie-Ins from DOE-RL.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No. T21-96-601
WBS Number: 1.01.01.02.01.03.0020

Revision/CIN: 0
Due Date: 12/29/95
ADS No: 1100

Title: SUBMIT ASSESSMENT REPORT
SHOWING COMPLIANCE WITH THE
INTENT OF DOE ORDER 5480.20

Schedule ID: N1F210D01M

Scheduler: GODFREY

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Report from an internal assessment of TWRS Training Procedures and programs will be compared with the intent of the requirements of DOE Order 5480.20A. The assessment will include oversight by an outside agency. An assessment report will be issued stating that compliance with the intent of DOE Order 5480.20A has been attained.

Description of what Constitutes Completion of the Commitment:

Report from an internal assessment of TWRS Trainin Procedures and programs will be compared with the intent of the requirements of DOE Order 5480.20A. The assessment will include oversight by an outside agency. An assessment report will be issued stating that compliance with the intent of DOE Order 5480.20A has been attained.

Acceptance Criteria:

Submit assessment report to RL showing compliance with the intent of DOE Order 5480.20A.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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WHC-SP-1103
REV. 1

Milestone Control No. ^{T21}~~T2A~~-96-602
WBS Number: 1.01.01.02.01.03.0020

Revision/CIN: 0
Due Date: 7/1/96
ADS No: 1100

Title: SUBMIT TRAINING PROGRAM
ACCREDITATION PLAN IN
ACCORDANCE WITH DOE ORDER
5480.18B

Schedule ID: N1F210D14B

Scheduler: GODFREY

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Using the ISER create a training program accreditation plan to identify actions to achieve accreditation of selected TWRS Training Programs.

Description of what Constitutes Completion of the Commitment:

Complete Training Program Accreditation Plan in accordance with DOE Order 5480.18B identifying actions required to obtain Accreditation of selected training programs.

Acceptance Criteria:

Submit Training Program Accreditation Plan in accordance with DOE Order 5480.18B.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1103
REV. 1

^{T21}
Milestone Control No. T2A-96-603
WBS Number: 1.01.01.02.01.03.0020

Revision/CIN: 0
Due Date: 4/1/96
ADS No: 1100

Title: SUBMIT ISER REPORT IDENTIFYING
FINDINGS TO OBTAIN ACCREDITATION

Schedule ID: N1F210D14A

Scheduler: GODFREY

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Conduct an Initial Self Evaluation Report of selected TWRS Training Programs in preparation for Accreditation per DOE Order 5480.18B.

Description of what Constitutes Completion of the Commitment:

Report from an internal assessment of TWRS Training procedures and programs will compare with the intent of the DOE Order 5480.18B. An assessment report will be issued identifying Initial Self Evaluation Report findings to obtain Accreditation.

Acceptance Criteria:

Complete Initial Self Evaluation Report for Accreditation in accordance with DOE Order 5480.18B.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM
MILESTONE DESCRIPTION SHEET

WHC-SP-1101
REV. 1

(1) Title: IOSR IMPLEMENTATION

(2) Schedule ID: N1F380C01A

(3) Revision CIN: 0

(4) ADS: 1100-0-NC

(5) WBS Number: 1.1.1.2.1.3.16 T21

(6) Scheduler:

(7) Milestone Control Number: T2A-96-610

(8) Due Date: 03/31/1996

(9) Milestone Type

(10) Deliverables

(11) Addressed to

☐ TPA _____

☐ Report

☐ DOE-HQ

☐ DOE-HQ _____

☒ Letter

☒ DOE-RL

☐ DOE-FO _____

☐ Drawings

☒ DOE-RL _____

☐ Contractor

☐ Other (Specify)

☐ Other (Specify)

(12) Description of this commitment:

1) Completion of CIP development. 2) Completion of IOSR.

(13) Description of what constitutes completion of the commitment:

Letter to RL on 10/31/1995, stating completion of CIP development. 2) Letter to RL on 03/31/1996 stating completion of IOSRs.

(14) Acceptance Criteria:

(15) MDS APPROVAL

(16) COMPLETION APPROVAL

Date milestone was completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM
MILESTONE DESCRIPTION SHEET

WHC-SP-1101
REV. 1

(1) Title: OSD REVISIONS

(2) Schedule ID: N1F380F01A

(3) Revision CIN: 0

(4) ADS: 1100-0-NC

(5) WBS Number: 1.1.1.2.1.3.16 T21

(6) Scheduler:

(7) Milestone Control Number: T2A-96-611

(8) Due Date: 09/30/1996

(9) Milestone Type

(10) Deliverables

(11) Addressed to

☐ TPA _____

☐ Report

☐ DOE-HQ

☐ DOE-HQ _____

☒ Letter

☒ DOE-RL

☐ DOE-FO _____

☐ Drawings

☒ DOE-RL _____

☐ Contractor

☐ Other (Specify)

☐ Other (Specify)

(12) Description of this commitment:

1) Completion of OSD revisions to reflect changes in OSDs resulting from ASA and ISOR revisions.

(13) Description of what constitutes completion of the commitment:

Letter to RL on 09/30/1996, stating completion of OSD revisions.

(14) Acceptance Criteria:

(15) MDS APPROVAL

(16) COMPLETION APPROVAL

Date milestone was completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A3-37

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM
MILESTONE DESCRIPTION SHEET

WHC-SP-1101
REV. 1

(1) Title: ISSUE 30-YEAR SOLID WASTE FORECAST FOR TWRS (2) Schedule ID: N1F340AM03

(3) Revision CIN: 0

(4) ADS: 1100-0-NC

(5) WBS Number: 1.1.1.2.1.3.¹⁵~~16~~ T21

(6) Scheduler:

(7) Milestone Control Number: T2A-96-622

(8) Due Date: 07/31/1996

(9) Milestone Type

(10) Deliverables

(11) Addressed to

☐ TPA _____

☒ Report

☐ DOE-HQ

☐ DOE-HQ _____

☐ Letter

☒ DOE-RL

☐ DOE-FO _____

☐ Drawings

☒ DOE-RL _____

☐ Contractor

☐ Other (Specify)

☐ Other (Specify)

'2) Description of this commitment:

A 30-year forecast of all forms of solid waste produced by tank farms is required on an annual basis by WHC-EP-0063, "Hanford Site Solid Waste Acceptance Criteria." Waste Shipment Engineering is the responsible organization for issuing the report.

(13) Description of what constitutes completion of the commitment:

Issue the TWRS 30-Year Solid Waste Forecast report by July 31, 1996.

(14) Acceptance Criteria:

None

(15) MDS APPROVAL

(16) COMPLETION APPROVAL

Date milestone was completed

JHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A3-38

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM
MILESTONE DESCRIPTION SHEET

WHC-SP-1101
REV. 1

(1) Title: DEVELOP A DRAFT PLAN FOR THE FREE RELEASE OF DEBRIS FROM THE LLW STREAM

(2) Schedule ID: N1F340AM06

(3) Revision CIN: 0

(4) ADS: 1100-0-NC

(6) Scheduler:

(8) Due Date: 02/16/1996

(5) WBS Number: 1.1.1.2.1.3.¹⁵~~16~~ T21
(7) Milestone Control Number: ~~T2A~~-96-625

(9) Milestone Type

(10) Deliverables

(11) Addressed to

☐ TPA _____
☐ DOE-HQ _____
☐ DOE-FO _____
☒ DOE-RL _____

☒ Report
☐ Letter
☐ Drawings

☐ DOE-HQ
☒ DOE-RL

☐ Contractor

☐ Other (Specify)

☐ Other (Specify)

(12) Description of this commitment:

A draft plan will be developed for the free release of debris from the LLW stream. The plan should include methods for free release, established federal regulations for free release criteria, available technologies and a cost analysis/cost savings potential.

(13) Description of what constitutes completion of the commitment:

A draft plan for the free release of debris from the LLW stream will be issued on February 16, 1996.

(14) Acceptance Criteria:

None

(15) MDS APPROVAL

(16) COMPLETION APPROVAL

Date milestone was completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

A3-39

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM
MILESTONE DESCRIPTION SHEET

WHC-SP-1101
REV. 1

(1) Title: COMPLETE THE REMOVAL OF ABOVE
GROUND INVENTORY OF CONTAMINATED EQUIPMENT

(2) Schedule ID: NIF340BM03

(3) Revision CIN: 0

(4) ADS: 1100-0-NC

(6) Scheduler:

(8) Due Date: 06/30/1996

(5) WBS Number: 1.1.1.2.1.3.15

(7) Milestone Control Number: ^{T21}~~T2A~~-96-629

(9) Milestone Type

(10) Deliverables

(11) Addressed to

☐ TPA _____

☐ Report

☐ DOE-HQ

☐ DOE-HQ _____

☒ Letter

☒ DOE-RL

☐ DOE-FO _____

☐ Drawings

☒ DOE-RL _____

☐ Contractor

☐ Other (Specify)

☐ Other (Specify)

(12) Description of this commitment:

Complete the removal of above ground contaminated equipment as identified in the TWRS contaminated equipment program. This effort will also support the removal of abandoned equipment within TX, TY, and BX Farms to support the Controlled, Clean, and Stable program schedule.

(13) Description of what constitutes completion of the commitment:

Issue a letter to RL and TWRS Management identifying the completion of abandoned equipment removal.

(14) Acceptance Criteria:

None

(15) MDS APPROVAL

(16) COMPLETION APPROVAL

Date milestone was completed

IHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM
MILESTONE DESCRIPTION SHEET

WHC-SP-1101
REV. 1

(1) Title: ISSUE A QUARTERLY REPORT TO RL THAT PROVIDES A STATUS OF THE VOLUME REDUCTION EFFICIENCY AND COST EFFECTIVENESS; THE VOLUMES AND TYPES OF WASTE BEING MANAGED AND SHIPPED UNDER THIS PROGRAM; THE NUMBER OF RADIOLOGICAL AND HAZARDOUS CHEMICAL SAMPLES ISSUED TO THE LABS; THE LONG LENGTH CONTAMINATED EQUIPMENT PROGRAM; THE PRODUCT AND/OR SERVICES RENDERED BY ENVIRONMENTAL SERVICES

(2) Schedule ID: N1F340AM08

(3) Revision CIN: 0

(4) ADS: 1100-0-NC

(5) WBS Number: 1.1.1.2.1.3.15 T21

(6) Scheduler:

(7) Milestone Control Number: T2A-96-630

(8) Due Date: 01/15/1996

(9) Milestone Type

(10) Deliverables

(11) Addressed to

☐ TPA _____

☒ Report

☐ DOE-HQ

☐ DOE-HQ _____

☐ Letter

☒ DOE-RL

☐ DOE-FO _____

☐ Drawings

☒ DOE-RL _____

☐ Contractor

☐ Other (Specify)

☐ Other (Specify)

(12) Description of this commitment:

Issue a quarterly report to RL that provides the status of the volume reduction efficiency and cost effectiveness; the volumes and types of waste being managed and shipped under this program; the number of radiological and hazardous chemical samples issued to the labs; the Long Length Contaminated Equipment program; the product and/or services rendered by Environmental Services.

(13) Description of what constitutes completion of the commitment:

A quarterly report issued to RL on 01/15/1996.

(14) Acceptance Criteria:

None

(15) MDS APPROVAL

(16) COMPLETION APPROVAL

Date milestone was completed

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM
MILESTONE DESCRIPTION SHEET

WHC-SP-1101
REV. 1

(1) Title: ISSUE A QUARTERLY REPORT TO RL THAT PROVIDES A STATUS OF THE VOLUME REDUCTION EFFICIENCY AND COST EFFECTIVENESS; THE VOLUMES AND TYPES OF WASTE BEING MANAGED AND SHIPPED UNDER THIS PROGRAM; THE NUMBER OF RADIOLOGICAL AND HAZARDOUS CHEMICAL SAMPLES ISSUED TO THE LABS; THE LONG LENGTH CONTAMINATED EQUIPMENT PROGRAM; THE PRODUCT AND/OR SERVICES RENDERED BY ENVIRONMENTAL SERVICES

(2) Schedule ID: N1F340AM09

(3) Revision CIN: 0

(4) ADS: 1100-0-NC

(5) WBS Number: 1.1.1.2.1.3.15 T21

(6) Scheduler:

(7) Milestone Control Number: T2A-96-631

(8) Due Date: 04/15/1996

(9) Milestone Type

(10) Deliverables

(11) Addressed to

☐ TPA _____

☒ Report

☐ DOE-HQ

☐ DOE-HQ _____

☐ Letter

☒ DOE-RL

☐ DOE-FO _____

☐ Drawings

☒ DOE-RL _____

☐ Contractor

☐ Other (Specify)

☐ Other (Specify)

(12) Description of this commitment:

Issue a quarterly report to RL that provides the status of the volume reduction efficiency and cost effectiveness; the volumes and types of waste being managed and shipped under this program; the number of radiological and hazardous chemical samples issued to the labs; the Long Length Contaminated Equipment program; the product and/or services rendered by Environmental Services.

(13) Description of what constitutes completion of the commitment:

A quarterly report issued to RL on 04/15/1996.

(14) Acceptance Criteria:

None

(15) MDS APPROVAL

(16) COMPLETION APPROVAL

Date milestone was completed

A3-42

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM
MILESTONE DESCRIPTION SHEET

WHC-SP-1101
REV. 1

(1) Title: ISSUE A QUARTERLY REPORT TO RL THAT PROVIDES A STATUS OF THE VOLUME REDUCTION EFFICIENCY AND COST EFFECTIVENESS; THE VOLUMES AND TYPES OF WASTE BEING MANAGED AND SHIPPED UNDER THIS PROGRAM; THE NUMBER OF RADIOLOGICAL AND HAZARDOUS CHEMICAL SAMPLES ISSUED TO THE LABS; THE LONG LENGTH CONTAMINATED EQUIPMENT PROGRAM; THE PRODUCT AND/OR SERVICES RENDERED BY ENVIRONMENTAL SERVICES

(2) Schedule ID: N1F340AM10

(3) Revision CIN: 0

(4) ADS: 1100-0-NC

(5) WBS Number: 1.1.1.2.1.3.15

(6) Scheduler:

(7) Milestone Control Number: ~~T2A~~-96-632

(8) Due Date: 07/15/1996

(9) Milestone Type

(10) Deliverables

(11) Addressed to

☐ TPA _____

☒ Report

☐ DOE-HQ

☐ DOE-HQ _____

☐ Letter

☒ DOE-RL

☐ DOE-FO _____

☐ Drawings

☒ DOE-RL _____

☐ Contractor

☐ Other (Specify)

☐ Other (Specify)

(12) Description of this commitment:

Issue a quarterly report to RL that provides the status of the volume reduction efficiency and cost effectiveness; the volumes and types of waste being managed and shipped under this program; the number of radiological and hazardous chemical samples issued to the labs; the Long Length Contaminated Equipment program; the product and/or services rendered by Environmental Services.

(13) Description of what constitutes completion of the commitment:

A quarterly report issued to RL on 07/15/1996.

(14) Acceptance Criteria:

None

(15) MDS APPROVAL

(16) COMPLETION APPROVAL

Date milestone was completed

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM
MILESTONE DESCRIPTION SHEET

WHC-SP-1101
REV. 1

(1) Title: ISSUE A QUARTERLY REPORT TO RL THAT PROVIDES A STATUS OF THE VOLUME REDUCTION EFFICIENCY AND COST EFFECTIVENESS; THE VOLUMES AND TYPES OF WASTE BEING MANAGED AND SHIPPED UNDER THIS PROGRAM; THE NUMBER OF RADIOLOGICAL AND HAZARDOUS CHEMICAL SAMPLES ISSUED TO THE LABS; THE LONG LENGTH CONTAMINATED EQUIPMENT PROGRAM; THE PRODUCT AND/OR SERVICES RENDERED BY ENVIRONMENTAL SERVICES

(2) Schedule ID: NIF340AM11

(3) Revision CIN: 0

(4) ADS: 1100-0-NC

(5) WBS Number: 1.1.1.2.1.3.15

TZ1

(6) Scheduler:

(7) Milestone Control Number: ~~TZA~~-96-633

(8) Due Date: ~~10/15/1996~~ 9/30/1996

(9) Milestone Type

(10) Deliverables

(11) Addressed to

☐ TPA _____

☒ Report

☐ DOE-HQ

☐ DOE-HQ _____

☐ Letter

☒ DOE-RL

☐ DOE-FO _____

☐ Drawings

☒ DOE-RL _____

☐ Contractor

☐ Other (Specify)

☐ Other (Specify)

(12) Description of this commitment:

Issue a quarterly report to RL that provides the status of the volume reduction efficiency and cost effectiveness; the volumes and types of waste being managed and shipped under this program; the number of radiological and hazardous chemical samples issued to the labs; the Long Length Contaminated Equipment program; the product and/or services rendered by Environmental Services.

(13) Description of what constitutes completion of the commitment:

A quarterly report issued to RL on 10/15/1996.

(14) Acceptance Criteria:

None

(15) MDS APPROVAL

(16) COMPLETION APPROVAL

Date milestone was completed

A3-44

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM
MILESTONE DESCRIPTION SHEET

WHC-SP-1101
REV. 1

(1) Title: PERFORM A RE-ENGINEERING EVALUATION OF THE EXISTING DOE ORDERS AND WHC MANUALS THAT PERTAIN TO DOT PACKAGING COMPLIANCE REQUIREMENTS FOR ONSITE SHIPMENTS OF WASTE. ISSUE A REPORT THAT PRESENTS THE ISSUES, REQUIREMENTS, AND COST OF PRESENT PROGRAM AND RECOMMENDATIONS FOR COST SAVINGS.

(2) Schedule ID: N1F340AM12

(3) Revision CIN: 0

(4) ADS: 1100-0-NC

(5) WBS Number: 1.1.1.2.1.3.15 TZL

(6) Scheduler:

(7) Milestone Control Number: TZA-96-634

(8) Due Date: 05/31/1996

(9) Milestone Type

(10) Deliverables

(11) Addressed to

☐ TPA _____

☒ Report

☐ DOE-HQ

☐ DOE-HQ _____

☐ Letter

☒ DOE-RL

☐ DOE-FO _____

☐ Drawings

☒ DOE-RL _____

☐ Contractor

☐ Other (Specify)

☐ Other (Specify)

(12) Description of this commitment:

Issue a report that presents the issues, requirements, and costs of present program to maintain full compliance with DOT and provide recommendations for cost savings.

(13) Description of what constitutes completion of the commitment:

A report to RL on 05/31/1996.

(14) Acceptance Criteria:

None

(15) MDS APPROVAL

(16) COMPLETION APPROVAL

Date milestone was completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A3-45

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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Rev.0

WHC-SP-1101
REV. 1

Milestone Control No T21-97-112
WBS Number: 1.01.01.02.01.03.0006

Revision/CIN: 0
Due Date: 8/29/97
ADS No: 1100-00-NF
Schedule ID: F66B9618

Title: Complete Intrusion Prevention of Single-Shell Tanks (SSTs) in 241-BX-106 and 241-BX-111

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

PROVIDE ALL ENGINEERING, OPERATIONAL, MAINTENANCE, FABRICATION SUPPORT FOR INTRUSION PREVENTION FOR TWO SSTs BX-106 AND BX-111 IN 241-BX TANK FARM. THIS INCLUDES TROUBLE-SHOOTING, REPAIR, AND EQUIPMENT UPGRADES, CUTTING AND CAPPING PIPING FOR TANK ISOLATION, AND INSTALLATION OF WEATHERPROOF ISOLATION COVERS ON TANK PITS. DECLARE TWO PREVIOUSLY INTERIM STABILIZED SSTs INTERIM ISOLATED AS DEFINED IN THE TRI-PARTY AGREEMENT (TPA).

Description of what Constitutes Completion of the Commitment:

Deliverables; Complete Intrusion Prevention of SSTs 241-BX-106 and 241-BX-111 by 08/29/1997. Notify DOE-RL by issuing a letter that intrusion prevention has been completed at SSTs in 241-BX-106 and 241-BX-111.

Acceptance Criteria:

Intrusion Prevention is defined as the process of plugging or otherwise blocking pipelines leading into SSTs, and sealing pump or valve pits that drain back into SSTs, or installing barriers to avoid inadvertent liquid addition to an interim stabilized SST.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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WHC-SP-1101
REV. 1

Milestone Control No T21-97-290
WBS Number: 1.01.01.02.01.03.0027

Revision/CIN: 0
Due Date: 5/31/97
ADS No: 1120-2

Title: W-030, TANK FARM VENTILATION
UPGRADE, COMPLETING THE FOUR C'S

Schedule ID:

Scheduler: RIENDEAU

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Tansmittal of the four C's statement to RL by 5/31/97.

Description of what Constitutes Completion of the Commitment:

Completion of Project W-030 four C's (Construction, Completion and Cost Closing statement). Completion within 120 days of OAC III. (5/31/97)

Acceptance Criteria:

Approved Construction Completion and Cost Closing statement within WHC.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T21-97-291
WBS Number: 1.01.01.02.01.03.0027

Revision/CIN: 0
Due Date: 1/31/97
ADS No: 1120-2

Title: W-030, TANK FARM VENTILATION
UPGRADE, COMPLETION OF OAC III

Schedule ID:

Scheduler: RIENDEAU

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Letter to DOE-RL with copy of OAC III for approval.

Description of what Constitutes Completion of the Commitment:

Official Acceptance of Construction (OAC) III will be completed by 1/31/97, after Tie-in work. OAC III will take place one year past OAC I.

Acceptance Criteria:

Complete project scope turned over to Operations, Punchlist items closed, and system operating.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T2A-00-103
WBS Number: 1.01.01.02.01.03.0009

Revision/CIN: 0
Due Date: 9/30/2000
ADS No: 1100

Title: COMPLETE SINGLE-SHELL TANK
INTERIM STABILIZATION (M-41-00)

Schedule ID: SO05275A

Scheduler:

Milestone Level:

☒ TPA M-41-00
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE INTERIM STABILIZATION ACTIVITIES FOR ALL SINGLE-SHELL TANKS (SSTS) EXCEPT 241-C-106 (TO BE RETRIEVED IN ACCORDANCE WITH MILESTONE M-45-03). COMPLETE INTRUSION PREVENTION FOR ALL SSTS EXCEPT 241-C-106. □ INTRUSION PREVENTION IS DEFINED AS THE PROCESS OF PLUGGING OR OTHERWISE BLOCKING PIPELINES LEADING INTO SSTS, AND SEALING PUMP OR VALVE PITS THAT DRAIN BACK INTO SSTS OR INSTALLING BARRIERS TO AVOID INADVERTANT LIQUID ADDITION T SSTS.

Description of what Constitutes Completion of the Commitment:

A LETTER STATING COMPLETION OF THIS MILESTONE WILL BE SENT TO DOE-RL ON OR BEFORE SEPTEMBER 30, 2000.

Acceptance Criteria:

COMPLETE THE ITERIM STABILIZATION AS DEFINED IN APPENDIX A OF THE HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER, FOURTH AMENDMENT, JANUARY 1994, FOR 148 OF 149 SSTS (NOT INCLUDE C-106). COMPLETE INTRUSION PREVENTION FOR 148 OF 149 SSTS (NOT INCLUDE C-106).

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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Rev.2

WHC-SP-1101

Milestone Control No T2A-95-101
WBS Number: 1.01.01.02.01.03.0007

Revision/CIN: 2 M-41-95-01 REV. 1
Due Date: 11/30/95
ADS No: 1100

Title: COMPLETE INTERIM STABILIZATION
OF 5 SINGLE-SHELL TANKS IN BY & C
FARMS (M-41-01-T02)

Schedule ID: N1E510A080

Scheduler:

Milestone Level:

☒ TPA M-41-01-T02
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

TANKS 241-BY-102, 241-BY-109, 241-C-102, 241-C-107, AND 241-C-110 ARE DECLARED INTERIM STABILIZED AS DEFINED IN THE TRI-PARTY AGREEMENT (TPA).

Description of what Constitutes Completion of the Commitment:

NOTIFY RL THAT TANKS 241-BY-102, 241-BY-109, 241-C-102, 241-C-107, AND 241-C-110 ARE INTERIM STABILIZED, AS DEFERRED BY THE TRI-PARTY AGREEMENT.

Acceptance Criteria:

INTERIM STABILIZATION OCCURS WHEN THE PUMPING RATE DROPS TO 0.05 GALLONS PER MINUTE (GPM) AND THE REMAINING LIQUID DOES NOT CONTAIN GREATER THAN 50,000 GALLONS OF INTERSTITIAL LIQUID OR 5,000 GALLONS OF SUPERNATANT. DEFINITION IS PROVIDED IN THE TPA. AFTER COMPLETION OF THE MILESTONE, COMMENCE AND COMPLETE INTERIM STABILIZATION EVALUATION AS DESCRIBED IN WESTINGHOUSE HANFORD COMPANY (WHC) PROCEDURES, AND DECLARE TANK INTERIM STABILIZED IN ACCORDANCE WITH THIS PROCEDURE. INFORM RL VIA LETTER FROM MANAGER, TANK FARMS, THAT TANKS HAVE BEEN INTERIM STABILIZED. COMPLETION DATE IS PREDICATED ON PREVIOUS ESTIMATES OF TANK LIQUID CONTENTS. IN SOME CASES, THESE ESTIMATES HAVE BEEN LOW. THE MILESTONE WILL NOT BE CONSIDERED MISSED IF ANY TANKS ARE STILL BEING PUMPED ON 11/30/95 AND THE AMOUNT OF LIQUID REMOVED IS GREATER THAN ESTIMATED AND THE PUMPING EFFICIENCY IS 50 PERCENT OR GREATER. IN THIS EVENT, A NEW COMPLETION DATE WILL BE DETERMINED AND AGREED TO BY RL AND REGULATORS.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

v1.30 - Report Date: 9/20/95 1:30:57 PM

A3-50

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T2A-95-112
WBS Number: 1.01.01.02.01.03.0013

Revision/CIN:
Due Date: 4/30/95
ADS No: 1100
Schedule ID: C310CM2

Title: DST Integrity Assessments - UT Equipment
Performance Test

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
PERFORMANCE
TEST
PLAN

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

THE EQUIPMENT FOR ULTRASONIC INSPECTION (UT) OF THE DOUBLE SHELL TANK (DST) STEEL SHELLS IS BEING DEVELOPED BY RAYTHEON IN ACCORDANCE WITH THE WHC PERFORMANCE SPECIFICATION. A PERFORMANCE TEST WILL DETERMINE IF THE EQUIPMENT MEETS THE REQUIREMENTS OF THE SPECIFICATION. THE PERFORMANCE TEST WILL BE PERFORMED AT THE 337 HIGH BAY WHERE THERE IS A DST SHELL MOCKUP. THE UT SYSTEM AND EACH MAJOR SUBSYSTEM WILL BE TESTED FOR PROPER FUNCTION IN ACCORDANCE WITH THE PERFORMANCE TEST PLAN.

Description of what Constitutes Completion of the Commitment:

ISSUE PERFORMANCE TEST PLAN TO DOE-RL - 4/30/95

Acceptance Criteria:

A PERFORMANCE TEST REPORT WRITTEN IN SUFFICIENT DETAIL TO SHOW COMPLIANCE WITH THE PERFORMANCE TEST PLAN AND SUPPORT ALL CONCLUSIONS.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T2A-95-113
WBS Number: 1.01.01.02.01.03.0013

Revision/CIN:
Due Date: 9/29/95
ADS No: 1100
Schedule ID: C310DM1

Title: DST Integrity Assessments - DST UT
Inspection

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

FOLLOWING COMPLETION OF THE PERFORMANCE TEST AND THE READINESS ASSESSMENT, THE UT EQUIPMENT WILL BE DEPLOYED TO INSPECT ONE DST FOR WALL THICKNESS, CORROSION PITS, AND CRACKS. THE INSPECTION IS ONE OF THE INTEGRITY EXAMINATIONS REQUIRED BY THE DEPARTMENT OF ECOLOGY. THE COMPLETE SET OF INSPECTIONS FOR DST INTEGRITY ASSESSMENTS IS PRESENTED IN THE DST INTEGRITY ASSESSMENT PROGRAM PLAN (WHC-SD-WM-AP-017), REV. 1). THE INSPECTION RESULTS WILL BE REPORTED DAILY UNTIL COMPLETION OF THE INSPECTION. A REPORT OF THE INSPECTION WITH RESULTS AND CONCLUSIONS WILL BE ISSUED FOLLOWING COMPLETION OF THE INSPECTION OF ONE TANK.

Description of what Constitutes Completion of the Commitment:

ISSUE INSPECTION REPORT FOR ONE DST UT INSPECTION.

Acceptance Criteria:

THE INSPECTION REPORT WILL SUMMARIZE THE FINDINGS, THE RESOLUTIONS, AND ACTIONS (IF ANY) THAT RESULTED FROM THE INSPECTION.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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REV. 1

Milestone Control No T2A-95-123
WBS Number: 1.01.01.02.01.03.0002

Revision/CIN:
Due Date: ~~3/31/95~~ 9/29/95
ADS No: 1100

Title: Develop Maintenance Implementation Plan

Schedule ID: N1F620C10
Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
TYMP

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

A MAINTENANCE IMPLEMENTATION PLAN (MIP) WILL BE DEVELOPED AFTER RULE 10 CFR (4330.4B) HAS BEEN ISSUED. THE THREE YEAR MAINTENANCE PLAN (TYMP) WILL BE DEVELOPED AND A DRAFT SUBMITTED TO DOE-RL FOR REVIEW.

Description of what Constitutes Completion of the Commitment:

THE TYMP TO DOE-RL BY MARCH 31, 1995.

Acceptance Criteria:

THE MIP WILL BE DELIVERED TO DOE-RL FOR THEIR REVIEW WITHIN TWELVE MONTHS AFTER THE 10 CFR RULE HAS BEEN ISSUED. THE TYMP WILL BE DELIVERED TO DOE-RL FOR THEIR REVIEW.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T2A-95-130
WBS Number: 1.01.01.02.01.03.0009

Revision/CIN:
Due Date: 9/30/95
ADS No: 1100
Schedule ID: N1E510E040

Title: Complete Partial Interim Stabilization
Preparations for 2 Flammable Gas Watch
List Tanks in 241-A/AX Tank Farms

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
RESOURCE - LOADED
SCHEDULE

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

PREPARE AND ISSUE APPROVED RESOURCE-LOADED SCHEDULE FOR ALL REPAIRS NEEDED TO 2 FLAMMABLE GAS WATCH LIST SINGLE-SHELL TANKS (SSTS) 241-A-101 AND 241-AX-101 IN 241-A/AX TANK FARMS, SO THAT ALL REPAIRS NEEDED TO COMMENCE INTERIM STABILIZATION ARE COMPLETED BY 4/30/96. PROVIDE THIS SCHEDULE TO RL BY 9/30/95. COMMENCE PREPARATIONS FOR INTERIM STABILIZATION NECESSARY TO SUPPORT PUMPING 2 FLAMMABLE GAS WATCH LIST SSTS IN 241-A/AX TANK FARMS, SUFFICIENT TO SUPPORT THE ASSOCIATED TRI-PARTY AGREEMENT MILESTONE M-41-10, ACCORDING TO THE SCHEDULE DESCRIBED ABOVE.

Description of what Constitutes Completion of the Commitment:

PROVIDE COPY OF RESOURCE-LOADED SCHEDULE TO RL BY 9/30/95.

Acceptance Criteria:

PREPARATIONS TO INTERIM STABILIZE TANKS 241-A-101 AND 241-AX-101 ARE COMPLETED AS REQUIRED BY SUBMITTED SCHEDULE.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T2A-95-134
WBS Number: 1.01.01.02.01.03.0004

Revision/CIN:
Due Date: 9/29/95
ADS No: 1100
Schedule ID: N1F640F20

Title: Complete 200 East Area 9 In-Tank
Photography/20 Pit Inspections

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
PHOTOS AND VIDEOS

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

PERFORM IN-TANK PHOTOGRAPHY AND PIT INSPECTIONS IN 200 EAST AREA. THIS IS TO INCLUDE: □-COMPLETE 9 IN-TANK PHOTOGRAPHY MISSIONS. □-COMPLETE 20 PIT INVENTORY AND/OR INSPECTIONS VIDEOS.

Description of what Constitutes Completion of the Commitment:

TRANSMITTAL OF 9 IN-TANK PHOTOS AND 20 PIT INVENTORY VIDEOS FOR DOE-RL REVIEW.

Acceptance Criteria:

DOCUMENTED RESULTS OF 9 IN-TANK PHOTOS AND 20 PIT INVENTORY VIDEOS.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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REV. 1

Milestone Control No T2A-95-322
WBS Number: 1.01.01.02.01.03.0007

Revision/CIN:
Due Date: 7/31/95
ADS No: 1100-0-NE
Schedule ID: N1E510A013

Title: COMPLETE INTERIM STABILIZATION
OF SINGLE-SHELL TANK 241-BY-102

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

TANK 241-BY-102 IS DECLARED INTERIM STABILIZED AS DEFINED IN THE TRI-PARTY AGREEMENT (TPA).

Description of what Constitutes Completion of the Commitment:

NOTIFY RL THAT TANKS 241-BY-102 IS INTERIM STABILIZED.

Acceptance Criteria:

INTERIM STABILIZATION OCCURS WHEN THE PUMPING RATE DROPS TO 0.05 GALLONS PER MINUTES (GPM) AND THE REMAINING LIQUID DOES NOT CONTAIN GREATER THAN 50,000 GALLONS OF INTERSTITIAL LIQUID OR 5,000 GALLONS OF SUPERNATANT. DEFINITION IS PROVIDED IN THE TPA. AFTER COMPLETION OF THE MILESTONE, COMMENCE AND COMPLETE INTERIM STABILIZATION EVALUATION AS DESCRIBED IN WESTINGHOUSE HANFORD COMPANY (WHC) PROCEDURES, AND DECLARE TANK INTERIM STABILIZED IN ACCORDANCE WITH THIS PROCEDURE. INFORM RL VIA LETTER FROM MANAGER, TANK FARMS, THAT TANKS HAVE BEEN INTERIM STABILIZED. COMPLETION DATE IS PREDICATED ON PREVIOUS ESTIMATES OF TANK LIQUID CONTENTS. IN SOME CASES, THESE ESTIMATES HAVE BEEN LOW. THE MILESTONE WILL NOT BE CONSIDERED MISSED IF THE TANK IS STILL BEING PUMPED ON 7/31/95 AND THE AMOUNT OF LIQUID REMOVED AFTER JANUARY 1, 1995 IS GREATER THAN 16,800 GALLONS AND THE PUMPING EFFICIENCY IS 35 PERCENT OR GREATER. IN THIS EVENT, A NEW COMPLETION DATE WILL BE DETERMINED AND AGREED TO BY RL AND WHC.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
Milestone Description Sheet**

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Milestone Control No T2A-95-323
WBS Number: 1.01.01.02.01.03.0010

Revision/CIN:
Due Date: 9/30/95
ADS No: 1110-0-NE
Schedule ID: N1E510A025

Title: COMPLETE INTERIM STABILIZATION
OF SINGLE-SHELL TANK 241-C-102

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

TANK 241-C-102 IS DECLARED INTERIM STABILIZED AS DEFINED IN THE TRI-PARTY AGREEMENT (TPA).

Description of what Constitutes Completion of the Commitment:

NOTIFY RL THAT TANKS 241-C-102 IS INTERIM STABILIZED.

Acceptance Criteria:

INTERIM STABILIZATION OCCURS WHEN THE PUMPING RATE DROPS TO 0.05 GALLONS PER MINUTES (GPM) AND THE REMAINING LIQUID DOES NOT CONTAIN GREATER THAN 50,000 GALLONS OF INTERSTITIAL LIQUID OR 5,000 GALLONS OF SUPERNATANT. DEFINITION IS PROVIDED IN THE TPA. AFTER COMPLETION OF THE MILESTONE, COMMENCE AND COMPLETE INTERIM STABILIZATION EVALUATION AS DESCRIBED IN WESTINGHOUSE HANFORD COMPANY (WHC) PROCEDURES, AND DECLARE TANK INTERIM STABILIZED IN ACCORDANCE WITH THIS PROCEDURE. INFORM RL VIA LETTER FROM MANAGER, TANK FARMS, THAT TANKS HAVE BEEN INTERIM STABILIZED. COMPLETION DATE IS PREDICATED ON PREVIOUS ESTIMATES OF TANK LIQUID CONTENTS. IN SOME CASES, THESE ESTIMATES HAVE BEEN LOW. THE MILESTONE WILL NOT BE CONSIDERED MISSED IF THE TANK IS STILL BEING PUMPED ON 9/30/95 AND THE AMOUNT OF LIQUID REMOVED AFTER JANUARY 1, 1995 IS GREATER THAN 20,800 GALLONS AND THE PUMPING EFFICIENCY IS 35 PERCENT OR GREATER. IN THIS EVENT, A NEW COMPLETION DATE WILL BE DETERMINED AND AGREED TO BY RL AND WHC.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1

Milestone Control No T2A-95-324
WBS Number: 1.01.01.02.01.03.0010

Revision/CIN:
Due Date: 8/31/95
ADS No: 1110-0-NE
Schedule ID: N1E510A040

Title: COMPLETE INTERIM STABILIZATION
OF SINGLE-SHELL TANK 241-C-107

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

TANK 241-C-107 IS DECLARED INTERIM STABILIZED AS DEFINED IN THE TRI-PARTY AGREEMENT (TPA).

Description of what Constitutes Completion of the Commitment:

NOTIFY RL THAT TANKS 241-C-107 IS INTERIM STABILIZED.

Acceptance Criteria:

INTERIM STABILIZATION OCCURS WHEN THE PUMPING RATE DROPS TO 0.05 GALLONS PER MINUTES (GPM) AND THE REMAINING LIQUID DOES NOT CONTAIN GREATER THAN 50,000 GALLONS OF INTERSTITIAL LIQUID OR 5,000 GALLONS OF SUPERNATANT. DEFINITION IS PROVIDED IN THE TPA. AFTER COMPLETION OF THE MILESTONE, COMMENCE AND COMPLETE INTERIM STABILIZATION EVALUATION AS DESCRIBED IN WESTINGHOUSE HANFORD COMPANY (WHC) PROCEDURES, AND DECLARE TANK INTERIM STABILIZED IN ACCORDANCE WITH THIS PROCEDURE. INFORM RL VIA LETTER FROM MANAGER, TANK FARMS, THAT TANKS HAVE BEEN INTERIM STABILIZED. COMPLETION DATE IS PREDICATED ON PREVIOUS ESTIMATES OF TANK LIQUID CONTENTS. IN SOME CASES, THESE ESTIMATES HAVE BEEN LOW. THE MILESTONE WILL NOT BE CONSIDERED MISSED IF THE TANK IS STILL BEING PUMPED ON 8/31/95 AND THE AMOUNT OF LIQUID REMOVED AFTER JANUARY 1, 1995 IS GREATER THAN 17,100 GALLONS AND THE PUMPING EFFICIENCY IS 35 PERCENT OR GREATER. IN THIS EVENT, A NEW COMPLETION DATE WILL BE DETERMINED AND AGREED TO BY RL AND WHC.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
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REV. 1

Milestone Control No T2A-95-325
WBS Number: 1.01.01.02.01.03.0010

Revision/CIN:
Due Date: 5/31/95
ADS No: 1110-0-NE
Schedule ID: N1E510A055

Title: COMPLETE INTERIM STABILIZATION
OF SINGLE-SHELL TANK 241-C-110

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

TANK 241-C-110 IS DECLARED INTERIM STABILIZED AS DEFINED IN THE TRI-PARTY AGREEMENT (TPA).

Description of what Constitutes Completion of the Commitment:

NOTIFY RL THAT TANKS 241-C-110 IS INTERIM STABILIZED.

Acceptance Criteria:

INTERIM STABILIZATION OCCURS WHEN THE PUMPING RATE DROPS TO 0.05 GALLONS PER MINUTES (GPM) AND THE REMAINING LIQUID DOES NOT CONTAIN GREATER THAN 50,000 GALLONS OF INTERSTITIAL LIQUID OR 5,000 GALLONS OF SUPERNATANT. DEFINITION IS PROVIDED IN THE TPA. AFTER COMPLETION OF THE MILESTONE, COMMENCE AND COMPLETE INTERIM STABILIZATION EVALUATION AS DESCRIBED IN WESTINGHOUSE HANFORD COMPANY (WHC) PROCEDURES, AND DECLARE TANK INTERIM STABILIZED IN ACCORDANCE WITH THIS PROCEDURE. INFORM RL VIA LETTER FROM MANAGER, TANK FARMS, THAT TANKS HAVE BEEN INTERIM STABILIZED. COMPLETION DATE IS PREDICATED ON PREVIOUS ESTIMATES OF TANK LIQUID CONTENTS. IN SOME CASES, THESE ESTIMATES HAVE BEEN LOW. THE MILESTONE WILL NOT BE CONSIDERED MISSED IF THE TANK IS STILL BEING PUMPED ON 5/31/95 AND THE AMOUNT OF LIQUID REMOVED AFTER JANUARY 1, 1995 IS GREATER THAN 1,300 GALLONS AND THE PUMPING EFFICIENCY IS 35 PERCENT OR GREATER. IN THIS EVENT, A NEW COMPLETION DATE WILL BE DETERMINED AND AGREED TO BY RL AND WHC.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1

Milestone Control No T2A-96-102
WBS Number: 1.01.01.02.01.03.0009

Revision/CIN: 0
Due Date: 4/30/96
ADS No: 1100
Schedule ID: N1E510E045

Title: START INTERIM STABILIZATION OF 2
FLAMMABLE GAS WATCH LIST TANKS
IN 241-A/AX TANK FARMS (M-41-10)

Scheduler:

Milestone Level:

☒ TPA M-41-10
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE ALL PHYSICAL ACTIVITIES AND COMPREHENSIVE REVIEWS REQUIRED TO START PUMPS OF 2 FLAMMABLE GAS WATCH LIST TANKS, 241-A-101 AND 241-AX-101. PROVIDE INTERIM STABILIZATION ENGINEERING, OPERATIONS, AND MAINTENANCE SUPPORT TO RESOLVE ISSUES AND START PUMPING FOR TANKS 241-A-101 AND 241-AX-101. NOTIFY RL WHEN COMPLETED.

Description of what Constitutes Completion of the Commitment:

NOTIFY RL THAT PUMPING HAS BEEN INITIATED FOR TANKS 241-A-101 AND 241-AX-101.

Acceptance Criteria:

PUMPING OF ONE GALLON OF LIQUID FROM EACH FLAMMABLE GAS WATCH LIST TANK 241-A-101 AND 241-AX-101 WILL CONSTITUTE THE START OF PUMPING AND MILESTONE COMPLETION.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T2A-96-114
WBS Number: 1.01.01.02.01.03.0010

Revision/CIN: 1 TWR-95-047 REV. 1

Due Date: 9/30/96

ADS No: 1100

Title: Complete Intrusion Prevention in 9 SSTs

Schedule ID: N1E520A009

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

PROVIDE ALL ENGINEERING, OPERATIONAL, MAINTENANCE, FABRICATION SUPPORT FOR INTRUSION PREVENTION FOR 9SSTS IN TANK FARMS. THIS INCLUDES TROUBLE-SHOOTING, REPAIR AND EQUIPMENT UPGRADES, CUTTING AND CAPPING PIPING FOR TANK ISOLATION, AND INSTALLATION OF WEATHER-PROOF ISOLATION COVERS ON TANK PITS. DECLARE 9 PREVIOUSLY INTERIM STABILIZED SSTs INTERIM ISOLATEC AS DEFINED IN THE TRI-PARTY AGREEMENT (TPA).

Description of what Constitutes Completion of the Commitment:

NOTIFY RL THAT INTRUSION PREVENTION HAS BEEN COMPLETED FOR 9 SSTs.

Acceptance Criteria:

INTRUSION PREVENTION IS DEFINED AS THE PROCESS OF PLUGGING OR OTHERWISE BLOCKING PIPELINES LEADING INTO SSTs AND SEALING PUMP OR VALVE PITS THAT DRAIN BACK INTO SSTs, OR INSTALLING BARRIERS TO AVOID INADVERTENT LIQUID ADDITION TO AN INTERIM STABILIZED SST.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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WHC-SP-1101

Milestone Control No T2A-96-120
WBS Number: 1.01.01.02.01.03.0010

Revision/CIN: 1 TWR-95-047 REV. 1
Due Date: 9/30/96
ADS No: 1100-0-NE

Title: FY96 - INSTALL LIQUID OBSERVATION
WELLS (LOWS) IN AN ADDITIONAL 27
SINGLE-SHELL TANKS

Schedule ID: N1E570D018

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

INSTALL LIQUID OBSERVATION WELLS (LOWS) IN 27 SINGLE-SHELL WASTE STORAGE TANKS HAVING WASTE GREATER THAN 2 FEET IN DEPTH. PROVIDE ALL ENGINEERING, SAFETY STUDIES, SAFETY REVIEWS (SCREENINGS), OPERATION, FABRICATION, AND CONSTRUCTION SUPPORT FOR THE INSTALLATION OF 27 LOWS. THE COMPLETION OF THIS MILESTONE IS DEPENDENT ON THE COMPLETION OF CORE SAMPLING OF SUFFICIENT SSTs REQUIRING LOW INSTALLATION.

Description of what Constitutes Completion of the Commitment:

NOTIFY RL THAT NEW LOWS HAVE BEEN INSTALLED IN 27 SINGLE-SHELL TANKS HAVING WASTE GREATER THAN 2 FEET IN DEPTH.

Acceptance Criteria:

A FUNCTIONAL LOW IS AVAILABLE TO OBTAIN INTERSTITIAL LIQUID LEVEL MEASUREMENTS AS SPECIFIED IN THE OPERATING PROCEDURES.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T2A-97-102
WBS Number: 1.01.01.02.01.03.0007

Revision/CIN: 1 M-41-94-02
Due Date: ~~8/31/95~~ 10/19/95
ADS No: 1100

Title: START INTERIM STABILIZATION OF 4
FERROCYANIDE WATCH LIST TANKS
IN 241-BX/BY TANK FARMS (M-41-12)

Schedule ID: N1E510K002

Scheduler:

Milestone Level:

☒ TPA M-41-12
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE ALL PHYSICAL ACTIVITIES AND COMPREHENSIVE REVIEWS TO START PUMPS OF 4 FERROCYANIDE WATCH LIST TANKS 241-BX-106, 241-BY-103, 241-BY-105, AND 241-BY-106. PROVIDE INTERIM STABILIZATION ENGINEERING, OPERATIONS, AND MAINTENANCE SUPPORT TO RESOLVE ISSUES AND START PUMPING FOR TANKS 241-BX-106, 241-BY-103, 241-BY-105, AND 241-BY-106. NOTIFY RL WHEN COMPLETED.

Description of what Constitutes Completion of the Commitment:

NOTIFY RL THAT PUMPING HAS BEEN INITIATED FOR TANKS 241-BX-106, 241-BY-103, 241-BY-105, AND 241-BY-106.

Acceptance Criteria:

PUMPING OF ONE GALLON OF LIQUID FROM EACH FERROCYANIDE WATCH LIST TANK 241-BX-106, 241-BY-103, 241-BY-105, AND 241-BY-106 WILL CONSTITUTE THE START OF PUMPING AND MILESTONE COMPLETION.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
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REV. 1

Milestone Control No T2A-97-112
WBS Number: 1.01.01.02.01.03.0010

Revision/CIN:
Due Date: 9/30/97
ADS No: 1100

Title: Complete Intrusion Prevention in 4 SSTs

Schedule ID: N1E520A013
Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

PROVIDE ALL ENGINEERING, OPERATIONAL, MAINTENANCE, FABRICATION SUPPORT FOR INTRUSION PREVENTION FOR 4 SSTs IN TANK FARMS. THIS INCLUDES TROUBLE-SHOOTING, REPAIR AND EQUIPMENT UPGRADES, CUTTING AND CAPPING PIPING FOR TANK ISOLATION, AND INSTALLATION OF WEATHERPROOF ISOLATION COVERS ON TANK PITS. DECLARE 4 PREVIOUSLY INTERIM STABILIZED SSTs INTERIM ISOLATED AS DEFINED IN THE TRI-PARTY AGREEMENT (TPA).

Description of what Constitutes Completion of the Commitment:

NOTIFY RL THAT INTRUSION PREVENTION HAS BEEN COMPLETED FOR 4 SSTs.

Acceptance Criteria:

INTRUSION PREVENTION IS DEFINED AS THE PROCESS OF PLUGGING OR OTHERWISE BLOCKING PIPELINES LEADING INTO SSTs, AND SEALING PUMP OR VALVE PITS THAT DRAIN BACK INTO SSTs, OR INSTALLING BARRIERS TO AVOID INADVERTENT LIQUID ADDITION TO AN INTERIM STABILIZED SST.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1

Milestone Control No T2A-97-114
WBS Number: 1.01.01.02.01.03.0010

Revision/CIN:
Due Date: 9/30/97
ADS No: 1100-0-NE
Schedule ID: N1E570E018

Title: FY97 - INSTALL LIQUID OBSERVATION
WELLS (LOWS) IN AN ADDITIONAL 15
SINGLE-SHELL TANKS

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

INSTALL LIQUID OBSERVATION WELLS (LOWS) IN 15 SINGLE-SHELL WASTE STORAGE TANKS HAVING WASTE GREATER THAN 2 FEET IN DEPTH. PROVIDE ALL ENGINEERING SAFETY STUDIES, SAFETY REVIEWS (SCREENINGS), OPERATION, FABRICATION, AND CONSTRUCTION SUPPORT FOR THE INSTALLATION OF 15 LOWS. THE COMPLETION OF THIS MILESTONE IS DEPENDENT ON THE COMPLETION OF CORE SAMPLING OF SUFFICIENT SSTs REQUIRING LOW INSTALLATION.

Description of what Constitutes Completion of the Commitment:

NOTIFY RL THAT NEW LOWS HAVE BEEN INSTALLED IN 15 SINGLE-SHELL TANKS HAVING WASTE GREATER THAN 2 FEET IN DEPTH.

Acceptance Criteria:

A FUNCTIONAL LOW IS AVAILABLE TO OBTAIN INTERSTITIAL LIQUID LEVEL MEASUREMENTS AS SPECIFIED IN THE OPERATING PROCEDURES.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System

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Milestone Description Sheet

WHC-SP-1101

Milestone Control No T2A-98-100

Revision/CIN: 2 M-41-94-02 REV. 1

WBS Number: 1.01.01.02.01.03.0006-
0007

Due Date: 12/31/97

ADS No: 1100

Title: COMPLETE INTERIM STABILIZATION
OF TANKS 241-BX-106, BY-103, AND BY-
106

Schedule ID: N1f67A9885

Scheduler:

Milestone Level:

☒ TPA M-41-12-T01
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Response to
TPA Milestone

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Tank 241-BX-106, BY-103, and BY-106 is declared interim stabilized as defined in the Tri-Party Agreement.

Description of what Constitutes Completion of the Commitment:

Interim stabilization occurs when the pumping rate drops to 0.05 gallons per minute (gpm) and the remaining liquid does not contain greater than 50,000 gallons of interstitial liquid or 5,000 gallons of supernate. Definition is provided in the Tri-Party Agreement. After completion of the milestone, commence, and complete interim stabilization evaluation as described in WHCs procedures, and declare tank interim stabilized in accordance with this procedure. Inform RL via letter from Manager, Tank Farms, that tanks have been interim stabilized. Completion date is predicated on previous estimates of tank liquid contents. In some cases, these estimates have been low. The milestone will not be considered missed if tank is still being pumped on April 30, 1997, and the amount of liquid removed is greater than estimated and the pumping efficiency is 60 percent or greater. In this event, a new completion date will be determined and agreed to by RL and regulators.

Acceptance Criteria:

Notify RL that Tank 241-BX-106, BY-103, and BY-106 is interim stabilized.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T2A-98-107
WBS Number: 1.01.01.02.01.03.0010

Revision/CIN: 0
Due Date: 9/30/98
ADS No: 1100

Title: START INTERIM STABILIZATION OF 1
ORGANIC WATCH LIST TANK IN 241-C
TANK FARM (M-41-19)

Schedule ID: N1F6AA9811

Scheduler:

Milestone Level:

☒ TPA M-41-19
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE ALL PHYSICAL ACTIVITIES AND COMPREHENSIVE REVIEWS REQUIRED TO START, AND THEN COMMENCE INTERIM STABILIZATION PUMPING INTO CR-003 DOUBLE-CONTAINED RECEIVER TANK FOR TANK 241-C-103. PROVIDE INTERIM STABILIZATION ENGINEERING, OPERATIONS, AND MAINTENANCE SUPORT TO RESOLVE ISSUES FOR PUMPING.

Description of what Constitutes Completion of the Commitment:

A LETTER WILL BE SENT TO DOE-RL WITHIN FIVE WORKING DAYS OF MILESTONE COMPLETION; STATING THAT INTERIM STABILIZATION OF ONE ORGANIC WATCH LIST TANK IN 241-C TANK FARM WAS STARTED ON OR BEFORE SEPTEMBER 30, 1998.

Acceptance Criteria:

PUMP ONE GALLON OF LIQUID FROM ORGANIC WATCH LIST TANK IN 241-C-TANK FARM WILL CONSTITUTE THE START OF PUMPING AND MILESTONE COMPLETION.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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REV. 1

Milestone Control No T2A-99-100
WBS Number: 1.01.01.02.01.03.0009

Revision/CIN: 0
Due Date: 12/31/98
ADS No: 1100

Title: COMPLETE INTERIM STABILIZATION
OF 2 FLAMMABLE GAS WATCH LIST
TANKS IN 241-A/AX TANK FARMS (M-
41-10-T01)

Schedule ID: N1E510E055

Scheduler:

Milestone Level:

☒ TPA M-41-10-T01
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Tanks 241-A-101 and 241-AX-101 are declared interim stabilized as defined in the Tri-Party Agreement.

Description of what Constitutes Completion of the Commitment:

Interim stabilization occurs when the pumping rate drops to 0.05 gallons per minute (gpm) and the remaining liquid does not contain greater than 50,000 gallons of interstitial liquid or 5,000 gallons of supernatant. Definition is provided in the Tri-Party Agreement. After completion of the milestone, commence, and complete interim stabilization evaluation as described in WHCs procedures, and declare tank interim stabilized in accordance with this procedure. Inform RL via letter from Manager, Tank Farms, that tanks have been interim stabilized. Completion date is predicated on previous estimates of tank liquid contents. In some cases, these estimates have been low. The milestone will not be considered missed if a tank is still being pumped on December 31, 1998, and the amount of liquid removed is greater than estimated and the pumping efficiency is 60 percent or greater. In this event, a new completion date will be determined and agreed to by RL and regulators.

Acceptance Criteria:

Notify RL that tanks 241-A-101 and 241-AX-101 are interim stabilized.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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WHC-SP-1101
REV. 1

Milestone Control No T2A-99-103
WBS Number: 1.01.01.02.01.03.0010

Revision/CIN: 0
Due Date: 3/31/99
ADS No: 1100

Title: COMPLETE INTERIM STABILIZATION
OF 1 FLAMMABLE WATCH LIST TANKS
IN 241-C TANK FARM (M-41-19-T01)

Schedule ID: N1E510A115

Scheduler:

Milestone Level:

☒ TPA M-41-19-T01
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Description of what Constitutes Completion of the Commitment:

Interim stabilization occurs when the pumping rate drops to 0.05 gallons per minute (gpm) and the remaining liquid does not contain greater than 50,000 gallons of interstitial liquid or 5,000 gallons of supernate. Definition is provided in the Tri-Party Agreement. After completion of the milestone, commence, and complete interim stabilization evaluation as described in WHCs procedures, and declare tank interim stabilized in accordance with this procedure. Inform RL via letter from Manager, Tank Farms, that tanks have been interim stabilized. Completion date is predicated on previous estimates of tank liquid contents. In some cases, these estimates have been low. The milestone will not be considered missed if tank is still being pumped on 3/31/99, and the amount of liquid removed is greater than estimated and the pumping efficiency is 60 percent or greater. In this event, a new completion date will be determined and agreed to by RL and regulators.

Acceptance Criteria:

Notify RL that Tank 241-C-103 is interim stabilized.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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WHC-SP-1101
REV. 1

Milestone Control No T2C-95-015
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 5/31/95
ADS No: 1120

Title: PROVIDE THE WASHINGTON STATE
DEPARTMENT OF ECOLOGY AND
DEPARTMENT OF HEALTH THE
PROJECT CONCEPTUAL DESIGN
REPORT OF PROJECT W-314A (M-43-
04A)

Schedule ID: N3F710E05M

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-04A
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
DRB PACKAGE

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

PROVIDE THE WDOE AND DOH WITH COPIES OF THE APPROVED W-314 CONCEPTUAL DESIGN DOCUMENTATION (DESIGN REQUIREMENTS BASELINE).

Description of what Constitutes Completion of the Commitment:

THE PROJECT WILL FOLLOW THE GUIDANCE OF THE TWRS SYSTEMS ENGINEERING MANAGEMENT PLAN, AND WILL PRODUCE A DESIGN REQUIREMENTS BASELINE (DRB) PACKAGE IN PLACE OF A CONCEPTUAL DESIGN REPORT.

Acceptance Criteria:

FORMAL SUBMITTAL OF THE RL-APPROVED W-314 CONCEPTUAL DESIGN DOCUMENTATION (DESIGN REQUIREMENTS BASELINE) IN ACCORDANCE WITH TPA MILESTONE M-43-04A.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No T2C-95-101
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 6/30/95
ADS No: 1120

Title: RECEIVE DOE-HQ PROJECT
VALIDATION TO REQUEST
CONGRESSIONAL FUNDING FOR W-
314B (M-43-02-T06)

Schedule ID: N3F710L010

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-02-T06
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

RECEIVE DOE-HQ PROJECT VALIDATION TO REQUEST CONGRESSIONAL FUNDING FOR
SUBPROJECT W-314B.

Description of what Constitutes Completion of the Commitment:

A FORMAL NOTIFICATION FROM DOE-HQ OF PROJECT W-314B VALIDATION APPROVAL.

Acceptance Criteria:

RECEIVE FORMAL NOTIFICATION FROM DOE-HQ OF VALIDATION APPROVAL.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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WHC-SP-1101
REV. 1

Milestone Control No T2C-95-102
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 5/31/95
ADS No: 1120
Schedule ID: N3F710E04M

Title: PROVIDE THE WASHINGTON STATE
DEPARTMENT OF ECOLOGY AND
DEPARTMENT OF HEALTH THE
PROJECT CONCEPTUAL DESIGN
REPORT OF PROJECT W-314B, DOUBLE-
SHELL TANK UPGRADE (M-43-02A)

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-02A
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
DEPT. OF ECOLOGY
DEPT. OF HEALTH

Description of this Commitment:

PROVIDE THE WDOE AND DOH WITH COPIES OF THE APPROVED W-314 CONCEPTUAL DESIGN DOCUMENTATION (DESIGN REQUIREMENTS BASELINE).

Description of what Constitutes Completion of the Commitment:

THE PROJECT WILL FOLLOW THE GUIDANCE OF THE TWRS SYSTEMS ENGINEERING MANAGEMENT PLAN, AND WILL PRODUCE A DESIGN REQUIREMENTS BASELINE (DRB) PACKAGE IN PLACE OF A CONCEPTUAL DESIGN REPORT.

Acceptance Criteria:

FORMAL SUBMITTAL OF THE RL-APPROVED W-314 CONCEPTUAL DESIGN DOCUMENTATION (DESIGN REQUIREMENTS BASELINE) IN ACCORDANCE WITH TPA MILESTONE M-43-02A.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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WHC-SP-1101
REV. 1

Milestone Control No T2C-95-104
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 6/30/95
ADS No: 1120
Schedule ID: N3F710L01N

Title: RECEIVE DOE-HQ PROJECT
VALIDATION TO REQUEST
CONGRESSIONAL FUNDING FOR W-
314A (M-43-04-T05)

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-04-T05
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

RECEIVE DOE-HQ PROJECT VALIDATION TO REQUEST CONGRESSIONAL FUNDING FOR
SUBPROJECT W-314A.

Description of what Constitutes Completion of the Commitment:

A FORMAL NOTIFICATION FROM DOE-HQ OF PROJECT W-314A VALIDATION APPROVAL.

Acceptance Criteria:

RECEIVE FORMAL NOTIFICATION FROM DOE-HQ OF VALIDATION APPROVAL.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T2C-95-107
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 4/30/95
ADS No: 1120
Schedule ID: N3F710A02

Title: PROVIDE ECOLOGY THE PROJECT
FUNCTIONS & REQUIREMENTS FOR W-
314C (M-43-05-T02)

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-05-T02
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
DEPT. OF ECOLOGY

Description of this Commitment:

PROVIDE THE WASHINGTON STATE DEPARTMENT OF ECOLOGY WITH THE APPROVED
PROJECT W-314C FUNCTION AND REQUIREMENTS.

Description of what Constitutes Completion of the Commitment:

THE PROJECT W-314C FUNCTIONS AND REQUIREMENTS DOCUMENT.

Acceptance Criteria:

THE SUBMITTAL OF THE APPROVED PROJECT W-314C FUNCTION AND REQUIREMENTS TO THE
WASHINGTON STATE DEPARTMENT OF ECOLOGY.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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WHC-SP-1101

Milestone Control No T2C-95-118
WBS Number: 1.01.01.02.01.03.0023

Revision/CIN: 1 TWR-95-044 REV. 1

Due Date: 7/15/95

ADS No: 1120-0

Title: Component Removal Equipment
Modifications - Final Design

Schedule ID: N3K960301M

Scheduler: Moore

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Description of what Constitutes Completion of the Commitment:

Acceptance Criteria:

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed _____

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T2C-95-405
WBS Number: 1.01.01.02.01.03.0022

Revision/CIN:
Due Date: 4/28/95
ADS No: 1120
Schedule ID: N3E510EM
Scheduler: Ohl

Title: Engineering Design for CP Upgrades

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Description of what Constitutes Completion of the Commitment:

Acceptance Criteria:

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T2C-95-500
WBS Number: 1.01.01.02.01.03.0021

Revision/CIN:
Due Date: 2/28/95
ADS No: 1120
Schedule ID: N3D410D00M

Title: ESTABLISH FARM BY FARM PRIORITY
FOR W-314 UPGRADES

Scheduler: Rutherford

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Description of what Constitutes Completion of the Commitment:

Acceptance Criteria:

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed _____

WHC Responsible Manager/Date

DOE Manager/Date

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WHC-SP-1101

Milestone Control No T2C-95-501
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 1 TWR-95-044

REV. 1

Due Date: 9/1/96

ADS No: 1120

Title: APPROVE/ISSUE A-E/CM CONTRACT
FOR W-314 ACD/TITLE 1 DESIGN

Schedule ID: N3F710C04M

Scheduler: Rutherford

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
CONTRACT

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

APPROVE AND ISSUE THE W-314 ARCHITECT-ENGINEER/CONSTRUCTION MANAGEMENT (A-E/CM) CONTRACT FOR ACD AND TITLE I.

Description of what Constitutes Completion of the Commitment:

APPROVED A-E/CM CONTRACT.

Acceptance Criteria:

RL APPROVAL OF THE NEGOTIATED A-E/CM CONTRACT AMOUNT. NOTE: WHC PLANS TO SUBMIT A REQUEST TO RL FOR DELEGATION OF CONTRACT APPROVAL AUTHORITY TO WHC, FOLLOWING RECEIPT OF DOE-HQ APPROVAL AUTHORITY DELEGATION TO RL.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T2C-95-502

Revision/CIN: 1 TWR-95-044

WBS Number: 1.01.01.02.01.03.0026

Due Date: 6/30/96

ADS No: 1120

Title: Issue Final W-314 Project Plan to RL for approval

Schedule ID: N3F710L01J

Scheduler: Rutherford

Milestone Level:

- ☐ TPA
- ☐ DOE-HQ
- ☐ DOE-FO
- ☒ DOE-RL
- ☐ Contractor

Deliverables:

- ☐ Report
- ☐ Letter
- ☐ Drawing
- ☒ Other (Specify)
PROJECT PLAN

Addressed To:

- ☐ DOE-HQ
- ☒ DOE-RL
- ☐ Other (Specify)

Description of this Commitment:

SUBMIT THE FINAL (WHC-APPROVED) W-314 PROJECT PLAN TO DOE-RL FOR APPROVAL.

Description of what Constitutes Completion of the Commitment:

W-314 PROJECT PLAN, DEVELOPED IN ACCORDANCE WITH DOE 4700.1, AND READY FOR RL APPROVAL.

Acceptance Criteria:

WHC APPROVAL OF THE W-314 PROJECT PLAN AND FORMAL SUBMITTAL OF THIS DOCUMENT TO RL.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T2C-95-503
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 1 TWR-95-044 **REV. 1**

Due Date: 9/15/96

ADS No: 1120-6

Title: Issue W-314 Project Management Plan to RL
for Approval

Schedule ID: N3F710L01M

Scheduler: Rutherford

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
PMP

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

ISSUE FINAL (WHC-APPROVED) W-314 PROJECT MANAGEMENT PLAN (PMP) TO DOE-RL FOR APPROVAL.

Description of what Constitutes Completion of the Commitment:

WHC-APPROVED W-314 PROJECT MANAGEMENT PLAN, DEVELOPED IN ACCORDANCE WITH DOE 4700.1, AND READY FOR APPROVAL BY RL.

Acceptance Criteria:

WHC APPROVAL OF THE W-314 PROJECT MANAGEMENT PLAN (PMP) AND FORMAL SUBMITTAL OF THE PMP TO RL FOR APPROVAL.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T2C-95-508
WBS Number: 1.01.01.02.01.03.0021

Revision/CIN:
Due Date: 8/28/95
ADS No: 1120-0
Schedule ID: N3D410F

Title: FARM-BY-FARM PRIORITY FOR
MATERIAL CONDITION
IMPROVEMENTS

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Description of what Constitutes Completion of the Commitment:

Acceptance Criteria:

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T2C-95-509
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN:
Due Date: 5/31/95
ADS No: 1120
Schedule ID: N3F710L01

Title: SUBMIT W-314 VALIDATION PACKAGE
TO DOE-RL

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
VALIDATION PACKAGE

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

SUBMIT WHC APPROVED VALIDATION PACKAGE TO DOE-RL.

Description of what Constitutes Completion of the Commitment:

SUBMIT ALL WHC-APPROVED PROJECT W-314 VALIDATION PACKAGE TO DOE-RL.

Acceptance Criteria:

SUBMISSION OF PROJECT W-314 VALIDATION PACKAGE TO DOE-RL.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T2C-95-510
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 1 TWR-95-044 REV. 1
Due Date: 5/31/96
ADS No: 1120-6

Title: Issue W-314 Quality Assurance Program
Plan to RL for Approval

Schedule ID: N3F710PM

Scheduler: Rutherford

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
QAPP

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

ISSUE THE WHC-APPROVED W-314 QUALITY ASSURANCE PROGRAM PLAN (QAPP) TO RL FOR APPROVAL.

Description of what Constitutes Completion of the Commitment:

WHC-APPROVED QAPP, DETAILING THE PROJECT'S QUALITY ASSURANCE REQUIREMENTS.

Acceptance Criteria:

WHC APPROVAL OF THE W-314 QAPP DOCUMENT AND FORMAL SUBMITTAL OF THE QAPP TO RL FOR APPROVAL.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T2C-95-516
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN:

Due Date: 2/1/95

ADS No: 1120-6

Title: APPROVE KEY DECISION 0 FOR
PROJECT W-314

Schedule ID: N3F710L02H

Scheduler:

Milestone Level:

☐ TPA
☒ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Description of what Constitutes Completion of the Commitment:

Acceptance Criteria:

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed _____

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T2C-95-600
WBS Number: 1.01.01.02.01.03.0023

Revision/CIN:
Due Date: 5/16/95
ADS No: 1120
Schedule ID: N3K970101M

Title: PROTOTYPE TRANSFER PUMP - FINAL
DESIGN

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Description of what Constitutes Completion of the Commitment:

Acceptance Criteria:

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No T2C-96-101
WBS Number 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 1/31/96
ADS No: 1120
Schedule ID: N3F720W00

Title: START DEFINITIVE DESIGN FOR W-314A (M-43-04-T06)

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-04-T06
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

AUTHORIZATION TO ARCHITECT-ENGINEER/CONSTRUCTION MANAGEMENT (A-E/CM)
CONTRACTOR TO START DEFINITIVE DESIGN WORK FOR SUBPROJECT W-314A.

Description of what Constitutes Completion of the Commitment:

LETTER FROM WHC AUTHORIZING START OF TITLE I WORK.

Acceptance Criteria:

OFFICIAL WHC AUTHORIZATION FOR A-E/CM CONTRACTOR TO BEGIN W-314 TITLE I DESIGN WORK.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No T2C-96-103
WBS Number 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 6/30/96
ADS No: 1120
Schedule ID: N3F710L01P

Title: RECEIVE DOE-HQ PROJECT
VALIDATION TO REQUEST
CONGRESSIONAL FUNDING FOR W-
314C TRANSFER SYSTEMS UPGRADES
(M-43-05-T06)

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-05-T06
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

RECEIVE DOE-HQ PROJECT VALIDATION TO REQUEST CONGRESSIONAL FUNDING FOR
SUBPROJECT W-314C.

Description of what Constitutes Completion of the Commitment:

A FORMAL NOTIFICATION FROM DOE-HQ OF PROJECT W-314C VALIDATION APPROVAL.

Acceptance Criteria:

RECEIVE FORMAL NOTIFICATION FROM DOE-HQ OF VALIDATION APPROVAL.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
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**WHC-SP-1101
REV. 1**

Milestone Control No T2C-96-104
WBS Number 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 5/31/96
ADS No: 1120
Schedule ID: N3F710E06M

Title: PROVIDE THE WASHINGTON STATE
DEPARTMENT OF ECOLOGY THE
PROJECT CONCEPTUAL DESIGN
REPORT FOR W-314C, TRANSFER
SYSTEM UPGRADES (M-43-05A)

Scheduler: Cahill

Milestone Level:	Deliverables	Addressed To:
☒ TPA M-43-05A	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☐ Letter	☐ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☐ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

PROVIDE THE WDOE AND DOH WITH COPIES OF THE APPROVED W-314 CONCEPTUAL DESIGN DOCUMENTATION (DESIGN REQUIREMENTS BASELINE).

Description of what Constitutes Completion of the Commitment:

THE PROJECT WILL FOLLOW THE GUIDANCE OF THE TWRS SYSTEMS ENGINEERING MANAGEMENT PLAN, AND WILL PRODUCE A DESIGN REQUIREMENTS BASELINE (DRB) PACKAGE IN PLACE OF A CONCEPTUAL DESIGN REPORT.

Acceptance Criteria:

FORMAL SUBMITTAL OF THE RL-APPROVED W-314 CONCEPTUAL DESIGN DOCUMENTATION (DESIGN REQUIREMENTS BASELINE) IN ACCORDANCE WITH TPA MILESTONE M-43-05A.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
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**WHC-SP-1101
REV. 1**

Milestone Control No T2C-96-105
WBS Number 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 2/28/96
ADS No: 1120

Title: PROVIDE ECOLOGY THE PROJECT
ENGINEERING STUDY & SCOPE
STATEMENT FOR W-314D (M-43-06-T01)

Schedule ID: N3F710A03

Scheduler: Cahill

Milestone Level:

Deliverables

Addressed To:

☒ TPA M-43-06-T01
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

PROVIDE THE WASHINGTON STATE DEPARTMENT OF ECOLOGY WITH THE APPROVED
PROJECT W-314D ENGINEERING STUDY INCLUDING SCOPE STATEMENT.

Description of what Constitutes Completion of the Commitment:

THE PROJECT W-314D ENGINEERING STUDY.

Acceptance Criteria:

THE SUBMITTAL OF THE PROJECT W-314D ELECTRICAL UPGRADE ENGINEERING STUDY TO
THE WASHINGTON STATE DEPARTMENT OF ECOLOGY.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No T2C-96-106
WBS Number 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 4/30/96
ADS No: 1120
Schedule ID: N3F710A04

Title: PROVIDE ECOLOGY THE PROJECT
FUNCTIONS & REQUIREMENTS FOR W-
314D (M-43-06-T02)

Scheduler: Cahill

Milestone Level:	Deliverables	Addressed To:
☒ TPA M-43-06-T02	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☐ Letter	☐ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☐ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

PROVIDE THE WASHINGTON STATE DEPARTMENT OF ECOLOGY WITH THE APPROVED
PROJECT W-314D FUNCTIONS AND REQUIREMENTS.

Description of what Constitutes Completion of the Commitment:

THE PROJECT W-314D FUNCTIONS AND REQUIREMENTS DOCUMENT.

Acceptance Criteria:

THE SUBMITTAL OF THE APPROVED PROJECT W-314D FUNCTIONS AND REQUIREMENTS TO
THE WASHINGTON STATE DEPARTMENT OF ECOLOGY.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
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**WHC-SP-1101
REV. 1**

Milestone Control No T2C-96-107
WBS Number 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 6/30/96
ADS No: 1120
Schedule ID: N3F710A09

Title: PROVIDE ECOLOGY THE PROJECT
CONCEPTUAL DESIGN STATEMENT OF
WORK FOR W-314D TANK FARM
ELECTRICAL UPGRADE (M-43-06-T03)

Scheduler: Cahill

Milestone Level:	Deliverables	Addressed To:
☒ TPA M-43-06-T03	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☐ Letter	☐ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☐ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

PROVIDE THE WASHINGTON STATE DEPARTMENT OF ECOLOGY WITH THE APPROVED STATEMENT OF WORK FOR DEVELOPING THE W-314D CONCEPTUAL DESIGN.

Description of what Constitutes Completion of the Commitment:

THE PROJECT W-314 CONCEPTUAL DESIGN STATEMENT OF WORK, WHICH DESCRIBES THE REQUIREMENTS FOR PREPARATION OF THE PROJECT'S DESIGN REQUIREMENTS BASELINE.

Acceptance Criteria:

THE SUBMITTAL OF THE PROJECT W-314D CONCEPTUAL DESIGN STATEMENT OF WORK TO THE WASHINGTON STATE DEPARTMENT OF ECOLOGY.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
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T2C-96-294

Milestone Control No. ~~T21-96-274~~

Revision/CIN: 0

WBS Number: 1.01.01.02.01.03.0027

Due Date: 6/14/96

ADS No: 1120-2

Title: W-030, TANK FARM VENTILATION
UPGRADE, BEGIN HOT TIE INS

Schedule ID:

Scheduler: RIENDEAU

Milestone Level:

Deliverables:

Addressed To:

- ☐ TPA
- ☐ DOE-HQ
- ☐ DOE-FO
- ☒ DOE-RL
- ☐ Contractor

- ☐ Report
- ☐ Letter
- ☐ Drawing
- ☐ Other (Specify)

- ☐ DOE-HQ
- ☐ DOE-RL
- ☐ Other (Specify)

Description of this Commitment:

Description of what Constitutes Completion of the Commitment:

Acceptance Criteria:

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T2C-96-511
WBS Number 1.01.01.02.01.03.0026

Revision/CIN: 1 TWR-95-044

Due Date: 12/1/96

ADS No: 1120

Title: Approve Key Decision 1 (KD 1) for Project
W-314

Schedule ID: N3F720W

Scheduler: Cahill

Milestone Level:

☐ TPA
☒ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

DOE-HQ APPROVAL OF KEY DECISION 1 AUTHORIZING THE START OF PRELIMINARY DESIGN (TITLE I).

Description of what Constitutes Completion of the Commitment:

LETTER FROM DOE-HQ AUTHORIZING THE START OF TITLE I WORK FOR PROJECT W-314.

Acceptance Criteria:

RL/WHC RECEIPT OF KD-1 APPROVAL FROM DOE-HQ.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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Milestone Control No T2C-97-100
WBS Number: 1.01.01.02.01.03.0027

Revision/CIN: 0
Due Date: 12/31/96
ADS No: 1120

Title: COMPLETE PROJECT W-030 TANK
FARM VENTILATION UPGRADES (M-43-01)

Schedule ID: N3G24F5M

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-01
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

PROJECT W-030 WILL REPLACE THE VETILATION SYSTEM FOR THE AY AND AZ TANK FARM. THIS PROJECT WILL PROVIDE THE ESSENTIAL SAFETY CLASS SYTEMS FOR THE AY AND AZ TANK FARMS TO PROVIDE SAFE AND EFFICIENT STORAGE OF RADIOACTIVE LIQUID HIGH-LEVEL WASTE. UPGRADES AND IMPROVEMENTS WILL BE MADE TO THE VENTILATION AND COOLING, ELECTRICAL STANDBY POWER AND INSTRUMENTATION/CONTROL SYSTEMS.

Description of what Constitutes Completion of the Commitment:

COMPLETE DEFINITIVE DESIGN, START CONSTRUCTION, COMPLETE CONSTRUCTION, BEGIN OPERATIONS. □**ONE LETTER WILL BE WRITTEN TO DOCUMENT COMPLETION OF M-43-01C, "BEGIN OPERATIONS." INCLUDED IN THIS LETTER, WILL BE NOTIFICATION OF COMPLETION OF THE ENTIRE MILESTONE M-43-01, "PROJECT W-030 TANK FARM VENTILATION UPGRADE."

Acceptance Criteria:

COMPLETION OF M-43-01C, "BEGIN OPERATIONS". THIS LAST INTERIM MILESTONE WILL COMPLETE THE REQUIREMENTS OF M-43-01.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Description Sheet

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REV. 1

Milestone Control No T2C-97-101

Revision/CIN: 0

WBS Number: 1.01.01.02.01.03.0027

Due Date: 10/31/96

ADS No: 1120

Title: COMPLETE CONSTRUCTION FOR W-030, TANK FARM VENTILATION UPGRADES (M-43-01B)

Schedule ID: N3G24E3M

Scheduler: Cahill

Milestone Level:

Deliverables:

Addressed To:

☒ TPA M-43-01B
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETION OF CONSTRUCTION WILL INCLUDE THE PHYSICAL INSTALLATION OF THE FOLLOWING SUBSYSTEMS: VENTILATION AND RECIRCULATION SYSTEMS, THE VENTILATION, DIESEL GENERATOR AND CONTRL BUILDINGS AND ALL HARDWARE ASSOCIATED WITH THESE SUBSYSTEMS. TIES DIRECTLY INTO THE TANKS WILL BE PART OF THE STARTUP MILESTONE SINCE THESE TIE-INS BEGIN OPERATIONS AND THE OLD SYSTEM IS NO LONGER FUNCTIONAL.

Description of what Constitutes Completion of the Commitment:

THE NEW SYSTEMS WILL BE READY TO COMMENCE STARTUP ACTIVITIES, I.E., OPERATIONAL TESTING. A FORMAL LETTER WRITTEN BY WHC TO DOE-RL NOTING COMPLETION OF THE CONSTRUCTION SCOPE WILL BE FORWARDED BY 10/31/96.

Acceptance Criteria:

ALL CONSTRUCTION ACCEPTANCE TESTING IS COMPLETED.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
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REV. 1

Milestone Control No T2C-97-102
WBS Number: 1.01.01.02.01.03.0027

Revision/CIN: 0
Due Date: 12/31/96
ADS No: 1120
Schedule ID: N3G24F4M

Title: BEGIN OPERATION FOR W-030, TANK
FARM VENTILATION UPGRADES (M-43-
01C)

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-01C
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

TO PLACE THE NEW VENTILATION/RECIRCULATION SYSTEM INTO OPERATIONS, CONSTRUCTION OF ALL SUBSYSTEMS AND ASSOCIATED HARDWARE MUST BE INSTALLED AND TESTED. THE OLD SYSTEM MUST BE TAKEN OUT OF SERVICE AND THE NEW SYSTEM TIED INTO EACH TANK. OPERATIONAL READINESS MUST BE COMPLETED ALONG WITH ALL OPERATIONAL TESTING.

Description of what Constitutes Completion of the Commitment:

NEW AGING WASTE VENTILATION SYSTEM OPERATING. LETTER TO DOE-RL FROM WHC NOTING OPERATIONAL STATUS BY 12/31/96.

Acceptance Criteria:

OPERATIONAL TESTING COMPLETED AND APPROVAL FROM OPERATIONS AND DOE-RL TO MAKE FINAL TIE-INS TO STARTUP.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1

Milestone Control No T2C-97-103
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: ~~1/31/97~~ 10/28/97
ADS No: 1120

Title: START DEFINITIVE DESIGN FOR W-314B

Schedule ID: N3F720X00

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-02-T07
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Issue letter of instruction (or equivalent) prociding WHC's notice to proceed with Definitive Design for Project W-314B, Double-Shell Tnak Ventilationh Upgrades.

Description of what Constitutes Completion of the Commitment:

Deliverables: Copy of the WHC letter of instruction (or equivalent) authorizing work to bcommence on W-314B Definitive Design, delivered to RL.

Acceptance Criteria:

Approved Key Decision 1, "Approval on New Start," for Project W-314B Definitive Design.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

*TPA Baseline date is: 1/31/97

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Tank Waste Remediation System
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REV. 1

Milestone Control No T2C-97-104
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 3/31/97
ADS No: 1120
Schedule ID: N3K990BM

Title: PROVIDE THE WASHINGTON STATE
DEPARTMENT OF ECOLOGY AND
DEPARTMENT OF HEALTH THE
RESULTS OF THE SINGLE SHELL TANK
VENTILATION UPGRADES NEEDS
ANALYSIS (M-43-03)

Scheduler:

Milestone Level:

☒ TPA M-43-03
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

The Needs Analysis will evaluate all single shell tank (SST) ventilation system for replacement, where a ventilation system exists. Where no ventilation system exists on SSTs, each tank or system of tanks will be evaluated for the need for a ventilation system.

Description of what Constitutes Completion of the Commitment:

Deliverables: Approved Needs Analysis Report documenting the evaluation of SST ventilation systems for replacement, delivered to RL.

Acceptance Criteria:

Approved Needs Analysis Report for the evaluation of SST ventilation systems.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Description Sheet

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REV. 1

Milestone Control No T2C-97-106
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 6/30/97
ADS No: 1120

Title: RECEIVE DOE-HQ PROJECT
VALIDATION TO REQUEST
CONGRESSIONAL FUNDING FOR W-
314D (M-43-06-T06)

Schedule ID: N3F710L01R

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-06-T06
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Receive DOE-HQ approval of Project W-314D validation to support the request for congressional funding.

Description of what Constitutes Completion of the Commitment:

Copy of the DOE-HQ Validation Report Card for Project W-314D, delivered to RL. This deliverable must be acceptable by DOE and criteria for acceptance are unequivocal.

Acceptance Criteria:

Receipt of documentaiton from DOE-HQ acknowledging validation approval for Project W-314D, Tank Farm Electrical Upgrades.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T2C-97-107
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 5/31/97
ADS No: 1120
Schedule ID: N3F710E07M

Title: PROVIDE THE WASHINGTON STATE
DEPARTMENT OF ECOLOGY THE
PROJECT CONCEPTUAL DESIGN
REPORT FOR W-314D, TANK FARM
ELECTRICAL UPGRADE (M-43-06A)

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-06A
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Approved Conceptual Design Report for Project W-314D, Tank Farm Electrical Upgrades.

Description of what Constitutes Completion of the Commitment:

Conceptual Design Report for Project W-314D, delivered to RL. This deliverable must be acceptable by DOE and criteria for acceptance are unequivocal.

Acceptance Criteria:

RL approval of the W-314D Conceptual Design Report and transmittal of said document to Washington Department of Ecology.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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WHC-SP-1101

Milestone Control No T2C-97-512
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 1 TWR-95-044 REV. 1

Due Date: 12/31/97

ADS No: 1120

Title: APPROVE KEY DECISION 2 (KD-2) FOR
W-314

Schedule ID: N3F720X

Scheduler: Cahill

Milestone Level:

☐ TPA
☒ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

DOE-HQ APPROVAL OF KEY DECISION 2 AUTHORIZING THE START OF DETAILED DESIGN (TITLE II).

Description of what Constitutes Completion of the Commitment:

LETTER FROM DOE-HQ AUTHORIZING THE START OF TITLE II WORK FOR PROJECT W-314.

Acceptance Criteria:

RL/WHC RECEIPT OF KD-2 APPROVAL FROM DOE-HQ.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No. T2C-98-102

Revision/CIN: 0

WBS Number: 1.01.01.02.03.07-
.01.03.00026

Due Date: 1/31/98

ADS No: 1120

Title: START DEFINITIVE DESIGN FOR W-
314C (M-43-05-T07)

Schedule ID: SP0314DD

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-05-T07
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Issue letter of instruction (or equivalent) providing WHCs notice to proceed with Definitive Design for Project W-314C, Transfer System Upgrades.

Description of what Constitutes Completion of the Commitment:

Copy of the WHC letter of instruction (or equivalent) authorizing work to commence on W-314C Definitive Design, delivered to RL. This deliverable must be acceptable by DOE and criteria for acceptance are unequivocal.

Acceptance Criteria:

Approved Key Decision 1, "Approval of New Start," for Project W-314C Definitive Design.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No. T2C-99-101

Revision/CIN: 0

WBS Number: 1.01.01.02.03.07
01.03.00026

Due Date: ~~1/31/99~~ 10/29/99

ADS No: 1120

Title: COMPLETE DEFINITIVE DESIGN FOR W-314B

Schedule ID: SP0313HA

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-02-T08
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☒ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Issue completed Definitive Design drawings, specifications, and other design media for construction of Project W-314B, Double Shell tank Ventilation Upgrades.

Description of what Constitutes Completion of the Commitment:

Deliverables: Completed Definitive Design drawings, specifications, and other design media for construction of Project W-314, Double Shell Tank Ventilation Upgrades, delivered to RL.

Acceptance Criteria:

Approved Definitive Design media and release for construction.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

*TPA Baseline date is:

1/31/99

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REV. 1

Milestone Control No. T2C-99-102

Revision/CIN: 0

WBS Number: 1.01.01.02.03.07-
01.03.00027

Due Date: ~~3/31/99~~ 12/31/99

ADS No: 1120

Title: START CONSTRUCTION FOR W-314B
(M-43-02-T09)

Schedule ID: SP0313J

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-02-T09
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Issue notice to proceed with the construction of Project W-314B, Double-Shell Tank Ventillation Upgrades, to the construction contractor.

Description of what Constitutes Completion of the Commitment:

Copy of WHCs letter providing the construction contractor with notice to proceed on construction of Project W-314B, Double-Shell Tank Ventilation Upgrades, delivered to RL.

Acceptance Criteria:

Approved Key Decision 3, "Approval to Commence Construction," for the Double-Shell Tank Ventilation Upgrades. This deliverable must be accpetable by DOE and criteria for acceptance are unequivocal.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

*TPA Baseline date is: 3/31/99

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No. T2C-99-103

Revision/CIN: 0

WBS Number: 1.01.01.02.03.07
 .01.03.00026

Due Date: 11/30/98

ADS No: 1120

Title: COMPLETE DEFINITIVE DESIGN FOR W-
314A (M-43-04-T07)

Schedule ID: SP0307AJ

Scheduler: Cahill

Milestone Level:

Deliverables:

Addressed To:

☒ TPA M-43-04-T07

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☐ Letter

☒ DOE-RL

☐ DOE-FO

☒ Drawing

☐ Other (Specify)

☐ DOE-RL

☐ Other (Specify)

☐ Contractor

Description of this Commitment:

Issue completed Definitive Design drawings, specifications, and other design media for construction of Project W-314A, Tank Farm Integrated Instrumentation Upgrades.

Description of what Constitutes Completion of the Commitment:

Completed Definitive Design drawings, specifications, and other design media for construction of Project W-314A, Tank Farm Integrated Instrumentation Upgrades, delivered to RL. This deliverable must be acceptable by DOE and criteria for acceptance are unequivocal.

Acceptance Criteria:

Approved Definitive Design media and release for construction.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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WHC-SP-1107
REV. 1

Milestone Control No. T2C-99-104

Revision/CIN: 0

WBS Number: 1.01.01.02.03.07
 .01.03.00026

Due Date: 12/31/98

ADS No: 1120

Title: START CONSTRUCTION FOR W-314A
(M-43-04-T08)

Schedule ID: SP0307AK

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-04-T08
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Issue notice to proceed with construction of Project W-314A, Tank Farm Integrated Instrumentation Upgrades, to the construction contractor.

Description of what Constitutes Completion of the Commitment:

Copy of WHCs letter providing the construction contractor with notice to proceed on construction of Project W-314A, Tank Farm Integrated Instrumentation Upgrades, delivered to RL. This deliverable must be acceptable by DOE and criteria for acceptance are unequivocal.

Acceptance Criteria:

Approved Key Decision 3, "Approval to Commence Construction," for the Tank Farm Integrated instrumentation Upgrades.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System**

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Milestone Description Sheet

**WHC-SP-1101
REV. 1**

Milestone Control No. T2C-99-105

Revision/CIN: 0

WBS Number: 1.01.01.02.03.07-
01.0003.00026

Due Date: 12/31/98

ADS No: 1120

Title: PROVIDE THE WASHINGTON STATE
DEPARTMENT OF ECOLOGY AND
DEPARTMENT OF HEALTH AN
INTEGRATED LEVEL 3 SCHEDULE
SHOWING ALL PHASES OF PROJECT
CONSTRUCTION FOR W-314A, TANK
FARM INTEGRATED
INSTRUMENTATION SYSTEM
UPGRADE (M-43-04B)

Schedule ID: SP0307AM

Scheduler: Cahill

Milestone Level:

Deliverables:

Addressed To:

☒ TPA M-43-04B
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
CONSTRUCTION
SCHEDULE

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

TFRSO Program level 3 schedule demonstrating integration of the W-314A construction activities with other tank farm instrumentation activities.

Description of what Constitutes Completion of the Commitment:

WHC letter transmitting the approved TFRSO Program level 3 schedule, delivered to RL. This deliverable must be acceptable by DOE and criteria for acceptance are unequivocal.

Acceptance Criteria:

Approved TFRSO Program level 3 schedule that includes integration of W-314A and other instrumentation projects and maintenance work.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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Milestone Control No T2C-99-106

Revision/CIN: 0

WBS Number 1.01.01.02.03.07

Due Date: 1/31/99

ADS No: 1120

Title: START DEFINITIVE DESIGN FOR W-314D (M-43-06-T07)

Schedule ID: SP0308H

Scheduler: Cahill

Milestone Level:

Deliverables

Addressed To:

☒ TPA M-43-06-T07

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☒ Letter

☒ DOE-RL

☐ DOE-FO

☐ Drawing

☐ Other (Specify)

☐ DOE-RL

☐ Other (Specify)

☐ Contractor

Description of this Commitment:

Issue letter of instruction (or equivalent) providing WHCs notice to proceed with Definitive Design for Project W-314D, Tank Farm Electrical Upgrades.

Description of what Constitutes Completion of the Commitment:

Copy of the WHC letter of instruction (or equivalent) authorizing work to commence on W-314D Definitive Design, delivered to RL. This deliverable must be acceptable by DOE and criteria for acceptance are unequivocal.

Acceptance Criteria:

Approved Key Decision 1, "Approval of New Start," for Project W-314D Definitive Design.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No. T2C-00-100

Revision/CIN: 0

WBS Number: 1.01.01.02.03-07-
01.03.00026

Due Date: 3/31/2000

ADS No: 1120

Title: START CONSTRUCTION OF W-314C (M-
43-05-T09)

Schedule ID: SP0314ED

Scheduler: Cahill

Milestone Level:

Deliverables:

Addressed To:

☒ TPA M-43-05-T09

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☒ Letter

☒ DOE-RL

☐ DOE-FO

☐ Drawing

☐ Other (Specify)

☐ DOE-RL

☐ Other (Specify)

☐ Contractor

Description of this Commitment:

Issue notice to proceed with construction of Project W-314C, Transfer System Upgrades, to the construction contractor.

Description of what Constitutes Completion of the Commitment:

Copy of WHCs letter providing the construction contractor with notice to proceed on construction of Project W-314C, Transfer System Upgrades, delivered to RL. This deliverable must be acceptable by DOE and criteria for acceptance are unequivocal.

Acceptance Criteria:

Approved Key Decision 3, "Approval to Commence Construction," for the W-314C Transfer System Upgrades.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T2C-01-100
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0

Due Date: ~~12/31/2001~~ 10/01/2002

ADS No: 1120

Title: COMPLETE CONSTRUCTION OF W-
314B, DOUBLE SHELL TANK
VENTILATION UPGRADE (M-43-02B)

Schedule ID: SP0313JB

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-02B
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Turnover of completed construction work for W-314B for testing and startup.

Description of what Constitutes Completion of the Commitment:

Deliverables: Upgraded double-shell tank ventilation systems and signed-off construction punchlist.

Acceptance Criteria:

Construction work completed in accordance with the approved Definitive Design media, including approved changes.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

*TPA Baseline date is: 12/31/2001

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Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T2C-01-101
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 12/31/2001
ADS No: 1120

Title: COMPLETE CONSTRUCTION FOR W-
314A (M-43-04C)

Schedule ID: SP0307AP

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-04C
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Turnover of completed construction work for W-314A for testing and startup.

Description of what Constitutes Completion of the Commitment:

Upgraded tank farm instrumentation systems and completed construction punchlist. This deliverable must be acceptable by DOE and criteria for acceptance are unequivocal.

Acceptance Criteria:

Construction work completed in accordance with the approved Definitive Design media, including approved changes.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T2C-01-102
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 11/30/2000
ADS No: 1120

Title: COMPLETE DEFINITIVE DESIGN FOR
W-314C (M-43-05-T08)

Schedule ID: SP0314EA

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-05-T08
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☒ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Issue completed Definitive Design drawings, specifications, and other design media for construction of Project W-314C, Transfer System Upgrades.

Description of what Constitutes Completion of the Commitment:

Completed Definitive Design drawings, specifications, and other design media for construction of Project W-314C, Transfer System Upgrades, delivered to RL. This deliverable must be acceptable by DOE and criteria for acceptance are unequivocal.

Acceptance Criteria:

Approved Definitive Design media and release for construction.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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WHC-SP-1101
REV. 1

Milestone Control No T2C-01-103
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 3/31/2001
ADS No: 1120

Title: START CONSTRUCTION OF W-314D (M-43-06-T09)

Schedule ID: SP0308K

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-06-T09
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Issue notice to proceed with construction of Project W-314D, Tank Farm Electrical Upgrades, to the construction contractor.

Description of what Constitutes Completion of the Commitment:

Copy of WHCs letter providing the construction contractor with notice to proceed on construction of Project W-314D, Tank Farm Electrical Upgrades, delivered to RL. This deliverable must be acceptable by DOE and criteria for acceptance are unequivocal.

Acceptance Criteria:

Approved Key Decision 3, "Approval to Commence Construction," for the W-314D, Tank Farm Electrical Upgrades.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T2C-02-100
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0

Due Date: ~~6/30/2002~~ 3/31/2003

ADS No: 1120

Title: START OPERATION OF W-314B

Schedule ID: SP0313LA

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-02C
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Turnover of completed construction work for W-314B to TWRS Operations

Description of what Constitutes Completion of the Commitment:

Deliverables: Operational double shell tank ventilation systems and completed testing and startup documentation

Acceptance Criteria:

Approved Key Decision 4, "Approval to Commence Operations," for Project W-314B, Double Shell Tank Ventilation Upgrades.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

*TPA Baseline date is:

6/30/2002

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T2C-02-101
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 6/30/2002
ADS No: 1120

Title: COMPLETE PROJECT W-314A TANK
FARM INTEGRATED
INSTRUMENTATION SYSTEM UPGRADE

Schedule ID: SP0307AZ

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-04
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Turn over completed tank farm integrated instrumentation upgrades to TWRS Operations.

Description of what Constitutes Completion of the Commitment:

Deliverables: All W-314A Tank Farm integrated instrumentation upgrades complete and operational.

Acceptance Criteria:

Receipt of Key Decision 4, "Approval to Start Operations," for the Tank Farm instrumentation systems.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T2C-02-102
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 6/30/2002
ADS No: 1120

Title: START OPERATION OF W-314A (M-43-04D)

Schedule ID: SP0307AT

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-04D
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Turnover of completed construction work for W-314A for operation.

Description of what Constitutes Completion of the Commitment:

Operational tank farm integrated instrumentation systems and completed testing and startup documentation. This deliverable must be acceptable by DOE and criteria for acceptance are unequivocal.

Acceptance Criteria:

Approved Key Decision 4, "Approval to Commence Operations," for Project W-314A, Tank Farm Integrated Instrumentation Upgrades.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T2C-02-103
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0

Due Date: ~~6/30/2002~~ 3/31/2003

ADS No: 1120

Title: COMPLETE PROJECT W-314B DOUBLE-SHELL TANK VENTILATION UPGRADE
(M-43-02)

Schedule ID: SP0313X

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-02
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Turn over completed double-shell tank ventilation upgrades to TWRS Operations.

Description of what Constitutes Completion of the Commitment:

All W-314B double-shell tank ventilation system upgrades complete and operational. This deliverable must be acceptable by DOE and criteria for acceptance are unequivocal.

Acceptance Criteria:

Receipt of Key Decision 4, "Approval to Start Operations," for the double-shell tank ventilation systems.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

*TPA Baseline date is:

6/30/2002

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Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T2C-02-104
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 10/31/2001
ADS No: 1120

Title: COMPLETE DEFINITIVE DESING FOR
W-314D (M-43-06-T08)

Schedule ID: SP0308HB

Scheduler: Cahill

Milestone Level:

Deliverables:

Addressed To:

☒ TPA M-43-06-T08
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

☐ Report
☐ Letter
☒ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Issue completed Definitive Design drawings, specifications, and other design media for construction of Project W-314D, Tank Farm Electrical Upgrades.

Description of what Constitutes Completion of the Commitment:

Completed Definitive Design drawings, specifications, and other design media for construction of Project W-314D, Tank Farm Electrical Upgrades, delivered to RL. This deliverable must be acceptable by DOE and criteria for acceptance are unequivocal.

Acceptance Criteria:

Approved Definitive Design media and release for construction.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T2C-04-100
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 6/30/2004
ADS No: 1120

Title: PROJECT W-314C TRANSFER SYSTEM
UPGRADES (M-43-05)

Schedule ID: SP0314Z

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-05
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Turn over completed W-314C transfer system upgrades to TWRS Operations.

Description of what Constitutes Completion of the Commitment:

Deliverables: All W-314C transfer system upgrades complete and operational.

Acceptance Criteria:

Receipt of Key Decision 4, "Approval to Start Operations," for the W-314C transfer systems.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T2C-04-101
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 12/31/2003
ADS No: 1120

Title: COMPLETE CONSTRUCTION OF W-314C (M-43-05B)

Schedule ID: SP0314FA

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-05B
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Turnover of completed construction work for W-314C for testing and startup.

Description of what Constitutes Completion of the Commitment:

Upgraded transfer systems and completed W-314C construction punchlist. This deliverable must be acceptable by DOE and criteria for acceptance are unequivocal.

Acceptance Criteria:

Construction work completed in accordance with the approved Definitive Design media, including approved changes.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T2C-04-102
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0

Due Date: ~~6/30/2004~~ 6/01/2004

ADS No: 1120

Title: START OPERATION OF W-314C (M-43-05C)

Schedule ID: SP0314GA

Scheduler: Cahill

Milestone Level:

Deliverables:

Addressed To:

☒ TPA M-43-05C
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Turnover of completed construction work for W-314C to TWRS Operations.

Description of what Constitutes Completion of the Commitment:

Operational W-314C transfer systems and completed testing and startup documentation. This deliverable must be acceptable by DOE and criteria for acceptance are unequivocal.

Acceptance Criteria:

Approved Key Decision 4, "Approval to Commence Operations," for Project W-314C, Transfer System Upgrades.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

*TPA Baseline date is: 6/30/2004

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T2C-05-101
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 6/30/2005
ADS No: 1120

Title: COMPLETE PROJECT W-314D TANK
FARM ELECTRICAL UPGRADE (M-43-06)

Schedule ID: SP0308X

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-06
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Turn over completed tank farm electrical upgrades to TWRS Operations.

Description of what Constitutes Completion of the Commitment:

Deliverables: All W-314D Tank Farm Electrical system upgrades complete and operational.

Acceptance Criteria:

Receipt of Key Decision 4, "Approval to Start Operations," for the upgraded Tank Farm electrical systems.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T2C-05-102
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 12/31/2004
ADS No: 1120
Schedule ID: SP0308KB

Title: COMPLETE CONSTRUCTION OF W-314D (M-43-06B)

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-06B
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Turnover of completed construction work for W-314D for testing and startup.

Description of what Constitutes Completion of the Commitment:

Upgraded tank farm electrical systems and completed construction punchlist. This deliverable must be acceptance are unequivocal.

Acceptance Criteria:

Construction work completed in accordance with the approved Definitive Design media, including approved changes.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T2C-05-103
WBS Number: 1.01.01.02.01.03.0026

Revision/CIN: 0
Due Date: 6/30/2005
ADS No: 1120

Title: START OPERATION OF W-314D (M-43-06C)

Schedule ID: SP0308W

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-06C
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Turnover of completed construction work for W-314D to TWRS Operations.

Description of what Constitutes Completion of the Commitment:

Operational W-314D tank farm electrical systems and completed testing and startup documentation. This deliverable must be acceptable by DOE and criteria for acceptance are unequivocal.

Acceptance Criteria:

Approved Key Decision 4, "Approval to Commence Operations," for Project W-314D, Tank Farm Electrical Upgrades.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No TW1-94-483
WBS Number: 1.01.01.02.01.03.0002

Revision/CIN: 0
Due Date: ~~6/15/94~~ 4/18/94
ADS No: 1100
Schedule ID: 94F620A15
Scheduler: KIRK

Title: FIX EXHAUSTERS

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE THE REPAIRS REQUIRED TO ALLOW FOR UNRESTRICTED OPERATION OF THE 244-AR EXHAUSTERS

Description of what Constitutes Completion of the Commitment:

OPERATIONS WILL PROVIDE A LIST OF J-1'S TO FIX THESE EXHAUSTERS BY 2/15/94. THE DUE DATE IS AN ESTIMATE AT THIS TIME AND MAY BE REVISED BASED ON REVISIONS TO THE INTEGRATED SCHEDULE. LETTER TO DOE-RL. FULLY FUNCTIONING EXHAUSTERS IN 244-AR.

Acceptance Criteria:

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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1.1.1.2.01.04 Transition 200W to Ctrd/Clean/Stab

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.01.04.10	SX-Farm Upgrade Leak Detection Equip for SST	DOE-HQ T21-96-115		30SEP96
1.1.1.2.01.04.10	SX-Farm Partial Cpt IS Prep 6 FG WLT	DOE-RL T21-96-122		30SEP96
1.1.1.2.01.04.01	Status Dev of Draft of 97 MYPP	DOE-RL T21-96-201		31MAY96
1.1.1.2.01.04.07	TY FARM CONTROLLED,CLEAN & STABLE	DOE-RL T21-96-203		30SEP98
1.1.1.2.01.04.01	Issue Quart Rpts re: status of ongoing act	DOE-RL T21-96-205		31OCT95
1.1.1.2.01.04.01	Complete QA Assessments	DOE-RL T21-96-207		30SEP96
1.1.1.2.01.04.16	Pipeline: Award Contract	DOE-RL T21-96-210		31OCT95
1.1.1.2.01.04.16	W-058, Begin Construction Forces work	DOE-RL T21-96-232	16OCT95	
1.1.1.2.01.04.16	W-058: Award Diversion Box Contract	DOE-RL T21-96-233		01MAY96
1.1.1.2.01.04.16	Deliver Transfer Pump	DOE-RL T21-96-234		30SEP96
1.1.1.2.01.04.16	W-058, PSAR Complete	DOE-RL T21-96-235		21NOV95
1.1.1.2.01.04.07	TY FARM: Surface Cont Cleanup of 241-TY Cmplt	DOE-RL T21-96-271		29DEC95
1.1.1.2.01.04.07	Remov of Above Grd Aband Equip Cmplt	DOE-RL T21-96-272		29DEC95
1.1.1.2.01.04.07	TY Farm: Connection of all ENRAFs to TMACS Cmplt	DOE-RL T21-96-273		29DEC95

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1.1.1.2.01.04 Transition 200W to Ctrd/Clean/Stab

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.01.04.07	Struct Analy to Establ Allowable loads on SST's	DOE-RL T21-96-279		29DEC95
1.1.1.2.01.04.01	Submit FY 97 Final MYWP for West TF	DOE-RL T21-96-291		30AUG96
1.1.1.2.01.04.01	Submit FY 97 Draft MYWP for West TF	DOE-RL T21-96-293		28JUN96
1.1.1.2.01.04.03	WEST TF - PRESSURE TEST X-SITE XFER LINE NO.	DOE-RL T21-96-304		28JUN96
1.1.1.2.01.04.03	WEST TF - SST EMERGENCY PUMP PREPARATION	DOE-RL T21-96-305	29DEC95	
1.1.1.2.01.04.03	WEST TF - CPT IMPLEMENTATION 10CFR835	DOE-RL T21-96-305	02JAN96	
1.1.1.2.01.04.02	WTF - MONITORED DEV/IMPLEMENTATION HAZ COM PROG	DOE-RL T21-96-306		30SEP96
1.1.1.2.01.04.03	WEST TANK FARMS - COG ENGR TRAINING	DOE-RL T21-96-307		27SEP96
1.1.1.2.01.04.06	241-TX CONTROLLED, CLEAN AND STABLE	DOE-RL T21-96-309		23MAR98
1.1.1.2.01.04.02	WTF - MNTC OPTIMIZATION PLAN PM WP REBASELINE	DOE-RL T21-96-310		26FEB96
1.1.1.2.01.04.06	241-TX LETTER ISSUED TO DOE EQUIP REMOVED	DOE-RL T21-96-315		25MAR96
1.1.1.2.01.04.06	TX ISSUE ENRAFF TIE-IN COMPLETION LETTER TO DOE	DOE-RL T21-96-316		27JUN96
1.1.1.2.01.04.06	241-TX ISSUE CPT LTR FOR AC & LCO INSTALLATION	DOE-RL T21-96-317		15AUG96
1.1.1.2.01.04.03	WEST TF - SST EMERGENCY PUMP PREPARATION	DOE-RL T21-96-319		30SEP96

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1.1.1.2.01.04 Transition 200W to Ctrd/Clean/Stab

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.01.04.03	WEST TF - SST EMERGENCY PUMP PREPARATION	DOE-RL T21-96-321	30APR96	
1.1.1.2.01.04.10	SX-106 Farm Partial Cpt IS Prep 1 OG WLT	DOE-RL T21-96-323		30SEP96
1.1.1.2.01.04.02	WTF - MNTC OPTIMIZATION PLAN PM WP REBASELINE	DOE-RL T21-96-325		30SEP96
1.1.1.2.01.04.11	Prepare & Present Monthly Performance Review	DOE-RL T21-96-650		30SEP96
1.1.1.2.01.04.16	Pipeline: Construction Complete	DOE-RL T21-97-211		18APR97
1.1.1.2.01.04.16	W-058 Diversion Box Complete	DOE-RL T21-97-214		29AUG97
1.1.1.2.01.04.16	W-058, Complete Construction Forces Work	DOE-RL T21-97-232		28AUG97
1.1.1.2.01.04.16	W-058, WHC Approval of FSAR	DOE-RL T21-97-234		29AUG97
1.1.1.2.01.04.08	M-41-08 Start Stab of 1 N-Wtch Lst Tnks	TPA-I T2A-95-105		30AUG96
1.1.1.2.01.04.08	M-41-13 Start Int Stab of 3 Org Wtch Lst Tnks	TPA-I T2A-95-106		30AUG96
1.1.1.2.01.04.09	T2A-95-124 COMP. PARTIAL IS ON 7 N-WLT IN S FARM	DOE-RL T2A-95-124		29SEP95
1.1.1.2.01.04.03	RESTORE CROSS-SITE TRANSFER CAPABILITY	DOE-RL T2A-95-138		01AUG95
1.1.1.2.01.04.04	COMPLETE HEALTH PHYSICS REQUIREMENTS	DOE-RL T2A-95-144		29SEP95
1.1.1.2.01.04.03	COMPLETE IH&S REQUIREMENTS	DOE-RL T2A-95-184		29SEP95

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1.1.1.2.01.04 Transition 200W to Ctrd/Clean/Stab

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.01.04.08	M-41-08-T01 Cmpt Int Stab of 1 N-Wtch Lst Tnk	TPA-T T2A-96-100		30APR97
1.1.1.2.01.04.09	M-41-09 START IS ON 7 N-WLT IN S FARM	TPA-I T2A-96-101	31JAN96	
1.1.1.2.01.04.08	M-41-11 Start Int Stab of 4 Fl Gas Wtch Lst Tnks	TPA-I T2A-96-103		30AUG96
1.1.1.2.01.04.10	T2A-96-122 Cpt Partial IS Prep 7 FG WLT IN S/SX	DOE-RL T2A-96-122		30SEP96
1.1.1.2.01.04.09	T2A-96-124 COMP. PARTIAL IS ON 1 OG WLT (S-102)	DOE-RL T2A-96-124		30SEP96
1.1.1.2.01.04.03	M-41-03B DELIVERY OF MOBILE HLLW CASK	TPA-I T2A-96-125		31JAN96
1.1.1.2.01.04.08	M-41-11-T01 Cmpt Int Stab of 4 FL Gas Wtch Lst	TPA-T T2A-97-101		30SEP97
1.1.1.2.01.04.09	M-41-14 Start S111,112 SX101 Thru 105	TPA-I T2A-97-103	27JUN97	
1.1.1.2.01.04.09	M-41-15 Start Pumping TKS S102 & SX106	TPA-I T2A-97-104	30JUN97	
1.1.1.2.01.04.08	M-41-13-T01 Cmpt Int Stab. of 3 Org Wtch Lst Tnks	TPA-T T2A-97-105		02FEB98
1.1.1.2.01.04.05	M-41-16 START IS OF 1 NON-WLT IN T FARM (T-104)	TPA-I T2A-98-101	31MAR98	
1.1.1.2.01.04.05	M-41-16-T01CPT IS OF 1 NON-WLT IN T FARM (T-104)	TPA-T T2A-98-102		1AUG98
1.1.1.2.01.04.05	M-41-17 START IS ON 1 FeCN TANK IN 241-T	TPA-I T2A-98-103	02APR98	
1.1.1.2.01.04.05	M-41-17-T1 COMP. IS OF 1 FeCN TANK IN 241-T	TPA-T T2A-98-104		4MAY98

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1.1.1.2.01.04 Transition 200W to Ctrd/Clean/Stab

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.01.04.05	M-41-18 START IS ON 1 FG TANK IN 241-T	TPA-I T2A-98-105	02APR98	
1.1.1.2.01.04.05	M-41-18-T1 COMP IS OF 1 FG TANK IN 241-T	TPA-T T2A-98-106		27JUL98
1.1.1.2.01.04.09	M-41-14-T01 COMPL IS 7 FG WLT IN S/SX FARM	TPA-T T2A-99-101		30NOV99
1.1.1.2.01.04.16	M-43-00, Complete Tank Farm Upgrades	TPA-M T2C-05-100		28OCT05
1.1.1.2.01.04.16	M-43-07-T01 Complete Def Dsg Of Proj W-058	TPA-T T2C-95-109		30AUG95
1.1.1.2.01.04.16	M-43-07A Start Construction (W-058)	TPA-I T2C-96-110	29NOV95	
1.1.1.2.01.04.16	M-43-07B, Complete Construction Of Proj W-058	TPA-I T2C-97-108		29AUG97
1.1.1.2.01.04.16	M-43-07 Repl of X-Site Xfer Line Compl (W-058)	TPA-I T2C-98-103		26FEB98
1.1.1.2.01.04.16	M-43-07C System Operational (W-058)	TPA-I T2C-98-104		26FEB98
1.1.1.2.01.04.03	DISPOSE OF PORTABLE EXHAUSTERS & DUCTWORK	DOE-RL TW1-94-522		16MAR95
1.1.1.2.01.04.16	W-058: Issue NOC To DOH	DOE-RL TW3-94-418		30SEP94

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T21

Milestone Control No ~~T2A~~-96-115
WBS Number 1.01.01.02.01.04.0010

Revision/CIN: 0
Due Date: ~~12/29/95~~ 9/30/96
ADS No: 1100
Schedule ID: G7A030L

Title: UPGRADE LEAK DETECTION
EQUIPMENT FOR SST'S THAT DO NOT
HAVE LIQUID OBSERVATION WELLS
AND HAVE SOLID SURFACES
CONTAINING PUMPABLE LIQUID BY
DECEMBER 1995 (SI 5F)

Scheduler:

Milestone Level:	Deliverables	Addressed To:
☐ TPA	☐ Report	☐ DOE-HQ
☒ DOE-HQ	☒ Letter	☒ DOE-RL
☐ DOE-FO 5F	☐ Drawing	☐ Other (Specify)
☐ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

THIS TASK IS TO UPGRADE THE LEAK DETECTION EQUIPMENT FOR SINGLE-SHELL TANKS (SST) WITH PUMPABLE LIQUID AND A SOLID SURFACE. THE INTERIM STABILIZATION OF SOME SSTS, SEE S1-5B, WILL REDUCE THE NUMBER OF TANKS WITH PUMPABLE LIQUID AND A SOLID SURFACE REQUIRING UPGRADE OF THE LEAK DETECTION EQUIPMENT TO ONE (TANK 241-SX-104). TANK 241-SX-104 HAS TWO FAILED LIQUID OBSERVATION WELLS (LOWS). THIS TASK INVOLVES THE RESTORATION OF THE ABILITY TO OBTAIN AN INTERSTITIAL LIQUID LEVEL MEASUREMENT IN SST 241-SX-104 WITH A NON-TYPICAL METHOD. IF THIS DOES NOT ALLOW WEEKLY LEAK DETECTION READINGS TO BE TAKEN, A NEW LOW WILL BE INSTALLED IN TANK 241-SX-104. THE PRACTICE OF USING LOWS AT HANFORD IS AN ESTABLISHED PRACTICE THAT HAS BEEN EXTENSIVELY USED IN THE PAST. THE TASK INVOLVES THE SAFETY EVALUATION, DESIGN, FABRICATION, THE DEVELOPMENT OF PROCEDURES, WORK PLANS, AND THE ACTUAL INSTALLATION OF THE LOW IN A FLAMMABLE GAS WATCH LIST TANK. □□ INTERIM SCHEDULE: □□* DEMONSTRATE THE ABILITY TO OBTAIN AN INTERIM, NON-TYPICAL INTERSTITIAL LIQUID LEVEL MEASUREMENT FROM A FAILED LOW IN TANK 241-SX-104 BY 6/2/95 (THIS SCHEDULE REQUIRES DOE AUTHORIZATION TO DO WORK BY 4/15/95). □□* DETERMINE THE FEASIBILITY AND THE FREQUENCY FOR EMPLOYING THE INTERIM, NON-TYPICAL MEASUREMENT PROCESS FOR SST 241-SX-104 BY 8/4/95. □□* MAKE THE DECISION TO REPLACE AN EXISTING FAILED LOW OR INSTALL A NEW LOW IN A DIFFERENT RISER FOR RESTORING A FULLY FUNCTIONAL LOW IN SST 241-SX-104 BY 10/6/96. □□* INSTALL A FULLY FUNCTIONAL LOW IN SST 241-SX-104 BY ~~12/29/95~~ 9/30/96

Description of what Constitutes Completion of the Commitment:

A LETTER TO RL DOCUMENTING THAT ALL SSTS THAT HAVE SOLID SURFACES AND CONTAIN PUMPABLE LIQUID HAVE OPERATIONAL LEAK DETECTION EQUIPMENT.

Acceptance Criteria:

DEMONSTRATION OF THE ABILITY TO TAKE INTERSTITIAL LIQUID LEVEL MEASUREMENTS FOR ALL SSTS CONTAINING PUMPABLE LIQUID AND A SOLID SURFACE ACCORDING TO THE REQUIREMENTS IN THE OPERATING SPECIFICATION FOR LEAK DETECTION.

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Milestone Description Sheet

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Milestone Control No ^{T21} ~~T2A~~-96-115
WBS Number 1.01.01.02.01.04.0010

Revision/CIN: 0

Due Date: ~~12/29/95~~ 9/30/96

ADS No: 1100

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No ^{T21}~~T2A~~-96-122
WBS Number 1.01.01.02.01.04.0010

Revision/CIN:
Due Date: 9/30/96
ADS No: 1100

Title: Complete Partial Interim Stabilization
Preparations for 5 Flammable Gas Watch
List Tanks in 241-S/SX Tank Farms

Schedule ID: 7A010B

Scheduler:

Milestone Level:	Deliverables	Addressed To:
☐ TPA	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☒ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☒ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

PREPARE AND ISSUE APPROVED RESOURCE-LOADED SCHEDULE FOR ALL REPAIRS NEEDED TO 7 FLAMMABLE GAS WATCH LIST SINGLE-SHELL TANKS (SSTS) 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104, AND 241-SX-105 IN 241-S/SX TANK FARMS, SO THAT ALL REPAIRS NEEDED TO COMMENCE INTERIM STABILIZATION ARE COMPLETED BY 6/30/97. PROVIDE THIS SCHEDULE TO RL BY 6/30/96. PROVIDE MILESTONE ON SCHEDULE FOR PARTIAL COMPLETION OF INTERIM STABILIZATION PREPARATIONS IN FISCAL YEAR 1996 BY 9/30/96. ☐ PROVIDE FOR PARTIAL COMPLETION OF PREPARATIONS TO INTERIM STABILIZE 7 FLAMMABLE GAS WATCH LIST SSTS 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104, AND 241-SX-105 IN 241-S/SX TANK FARMS, ACCORDING TO SCHEDULE PROVIDED. ☐ COMMENCE PREPARATIONS FOR INTERIM STABILIZATION NECESSARY TO SUPPORT PUMPING 7 FLAMMABLE GAS WATCH LIST SSTS 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104, AND 241-SX-105 IN 241-S/SX TANK FARMS, SUFFICIENT TO SUPPORT THE ASSOCIATED TRI-PARTY AGREEMENT MILESTONE M-41-14 ACCORDING TO THE SCHEDULE DESCRIBED ABOVE.

Description of what Constitutes Completion of the Commitment:

PROVIDE COPY OF RESOURCE-LOADED SCHEDULE TO RL BY 6/30/96. COMPLETE PARTIAL FIELD PREPARATIONS FOR INTERIM STABILIZATION OF 7 FLAMMABLE GAS WATCH LIST SSTS 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104 AND 241-SX-105 IN 241-S/SX TANK FARMS THROUGH FISCAL YEAR 1996, ACCORDING TO SCHEDULE.

Acceptance Criteria:

PREPARATIONS TO INTERIM STABILIZE TANKS 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104, AND 241-SX-105 ARE COMPLETED AS REQUIRED BY SUBMITTED SCHEDULE.

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^{T21}
Milestone Control No ~~T2A~~-96-122
WBS Number 1.01.01.02.01.04.0010

Revision/CIN:
Due Date: 9/30/96
ADS No: 1100

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T21-96-201
WBS Number 1.01.01.02.01.04.0001

Revision/CIN: 0
Due Date: 5/31/96
ADS No: 1100-0

Title: STATUS DEVELOPMENT OF DRAFT FY
1997-1998-1999 MULTI-YEAR
PROGRAM PLAN INPUT FOR
TRANSITION WEST TANK FARMS
PROJECT

Schedule ID: N1G7101

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Develop draft input for FY 1997, FY 1998, and FY 1999 Multi-Year Program Plan (MYPP), including Activity-Based Cost (ABC) estimates, input to integrated schedule, and technical workscope by cost account for FY 1997, FY 1998, and FY 1999; Specific deliverables from specific workscope activity (no more than 25% Level of Effort); Estimated cost of each specific requested DOE Milestone (to include this milestone for FY 1998, with the same criteria) and mid-point milestones with specific metrics in percent to accomplishment; Activity based life cycle cost of the work for FY 1997, FY 1998, and FY 1999; Integrated Schedule with a tie to other projects for FY 1997, FY 1998, and FY 1999; Specific technical scope to be accomplished to meet goals and objectives in the Multi-Year Program Plan (Work Plan) Cost, schedule, and technical scope will need to have an identifiable link with the draft. End product will be the submittal of Transition West Tank Farms Project draft input into the FY 1997, FY 1998, and FY 1999 Multi-Year Program Plan with the following elements; 1) Workscope Description - captured on completed, Schedule Activity Planning Forms. 2) Resource Estimates - captured on completed Estimating Work Sheets. 3) Basis of estimates. 4) Milestone Description Sheets for all identified reportable milestones. 5) WBS Dictionary Sheets for all identified reportable milestones. 6) Baseline Resource-Loaded Schedule.

Description of what Constitutes Completion of the Commitment:

Deliverables: Provide status of draft FY 1997, FY 1998, and FY 1999 MYPP cost, schedule, and technical baseline input development for Transition West Tank Farms Project to DOE-RL Monitor by 5/31/96, with a copy to be forwarded to the Director, Tank Farm Operations.

Acceptance Criteria:

Develop draft cost, schedule, and technical baseline input for MYPP for FY 1997, FY 1998, and FY 1999 and provide to DOE-RL Tank Farm Operations Manager. This activity is the first step toward obtaining final approval by DOE-RL and the authorization to start work in the Transition West Tank Farms Project for FY 1997.

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Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T21-96-201
WBS Number 1.01.01.02.01.04.0001

Revision/CIN: 0
Due Date: 5/31/96
ADS No: 1100-0

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System**

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Milestone Description Sheet

WHC-SP-1101
REV. 1

Milestone Control No T21-96-203
WBS Number: 1.01.01.02.01.04.0007

Revision/CIN: 0
Due Date: 9/30/98
ADS No: 1100-0

Title: Perform Activities in 241-TY Single-Shell
Tank Farm in Supprt of the Controlled,
Clean, and Stable Mission

Schedule ID: N1G77040GM

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Perform activities in 241-TY Single-Shell Tank Farm by September 30, 1998, in support of the Controlled, Clean, and Stable Mission. Other milestones supporting completion of this milestone are T21-96-271 "Perform Surface Contamination Cleanup of 241-TY Tank Farm," T21-96-279 "Complete Necessary Structural Analysis to Establish Allowable Loads on SSTs in 241-TY Tank Farm," T21-96-272 "Complete Removal of Above Ground Abandoned Equipment in 241-TY Tank Farm and Transfer to Solid Waste Disposal," T21-96-273 "Achieve Remote Liquid Level Monitoring Capabilities in 241-TY Tank Farm by Connecting all ENRAFs to TMACS," and t21-96-317 "Implement ACs and LCOs Associated with Tank Farm Transition Projects IOSRs Impelmentation Resulting from ASA."

Description of what Constitutes Completion of the Commitment:

Deliverables: A letter for RL, documenting the compeltion of performing activities in 241-TY Single-Shell Tank Farm in support of the Controlled, Clean, and Stable Mission/

Acceptance Criteria:

A letter will be issued to RL documenting WHC's completion of this task. In the letter, WHC will request that RL sign of/date an attached copy of this Milestone Description Sheet (MDS) to document RL's acceptance of completion of the task and closure of the milestone and return the signed MDS to the Transition West Tank Farms Project Manager.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No. T21-96-205
WBS Number: 1.01.01.02.01.04.0001

Revision/CIN: 0
Due Date: ~~3/11/96~~ 10/31/96
ADS No: 1100-0

Title: ISSUE QUARTLY REPORTS
REGARDING STATUS OF ONGOING
ACTIVITIES IN TRANSITION WEST
TANK FARMS PROJECT

Schedule ID: N1G7101

Scheduler:

Milestone Level:

- ☐ TPA
- ☐ DOE-HQ
- ☐ DOE-FO
- ☒ DOE-RL
- ☐ Contractor

Deliverables:

- ☒ Report
- ☐ Letter
- ☐ Drawing
- ☐ Other (Specify)

Addressed To:

- ☐ DOE-HQ
- ☒ DOE-RL
- ☐ Other (Specify)

Description of this Commitment:

Develop and issue quarterly reports throughout FY 1996 to provide status of the following ongoing activities in Transition West Tank Farms Project: Training coordination for TWTFP staff; Nuclear Safety reviews of work packages, designs, procedures, safety documentation, an Operation Readiness Reviews (ORRs); Quality Assurance Pre-Review and Post-Review of work packages, work plans, operating procedures, and maintenance procedures; Technical Review Committee (TRG); Maintenance Administration; Planning/Scheduling and Performance of J-1 Corrective Maintenance (CM) Work Packages; Planning/Scheduling and Performance of J-3 Corrective Maintenance (CM) Work Packages; Planning/Scheduling and Performance of Preventative Maintenance (PM) Work Packages; Herbicide and Pesticide Applications; Industrial Health and Safety and Fire Protection Support; Management and Administration of West Tank Farms Plant Engineering; West Tank Farms Plant Engineering Support of safety basis maintenance, technical requests, P-28 exhauster removal, 244-U punchlist, and dome loading support; West Tank Farms technical and field support to corrective/preventative maintenance of West Tank Farm facilities; restoration of degraded tank farm equipment necessary for safe and compliant receipt, storage, and transfer of waste. Includes performing seasonal equipment surveillances and preparation, e.g., winterization. Troubleshooting of equipment, response to emergency work request and; material acquisition also supports these activities; West Tank Farms Surveillance Monitoring - Liquid Observation Wells (LOWs)/Drywells, Instrumentation, Equipment; West Tank Farms Data Analysis (Technical Support); West Tank Farms Operation Parameters.

Description of what Constitutes Completion of the Commitment:

Successful completion of this milestone will be documented by the issuance of the quarterly reports to DOE-RL by the dates listed above, with a copy of each quarterly report to be provided to the Director, Tank Farm Operations and the Transition West Tank Farm Project (TWTFP) Manager.

Acceptance Criteria:

End Product will provide listing of accomplishments, identification of issues, the impact of those issues to the work going on in the Transition West Tank Farms Project, and identified corrective actions needed to resolve issues. Quarterly reports will be issued by January 31, 1996 (1st quarter report), April 30, 1996 (2nd quarter report), July 31 (3rd quarter report), and October 31, 1996 (4th quarter report).

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Tank Waste Remediation System
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REV. 1

Milestone Control No. T21-96-205
WBS Number: 1.01.01.02.01.04.0001

Revision/CIN: 0

Due Date: ~~3/11/96~~ 10/31/96

ADS No: 1100-0

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company

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Milestone Description Sheet

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REV. 1

Milestone Control No T21-96-²⁰⁷QA
WBS Number 1.01.01.02.01.04.0001

Revision/CIN: 0

Due Date: 9/30/96

ADS No: 1100-0

Title: COMPLETE QUALITY ASSURANCE
ASSESSMENTS FOR TRANSITION WEST
TANK FARMS PROJECT

Schedule ID: N1G7104

Scheduler:**Milestone Level:****Deliverables****Addressed To:**

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
TFO DIRECTOR
AND TWTFP

Description of this Commitment:

A) Complete an annual assessment schedule to identify specifically the areas to be addressed as noted in item B. Schedule to be initiated by October 1, 1995. This schedule will be issued to the Director, Tank Farm Operations, and the Transition West Tank Farms Project (TWTFP) Manager. B) Perform 1 assessment per quarter (4 assessments total in FY 1996) within the following areas: Conduct of Operations, Conduct of Maintenance, and Job Control Processes.

Description of what Constitutes Completion of the Commitment:

Completion of this schedule constitutes completion of this item. Completion of the assessments as scheduled, constitutes completion of this commitment.

Acceptance Criteria:

DOE Order 4330.4A, "Conduct of Maintenance" WHC-IP-0842, "Conduct of Operations" WHC-CM-1-8, "Job Control" WHC-IP-0842, "Job Control System"

MDS APPROVAL**COMPLETION APPROVAL**

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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WHC-SP-1107
REV. 1

Milestone Control No T21-96-210
WBS Number: 1.01.01.02.01.04.0016

Revision/CIN: 0
Due Date: 10/31/95
ADS No: 1120-4

Title: W-058, AWARD OF PIPELINE FIXED
PRICE CONSTRUCTION CONTRACT

Schedule ID: N1G7H6L01M

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
NOTICE OF
AWARD TO

Description of this Commitment:

Issuing the Notice of Award to the selected bidder for the pipeline fixed price construction contract.

Description of what Constitutes Completion of the Commitment:

Notice of Award issued to successful bidder.

Acceptance Criteria:

A letter of Notice of Award is sent to the selected bidder. This deliverable must be acceptable by DOE and criteria for acceptance are unequivocal.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T21-96-232
WBS Number: 1.01.01.02.01.04.0016

Revision/CIN: 0
Due Date: 10/16/95
ADS No: 1120-4

Title: BEGIN ONSITE CONSTRUCTION
FORCES WORK

Schedule ID: N1G7H7G00

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
LOI TO ICF-KH

Description of this Commitment:

The activity that will be accomplished to meet this milestone will be the initiation of PCP preparation for in tank farm work. Completion of this milestone will be when the work order and LOI is issued to ICF-KH.

Description of what Constitutes Completion of the Commitment:

LOI to ICF-KH with instructions and work order to start CF work package preparation and planning.

Acceptance Criteria:

LOI and work order issued to ICF-KH

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T21-96-233
WBS Number: 1.01.01.02.01.04.0016

Revision/CIN: 0
Due Date: 5/1/96
ADS No: 1120-4

Title: W-058, AWARD FIXED PRICE
CONSTRUCTION CONTRACT FOR
DIVERSION BOX

Schedule ID: N1G7H6X01M

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
NOTIFICATION
TO SELECTED
BIDDER

Description of this Commitment:

Issuing the Notice of Award to the selected bidder for the diversion box fixed price construction contract.

Description of what Constitutes Completion of the Commitment:

Letter of Notice of Award dated and issued to selected bidder.

Acceptance Criteria:

Signed letter of Notice of Award to the selected bidder. This deliverable must be acceptable by DOE and criteria for acceptance are unequivocal.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T21-96-234
WBS Number: 1.01.01.02.01.04.0016

Revision/CIN: 0
Due Date: 9/30/96
ADS No: 1120-4

Title: DELIVER TRANSFER PUMPS

Schedule ID: N1G7H6E02M
Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
MATERIAL -
PUMPS

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
ICF-KH/WHC

Description of this Commitment:

This milestone signifies the delivery of the transfer pumps to the site and received by the warehouse.

Description of what Constitutes Completion of the Commitment:

Receipt onsite of the transfer pumps documented by the dated Warehouse Receiving Report.

Acceptance Criteria:

Dated Warehouse Receiving Report for the pump.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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WHC-SP-1101
REV. 1

Milestone Control No T21-96-235
WBS Number: 1.01.01.02.01.04.0016

Revision/CIN: 0
Due Date: 11/21/95
ADS No: 1120-4

Title: PSAR APPROVED BY RL

Schedule ID: N1GH7XM
Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC

Description of this Commitment:

WHC and RL complete Tier II and Tier III reviews of the PSAR and all comments incorporated or documented. RL issuing letter of approval of PSAR.

Description of what Constitutes Completion of the Commitment:

Notification from RL that PSAR is approved.

Acceptance Criteria:

PSAR approved by RL

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T21-96-271
WBS Number: 1.01.01.02.01.04.0007

Revision/CIN: 0
Due Date: 12/29/95
ADS No: 1100

Title: PERFORM SURFACE CONTAMINATION
CLEANUP OF 241-TY TANK FARM

Schedule ID: N1G7705

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Stabilize, decontaminate, and/or survey at least 200,000 ft. of 241-TY Tank Farm contaminated surface area, and downpost that area to a lower risk radiological posting to support the Controlled, Clean, and Stable mission. For the downposting to any lower risk status from any of the following current radiological postings within 241-TY Tank Farm will qualify as an acceptable measure of completion: High Contamination Areas, Contamination Areas, Fixed Contamination Areas, Soil Contamination Areas, and Airborne Radioactivity Areas. This supports completion of TWRS PBI number 96-025-RL.

Description of what Constitutes Completion of the Commitment:

A letter to RL, documenting the stabilization, decontamination, and/or surveying at least 200,000 ft of 241-TY Tank Farm contaminated surface area, and downposting of that area to a lower radiological posting to support the Controlled, Clean, and Stable mission.

Acceptance Criteria:

A letter will be issued to RL documenting WHCs completion of this task. In the letter, WHC will request that RL sign off/date an attached cope of this MDS to document RLs acceptance of completion of the task and closure of the milestone and return the signed MDS to the Transition West Tank Farms Project Manager.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T21-96-272
WBS Number: 1.01.01.02.01.04.0007

Revision/CIN: 0
Due Date: 12/29/95
ADS No: 1100

Title: COMPLETE REMOVAL OF ABOVE
GROUND ABANDONED EQUIPMENT IN
241-TY TANK FARM AND TRANSFER
TO SOLID WASTE DISPOSAL

Schedule ID: N1G7706

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Complete removal of above ground abandoned equipment in 241-TY Tank Farm and transfer to Solid Waste Disposal. The abandoned above ground equipment that will be removed is that equipment that can no longer be used for present or future needs. This task encompasses removal of above ground abandoned equipment, including packaging, removal, and shipment of Solid Waste Disposal. This support completion of TWRS PBI 96-025-R1.

Description of what Constitutes Completion of the Commitment:

A letter to RL, documenting the completion of above ground abandoned equipment removal in 241-TY Tank Farm and transferral to Solid Waste Disposal to support the Controlled, Clean, and Stable mission.

Acceptance Criteria:

A letter will be issued to RL documenting WHCs completion of this task. In the letter, WHC will request that RL sign off/date an attached copy of this MDS to document RLs acceptance of completion of the task and closure of the milestone and return of the signed MDS to the Transition West Tank Farms Project Manager.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T21-96-273
WBS Number: 1.01.01.02.01.04.0007

Revision/CIN: 0
Due Date: 12/29/95
ADS No: 1100
Schedule ID: UNKNOWN

Title: ACHIEVE REMOTE LIQUID LEVEL
MONITORING CAPABILITIES IN 241-TY
TANK FARM BY CONNECTING ALL
ENRAFs TO TMACS

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

This task provides for the addition of new tank farm instrumentation in 241-TY Tank Farm through installation of four ENRAF waste tank surface level indicator devices. The ENRAFs will be installed in the following tanks in 241-TY Tank Farm: TY-102, TY-103, TY-105, and TY-106. The ENRAFs will be connected to the TMACS I/O network. The installation of ENRAFs and their connection to TMACS will achieve remote liquid level monitoring capabilities by connecting all ENRAF readings to TMACS. This supports completion of TWRS PBI 96-025-R1.

Description of what Constitutes Completion of the Commitment:

A letter to RL, documenting the completion of installation of four ENRAF waste tank surface level indicator devices in 241-TY Tank Farm and connection of the ENRAFs to the TMACS I/O network to support the Controlled, Clean, and Stable mission.

Acceptance Criteria:

A letter will be issued to RL documenting WHCs completion of this task. In the letter, WHC will request that RL sign off/date an attached copy of this MDS to document RLs acceptance of completion of the task and closure of the milestone and return the signed MDS to the Transition West Tank Farms Project Manager.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T21-96-279
WBS Number: 1.01.01.02.01.04.0007

Revision/CIN: 0
Due Date: 12/29/95
ADS No: 1100
Schedule ID: N1G77040D

Title: COMPLETE NECESSARY STRUCTURAL
ANALYSIS TO ESTABLISH
ALLOWABLE LOADS ON SST IN 241-TY
TANK FARM

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Complete the structural analyses necessary to establish allowable loads on SSTs in 241-TY Tank Farm. This supports completion of TWRS PBI 96-025-R1.

Description of what Constitutes Completion of the Commitment:

A letter to RL, documenting the completion of the structural analyses necessary to establish allowable loads on TY SSTs to support the Controlled, Clean, and Stable mission

Acceptance Criteria:

A letter will be issued to RL documenting WHCs completion of this task. In the letter, WHC will request that RL sign off/date an attached copy of this MDS to document RLs acceptance of completion of the task and closure of the milestone and return the signed MDS to the Transition West Tank Farms Project Manager.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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Milestone Description Sheet

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REV. 1

Milestone Control No T21-96-291
WBS Number: 1.01.01.02.01.04.0001

Revision/CIN: 0
Due Date: 8/30/96
ADS No: 1100-0

Title: Submit FY 1997-98-99 FINAL Multi-Year
Program Plan Input for Transition West
Tank Farms Project

Schedule ID: N1G7101

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Submittal of
FINAL MYPP

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Develop final input for FY 1997, FY 1998, and FY 1999 Multi-Year Program Plan (MYPP), included Activity-Based Cost (ABC) estimates, input to integrated schedule, and technical workscope by cost account for FY 1997, FY 1998, and FY 1999. Specific deliverables from specific workscope activity (no more than 25% Level of Effort). Estimated cost of each specific requested DOE milestone deliverable. Proposed RL Milestones (to include this milestone for FY 1998, with the same criteria) and mid-point milestones with specific metrics in percent to accomplishment. Activity based life cycle cost of the work for FY 1997, FY 1998, and FY 1999. Integrated Schedule with a tie to other projects for FY 1997, FY 1998, and FY 1999. Specific technical scope to be accomplished to meet goals and objectives in the Multi-Year Program Plan (Work Plan). Cost, schedule, and technical scope will need to have an identifiable link within the draft. End product will be the submittal of Transition West Tank Farms Project final input into the FY 1997, FY 1998, and FY 1999 Multi-Year Program Plan with the following elements: Workscope Description - captured on completed Schedule Activity Planning Forms. Resource Estimates - captured on completed Estimating Work Sheets. Basis of estimates. Milestone Description Sheets for all identified reportable milestones. WBS Dictionary Sheets at the cost account level. Baseline Resource-Loaded Schedule.

Description of what Constitutes Completion of the Commitment:

Deliverables: Submit Transition West Tank Farms Project Final Input for FY 1997, FY 1998, and FY 1999 Multi-Year Program Plan to RL Monitor by 8/30/96 with final approval form RL by 9/30/96, with a copy to be forwarded to the Director, Tank Farm Operations

Acceptance Criteria:

Develop final cost, schedule, and technical baseline input for MYPP for FY 1997, FY 1998, and FY 1999 and provide to RL Tank Farm Operations Manager. Completion of this activity will be measured by final approval by RL and the authorization to start work in the Transition West Tank Farms Project for FY 1997.

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Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T21-96-291
WBS Number: 1.01.01.02.01.04.0001

Revision/CIN: 0
Due Date: 8/30/96
ADS No: 1100-0

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No. ²⁹³~~T21-96-290~~
WBS Number: 1.01.01.02.01.04.0001

Revision/CIN: 0
Due Date: 6/28/96
ADS No: 1100-0

Title: Submit FY 1997, 1998, 1999 DRAFT Multi-Year Program Plan Input for Transition West Tank Farms Project

Schedule ID: N1G7101

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Submittal of
Draft

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Develop final input for FY 1997, FY 1998, and FY 1999 Multi-Year Program Plan (MYPP), included Activity-Based Cost (ABC) estimates, input to integrated schedule, and technical workscope by cost account for FY 1997, FY 1998, and FY 1999. Specific deliverables from specific workscope activity (no more than 25% Level of Effort). Estimated cost of each specific requested DOE milestone deliverable. Proposed RL Milestones (to include this milestone for FY 1998, with the same criteria) and mid-point milestones with specific metrics in percent to accomplishment. Activity based life cycle cost of the work for FY 1997, FY 1998, and FY 1999. Integrated Schedule with a tie to other projects for FY 1997, FY 1998, and FY 1999. Specific technical scope to be accomplished to meet goals and objectives in the Multi-Year Program Plan (Work Plan). Cost, schedule, and technical scope will need to have an identifiable link within the draft. End product will be the submittal of Transition West Tank Farms Project final input into the FY 1997, FY 1998, and FY 1999 Multi-Year Program Plan with the following elements: Workscope Description - captured on completed Schedule Activity Planning Forms. Resource Estimates - captured on completed Estimating Work Sheets. Basis of estimates. Milestone Description Sheets for all identified reportable milestones. WBS Dictionary Sheets at the cost account level. Baseline Resource-Loaded Schedule.

Description of what Constitutes Completion of the Commitment:

Acceptance Criteria:

Develop draft cost, schedule, and technical baseline input for MYPP for FY 1998, and FY 1999 and provide to RL Tank Farm Operations Manager. This activity is the first step toward obtaining final approval by RL and the authorization to start work in the Transition West Tank Farms Project for FY 1997.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T21-96-304
WBS Number: 1.01.01.02.01.04.0003

Revision/CIN: 0
Due Date: 6/28/96
ADS No: 1100
Schedule ID: N1G73010C4

Title: PRESSURE TEST CROSS-SITE
TRANSFER LINE NO. IN 200 WEST
AREA

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Development of work plan. Identification and support of the CBRS/PMS of related instrumentation. All required permits and coordination points-of-contact identified for regulatory agencies, if future cross-site waste transfer using cross-site transfer line No. is required. Pressure test cross-site transfer line No. to determine usability for future cross-site waste transfers.

Description of what Constitutes Completion of the Commitment:

A letter will be provided to RL, documenting the results of the pressure test of cross-site transfer line No.

Acceptance Criteria:

All personnel, hardware, and procedures are ready for waste transfer using cross-site transfer line No. by June 28, 1996, if the need to use that cross-site transfer line to perform future cross-site transfer is required.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T21-96-305
WBS Number: 1.01.01.02.01.04.0003

Revision/CIN: 0
Due Date: 12/30/95
ADS No: 1100
Schedule ID: N1G73030B5

Title: COMPLETE IMPLEMENTATION OF 10
CFR 835

Scheduler:

Milestone Level:

- ☐ TPA
- ☐ DOE-HQ
- ☐ DOE-FO
- ☒ DOE-RL
- ☐ Contractor

Deliverables:

- ☐ Report
- ☒ Letter
- ☐ Drawing
- ☐ Other (Specify)

Addressed To:

- ☐ DOE-HQ
- ☒ DOE-RL
- ☐ Other (Specify)

Description of this Commitment:

Complete the compliance review to document 10CFR835 implementation by December 29, 1995. Field verify all radiological control responsibilities as defined in the Radiological Protection Plan. Perform self assessment by October 31, 1995. Perform follow-up assessment by November 30, 1995. Achieve full compliance by December 29, 1995.

Description of what Constitutes Completion of the Commitment:

Deliverables: Successful completion of this milestone will be documented by the issuance of a letter to RL by December 29, 1995, with a copy to be provided to the Director, Tank Farm Operations and his/her direct reports.

Acceptance Criteria:

Implementation documentation for 10 CFR 835 compliance is in place in an auditable manner.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1

Milestone Control No T21-96-306
WBS Number: 1.01.01.02.01.04.0002

Revision/CIN: 0
Due Date: 9/30/96
ADS No: 1100-0

Title: Develop & Implement Haz Com Program for
Transition West Tank Farms Project

Schedule ID: N1G72010A

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Develop and implement the HAZ COM Program for Transition West Tank Farms Project. This program will provide workers with the knowledge and tools necessary to perform their jobs in a safe manner when dealing with chemical hazards in the workplace. Complete development of the Haz

Description of what Constitutes Completion of the Commitment:

Deliverables: Successful completion of this milestone will be documented by the issuance of a letter outlining what has been done to develop and implement the HAZ COM Program for TWTFP Program for TWTFP to RL by 9/30/1996, with a copy to be provided to the Director, Tank Farm Operations; the Transition West Tank Farms Project Manager; and other identified WHC staff who need to be cognizant of its contents.

Acceptance Criteria:

DOE Order 5480.19 , DOE Order 43304B, 29CFR1910.1200

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
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REV. 1

Milestone Control No T21-96-307
WBS Number: 1.01.01.02.01.04.0003

Revision/CIN: 0
Due Date: 9/30/96
ADS No: 1100-0

Title: ENSURE COGNIZANT ENGINEERS FOR
TRANSITION WEST TANK FARMS
PROJECT ARE ADEQUATELY TRAINED

Schedule ID: N1G73050A7

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
TFO Director
and TWTFP

Description of this Commitment:

Based on the Cognizant Engineer Training Plan/Curriculum being developed by the TWRS Training and Procedures Department, ensure all Cognizant Engineers identified in the Transition West Tank Farms Project are adequately trained.

Description of what Constitutes Completion of the Commitment:

Successful completion of required training for all Cognizant Engineers identified in the Transition West Tank Farms Project will be documented by the issuance of a letter to the Director, Tank Farm Operations and the Transition West Tank Farms Project (TWTFP) Manager, with a copy to be forwarded to DOE-RL.

Acceptance Criteria:

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T21-96-309

Revision/CIN: 0

WBS Number: 1.01.01.02.01.04.0006

Due Date: ~~9/30/98~~ 3/23/98

ADS No: 1100-0

Title: Perform Activities in 241-TX Single Shell
Tank Farm in support of the Controlled,
Clean, and Stable Mission

Schedule ID: N1G76TX

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Perform activities in 241-TX Single-Shell Tank Farm by September 30, 1998, in support of the Controlled, Clean, and Stable Mission. Other milestones supporting completion of this milestone are T21-96-314 "Perform Surface Contamination Cleanup of 241-TX Tank Farm," T21-96-315 "Complete Removal of Above Ground Abandoned Equipment in 241-TX Tank Farm and Transfer to Solid Waste Disposal," T21-96-316 "Achieve Remote Liquid Level Monitoring Capabilities in 241-TX Tank Farm by Connecting All ENRAFs to TMACs," and T21-96-317 "Implement ACs and LCOs Associated with Tank Farm Transition Projects IOSRs Implementation Resulting from ASA."

Description of what Constitutes Completion of the Commitment:

A letter for RL, documenting the completion of performing activities in 241-TX Single Shell Tank Farm in support of the Controlled, Clean, and Stable Mission, with a copy to be forwarded to the Director, Tank Farm Operation, and his/her direct reports.

Acceptance Criteria:

A letter will be issued at RL documenting WHC's completion of this task. In the letter WHC will request that RL sign off/date attached copy of this milestone Description Sheet (MDS) to document RL's acceptance of completion of the task and closure of the milestone and return the signed MDS to the Transition West Tank Farms Project Manager.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1

Milestone Control No T21-96-310
WBS Number: 1.01.01.02.01.04.0002

Revision/CIN: 0
Due Date: ~~3/29/96~~ 2/26/96
ADS No: 1100

Title: Provide Maintenance Optimization Plan for
Rebaselining of Preventative Maintenance
(PM) Work Packages.

Schedule ID: N1G72020D

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Plan and perform documentation of Preventative Maintenance (PM) work packages to maintain 85% equipment availability. Each PM will be reviewed using Reliability Centered Maintenance (RCM) principles to determine PM rate, PM applicability, and other options. PM performance will be monitored, documented, and trended for future reference and to make improvements in maintenance performance and productivity in order to maintain 85% equipment availability.

Description of what Constitutes Completion of the Commitment:

Deliverables: Successful completion of this milestone will be documented by the issuance of a PMOP to DOE-RL by 3/29/96, with a copy to be provided to the Director, Tank Farm Operations; the Transition West Tank Farms Project Manager, the Transition West Tank Farms Project Maintenance Manager, and other identified WHC staff who need to be cognizant of its contents.

Acceptance Criteria:

DOE Order 4330.4B

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T21-96-315
WBS Number: 1.01.01.02.01.04.0006

Revision/CIN: 0
Due Date: ~~8/31/96~~ 3/25/96
ADS No: 1100

Title: COMPLETE REMOVAL OF ABOVE
GROUND ABANDONED EQUIPMENT IN
241-TX TANK FARM AND TRANSFER
TO SOLID WASTE DISPOSAL

Schedule ID: N1G7606

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Complete removal of above ground abandoned equipment in 241-TX Tank Farm and transfer to Solid Waste Disposal. The abandoned above ground equipment that will be removed is that equipment that can no longer be used for present or future needs. This task encompasses removal of above ground abandoned equipment, including packaging, removal, and shipment to Solid Waste Disposal. This supports completion of TWRS PBI 96-088-RL.

Description of what Constitutes Completion of the Commitment:

A letter to RL, documenting the completion of above ground abandoned equipment removal in 241-TX Tank Farm and transferral to Solid Waste Disposal to support the Controlled, Clean, and Stable mission.

Acceptance Criteria:

A letter will be issued to RL documenting WHCs completion of this task. In the letter, WHC will request that RL sign off/date an attached copy of this MDS to document RLs acceptance of completion of the task and closure of the milestone and return the signed MDS to the Transition West Tank Farms Project Manager.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
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REV. 1

Milestone Control No T21-96-316
WBS Number: 1.01.01.02.01.04.0006

Revision/CIN: 0
Due Date: ~~8/31/96~~ 6/27/96
ADS No: 1100

Schedule ID: N1G76030B1

Title: ACHIEVE REMOTE LIQUID LEVEL
MONITORING CAPABILITIES IN 241-TX
TANK FARM BY CONNECTING ALL
ENRAF TO TMACS

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

This task provides for the addition of new tank farm instrumentation in 241-TX Tank Farm through installation of 18 ENRAF waste tank surface level indicator devices. The ENRAFs will be installed in the following tanks in 241-TX Tank Farm: TX-101, TX-102, TX-103, TX-104, TX-105, TX-106, TX-107, TX-108, TX-109, TX-110, TX-111, TX-112, TX-113, TX-114, TX-115, TX-116, TX-117, and TX-118. The ENRAFs will be connected to TMACS will achieve remote liquid level monitoring capabilities by connecting all ENRAF readings to TMACS. This supports completion of TWRS PBI 96-088-R1.

Description of what Constitutes Completion of the Commitment:

A letter to RL, documenting the completion of installation of 18 ENRAF waste tank surface level indicator devices in 241-TX Tank Farm and the connection of the ENRAFs to the TMACS I/O network to support the Controlled, Clean, and Stable mission.

Acceptance Criteria:

A letter will be issued to RL documenting WHCs completion of this task. In the letter, WHC will request the RL to sign off/date an attached copy of this MDS to document RLs acceptance of completion of the task and closure of the milestone and return the signed MDS to the Transition West Tank Farms Project Manager.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
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Milestone Control No T21-96-317
WBS Number: 1.01.01.02.01.04.0006

Revision/CIN: 0
Due Date: ~~8/31/96~~ 8/15/96
ADS No: 1100
Schedule ID: N1G76040E

Title: IMPLEMENT AC AND LCO
ASSOCIATED WITH TANK FARM
TRANSITION PROJECTS IOSR
IMPLEMENTATION RESULTING FROM
ASA

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Implementation of the ACs and LCOs associated with Tank Farm Transition Projects IOSRs implementation resulting from the ASA. This supports completion of TWRS PBI 96-088-R1 and TWRS PBI Number 96-025-R1.

Description of what Constitutes Completion of the Commitment:

A letter to RL, documenting the implementation of the ACs and LCOs associated with Tank Farm Transition Projects IOSRs implementation resulting from the ASA to support the Controlled, Clean, and Stable mission, with a copy to be forwarded to the Director, Tank Farm Operations, and his/her direct reports.

Acceptance Criteria:

A letter will be issued to RL documenting WHCs completion of this task. In the letter WHC will request that RL sign off/date an attached copy of this MDS to document RLs acceptance of completion of the task and closure of the milestone and return the signed MDS to Transition West Tank Farms Project Manager.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T21-96-319

Revision/CIN: 0

WBS Number: 1.01.01.02.01.04.0003

Due Date: 9/30/96

ADS No: 1100-0

Title: Operations Environmental Requirements

Schedule ID: N1G73050E

Scheduler:

Milestone Level:

Deliverables:

Addressed To:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☒ Letter

☒ DOE-RL

☐ DOE-FO

☐ Drawing

☐ Other (Specify)

☒ DOE-RL

☐ Other (Specify)

☐ Contractor

Description of this Commitment:

IOSR Administrative Controls (12) OER Procedure Drafting (3) and OER Administration Control (46).

Description of what Constitutes Completion of the Commitment:

Deliverables: Completion of 33 Operations Environmental Requirements (OER) Procedures. Completion of 12 Interim Operating Safety Requirements (IOSR) Administrative Controls. Completion of 46 OER Administrative Controls. Successful completion of this milestone will be documented by the issuance of letter to DOE-RL on a quarterly basis, which includes data on the specific OER procedures, IOSR Administrative Controls, and OER Administrative Controls have been completed, with a copy to be forwarded to the Director, Tank Farm Operations and the Transition West Tank Farms Project (TWTFP) Manager.

Acceptance Criteria:

WHC-IP-0842, "TWRS Administration Manual," Volume II, Section 4.16.1.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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REV. 1

Milestone Control No T21-96-321
WBS Number: 1.01.01.02.01.04.0003

Revision/CIN: 0
Due Date: 4/30/96
ADS No: 1100-0

Title: Re-evaluate Workplace Air Sampling

Schedule ID: N1G73040C
Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Field verification of airborne characterization practices. Complete update of documentation.

Description of what Constitutes Completion of the Commitment:

Deliverables: Field evaluation of air sampling practices - 2/28/96. Re-write/upgrade documentation- 4/30/96.

Acceptance Criteria:

Hanford Site Radiological Control Manual (HSRCM) commitments.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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WHC-SP-1101
REV. 1

Milestone Control No T21-96-323
WBS Number: 1.01.01.02.01.04.0010

Revision/CIN: 0
Due Date: 9/30/96
ADS No: 1100-0

Title: Complete Partial Interim Stabilization -
Preparations for 1 Organic Watch List in
241-SX Tank Farm

Schedule ID: 7A010B

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Prepare and issue approved resource-loaded schedule for all repairs needed to 1 Organic Watch List Single-Shell Tank (SST) 241-SX-106 in 241-SX Tank Farm, so that all repairs needed to commence interim stabilization are completed by 6/30/97. Provide this schedule to RL by 6/30/96. Provide milestone on schedule for partial completion of interim stabilization preparations in FY 1996 by 9/30/96. Provide partial completion of preparations to interim stabilize 1 Organic Watch List SST 241-SX-106 in 241-SX Tank Farm, according to schedule provided. Commence preparations for interim stabilization necessary to support pumping 1 Organic Watch List SST 241-SX-106 in 241-SX Tank Farms sufficient to support the associated TPA Milestone M-41-15 according to the schedule described above. Refer to T2A-96-124 for remainder of completion of partial interim stabilization preparations that are M-41-15 related.

Description of what Constitutes Completion of the Commitment:

Provide copy of resource-loaded schedule to RL by 6/30/96. Complete partial field preparations for interim stabilization of 1 Organic Watch List SST 241-SX-106 in 241-SX Tank Farm throughout FY 1996, according to schedule.

Acceptance Criteria:

Preparations to interim stabilize Tanks 241-S-102 and 241-S-106 are completed as required by submitted schedule.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T21-96-325
WBS Number: 1.01.01.02.01.04.0002

Revision/CIN: 0
Due Date: 9/30/96
ADS No: 1100-0
Schedule ID: N1G72020D

Title: Determine Effective Predictive Maintenance
Techniques and Implement 10 Percent of
Techniques

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

As part of the Maintenance Optimization effort, determine the most effective condition monitoring techniques to use in conjunction with planned maintenance to increase equipment availability and reduce cost. Once a new technique has been developed, an implementation plan will be put in place which includes a schedule to which commencement of the plan will occur. Identify condition monitoring techniques as appropriate per the Preventative Maintenance Optimization Plan by March 31, 1996. Implement 10% of the condition monitoring techniques as identified by September 31, 1996.

Description of what Constitutes Completion of the Commitment:

Successful completion of this milestone will be documented by the issuance of a letter to DOE-RL by 9/30/96, which includes data on the condition monitoring techniques identified and what techniques have been implemented, with a copy to be provided to the Director, Tank Farm Operations; the Transition West Tank Farms Project Manager; and the Transition West Tank Farms Project Maintenance Manager.

Acceptance Criteria:

DOE Order 4330.4B

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM
MILESTONE DESCRIPTION SHEET

WHC-SP-1101
REV. 1

(1) Title: Prepare & Present Monthly
Performance Review

(2) Schedule ID: N1G7B0CM01

(3) Revision CIN:

(4) ADS: 1100

(5) WBS Number: 1.1.1.2.01.04.11

(6) Scheduler: K. P. Godfrey

(7) Milestone Control Number: T21-96-650

(8) Due Date: 9/30/96

(9) Milestone Type

(10) Deliverables

(11) Addressed to

☐ TPA _____

☒ Report

☐ DOE-HQ

☐ DOE-HQ _____

☐ Letter

☐ DOE-RL

☐ DOE-FO _____

☐ Drawings

☐ DOE-RL _____

☐ Contractor

☒ Other (WHC)

☐ Other (Specify)

(12) Description of this commitment:

Monthly cost and schedule performance reviews will be provided to DOE-RL. The review information will cover cost variance explanations, schedule variance explanations, staffing and overtime status, and corrective action plans.

(13) Description of what constitutes completion of the commitment:

Complete a briefing each month with DOE-RL personnel. The briefing should take place during the third week of the month for the prior months performance.

(14) Acceptance Criteria:

All briefings shall be provided to DOE-RL approximately two days in advance of the formal briefing.

(15) MDS APPROVAL

(16) COMPLETION APPROVAL

Date milestone was completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1

Milestone Control No T21-97-211
WBS Number: 1.01.01.02.01.04.0016

Revision/CIN: 0
Due Date: 4/18/97
ADS No: 1120-4

Title: W-058, COMPLETION OF
CONSTRUCTION OF THE PIPELINE
FIXED PRICE CONSTRUCTION

Schedule ID: N1G7H6L05M

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Completion of construction of the pipeline installation signifies the completion of construction activities and acceptance testing of the work performed by the pipeline fixed price construction contractor. This will be documented by the signature and approvals on Section I of the OAC for the pipeline contract.

Description of what Constitutes Completion of the Commitment:

This deliverable must be acceptable by DOE and criteria for acceptance are unequivocal.

Acceptance Criteria:

Transmittal of the OAC with approved Section I for the workscope for the fixed price construction contract for the pipeline contract.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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Milestone Control No T21-97-214
WBS Number: 1.01.01.02.01.04.0016

Revision/CIN: 0
Due Date: 8/29/97
ADS No: 1120-4

Title: W-058, COMPLETION OF
CONSTRUCTION OF THE DIVERSION
BOX FIXED PRICE CONSTRUCTION
CONTRACT

Schedule ID: N1G7H7L03M

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Completion of construction of the diversion box installation signifies the completion of construction activities and acceptance testing of the work performed by the diversion box fixed price construction contractor. This will be documented by the signatures of approval on Section I of the OAC for the diversion box contractor.

Description of what Constitutes Completion of the Commitment:

Transmittal of the OAC with the approved Section I for the workscope of the fixed price construction contract for the diversion box.

Acceptance Criteria:

OAC with approved Section I for the workscope of the fixed price construction contract for the diversion box. This deliverable must be acceptable by DOE and criteria for acceptance are unequivocal.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Date Milestone Was Completed

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REV. 1

Milestone Control No T21-97-232
WBS Number: 1.01.01.02.01.04.0016

Revision/CIN: 0
Due Date: 8/28/97
ADS No: 1120-4
Schedule ID: N1G7HF05R

Title: COMPLETE CONSTRUCTION FORCES
WORK ON THE CSTS

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Completion of all construction activities by CF for CSTS, documented by closeout of all related CF Process Control Packages.

Description of what Constitutes Completion of the Commitment:

Letter to RL confirming closeout of all CF PCPs.

Acceptance Criteria:

Signatures of completion of all CF Process Control Packages.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T21-97-234

Revision/CIN: 0

WBS Number: 1.01.01.02.01.04.0016

Due Date: 8/29/97

ADS No: 1120-4

Title: W-058, APPROVAL OF CSTS FSAR BY
WHC

Schedule ID: N1G7H7WM

Scheduler:

Milestone Level:

- ☐ TPA
- ☐ DOE-HQ
- ☐ DOE-FO
- ☒ DOE-RL
- ☐ Contractor

Deliverables:

- ☐ Report
- ☒ Letter
- ☐ Drawing
- ☐ Other (Specify)

Addressed To:

- ☐ DOE-HQ
- ☒ DOE-RL
- ☐ Other (Specify)

Description of this Commitment:

The completion of WHC reviews and comment incorporation lead to the final approval of the FSAR. Final signature by WHC on the document constitutes WHC approval.

Description of what Constitutes Completion of the Commitment:

Letter transmitting WHC approved FSAR to RL.

Acceptance Criteria:

The final WHC approval signature on the document dates the completion of this milestone. This deliverable must be acceptable by DOE and criteria for acceptance are unequivocal.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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REV. 1

Milestone Control No. T2A-95-105

Revision/CIN: 1 M-41-94-02

WBS Number: 1.01.01.02.00.01.0005.0001
.0004.0008

Due Date: 8/31/96

ADS No: 1100

Title: START INTERIM STABILIZATION OF 1
NON-WATCH LIST TANK IN 241-U
TANK FARM

Schedule ID: N1E510B042

Scheduler:

Milestone Level:

☒ TPA M-41-08
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Response to
TPA Milestone

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE ALL PHYSICAL ACTIVITIES AND COMPREHENSIVE REVIEWS REQUIRED TO START PUMPS OF 1 NON-WATCH LIST TANK 241-U-102. PROVIDE INTERIM STABILIZATION ENGINEERING, OPERATIONS, AND MAINTENANCE SUPPORT TO RESOLVE ISSUES AND START PUMPING FOR TANK 241-U-102. NOTIFY DOE-RL WHEN COMPLETED.

Description of what Constitutes Completion of the Commitment:

NOTIFY DOE-RL THAT PUMPING HAS BEEN INITIATED FOR TANK 241-U-102.

Acceptance Criteria:

PUMPING OF ONE GALLON OF LIQUID FROM NON-WATCH LIST TANK 241-U-102 WILL CONSTITUTE THE START OF PUMPING AND MILESTONE COMPLETION.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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Milestone Control No. T2A-95-106

Revision/CIN: 1 M-41-94-02 REV. 1

WBS Number: 1.01.01.02.01-05-0001
01.0008

Due Date: 8/31/96

ADS No: 1100

Title: START INTERIM STABILIZATION OF 3
ORGANIC WATCH LIST TANKS IN 241-
U TANK FARM

Schedule ID: N1E510B039

Scheduler:

Milestone Level:

☒ TPA M-41-13
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Response to
TPA Milestone

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE ALL PHYSICAL ACTIVITIES AND COMPREHENSIVE REVIEWS REQUIRED TO START PUMPS OF 3 ORGANIC WATCH LIST TANKS 241-U-106, 241-U-107, AND 241-U-111. PROVIDE INTERIM STABILIZATION ENGINEERING, OPERATIONS, AND MAINTENANCE SUPPORT TO RESOLVE ISSUES AND START PUMPING FOR TANKS 241-U-106, 241-U-107, AND 241-U-111. NOTIFY DOE-RL WHEN COMPLETED.

Description of what Constitutes Completion of the Commitment:

NOTIFY DOE-RL THAT PUMPING HAS BEEN INITIATED FOR TANKS 241-U-106, 241-U-107, AND 241-U-111 as deferred by the TPA

Acceptance Criteria:

PUMPING OF ONE GALLON OF LIQUID FROM EACH ORGANIC WATCH LIST TANK 241-U-106, 241-U-107, 241-U-111 WILL CONSTITUTE THE START OF PUMPING AND MILESTONE COMPLETION.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T2A-95-124
WBS Number: 1.01.01.02.01.04.0009

Revision/CIN:
Due Date: 9/30/95
ADS No: 1100
Schedule ID: N1E510D032

Title: Complete Partial Interim Stabilization
Preparations for 7 Non Watch List Tanks in
241-S Tank Farm

Scheduler:

Milestone Level:	Deliverables:	Addressed To:
☐ TPA	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☒ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☒ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

PROVIDE FOR PARTIAL COMPLETION OF PREPARATIONS TO INTERIM STABILIZE 7 NON-WATCHLIST SSTs 241-S-101, 241-S-103, 241-S-106, 241-S-107, 241-S-108, 241-S-109, AND 241-S-110 IN 241-S TANK FARM, ACCORDING TO SCHEDULE PROVIDED AND SUFFICIENT TO SUPPORT THE ASSOCIATED TRI-PARTY AGREEMENT MILESTONE M-41-09. ACTIVITIES INCLUDE: □* COMPLETION OF DESIGN FOR THE TWO OVERGROUND TRANSFER LINES BY 5/31/95 □* DELIVERY AND COMPLETION OF OPERATIONAL TEST PROCEDURES (OTPS) ON THE PROTOTYPE PUMP INSTRUMENT CONTROL SKID BY 5/31/95 □* COMPLETE FABRICATION OF REQUIRED SALTWELL SCREENS BY 8/31/95

Description of what Constitutes Completion of the Commitment:

NOTIFY RL THAT THE ACTIVITIES ARE COMPLETE AND THAT WHC IS SCHEDULED TO MEET THE TRI-PARTY AGREEMENT MILESTONE M-41-09.

Acceptance Criteria:

THE ACTIVITIES SPECIFIED ABOVE ARE COMPLETED AS REQUIRED BY SUBMITTED REVISED SCHEDULE.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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Milestone Control No T2A-95-138
WBS Number: 1.01.01.02.01.04.0003

Revision/CIN:
Due Date: ~~3/31/95~~ 8/1/95
ADS No: 1100
Schedule ID: N1G730E10

Title: Restore Cross-Site Transfer Capability in
200 West Area

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

RESTORE THE CAPABILITY TO PERFORM CROSS-SITE WASTE TRANSFERS BY MARCH 31, 1995. THIS INCLUDES: ☐ DEVELOPMENT OF WORK PLANS ☐ PROCEDURE DEVELOPMENT, REVIEW, AND APPROVAL ☐ PRESSURE TEST CROSS-SITE TRANSFER LINE ☐ SAMPLING AND PUMPING OF LEAK DETECTORS AND RELATED CATCH TANKS ☐ IDENTIFICATION AND SUPPORT OF THE CBRs/PMS OF RELATED INSTRUMENTATION ☐ COMPLETE JUMPER CHANGES

Description of what Constitutes Completion of the Commitment:

APPROVED CROSS-SITE PROCEDURE ☐ SAMPLE AND PUMP WASTE FROM UX-302-A ☐ SAMPLE AND PUMP WASTE FROM 244-S ☐ SAMPLE AND PUMP WASTE FROM S-304 ☐ PRESSURE TEST CROSS-SITE TRANSFER LINE ☐ IDENTIFICATION AND SUPPORT OF THE CBRs/PMS OF RELATED INSTRUMENTATION ☐ PERFORM REQUIRED PIT ENTRIES AND JUMPER CHANGES NEEDED TO ESTABLISH TRANSFER ROUTE ☐ PERFORM TRANSFER FROM 102-SY TO 102-AY

Acceptance Criteria:

ALL PERSONNEL, HARDWARE, AND PROCEDURES ARE READY FOR START OF WASTE TRANSFER FROM 102-SY TO 102-AY BY MARCH 31, 1995. ☐ ALL REQUIRED PERMITS AND COORDINATION COMPLETED WITH REGULATORY AGENCIES.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1

Milestone Control No T2A-95-144
WBS Number: 1.01.01.02.01.04.0004

Revision/CIN:
Due Date: 9/29/95
ADS No: 1100
Schedule ID: N1G740G10

Title: Complete Health Physics Issuance of
Monthly Radiological Status Report for 200
West Area

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

HEALTH PHYSICS PROVIDES REQUIRED SURVEYS AT WEST TANK FARMS ON A ROUTINE SCHEDULE AS REQUIRED BY APPLICABLE REGULATIONS. THIS INCLUDES RADIATION MONITORING, PERSONNEL, RADIOLOGICAL AND WORKPLACE SURVEYS. THEY PERFORM/MONITOR SOURCE CHECKS, PCM1B SOURCE CHECKS ON A DAILY BASIS AS WELL AS PCM1B EFFICIENCY CHECKS WEEKLY. THEY PROVIDE SUPPORT TO OBTAIN ALL REQUIRED DST/SST DATA WITHIN SPECIFIED FREQUENCIES. ISSUE STATUS REPORTS ALONG WITH MAINTAINING AND UPDATING TANK FARM STATUS MAPS.

Description of what Constitutes Completion of the Commitment:

ISSUE 12 MONTHLY RADIOLOGICAL STATUS REPORTS FOR DOE-RL REVIEW.

Acceptance Criteria:

DOCUMENTED RESULTS THAT IDENTIFY THE COMPLETION OF THE MONTHLY RADIOLOGICAL STATUS REPORT FOR 200 WEST AREA. □ □ HEALTH PHYSICS WILL PERFORM REQUIRED RADIOLOGICAL SURVEYS ACCORDINGLY AS STATED IN CURRENT TASK DESCRIPTIONS, MAINTAINING A 95% COMPLETION RATE FOR SCHEDULE RADIOLOGICAL SURVEYS. □ □ EFFECTIVE MONITORING, SURVEYS, AND RADIATION-INSTRUMENT OPERABILITY ASSURANCE WILL BE DEMONSTRATED BY ABSENCE OF ANY REPORTABLE, AVOIDABLE EXPOSURES OF PERSONNEL OR CONTAMINATION SPREADS. □ □

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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Milestone Control No T2A-95-184
WBS Number: 1.01.01.02.01.04.0003

Revision/CIN:
Due Date: 9/29/95
ADS No: 1100
Schedule ID: N1G730N10

Title: Complete 200 West Area Industrial Hygiene
and Safety Review/Approval of 120 WCDs
and 400 PDs and Issue Quarterly Report

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

THE WEST AREA INDUSTRIAL HEALTH AND SAFETY ORGANIZATION WILL PROVIDE INDUSTRIAL SAFETY, INDUSTRIAL HYGIENE, AND FIRE PROTECTION FIELD SUPPORT TO 200 WEST AREA TANK FARMS. THEY WILL PROVIDE REVIEW AND APPROVAL OF APPROXIMATELY 120 WORK CONTROL DOCUMENTS (WCDS) AND 400 PLANT DOCUMENTS (PDS) AND ISSUE QUARTERLY SUMMARY REPORTS.

Description of what Constitutes Completion of the Commitment:

200 WEST AREA INDUSTRIAL HYGIENE AND SAFETY TO PROVIDE REVIEW AND APPROVAL OF APPROXIMATELY 120 WORK CONTROL DOCUMENTS (WCDS) AND 400 PLANT DOCUMENTS (PDS) AND ISSUE QUARTERLY SUMMARY REPORT. □ □ MONTHLY PERFORMANCE INDICATOR REPORTS AVAILABLE TO DOE-RL STAFF, WHICH DEMONSTRATED ACHIEVEMENT OF ON-DEMAND (SCHEDULED) SUPPORT TO FIELD OPERATIONS.

Acceptance Criteria:

APPROVED DOCUMENTS WILL COMPLY WITH APPLICABLE REGULATORY REQUIREMENTS RELATING TO INDUSTRIAL HEALTH AND SAFETY. □ □ FIELD ACTIVITIES WILL NOT BE DELAYED DUE TO FAILURE OF THE INDUSTRIAL HEALTH AND SAFETY ORGANIZATION TO PROVIDE QUALIFIED SUPPORT ON SCHEDULES THAT ARE DEFINED IN ADVANCE. □ □ EFFECTIVE IS&H SUPPORT WILL BE DEMONSTRATED BY ABSENCE OF REPORTABLE AVOIDABLE PERSONNEL EXPOSURES TO NOXIOUS VAPORS, OR REPORTABLE ACCIDENTS ASSOCIATED WITH INADEQUATE INDUSTRIAL/OCCUPATIONAL SAFETY CONDITIONS.

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Tank Waste Remediation System
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REV. 1

Milestone Control No T2A-95-184
WBS Number: 1.01.01.02.01.04.0003

Revision/CIN:
Due Date: 9/29/95
ADS No: 1100

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T2A-96-100

Revision/CIN: 1 M-41-94-02

WBS Number: 1.01.01.02.01.04.~~0009~~
0008

Due Date: 4/30/97

ADS No: 1100

Title: COMPLETE INTERIM STABILIZATION
OF 7 NON-WATCH LIST TANKS IN 241-S
FARM

Schedule ID: N1E510D185

Scheduler:

Milestone Level:

☒ TPA M-41-08-T01
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Response to
TPA Milestone

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Tanks 241-S-101, 241-S-103, 241-S-106, 241-S-107, 241-S-108, 241-S-109, and 241-S-110 are declared interim stabilized as defined in the Tri-Party Agreement

Description of what Constitutes Completion of the Commitment:

Notify RL that Tanks 241-S-101, 241-S-103, 241-S-106, 241-S-107, 241-S-108, 241-S-109, and 241-S-110 are interim stabilized.

Acceptance Criteria:

INTERIM STABILIZATION OCCURS WHEN THE PUMPING RATE DROPS TO 0.05 GALLONS PER MINUTE (GPM) AND THE REMAINING LIQUID DOES NOT CONTAIN GREATER THAN 50,000 GALLONS OF INTERSTITIAL LIQUID OR 5,000 GALLONS OF SUPERNATANT. DEFINITION IS PROVIDED IN THE TPA. AFTER COMPLETION OF THE MILESTONE, COMMENCE AND COMPLETE INTERIM STABILIZATION EVALUATION AS DESCRIBED IN WESTINGHOUSE HANFORD COMPANY (WHC) PROCEDURES, AND DECLARE TANK INTERIM STABILIZED IN ACCORDANCE WITH THIS PROCEDURE. INFORM RL VIA LETTER FROM MANAGER, TANK FARMS, THAT TANKS HAVE BEEN INTERIM STABILIZED. COMPLETION DATE IS PREDICATED ON PREVIOUS ESTIMATES OF TANK LIQUID CONTENTS. IN SOME CASES, THESE ESTIMATES HAVE BEEN LOW. THE MILESTONE WILL NOT BE CONSIDERED MISSED IF TANK IS STILL BEING PUMPED ON 4/30/97 AND THE AMOUNT OF LIQUID REMOVED IS GREATER THAN ESTIMATED AND THE PUMPING EFFICIENCY IS 60 PERCENT OR GREATER. IN THIS EVENT, A NEW COMPLETION DATE WILL BE DETERMINED AND AGREED TO BY DOE-RL AND REGULATORS.

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Tank Waste Remediation System
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Milestone Control No T2A-96-100
WBS Number: 1.01.01.02.01.04.0009

Revision/CIN: 1 M-41-94-02
Due Date: 4/30/97
ADS No: 1100

REV. 1

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T2A-96-101
WBS Number: 1.01.01.02.01.04.0009

Revision/CIN: 0
Due Date: 1/31/96
ADS No: 1100
Schedule ID: N1E510D034

Title: START INTERIM STABILIZATION OF 7
NON-WATCH LIST TANK IN 241-S
TANK FARM (M-41-09)

Scheduler:

Milestone Level:

☒ TPA M-41-09
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Response to
TPA Milestone

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE ALL PHYSICAL ACTIVITIES AND COMPREHENSIVE REVIEWS REQUIRED TO START PUMPS OF 7 NON-WATCH LIST TANKS 241-S-101, 241-S-103, 241-S-106, 241-S-107, 241-S-108, 241-S-109, AND 241-S-110. PROVIDE INTERIM STABILIZATION ENGINEERING, OPERATIONS, AND MAINTENANCE SUPPORT TO RESOLVE ISSUES AND START PUMPING FOR TANKS 241-S-101, 241-S-103, 241-S-106, 241-S-107, 241-S-108, 241-S-109, AND 241-S-110. NOTIFY RL WHEN COMPLETED.

Description of what Constitutes Completion of the Commitment:

NOTIFY RL THAT PUMPING HAS BEEN INITIATED FOR TANKS 241-S-101, 241-S-103, 241-S-106, 241-S-107, 241-S-108, 241-S-109, 241-S-110.

Acceptance Criteria:

PUMPING OF ONE GALLON OF LIQUID FROM EACH NON-WATCH LIST TANK 241-S-101, 241-S-103, 241-S-106, 241-S-107, 241-S-108, 241-S-109, AND 241-S-110 WILL CONSTITUTE THE START OF PUMPING AND MILESTONE COMPLETION.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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Milestone Control No. T2A-96-103

Revision/CIN: 1 M-41-94-02

REV. 1

WBS Number: 0.01.01.02.01.04.0009
.0008

Due Date: 8/31/96

ADS No: 1100

Title: START INTERIM STABILIZATION OF 4
FLAMMABLE GAS WATCH LIST TANKS
IN 241-U TANK FARMS

Schedule ID: N1E510B084

Scheduler:

Milestone Level:

☒ TPA M-41-11
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Resource-loaded
Schedule

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Provide for partial completion of preparations to interim stabilize 7 Non-Watch list SSTs 241-S-101, 241-S-103, 241-S-106, 241-S-107, 241-S-108, 241-S-109, and 241-S-110 in 241S Tank Farm, according to schedule provided and sufficient to support the associated Tri-Party Agreement Milestone M-41-09. Activities include: Completion of design for the two overground transfer lined by 5/31/95. Delivery and completion of Operational Test Procedures (OTPs) on the prototype pump instrument control skid by 5/31/95. Complete fabrication of required saltwell screens by 8/31/95.

Description of what Constitutes Completion of the Commitment:

Notify RL that the activities are complete and that WHC is scheduled to meet the TPA Milestone M-41-09

Acceptance Criteria:

The activities specified above are completed as required by submittal revised schedule.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Date Milestone Was Completed

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Milestone Control No T2A-96-122
WBS Number: 1.01.01.02.01.04.0010

Revision/CIN:
Due Date: 9/30/96
ADS No: 1100

Title: Complete Partial Interim Stabilization
Preparations for 5 Flammable Gas Watch
List Tanks in 241-S/SX Tank Farms

Schedule ID: 7A010B

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

PREPARE AND ISSUE APPROVED RESOURCE-LOADED SCHEDULE FOR ALL REPAIRS NEEDED TO 7 FLAMMABLE GAS WATCH LIST SINGLE-SHELL TANKS (SSTS) 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104, AND 241-SX-105 IN 241-S/SX TANK FARMS, SO THAT ALL REPAIRS NEEDED TO COMMENCE INTERIM STABILIZATION ARE COMPLETED BY 6/30/97. PROVIDE THIS SCHEDULE TO RL BY 6/30/96. PROVIDE MILESTONE ON SCHEDULE FOR PARTIAL COMPLETION OF INTERIM STABILIZATION PREPARATIONS IN FISCAL YEAR 1996 BY 9/30/96. PROVIDE FOR PARTIAL COMPLETION OF PREPARATIONS TO INTERIM STABILIZE 7 FLAMMABLE GAS WATCH LIST SSTS 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104, AND 241-SX-105 IN 241-S/SX TANK FARMS, ACCORDING TO SCHEDULE PROVIDED. COMMENCE PREPARATIONS FOR INTERIM STABILIZATION NECESSARY TO SUPPORT PUMPING 7 FLAMMABLE GAS WATCH LIST SSTS 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104, AND 241-SX-105 IN 241-S/SX TANK FARMS, SUFFICIENT TO SUPPORT THE ASSOCIATED TRI-PARTY AGREEMENT MILESTONE M-41-14 ACCORDING TO THE SCHEDULE DESCRIBED ABOVE.

Description of what Constitutes Completion of the Commitment:

PROVIDE COPY OF RESOURCE-LOADED SCHEDULE TO RL BY 6/30/96. COMPLETE PARTIAL FIELD PREPARATIONS FOR INTERIM STABILIZATION OF 7 FLAMMABLE GAS WATCH LIST SSTS 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104 AND 241-SX-105 IN 241-S/SX TANK FARMS THROUGH FISCAL YEAR 1996, ACCORDING TO SCHEDULE.

Acceptance Criteria:

PREPARATIONS TO INTERIM STABILIZE TANKS 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104, AND 241-SX-105 ARE COMPLETED AS REQUIRED BY SUBMITTED SCHEDULE.

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Milestone Control No T2A-96-122
WBS Number: 1.01.01.02.01.04.0010

Revision/CIN:
Due Date: 9/30/96
ADS No: 1100

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T2A-96-124
WBS Number: 1.01.01.02.01.04.0009

Revision/CIN:
Due Date: 9/30/96
ADS No: 1100
Schedule ID: 79010B

Title: Complete Partial Interim Stabilization
Preparations for 2 Organic Watch List Tanks
in 241-S/SX Tank Farms

Scheduler:

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

PREPARE AND ISSUE APPROVED RESOURCE-LOADED SCHEDULE FOR ALL REPAIRS NEEDED TO 2 ORGANIC WATCH LIST SINGLE-SHELL TANKS (SSTS) 241-S-102 AND 241-SX-106 IN 241-S/SX TANK FARMS, SO THAT ALL REPAIRS NEEDED TO COMMENCE INTERIM STABILIZATION ARE COMPLETED BY 6/30/97. PROVIDE THIS SCHEDULE TO RL BY 6/30/96. PROVIDE MILESTONE ON SCHEDULE FOR PARTIAL COMPLETION OF INTERIM STABILIZATION PREPARATIONS IN FISCAL YEAR 1996 BY 9/30/96. □□ PROVIDE FOR PARTIAL COMPLETION OF PREPARATIONS TO INTERIM STABILIZE 2 ORGANIC WATCH LIST SSTS 241-S-102 AND 241-SX-106 IN 241-S/SX TANK FARMS, ACCORDING TO SCHEDULE PROVIDED. □□ COMMENCE PREPARATIONS FOR INTERIM STABILIZATION NECESSARY TO SUPPORT PUMPING 2 ORGANIC WATCH LIST SSTS 241-S-102 AND 241-SX-106 IN 241-S/SX TANK FARMS, SUFFICIENT TO SUPPORT THE ASSOCIATED TRI-PARTY AGREEMENT MILESTONE M-41-15 ACCORDING TO THE SCHEDULE DESCRIBED ABOVE.

Description of what Constitutes Completion of the Commitment:

PROVIDE COPY OF RESOURCE-LOADED SCHEDULE TO RL BY 6/30/96. COMPLETE PARTIAL FIELD PREPARATIONS FOR INTERIM STABILIZATION OF 2 ORGANIC WATCH LIST SSTS 241-S-102, AND 241-SX-106 IN 241-S/SX TANK FARMS THROUGH FISCAL YEAR 1996, ACCORDING TO SCHEDULE.

Acceptance Criteria:

PREPARATIONS TO INTERIM STABILIZE TANKS 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104, AND 241-SX-105 ARE COMPLETED AS REQUIRED BY SUBMITTED SCHEDULE.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T2A-96-125
WBS Number: 1.01.01.02.01.04.0003

Revision/CIN:
Due Date: 1/31/96
ADS No:

Title: DELIVERY OF THE MOBILE HIGH-
LEVEL LIQUID WASTE TRANSPORT
CASK (M-41-03B)

Schedule ID: N1G7306

Scheduler:

Milestone Level:

☒ TPA M-41-03B
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

PROVIDE TO RL A SHIPPING CASK FOR TRANSPORTING HIGH-LEVEL LIQUID WASTE. THE SHIPPING CASK WILL MEET ALL APPLICABLE REGULATORY REQUIREMENTS AND INCLUDE A CERTIFICATION THAT THESE HAVE ALL BEEN MET. PROVIDE ALL DOCUMENTATION AND SAFETY ANALYSES TO ALLOW USE OF THE CASK THROUGHOUT THE HANFORD SITE AS NEEDED TO TRANSPORT AND OFF-LOAD LIQUIDS FROM SINGLE SHELL TANKS. □ □ THIS MILESTONE IS PREDICATED ON THE PERFORMANCE OF THE VENDOR FOR THE PROCUREMENT OF A HIGH-LEVEL LIQUID WASTE SHIPPING CASK. IF THE CONTRACT DELIVERY DATE CHANGES, A NEW COMPLETION DATE WILL BE DETERMINED AND AGREED TO BY DOE-RL AND THE REGULATORS.

Description of what Constitutes Completion of the Commitment:

A LETTER STATING COMPLETION OF THIS MILESTONE WILL BE SENT TO DOE-RL ON OR BEFORE JANUARY 31, 1996.

Acceptance Criteria:

PROVIDE TO DOE-RL A HIGH-LEVEL LIQUID WASTE SHIPPING CASK, AND ALL SAFETY ANALYSES AND OTHER DOCUMENTATION FOR ITS USE, INCLUDING CERTIFICATION THAT THE CASK MEETS ALL APPLICABLE REGULATORY REQUIREMENTS.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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Milestone Control No T2A-97-101
WBS Number: 1.01.01.02.01.04.0008

Revision/CIN: 1 M-41-94-02
Due Date: 9/30/97
ADS No: 1100

Title: COMPLETE INTERIM STABILIZATION
OF 4 FLAMMABLE GAS WATCH LIST
TANKS IN 241-U TANK FARMS (M-41-11-
T01)

Schedule ID: N1E510B086

Scheduler:

Milestone Level:

☒ TPA M-41-11-T01
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Response to
TPA Milestone

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

TANKS 241-U-103, 241-U-105, 241U-108, AND 241-U-109 ARE DECLARED INTERIM STABILIZED AS DEFINED IN THE TRI-PARTY AGREEMENT (TPA).

Description of what Constitutes Completion of the Commitment:

NOTIFY RL THAT TANKS 241-U-103, 241-U-105, 241-U-108, AND 241-U-109 ARE INTERIM STABILIZED.

Acceptance Criteria:

INTERIM STABILIZATION OCCURS WHEN THE PUMPING RATE DROPS TO 0.05 GALLONS PER MINUTE (GPM) AND THE REMAINING LIQUID DOES NOT CONTAIN GREATER THAN 50,000 GALLONS OF INTERSTITIAL LIQUID OR 5,000 GALLONS OF SUPERNATANT. DEFINITION IS PROVIDED IN THE TPA. AFTER COMPLETION OF THE MILESTONE, COMMENCE AND COMPLETE INTERIM STABILIZATION EVALUATION AS DESCRIBED IN WESTINGHOUSE HANFORD COMPANY (WHC) PROCEDURES, AND DECLARE TANK INTERIM STABILIZED IN ACCORDANCE WITH THIS PROCEDURE. INFORM RL VIA LETTER FROM MANAGER, TANK FARMS, THAT TANKS HAVE BEEN INTERIM STABILIZED. COMPLETION DATE IS PREDICATED ON PREVIOUS ESTIMATES OF TANK LIQUID CONTENTS. IN SOME CASES, THESE ESTIMATES HAVE BEEN LOW. THE MILESTONE WILL NOT BE CONSIDERED MISSED IF ANY TANKS ARE STILL BEING PUMPED ON 9/30/97 AND THE AMOUNT OF LIQUID REMOVED IS GREATER THAN ESTIMATED AND THE PUMPING EFFICIENCY IS 60 PERCENT GREATER. IN THIS EVENT, A NEW COMPLETION DATE WILL BE DETERMINED AND AGREED TO BY RL AND REGULATORS.

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REV. 1

Milestone Control No T2A-97-101
WBS Number: 1.01.01.02.01.04.0008

Revision/CIN: 1 M-41-94-02
Due Date: 9/30/97
ADS No: 1100

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T2A-97-103
WBS Number: 1.01.01.02.01.04.0009

Revision/CIN: 0
Due Date: 6/30/97
ADS No: 1100

Title: START INTERIM STABILIZATION OF 7
FLAMMABLE GAS WATCH LIST TANKS
IN 241-S/SX TANK FARM (M-41-14)

Schedule ID: 79010C

Scheduler:

Milestone Level:

☒ TPA M-41-14
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE ALL PHYSICAL ACTIVITIES AND COMPREHENSIVE REVIEWS REQUIRED TO START PUMPS OF 7 FLAMMABLE GAS WATCH LIST TANKS 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104, AND 241-SX-105. NOTIFY RL WHEN COMPLETE.

Description of what Constitutes Completion of the Commitment:

NOTIFY RL THAT PUMPING HAS BEEN INITIATED FOR TANKS 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104, AND 241-SX-105.

Acceptance Criteria:

PUMPING OF ONE GALLON OF LIQUID FROM EACH FLAMMABLE GAS WATCH LIST TANK 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104, AND 241-SX-105 WILL CONSTITUTE THE START OF PUMPING AND MILESTONE COMPLETION.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T2A-97-104
WBS Number: 1.01.01.02.01.04.0009

Revision/CIN: 0
Due Date: 6/30/97
ADS No: 1100

Title: START INTERIM STABILIZATION OF 2
ORGANIC WATCH LIST TANKS IN 241-
S/SX TANK FARMS (M-41-15)

Schedule ID: 79010C

Scheduler:

Milestone Level:

☒ TPA M-41-15
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE ALL PHYSICAL ACTIVITIES AND COMPREHENSIVE REVIEWS REQUIRED TO START PUMPS OF 2 ORGANIC WATCH LIST TANKS 241-S-102 AND 241-SX-106. PROVIDE INTERIM STABILIZATION ENGINEERING, OPERATIONS, AND MAINTENANCE SUPPORT TO RESOLVE ISSUES AND START PUMPING FOR TANKS 241-S-102 AND 241-SX-106. NOTIFY RL WHEN COMPLETED.

Description of what Constitutes Completion of the Commitment:

NOTIFY RL THAT PUMPING HAS BEEN INITIATED FOR TANKS 241-S-102 AND 241-SX-106.

Acceptance Criteria:

PUMPING OF ONE GALLON OF LIQUID FROM EACH ORGANIC WATCH LIST TANK 241-S-102 AND 241-SX-106 WILL CONSTITUTE THE START OF PUMPING AND MILESTONE COMPLETION.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T2A-97-105
WBS Number: 1.01.01.02.01.04.0008

Revision/CIN: 1 M-41-94-02 REV. 1

Due Date: 1/31/98

ADS No: 1100

Title: COMPLETE INTERIM STABILIZATION
OF 3 ORGANIC WATCH LIST TANKS IN
241-U TANK FARM (M-41-13-T01)

Schedule ID: N1E510B041

Scheduler:

Milestone Level:

☒ TPA M-41-13-T01
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Response to
TPA Milestone

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

TANKS 241-U-106, 241-U-107, AND 241-U-111 ARE DECLARED INTERIM STABILIZED AS DEFINED IN THE TRI-PARTY AGREEMENT (TPA).

Description of what Constitutes Completion of the Commitment:

NOTIFY RL THAT TANKS 241-U-106, 241-U-107, AND 241-U-111 ARE INTERIM STABILIZED.

Acceptance Criteria:

INTERIM STABILIZATION OCCURS WHEN THE PUMPING RATE DROPS TO 0.05 GALLONS PER MINUTE (GPM) AND THE REMAINING LIQUID DOES NOT CONTAIN GREATER THAN 50,000 GALLONS OF INTERSTITIAL LIQUID OR 5,000 GALLONS OF SUPERNATANT. DEFINITION IS PROVIDED IN THE TPA. AFTER COMPLETION OF THE MILESTONE, COMMENCE AND COMPLETE INTERIM STABILIZATION EVALUATION AS DESCRIBED IN WESTINGHOUSE HANFORD COMPANY (WHC) PROCEDURES, AND DECLARE TANK INTERIM STABILIZED IN ACCORDANCE WITH THIS PROCEDURE. INFORM RL VIA LETTER FROM MANAGER, TANK FAMRS, THAT TANKS HAVE BEEN INTERIM STABILIZED. COMPLETION DATE IS PREDICATED ON PREVIOUS ESTIMATES OF TANK LIQUID CONTENTS. IN SOME CASES, THESE ESTIMATES HAVE BEEN LOW. THE MILESTONE WILL NOT BE CONSIDERED MISSED IF ANY TANKS ARE STILL BEING PUMPED ON 1/31/98 AND THE AMOUNT OF LIQUID REMOVED IS GREATER THAN ESTIMATED AND THE PUMPING EFFICIENCY IS 60 PERCENT OR GREATER. IN THE EVENT, A NEW COMPLETION DATE WILL BE DETERMINED AND AGREED TO BY RL AND REGULATORS.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T2A-98-101
WBS Number: 1.01.01.02.01.04.0005

Revision/CIN: 0
Due Date: 3/30/98
ADS No: 1100

Title: START INTERIM STABILIZATION OF 1
NON-WATCH LIST TANK IN 241-T
TANK FARM (M-41-16)

Schedule ID:

Scheduler:

Milestone Level:

☒ TPA M-41-16
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE ALL PHYSICAL ACTIVITIES AND COMPREHENSIVE REVIEWS REQUIRED TO START, AND THEN COMMENCE INTERIM STABILIZATION PUMPING INTO 244-TX DOUBLE-CONTAINED RECEIVER TANK FOR 241-T-104. PROVIDE INTERIM STABILIZATION ENGINEERING, OPERATIONS, AND MAINTENANCE SUPPORT TO RESOLVE ISSUES FOR PUMPING.

Description of what Constitutes Completion of the Commitment:

A LETTER WILL BE SENT TO DOE-RL WITHIN FIVE WORKING DAYS OF MILESTONE COMPLETION, STATING THAT INTERIM STABILIZATION OF ONE NON-WATCH LIST TANK IN 241-T TANK FARM WAS STARTED ON OR BEFORE MARCH 30, 1998.

Acceptance Criteria:

PUMP ONE GALLON OF LIQUID FROM NON-WATCH LIST TANK IN 241-T TANK FARM WILL CONSTITUTE THE START OF PUMPING AND MILESTONE COMPLETION.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T2A-98-102
WBS Number: 1.01.01.02.01.04.0005

Revision/CIN: 0
Due Date: 8/31/98
ADS No: 1100

Title: COMPLETE INTERIM STABILIZATION
OF 2 NON-WATCH LIST TANKS IN 241-T
TANK FARM (M-41-16-T01)

Schedule ID: N1E510N025

Scheduler:

Milestone Level:

☒ TPA M-41-16-T01
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Tank 241-T-104 is declared interim stabilized as defined in the Tri-Party Agreement.

Description of what Constitutes Completion of the Commitment:

Interim stabilization occurs when the pumping rate drops to 0.05 gallons per minute (gpm) and the remaining liquid does not contain greater than 50,000 gallons of intersititual liquid or 5,000 gallons of supernatant. Definition is provided in the Tri-Party Agreement. After completion of the milestone, commence, and complete interim stabilization evaluation as decribed in WHCs procedures, and declare tank interim stabilized in accordance with this procedure. Inform RL via letter from Manager, Tank Farms, that tank has been interim stabilized. Completion date is predicated on previous estimates of tank liquid contents. In some cases, these estimates have been low. The milestone will not be considered missed if tank is still being pumped on August 31, 1998, and the amount of liquid removed is greater than estimated and the pumping efficiency is 50 percent or greater. In this event, a new completion date will be determined and agreed to by RL and regulators.

Acceptance Criteria:

Notify RL that Tank 241-T-104 is interim stabilized.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T2A-98-103
WBS Number: 1.01.01.02.01.04.0005

Revision/CIN: 0

Due Date: ~~4/30/98~~ 4/02/98

ADS No: 1100

Title: START INTERIM STABILIZATION OF 1
FERROCYANIDE WATCH LIST TANK IN
241-T TANK FARM (M-41-17)

Schedule ID: N1E510N030

Scheduler:

Milestone Level:

☒ TPA M-41-17
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE ALL PHYSICAL ACTIVITIES AND COMPREHENSIVE REVIEWS REQUIRED TO START, AND THEN COMMENCE INTERIM STABILIZATION PUMPING INTO 244-TX DOUBLE-CONTAINED RECEIVER TANK FOR TANK 241-T-107. PROVIDE INTERIM STABILIZATION ENGINEERING, OPERATIONS, AND MAINTENANCE SUPPORT TO RESOLVE ISSUES FOR PUMPING.

Description of what Constitutes Completion of the Commitment:

A LETTER WILL BE SENT TO DOE-RL WITHIN FIVE WORKING DAYS OF MILESTONE COMPLETION, STATING THAT INTERIM STABILIZATION OF ONE FERROCYANIDE WATCH LIST TANK IN 241-T TANK FARM WAS STARTED ON OR BEFORE APRIL 30, 1998.

Acceptance Criteria:

PUMP ONE GALLON OF LIQUID FROM FERROCYANIDE WATCH LIST TANK IN 241-T TANK FARM WILL CONSTITUTE THE START OF PUMPING AND MILESTONE COMPLETION.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T2A-98-104
WBS Number: 1.01.01.02.01.04.0005

Revision/CIN: 0

Due Date: ~~5/31/98~~ 5/4/98

ADS No: 1100

Title: COMPLETE INTERIM STABILIZATION
OF 1 FERROCYANIDE WATCH LIST
TANKS IN 241-T TANK FARM (M-41-17-
T01)

Schedule ID: N1E510N050

Scheduler:

Milestone Level:

☒ TPA M-41-17-T01
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Tank 241-T-107 is declared interim stabilized as defined in the Tri-Party Agreement.

Description of what Constitutes Completion of the Commitment:

Interim stabilization occurs when the pumping rate drops to 0.05 gallons per minute (gpm) and the remaining liquid does not contain greater than 50,000 gallons of interstitial liquid or 5,000 gallons of supernatant. Definition is provided in the Tri-Party Agreement. After completion of the milestone, commence, and complete interim stabilization evaluation as described in WHCs procedures, and declare tank interim stabilized in accordance with this procedure. Inform RL via letter from Manager, Tank Farms, that tank has been interim stabilized. Completion date is predicated on previous estimates of tank liquid contents. In some cases, these estimates have been low. The milestone will not be considered missed if tank is still being pumped on May 31, 1998, and the amount of liquid removed is greater than estimated and the pumping efficiency is 50 percent or greater. In this event, a new completion date will be determined and agreed to by RL and regulators.

Acceptance Criteria:

Notify RL that Tank 241-T-107 is interim stabilized.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T2A-98-105

Revision/CIN: 0

WBS Number 1.01.01.02.01,4.5

Due Date: ~~4/30/98~~ 4/2/98

ADS No: 1100

Title: START INTERIM STABILIZATION OF 1
FLAMMABLE WATCH LIST TANK IN
241-T TANK FARM (M-41-18)

Schedule ID: N1E510N035

Scheduler:

Milestone Level:

☒ TPA M-41-18
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE ALL PHYSICAL ACTIVITIES AND COMPREHENSIVE REVIEWS REQUIRED TO START, AND THEN COMMENCE INTERIM STABILIZATION PUMPING INTO 244-TX DOUBLE-CONTAINED RECEIVER TANK FOR TANK 241-T-110. PROVIDE INTERIM STABILIZATION ENGINEERING, OPERATIONS, AND MAINTENANCE SUPPORT TO RESOLVE ISSUES FOR PUMPING.

Description of what Constitutes Completion of the Commitment:

A LETTER WILL BE SENT TO DOE-RL WITHIN FIVE WORKING DAYS OF MILESTONE COMPLETION, STATING THAT INTERIM STABILIZATION OF ONE FLAMMABLE GAS WATCH LIST TANK IN 242-T TANK FARM WAS STARTED ON OR BEFORE APRIL 30, 1998.

Acceptance Criteria:

PUMP ONE GALLON OF LIQUID FROM FLAMMABLE GAS WATCH LIST TANK IN 241-T-TANK FARM WILL CONSTITUTE THE START OF PUMPING AND MILESTONE COMPLETION.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T2A-98-106
WBS Number: 1.01.01.02.01.04.0005

Revision/CIN: 0
Due Date: ~~27/31/98~~ 7/27/98
ADS No: 1100

Title: COMPLETE INTERIM STABILIZATION
OF 1 FLAMMABLE WATCH LIST TANKS
IN 241-T TANK FARM

Schedule ID: N1E510N055

Scheduler:

Milestone Level:

☒ TPA M-41-18-T01
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Tank 241-T-110 is declared interim stabilized as defined in the Tri-Party Agreement.

Description of what Constitutes Completion of the Commitment:

Interim stabilization occurs when the pumping rate drops to 0.05 gallons per minute (gpm) and the remaining liquid does not contain greater than 50,000 gallons of interstitial liquid or 5,000 gallons of supernatant. Definition is provided in the Tri-Party Agreement. After completion of the milestone, commence, and complete interim stabilization evaluation as described in WHCs procedures, and declare tank interim stabilized in accordance with this procedure. Inform RL via letter from Manager, Tank Farms, that tank has been interim stabilized. Completion date is predicated on previous estimates of tank liquid contents. In some cases, these estimates have been low. The milestone will not be considered missed if tank is still being pumped on July 31, 1998, and the amount of liquid removed is greater than estimated and the pumping efficiency is 60 percent or greater. In this event, a new completion date will be determined and agreed to by RL and regulators.

Acceptance Criteria:

Notify RL that Tank 241-T-110 is interim stabilized.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T2A-99-101
WBS Number: 1.01.01.02.01.04.0009

Revision/CIN: 0
Due Date: 11/30/99
ADS No: 1100
Schedule ID: 79010D

Title: COMPLETE INTERIM STABILIZATION
OF 7 FLAMMABLE GAS WATCH LIST
TANKS IN 241-S/SX TANK FARM (M-41-
14-T01)

Scheduler:

Milestone Level:

☒ TPA M-41-14-T01
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Tanks 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104, and 241-SX-105 are declared interim stabilized as defined in the Tri-Party Agreement.

Description of what Constitutes Completion of the Commitment:

Interim stabilization occurs when the pumping rate drops to 0.05 gallons per minute (gpm) and the remaining liquid does not contain greater than 50,000 gallons of interstitial liquid or 5,000 gallons of supernatant. Definition is provided in the Tri-Party Agreement. After completion of the milestone, commence, and complete interim stabilization evaluation as described in WHCs procedures, and declare tanks interim stabilized in accordance with this procedure. Inform RL via letter from Manager, Tank Farms, that tanks have been interim stabilized. Completion date is predicated on previous estimates of tank liquid contents. In some cases, these estimates have been low. The milestone will not be considered missed if a tank is still being pumped on November 30, 1999, and the amount of liquid removed is greater than estimated and the pumping efficiency is 60 percent or greater. In this event, a new completion date will be determined and agreed to by RL and regulators.

Acceptance Criteria:

Notify RL that Tanks 241-S-111, 241-S-112, 241-SX-101, 241-SX-102, 241-SX-103, 241-SX-104, and 241-SX-105 are interim stabilized.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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Milestone Control No T2A-05-100
WBS Number: 1.01.01.02.01.02.0005

Revision/CIN: 0
Due Date: ~~9/30/2005~~ 10/28/05
ADS No: 1100

Title: DOUBLE-SHELL TANK SPACE
EVALUATION

Schedule ID:

Scheduler:

Milestone Level:

☒ TPA M-46-00L
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Description of what Constitutes Completion of the Commitment:

Acceptance Criteria:

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed _____

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1

Milestone Control No T2C-95-109
WBS Number: 1.01.01.02.01.04.0016

Revision/CIN: 0
Due Date: 8/31/95
ADS No: 1120
Schedule ID: N3H26PCM

Title: COMPLETE DEFINITIVE DESIGN FOR
W-058 (M-43-07-T01)

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-07-T01
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

THIS MILESTONE INDICATES COMPLETION OF DEFINITIVE DESIGN. THE PROJECT WILL PROVIDE APPROVED TITLE II DESIGN MEDIA THAT WILL DOCUMENT THE COMPLETION OF DEFINITIVE DESIGN. THE NOTICE OF COMPLETION OF DEFINITIVE DESIGN TO DOE-RL BY LETTER WILL CONSTITUTE COMPLETION OF THIS MILESTONE.

Description of what Constitutes Completion of the Commitment:

LETTER TO DOE-RL INDICATING COMPLETION OF DEFINITIVE DESIGN AND TO WHC ENVIRONMENTAL FOR TPA NOTIFICATION.

Acceptance Criteria:

ALL DESIGN MEDIA APPROVED BY A/E AND WHC.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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REV. 1

Milestone Control No T2C-96-110
WBS Number 1.01.01.02.01.04.0016

Revision/CIN: 0
Due Date: 11/29/95
ADS No: 1100-0

Title: START CONSTRUCTION OF PROJECT W-058 (REPLACEMENT OF CROSS-SITE TRANSFER SYSTEM, M-43-07A)

Schedule ID: N3H26PGM

Scheduler:

Milestone Level:	Deliverables	Addressed To:
☒ TPA M-43-07A	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☒ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☐ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

Start construction of Project W-058, "Replacement of Cross-Site Transfer System," (M-43-07A). Project W-058, will provide encased pipelines to connect the 241-SY Tank Farm in 200 West Area, with the 200 East Area tank farms by way of its interface with the 244-A Lift Station. The system will replace parts of the existing cross-site transfer system which are nearing the end of their useful life and portions which are not in compliance with codes and regulations. The achievement of the Start of Construction Milestone is dependent upon the comment and review cycles of RL as well as tasks performed by other contractors. Authorization to proceed with the contract award must be received or obtained by August 15, 1996, which may be prior to the issuance of the ROD and a Tier 3 review of the PSAR. It is also assumed that project definitive design is not altered by Systems Engineering. The award schedule date shall be modified on a day-for-day basis for slippage caused by circumstances outside of WHC control. This supports completion of the TWRS PBI 96-132.

Description of what Constitutes Completion of the Commitment:

A letter to RL, documenting the start of construction of Project W-058.

Acceptance Criteria:

The status of "Start of Construction" must be achieved as defined and previously agreed upon by the Washington State Department of Ecology as the award of a fixed-price contract for either of the "Piping, (C-1)" or the "Diversion Box, (C-3)" package, or the initiation of physical construction on the "Construction Forces, (C-2)" package. A letter will be issued to RL documenting WHC's completion of this task. In the letter, WHC will request the RL sign off/date an attached copy of this MDS to document RL's acceptance of completion of the task and closure of the milestone and return the signed MDS to the Transition West Tank Farms Project Manager.

**Westinghouse Hanford Company
Tank Waste Remediation System**

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Milestone Control No T2C-96-110
WBS Number 1.01.01.02.01.04.0016

Revision/CIN: 0
Due Date: 11/29/95
ADS No: 1100-0

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1

Milestone Control No T2C-97-108
WBS Number: 1.01.01.02.01.04.0016

Revision/CIN: 0
Due Date: 8/31/97
ADS No: 1120
Schedule ID: N1G7HGM
Scheduler: Cahill

Title: COMPLETE CONSTRUCTION FOR W-058 (M-43-07B)

Milestone Level:

☒ TPA M-43-07B
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE CONSTRUCTION OF W-058, CROSS-SITE TRANSFER SYSTEM. PROJECT W-058 WILL PROVIDE ENCASED PIPELINES TO CONNECT THE SY TANK FARM IN THE 200 WEST AREA WITH THE 200 EAST AREA TANK FARMS BY WAY OF ITS INTERFACE WITH THE 244-A LIFT STATION. THE SYSTEM WILL REPLACE PARTS OF THE EXISTING CROSS SITE TRANSFER SYSTEM WHICH ARE NEARING THE END OF THEIR USEFUL LIFE AND PORTIONS WHICH ARE NOT IN COMPLIANCE WITH CURRENT CODES AND REGULATIONS.

Description of what Constitutes Completion of the Commitment:

A LETTER WILL BE ISSUED TO DOE-RL AND WHC ENVIRONMENTAL (FOR TPA NOTIFICATION) INDICATING COMPLETION OF THIS MILESTONE.

Acceptance Criteria:

SUCCESSFUL COMPLETION OF ACCEPTANCE TEST PROCEDURES (ATPS).

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T2C-98-103
WBS Number: 1.01.01.02.01.04.0016

Revision/CIN: 0
Due Date: 2/28/98
ADS No: 1120

WHC-SP-1101
REV. 1

Title: COMPLETE PROJECT W-058
REPLACEMENT OF CROSS-SITE
TRANSFER SYSTEM (M-43-07)

Schedule ID: SP0311TZ

Scheduler: Cahill

Milestone Level:

☒ TPA M-43-07
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WA DEPT. OF
ECOLOGY

Description of this Commitment:

Project W-058 will provide encased pipelines to connect the SY Tank Farm in the 200 West Area to the 200 East Area Tank Farms by way of its interface with the 244-A Lift Station. The system will replace parts of the existing cross-site transfer system which are nearing the end of their useful life and portions which are not in compliance with current codes and regulations.

Description of what Constitutes Completion of the Commitment:

Complete Definitive Design M-43-07-T01. Start Construction M-43-07A. Complete Construction M-43-07B. System Operational M-43-07C. Letter issued to WA Dept. of Ecology indicating completion of all milestones.

Acceptance Criteria:

Approval of DOE Operational Readiness Review and turnover to operations.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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Milestone Control No T2C-98-104
WBS Number: 1.01.01.02.01.04.0016

Revision/CIN: 0
Due Date: 2/28/98
ADS No: 1120

Title: CROSS SITE TRANSFER SYSTEM
OPERATIONAL (M-43-07C)

Schedule ID: SP0311TH

Scheduler:

Milestone Level:

☒ TPA M-43-07C
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WA DEPT. OF
ECOLOGY

Description of this Commitment:

Cross-Site Transfer System Operational. Project W-058 will provide encased pipelines to connect SY Tank Farm in the 200 West Area with the 200 East Area tank farms by way of its interface with the 244-A Lift Station. The system will replace parts of the existing cross-site transfer system which are nearing the end of their useful life and protions which are not in compliance with current codes and regulations.

Description of what Constitutes Completion of the Commitment:

Letter issued to WA Dept. of Ecology indicating system is operational and completion of milestones.

Acceptance Criteria:

Approval of DOE Operational Readiness Review and turnover to Operations.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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Milestone Control No TW1-94-522
WBS Number: 1.01.01.02.01.04.0003

Revision/CIN: 1 TWR-94-021

REV. 1

Due Date: ~~2/28/95~~ 3/16/95

ADS No: 1100

Title: DISPOSE OF PORTABLE EXHAUSTERS
AND DUCT WORK

Schedule ID: N1G730G15

Scheduler: KIRK

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE PREPARATIONS TO TRANSFER 241-S PORTABLE EXHAUSTERS AND DUCT WORK TO SOLID WASTE.

Description of what Constitutes Completion of the Commitment:

DECOMMISSION AND DISPOSE OF P-19 AND P-7 PORTABLE EXHAUSTERS. 9/30/94 □ □ COMPLETE THE 241-S TANK FARM DUCTWORK REMOVAL AND DISPOSAL. THE RESOURCE LOADED SCHEDULE WILL BE STATUSED UPON COMPLETION. 2/28/95

Acceptance Criteria:

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
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Milestone Control No TW3-94-418
WBS Number: 1.01.01.02.01.04.0016

Revision/CIN: 0
Due Date: 9/30/94
ADS No: 1120

Title: W-058 TRANSMIT NOC TO WA. DEPT.
OF HEALTH

Schedule ID: Z3H260A02M

Scheduler: Cahill

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

The Notice of Construction (NOC) is a document that is required to be submitted to the Washington Department of Health (DOH) for requesting clean air permitting. This document describes the project, its processes, provides a description of emissions that can be expected, and provides a description of the types of control equipment and monitoring systems that are planned to eliminate these emissions. The NOC will be transmitted to DOE-RL for submittal to the DOH in order to obtain the necessary permitting to begin construction. Approval from the DOH is required prior to starting construction, and is valid for a period of 18 months.

Description of what Constitutes Completion of the Commitment:

ISSUE A TRANSMITTAL LETTER TO DOE-RL WITH THE COMPLETED NOC.

Acceptance Criteria:

WHC ENVIRONMENTAL & WA DEPT. OF HEALTH HAVE DELAYED NOC TO RECEIVE MORE
DETAIL WHICH WILL OCCUR LATER IN DESIGN. NO IMPACT TO PROJECT.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

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1.1.1.2.02.01 Flammable Gas

A5-1

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.02.01.05	ISSUE RPT ON INITIAL VOID/VISCOMETER MEASUREMENT	DOE-RL T22-96-006		16SEP96
1.1.1.2.02.01.08	COMPLETE INSTALLATION OF GCS IN 101-AW	DOE-RL T22-96-008		30APR96
1.1.1.2.02.01.11	COMPLETE INSTALLATION OF GCS IN 105-AN	DOE-RL T22-96-011		29MAR96
1.1.1.2.02.01.04	COMPLETE INSTALL OF MIT's IN REMAINING FG DST's	DOE-RL T22-96-114		31JAN96
1.1.1.2.02.01.04	COMPLETE 241-AW FARM VENTILATION UPGRADES	DOE-RL T22-96-115		28FEB96
1.1.1.2.02.01.03	SUBMIT DOC & TECHN BASIS TO CLOSE 101-AW USQ	DOE-F0 T22-96-119		28AUG96
1.1.1.2.02.01.03	APPROVE SARR-002 & 004 AND INCORP INTO ISB	DOE-RL T22-96-122		30NOV95
1.1.1.2.02.01.04	COMPLETE INSTALL OF CAMERAS IN 3 AN-FG TKS	DOE-RL T22-96-124		30NOV95
1.1.1.2.02.01.03	M-40-00 MIT/RESOLVE HIGH PRIORITY TANK SI's	TPA-M T2B-01-100		28SEP01
1.1.1.2.02.01.03	CLOSE SY FARM USQ (SI 2L)	DOE-RL T2B-95-105		21DEC95
1.1.1.2.02.01.02	M-40-10 COMPLETE VAPOR SPACE MONITOR: FG TANKS	TPA-I T2B-97-100		31JAN97
1.1.1.2.02.01.03	M-40-09 CLOSE ALL USQs FOR DSTs & SSTs	TPA-I T2B-98-100		30SEP98

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Tank Waste Remediation System
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REV. 1

Milestone Control No T22-96-006
WBS Number 1.01.01.02.02.01.0005

Revision/CIN: 0
Due Date: 9/16/96
ADS No: 1110

Title: ISSUE REPORT ON INITIAL VOID
FRACTION AND VISCOMETER
MEASUREMENTS (PNL)

Schedule ID: MTQ2000

Scheduler: ME JONES

Milestone Level:	Deliverables	Addressed To:
☐ TPA	☒ Report	☐ DOE-HQ
☐ DOE-HQ	☐ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☒ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

PNL analyses and report on measurement data obtained from initial Void Fraction Meter and Viscometer testing of Tanks AW-101, AN-103, AN-104, and AN-105. The Void Fraction Meter is an in-situ void fraction measurement device and will be used to measure retained gas in the tank. The viscometer is a falling ball device and will be used to measure tank waste density and viscosity. PNL will analyze the test data as well as other data from the tanks and issue a report interpreting the results and quantifying the waste rheology and gas content of the tanks.

Description of what Constitutes Completion of the Commitment:

Letter to the RL Project Director of Safety Issue Resolution transmitting a PNL report on the results of testing.

Acceptance Criteria:

PNL detailed analysis of measurement data and issuance of report interpreting the results and quantifying the waste rheology and gas content of the tanks. PNL Submit Draft Report on Combined Test Results, 8/16/96; WHC Transmit comment to PNL on Draft Report 8/29/96; PNL Submit final report on combined test results 9/20/96; WHC transmit final report to DOE-RL 9/30/96

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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Milestone Control No T22-96-008
WBS Number 1.01.01.02.02.01.0008

Revision/CIN: 0
Due Date: 4/30/96
ADS No: 1110

Title: COMPLETE INSTALLATION OF THE
GAS CHARACTERIZATION SYSTEM
(GCS) IN TANK AW-101

Schedule ID: MTW2093

Scheduler: ME JONES

Milestone Level:	Deliverables	Addressed To:
☐ TPA	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☒ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☒ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

Design, fabricate, test, and install a Gas Characterization System (GCS) in tank 101-AW . The GCS will continuously measure concentrations of Hydrogen, Ammonia, and Nitrous Oxide to show that the gas mixtures in these tanks is less than 25% of the lower flammability limit (LFL) . This data is needed for decision making on mitigation, and for Safety Assessments and operational controls.

Description of what Constitutes Completion of the Commitment:

Letter to the RL Project Director of Safety Issue Resolution documenting completion of installation of the GCS in Tank 101-AW

Acceptance Criteria:

Gas Characterization System will be successfully installed and meet all design and testing requirements and criteria, verified by the acceptance test report.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T22-96-011
WBS Number 1.01.01.02.02.01.0011

Revision/CIN: 0
Due Date: 3/29/96
ADS No: 1110

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Title: Complete installation of the Gas
Characterization System in Tank AN-105

Schedule ID: MTW2465

Scheduler: ME JONES

Milestone Level:	Deliverables	Addressed To:
☐ TPA	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☒ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☒ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

Design, fabricate, test, and install a Gas Characterization System (GCS) in Tank 103-SY. The GCS will continuously measure concentrations of hydrogen, Ammonia, and Nitrous Oxide to show that the gas mixtures in these tanks is less than 24% of the lower flammability limit (LFL). This data is needed for decision making on mitigation, and for Safety Assessments and operational controls.

Description of what Constitutes Completion of the Commitment:

Letter to the RL Project Director of Safety Issue Resolution documenting completion of installation of the GCS in Tank SY-103

Acceptance Criteria:

Gas Characterization System will be successfully installed and meet all design and testing requirements and criteria, verified by the acceptance test report.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T22-96-114
WBS Number 1.01.01.02.02.01.0004

Revision/CIN: 0
Due Date: 1/31/96
ADS No: 1110-00

WHC-SP-1101
REV. 1

Title: COMPLETE INSTALLATION OF MIT'S
IN REMAINING FLAMMABLE GAS
DST'S

Schedule ID: FG W5007

Scheduler: ME JONES

Milestone Level:	Deliverables	Addressed To:
☐ TPA	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☒ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☒ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

Public Law 101-510, Section 3137, "Safety Measures for Waste Tanks at Hanford Nuclear Reservation" requires continuous monitoring to detect excessive temperature or pressure in Watch List tanks. The Flammable Gas Watch List (FGWL) contains 25 tanks; 6 of the 25 tanks are double-shell tanks (DSTs): 241-SY-101, 241-SY-103, 241-AW-101, 241-AN-103, 241-AN-104, and 241-AN-105.

Multi-function instrument trees (MIT), which have the capability to continuously measure temperature and pressure, have already been installed in tanks 241-SY-101 and 241-SY-103; installation in 241-AW-101 is scheduled to be completed in FY95, and LANL has fabricated and delivered MITs for tanks 241-AN-103, 241-AN-104, and 241-AN-105. This milestone includes work planning and installation of MITs in the remaining FGWL DSTs. Scope also includes completing the Acceptance Test Procedure (ATP), which ensures correct installation in preparation for operational tests.

Existing safety assessments have imposed deployment of in-tank television cameras as work controls for conducting waste-intrusive activities, such as installation of MITs, in FGWL tanks. As a result, completion of this milestone is dependent on completing installation of video cameras in tanks 241-AN-103, 241-AN-104, and 241-AN-105 by October 1995.

Description of what Constitutes Completion of the Commitment:

This commitment will be completed when the equipment is installed, acceptance tested, and a notification letter is sent to RL stating that the milestone is complete and forwarding the acceptance test report.

Acceptance Criteria:

Installation of MITs in tanks 241-AN-103, 241-AN-104, 241-AN-105 and successful completion of ATP.

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T22-96-114
WBS Number 1.01.01.02.02.01.0004

Revision/CIN: 0
Due Date: 1/31/96
ADS No: 1110-00

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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WHC-SP-1101
REV. 1

Milestone Control No T22-96-115
WBS Number 1.01.01.02.02.01.0004

Revision/CIN: 0
Due Date: 2/28/96
ADS No: 1110

Title: COMPLETE 241-AW FARM
VENTILATION UPGRADES

Schedule ID: FG-W4656

Scheduler: ME JONES

Milestone Level:	Deliverables	Addressed To:
☐ TPA	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☒ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☒ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

Upgrading of the 241-AW farm ventilation system is necessary to ensure that proper flow is being provided to Flammable Gas Watch List Tank 241-AW-101. DOE Orders and NFPA guidelines require that the waste tank dome spaces and associated connections must have flammable gas levels that are less than 25% of the lower flammability limit (LFL). Flammability controls will be required by the Accelerated Safety Analysis (ASA). Since a Standard Hydrogen Monitoring System (SHMS) was installed on tank 241-AW-101 in 1994 to measure steady state and peak hydrogen concentrations, several significant gas release events have occurred. Tank 241-AW-101 has active ventilation but the lack of inlet flow control makes determination of flow rate difficult to calculate.

This milestone includes fabrication and installation of inlet HEPA filters and constant flow controls for 241-AW farm. Scope also includes completing the Acceptance Test Procedure (ATP), which ensures correct installation in preparation for operational tests.

Description of what Constitutes Completion of the Commitment:

This commitment will be completed when the equipment is installed, acceptance tested, and a notification letter is sent to RL stating that the milestone is complete and forwarding the acceptance test report.

Acceptance Criteria:

Installation of 241-AW farm ventilation equipment and successful completion of ATP.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T22-96-119
WBS Number 1.01.01.02.02.01.0003

Revision/CIN: 0
Due Date: 8/30/96
ADS No: 1110

Title: SUBMIT DOCUMENTATION THAT
PROVIDES THE TECHNICAL BASIS TO
CLOSE THE FLAMMABLE GAS USQ
FOR AW FARM

Schedule ID: FGW2675

Scheduler: ME JONES

Milestone Level:	Deliverables	Addressed To:
☐ TPA	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☒ Letter	☒ DOE-RL
☒ DOE-FO	☐ Drawing	☐ Other (Specify)
☐ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

The potential for a flammable gas mixture and ignition source to be present simultaneously in waste tanks had not been adequately addressed by the existing safety analysis, resulting in an Unreviewed Safety Question (USQ). Twenty-five tanks are affected; including one (241-AW-101) in the AW Farm. Closure of the USQ requires development of an adequate safety basis and implementation of controls to ensure operational safety. This milestone completion date assumes that a mitigation pump is not required in tank 241-AW-101.

A Standard Hydrogen Monitoring System (SHMS) was installed on tank 241-AW-101 in late FY94. Since the SHMS was installed, three significant gas release events have occurred (peak hydrogen concentrations of 8800 ppm, 4900 ppm and 5000 ppm). These events indicate that additional characterization of the tank is needed before a technical basis can be made for closure of the USQ. Needed data include more detailed gas analyses, improved waste temperature evaluation, improved surface level monitoring, evaluation of waste properties and evaluation of the gas content of the waste. Note: Carryover Milestone T2B-95-145.

Interim activities (estimated completion dates):

Complete installation of Multifunction Instrument Tree (MIT) - 8/30/95
Complete installation of ENRAF surface level gauge - 8/30/95
Complete installation of Gas Characterization System - 03/31/96
Complete waste characterization via:
a) Utilization of the Retained Gas Sampler - 12/15/95
b) Utilization of the Viscometer - 10/31/95
c) Utilization of the Voidmeter - 10/31/95
d) Issue core sample data report - 5/15/96
Issue 101-AW interpretive report - 7/15/96
Submit changes to authorization basis for 101-AW - 8/30/96

Description of what Constitutes Completion of the Commitment:

Submit WHC letter to RL transmitting revised authorization basis and negative USQ screening and evaluation forms.

Acceptance Criteria:

Submit changes to the authorization basis (Chapter 6 of "Hanford Site Tank Farm Facilities Interim Safety Basis v1.30 - Report Date: 9/19/95 4:21:30 PM)

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REV. 1

Milestone Control No T22-96-119
WBS Number 1.01.01.02.02.01.0003

Revision/CIN: 0
Due Date: 8/30/96
ADS No: 1110

is", WHC-SD- WM-ISB-001) to close the USQ for tank 241-AW-101 in accordance with DOE Order 5480.21 "Unreviewed Safety Questions". This will close the USQ for the 241-AW Farm. Submit negative responses to the four USQ Safety Review questions and eight USQ Safety Evaluation questions for tank 241-AW-101.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T22-96-122
WBS Number 1.01.01.02.02.01.0003

Revision/CIN: 0
Due Date: 11/30/95
ADS No: 1110

Title: APPROVE SARR-002 AND SARR-004
AND INCORPORATE INTO ISB

Schedule ID: FG W2515

Scheduler: ME JONES

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

WHC has received comments from RL on Safety Analysis Report Reference (SARR) - 002, "Safety Basis for Activities in Double-Shell Flammable Gas Watch List Tanks" and SARR-004, "Safety Basis for Activities in Single-Shell Flammable Gas Watch List Tanks". The scope of this milestone is to (1) incorporate the RL comments, (2) resubmit SARR-002 and SARR-004 to RL for approval, (3) obtain final authorization and incorporate SARR-002 and SARR-004 into the Interim Safety Basis (ISB).

Description of what Constitutes Completion of the Commitment:

Obtain DOE approval on SARR-002 and SARR-004 and incorporate into the ISB.

Acceptance Criteria:

Incorporate RL comments on SARR-002 and SARR-004 and resubmit for approval. Obtain final authorization from RL and incorporate SARR-002 and SARR-004 into the ISB.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Date Milestone Was Completed

**Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T22-96-124
WBS Number 1.01.01.02.02.01.0004

Revision/CIN: 0
Due Date: 11/30/95
ADS No: 1110

Title: COMPLETE INSTALLATION OF VIDEO
CAMERAS IN 3 241-AN FARM
FLAMMABLE GAS TANKS

Schedule ID: FGW4412

Scheduler: ME JONES

Milestone Level:	Deliverables	Addressed To:
☐ TPA	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☒ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☒ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

Existing safety assessments have imposed deployment of in-tank television camera as work controls for conducting waste-intrusive activities, such as core sampling and installation of multi-functional instrument trees (MIT), in Flammable Gas Watch List (FGWL) Tanks. Considerable progress was made in FY 1995 toward installation of video cameras in the three 241-AN farm tanks. This milestone includes design, procurement, fabrication, and installation of video cameras in tanks 241-AN-103, AN-104, and AN-105. Scope also includes completing the Acceptance Test Procedure (ATP), which ensures correct installation in preparation for operational tests.

Description of what Constitutes Completion of the Commitment:

This commitment will be completed when the equipment is installed, acceptance tested, and a notification letter is sent to RL stating that the milestone is complete and forwarding the acceptance test report.

Acceptance Criteria:

Installation of video cameras in tanks 241-AN-103, AN-104 and AN-105, and successful completion of ATP.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

WHC TWRS Milestone Description Sheet

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WHC-SP-1101

TITLE: Close SY Farm Flammable Gas
Unreviewed Safety Question by
March 1995

SCHEDULE ID: N2D430A07
REVISION: 0

WHC-SP-1101
REV. 1

ASSIGNED TO: Waste Tank Safety Program
WBS DESIGNATOR: 1.1.1.2.02.04
MILESTONE CONTROL NO: T2B-95-105

ADS NO: 1110-0-AD
COMPLETION DATE: 03/31/95 12/21/95

MILESTONE CLASS:

☐ TPA
☒ DOE-HQ [SI - 21]
☒ DOE-RL
☐ Contractor

DELIVERABLE:

☐ Report
☒ Letter
☐ Drawings
☐ Other (Specify)

ADDRESSED TO:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description and what constitutes completion of this commitment:

The potential for a flammable gas mixture and ignition source to be present simultaneously in waste tanks had not been adequately addressed by the existing safety analysis, resulting in an Unreviewed Safety Question (USQ). Twenty-five tanks are affected; including two (241-SY-101 and 241-SY-103) in the SY Farm. Requests for closure of the USQ for each tank in the SY Farm will be submitted separately. Closure of the USQ requires development of an adequate safety basis and implementation of controls to ensure operational safety.

Closure of the SY Farm USQ is an important first step towards closure of the flammable gas USQ. Closure of the SY Farm USQ does not, however, close the flammable gas USQ, nor does it resolve the flammable gas safety issue. The milestone completion date assumes that (1) a mitigation pump is not required in tank 241-SY-103 to close the USQ, and (2) RL has been formally delegated the authority by 12/30/94 to approve safety analysis reports.

Scope includes evaluating historical documents, process data and technical data (gas composition and concentration, energetics of gas release, chemical reactions, etc.) as it relates to safety issue resolution, performing detailed safety hazard analyses, establishing work controls, and completing the USQ evaluation.

Interim milestones:

- Submit changes to authorization basis for tank 241-SY-101 08/31/94
- DOE approval of authorization basis to close the USQ for tank 241-SY-101 11/30/94
- Submit changes to authorization basis for tank 241-SY-103 02/15/95
- DOE approval of authorization basis to close the USQ for tank 241-SY-103 03/31/95

Acceptance Criteria:

Submit changes for approval to the authorization basis (Chapter 6 of "Hanford Site Tank Farm Facilities Interim Safety Basis", WHC-SD-WM-ISR-001 Rev. 0) for tanks 241-SY-101 and 241-SY-103.

Negative responses to the four USQ Safety Review questions and eight USQ Safety Evaluation questions for tanks 241-SY-101 and -103.

Obtain DOE approval of proposed changes to the authorization basis to close the USQ for tanks 241-SY-101 and 241-SY-103 in accordance with DOE Order 5480.21 "Unreviewed Safety Questions". This will close the USQ for the 241-SY Farm.

Deliverables:

- Submit WHC letter to RL requesting closure of USQ for tank 241-SY-103 02/15/95
- Receive DOE letter approving request to close USQ for tank 241-SY-103 03/31/95

G. M. Christensen K. O. Fein 7/15/94
Cost Account Manager Date

M. A. Rayne 9/21/94
Program Element Manager Date

G. D. Johnson R. F. Christensen 7/19/94
Activity Manager Date

R. F. Christensen 9/22/94
DOE Manager (agreement) Date

DOE Manager (acceptance) Date

A5-10

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T2B-97-100
WBS Number 1.01.01.02.02.01.0002

Revision/CIN: 0
Due Date: 1/31/97
ADS No: 1110-0-AD
Schedule ID: FGW2097

Title: COMPLETE VAPOR SPACE
MONITORING FOR ALL FLAMMABLE
GAS GENERATING TANKS (M-40-10)

Scheduler: ME Jones

Milestone Level:	Deliverables	Addressed To:
☒ TPA M-40-10	☒ Report	☐ DOE-HQ
☐ DOE-HQ	☐ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☐ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

Design, procure, and fabricate Standard Hydrogen Monitoring Systems (SHMS) for all Unreviewed Safety Question (USQ) Flammable Gas Watch List tanks. Prepare all required safety and environmental documentation for tank intrusive work on a tank by tank, or group of tanks, basis. Install the SHMSs and obtain vapor space grab samples. Analyze samples using a high sensitivity mass spectrometer to determine the concentrations of flammable gases (e.g., hydrogen, nitrous oxide, ammonia) for all tanks. Report the background gas compositions for the double-shell tanks that entrap and periodically release gas. The vapor space of each tank will be observed over a sufficient period of time to make decisions regarding resolution of the safety issue. A report, with the analytical data for each tank, will be prepared, cleared for public release, and transmitted to RL for subsequent issuance to the Washington Department of Ecology and Environmental Protection Agency. □ □ Monitoring will continue after the initial report.

Description of what Constitutes Completion of the Commitment:

1) Cleared report (approved for public release) on the results of vapor space monitoring in all flammable gas generating tanks transmitted to DOE-RL. (12/31/96) 2) RL transmittal of WHC report to Ecology and EPA. (01/31/97)

Acceptance Criteria:

Documented results proving vapor space monitoring in all 25 flammable gas Watch List tanks (identified as of April 15, 1994); monitoring period will be at least 18 months for each tank and will indicate if, how often, and to what extent the hydrogen present in the vapor space exceeds 25% of the lower flammability limit.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T2B-98-100
WBS Number 1.01.01.02.02.01.0003

Revision/CIN: 0
Due Date: 9/30/98
ADS No: 1110

Title: CLOSE ALL UNREVIEWED SAFETY
QUESTIONS FOR DOUBLE-SHELL &
SINGLE-SHELL TANKS (M-40-09)

Schedule ID: FGW2860

Scheduler:

Milestone Level:	Deliverables	Addressed To:
☒ TPA M-40-09	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☒ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☐ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

Four Unreviewed Safety Questions (USQ) have been identified on Hanford single-shell and double-shell waste tanks as of September 30, 1993: high flammable gas concentrations, potentially explosive mixtures of ferrocyanide, potential for nuclear criticality, and existence of a separable organic phase (floating layer). For each USQ, data will be collected and safety documentation, including new operating safety envelopes, and appropriate work controls, will be submitted for approval. This will be followed by USQ screening and evaluation submitted for approval, and finally by a recommendation for USQ closure. The recommendation for closure of a USQ will be transmitted to RL when a tank, group of tanks, or all tanks have been sufficiently reviewed to remove the USQ restrictions. The anticipated order of USQ closure is as follows: first 6 ferrocyanide tanks, 241-C-103 organic layer, remaining ferrocyanide tanks, criticality, 241-SY farm flammable gas tanks, 241-AW-101 flammable gas tank, 241-AN farm flammable gas tanks, and 18 single-shell flammable gas tanks. □ □ The parties recognize the existence of a USQ does not prohibit the continuation or initiation of work in the tank farms.

Description of what Constitutes Completion of the Commitment:

1) Letter recommending closure of the USQ for the single-shell flammable gas tanks transmitted to DOE-RL. (08/31/98) □ 2) RL approval of USQ closure. This will close the last of the USQs that had been identified as of September 30, 1993. (08/31/98) □ 3) DOE-RL transmittal of closure notification to Washington State Department of Ecology and U.S. Environmental Protection Agency (EPA). (09/30/98)

Acceptance Criteria:

Documented results that the 4 USQs (identified as of September 30, 1993) have been closed in accordance with DOE Order 5480.21.

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T2B-98-100
WBS Number 1.01.01.02.02.01.0003

Revision/CIN: 0
Due Date: 9/30/98
ADS No: 1110

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System**

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WHC-SP-1101
REV. 1

Milestone Control No T2B-01-100
WBS Number 1.01.01.02.02.01.0003

Revision/CIN: 0
Due Date: 9/30/2001
ADS No: 1110

Title: MITIGATE/RESOLVE TANK SAFETY
ISSUES FOR HIGH PRIORITY WATCH
LIST TANKS (M-40-00)

Schedule ID: SS0D602

Scheduler:

Milestone Level:

☒ TPA M-40-00
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

High priority Watch List tanks are those single-shell and double-shell tanks identified, in accordance with Section 3137 of Public Law 101-510, which have a serious potential for release of high-level waste due to uncontrolled increases in temperature or pressure. These include flammable gas generating tanks, ferrocyanide containing tanks, organic/nitrate containing tanks, and a high heat producing tank. Corrective action strategies will be developed for these tanks. This milestone will be complete when mitigation activities, if required, have been implemented in all Watch List tanks to ensure safe storage of waste during the interim period until retrieval for treatment and/or disposal operations begin. For those safety issues mitigated pursuant to this milestone, safety resolution will be dependent upon final treatment of the waste. Mitigation will allow, however, the characterization retrieval, etc., of these wastes prior to final treatment. Some safety issues may also be resolved if (1) resolution out-of-tank is not required, or (2) resolution out-of-tank with or without treatment takes place within the time period of this milestone. This milestone will be reviewed on an annual basis to identify any potential schedule enhancements.

Description of what Constitutes Completion of the Commitment:

(1) Transmit letter to DOE-RL indicating that all high priority Watch List tanks have been mitigated and/or that their safety issues have been resolved by 08/31/01. (2) DOE-RL transmittal of closure notification to Washington State Department of Ecology and the U.S. Environmental Protection Agency (EPA) by 09/30/01.

Acceptance Criteria:

Documented results that (1) all 4 of the USQs (identified as of 09/30/93) are closed per DOE Order 5480.21, (2) all 6 parts of the DNFSB Recommendation 90-7 are closed per WHC-EP-0415, Rev. 1, (3) approval is received from DOE for removal of approximately 52 tanks (as of 04/15/94) from the Watch List except those tanks requiring retrieval, (4) an adequate safety basis is established to bound the known hazards associated with the safety issues, and (5) approval is received from DOE to resolve the safety issues after either controlling or eliminating the hazards except in those tanks requiring retrieval.

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Tank Waste Remediation System
Milestone Description Sheet**

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WHC-SP-1101
REV. 1

Milestone Control No T2B-01-100
WBS Number 1.01.01.02.02.01.0003

Revision/CIN: 0
Due Date: 9/30/2001
ADS No: 1110

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

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1.1.1.2.02.02 Ferrocyanide

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.02.02.01	TRANS DOC TO RESOLVE FeCN SI FOR ALL TKS	DOE-RL . T22-96-022		30AUG96
1.1.1.2.02.02.01	TRANSMIT SAFETY DOC FOR 4 C FARM TANKS	DOE-RL T22-96-023		31JAN96

AL-1

WHC-SP-1101
REV.1

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T22-96-022
WBS Number 1.01.01.02.02.02.0001

Revision/CIN: 0
Due Date: 8/30/96
ADS No: 1110-00

Schedule ID: FCW1530

Title: TRANSMIT DOCUMENTATION TO
RESOLVE FERROCYANIDE SAFETY
ISSUE FOR ALL TANKS

Scheduler: ME JONES

Milestone Level:	Deliverables	Addressed To:
☐ TPA	☐ Report	☐ DOE-HQ
☐ DOE-HQ 90-7.2.2.C	☒ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☒ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

A strategy for closing the Ferrocyanide Unreviewed Safety Question (USQ) and resolving the Ferrocyanide Safety Issue was developed in 1993. The strategy uncoupled USQ closure from safety issue resolution. The strategy contains two key steps: (1) development of criteria for safety categories that rank the hazard for each tank and hence allow closure of the USQ; and (2) confirmation and final placement of each tank into one of the categories based on sampling and analyses of the tank contents. Key Step 1: Criteria were established on fuel concentration, moisture content, and temperature; tanks were interim ranked into one of three safety categories (i.e. "Safe", "Conditionally Safe", or "Unsafe") based on available historical and sampling analyses; and the Ferrocyanide USQ was closed in 1994. Key Step 2: An increased understanding of radiolytic and chemical degradation (aging) of ferrocyanide indicates that little ferrocyanide remains, and the assumption that sampling of all tanks is required may not be valid. Sampling and analyses of only those tanks that bound aging (i.e. tanks with conditions least conducive to aging) could result in resolution of the Ferrocyanide Safety Issue much earlier. Six tanks have been sampled to-date. This milestone assumes that the other five tanks that bound aging will be sampled in late FY 1995 or early in FY 1996, and sampling of the last seven tanks is not needed. Safety documentation will be prepared to indicate that criteria are met, and that the safety issue should be resolved.

Description of what Constitutes Completion of the Commitment:

This commitment will be complete when documentation is transmitted, and a notification letter is sent to RL stating that the milestone is complete. This milestone completes DNFSB Recommendation 90-7 Commitment Number 2.2.C.

Acceptance Criteria:

Confirm that (1) Ferrocyanide Safety Criteria are met for the remaining 14 tanks and (2) necessary monitoring, controls, and procedures are in place to ensure operations are conducted within the criteria. Transmit documentation fully supporting safety issue resolution for the remaining 14 tanks and recommending Ferrocyanide Safety Issue resolution for all tanks and their removal from the Ferrocyanide Watch List.

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T22-96-022
WBS Number 1.01.01.02.02.02.0001

Revision/CIN: 0
Due Date: 8/30/96
ADS No: 1110-00

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T22-96-023
WBS Number 1.01.01.02.02.02.0001

Revision/CIN: 0
Due Date: 1/31/96
ADS No: 1110-00

Title: TRANSMIT SAFETY DOCUMENTATION
FOR FOUR 241-C FARM TANKS

Schedule ID: FCW1505

Scheduler: ME JONES

Milestone Level:	Deliverables	Addressed To:
☐ TPA	☐ Report	☐ DOE-HQ
☐ DOE-HQ 90-7.2.2.A	☒ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☒ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

A strategy for closing the Ferrocyanide Unreviewed Safety Question (USQ) and resolving the Ferrocyanide Safety Issue was developed in 1993. The strategy uncoupled USQ closure from safety issue resolution. The strategy contains two key steps: (1) development of criteria for safety categories that rank the hazard for each tank and hence allow closure of the USQ; and (2) confirmation and final placement of each tank into one of the categories based on sampling and analyses of the tank contents. Key Step 1: Criteria were established on fuel concentration, moisture content, and temperature; tanks were interim ranked into one of three categories (i.e. "Safe", "Conditionally Safe", or "Unsafe") based on available historical and sampling analyses; and the Ferrocyanide USQ was closed in 1994. Key Step 2: The two 241-C Farm tanks containing the highest projected ferrocyanide concentration were put into the "Safe" category on the basis of actual sample data. The two remaining tanks, interim ranked as "Conditionally Safe" based on historical data, have been sampled and analyses are nearly complete; it is expected that the tanks will be ranked as "Safe" based on actual sample data. Safety documentation will be prepared to indicate that criteria are met, and that an unacceptable risk regarding the operation of these four tanks does not exist. The safety issue should thus be resolved and the four 241-C Farm tanks should be removed from the Ferrocyanide Watch List.

Description of what Constitutes Completion of the Commitment:

This commitment will be complete when documentation is transmitted, and a notification letter is sent to RL stating that the milestone is complete. This milestone completes DNFSB Recommendation 90-7 Commitment Number 2.2.A.

Acceptance Criteria:

Confirm that (1) Ferrocyanide Safety Criteria are met for four 241-C Farm tanks (241-C-108, C-109, C-111, and C-112) and (2) necessary monitoring, controls, and procedures are in place to ensure operations are conducted within the criteria. Transmit documentation fully supporting safety issue resolution for the four 241-C Farm tanks and recommending Ferrocyanide Safety Issue resolution for these tanks and their removal from the Ferrocyanide Watch List.

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Milestone Control No T22-96-023
WBS Number 1.01.01.02.02.02.0001

Revision/CIN: 0
Due Date: 1/31/96
ADS No: 1110-00

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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1.1.1.2.02.03 Organics & Noxious Vapors

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.02.03.04	COMPLETE PROCUREMENT OF THE LDUA	DOE-RL T22-96-012		30AUG96
1.1.1.2.02.03.01	ISSUE SAFETY CRITERIA FOR ORGANIC WL TANKS	DOE-RL T22-96-037		30SEP96
1.1.1.2.02.03.04	DEV & DEPLOY SURFACE MOIST MONITOR SYS (SMMS)	DOE-RL T22-96-040		30SEP96
1.1.1.2.02.03.04	DEVELOP AND DESIGN IN-SITU ORGANIC DETECTOR	DOE-RL T22-96-041		30SEP96

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Tank Waste Remediation System
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Milestone Control No T22-96-012
WBS Number 1.01.01.02.02.03.0004

Revision/CIN: 0
Due Date: 8/30/96
ADS No: 1110

Title: COMPLETE PROCUREMENT OF THE
LIGHT DUTY UTILITY ARM (LDUA)

Schedule ID: LDW1100

Scheduler: ME JONES

Milestone Level:	Deliverables	Addressed To:
☐ TPA	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☒ Letter	☐ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☒ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

Complete procurement and acceptance testing of the Light Duty Utility Arm (LDUA). The LDUA is a truck mounted robotic arm used to position sampling and/or other sensing equipment into waste storage tanks without exposing operators to hazardous conditions. It is mobile to enable movement from tank to tank. The LDUA system is required and specific end effectors are being provided to assist in the determination of safe storage of the organic-bearing waste. The primary need is to verify organic concentrations, and possibly moisture, are the same as that measured by samples taken directly beneath the riser. There have been significant questions by oversight groups on this issue. The LDUA has the capability to obtain this information off-riser. The end effectors will include, 1) a sampling device to obtain a surface sample off-riser specifically for organic concentrations, 2) a total organic detector, probably based on an infrared technology using fiber optic systems, 3) a moisture sensor to be deployed on the surface greater than 6 feet off riser, if the measurements made by other systems do not show consistent moisture concentrations inside 6 feet, and 4) any other sensors determined to be needed for the safe storage of the organic waste.

Description of what Constitutes Completion of the Commitment:

Letter to the RL Project Director of Safety Issue Resolution documenting completion of fabrication and acceptance testing of the LDUA.

Acceptance Criteria:

Successful acceptance testing of the Light Duty Utility Arm and meeting of all design requirements and criteria.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T22-96-037
WBS Number 1.01.01.02.02.03.0001

Revision/CIN: 0
Due Date: 9/30/96
ADS No: 1110

Title: ISSUE ORGANIC NITRATE SAFETY
REPORT; SARR-033, REV 0.

Schedule ID: OG W1415

Scheduler: ME JONES

Milestone Level:	Deliverables	Addressed To:
☐ TPA	☒ Report	☐ DOE-HQ
☐ DOE-HQ	☐ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☒ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

Revise WHC-SD-WM-SARR-033 Rev. 0, "Preliminary Safety Criteria for Organic Watch List Tanks at the Hanford Site," to incorporate laboratory test results on the energetics of simulated organic-nitrate waste and an update of information presented in PNL 10360, "Analysis of Organic Carbon and Moisture in Hanford Single-Shell Tank Waste." The document will present: 1) A revised organic-nitrate safety criteria based on laboratory tests using simulated waste; 2) TOC and moisture concentration estimates for each of the 149 SSTs; 3) classification of waste in each of the 149 SSTs in "Safe," "conditionally safe," or "unsafe" categories; and 4) operating controls required to ensure continued safe interim storage.

Description of what Constitutes Completion of the Commitment:

Letter to RL Project Director of Safety Issue Resolution transmitting the publicly cleared document.

Acceptance Criteria:

Transmittal of publicly cleared document to RL following technical review by the Chemical Reaction Subpanel of the Tanks Advisory Panel.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T22-96-040
WBS Number 1.01.01.02.02.03.0004

Revision/CIN: 0
Due Date: 9/30/96
ADS No: 1110

Title: DEVELOP AND DEPLOY WASTE
SURFACE MOISTURE MONITORING
SYSTEMS (SMMS)

Schedule ID: OGWI730

Scheduler: ME Jones

Milestone Level:	Deliverables	Addressed To:
☐ TPA	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☐ Letter	☒ DOE-RL
☐ DOE-FO	☒ Drawing	☐ Other (Specify)
☒ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

Develop and deploy a waste Surface Moisture Monitoring System (SMMS) with simplified installation features (not requiring a crane), a carbon dioxide decontamination system, a reduced headspace design, and an EMI Probe. System is specifically required for use in organic watch list tanks. Moisture concentrations of the waste surface (down to 14 centimeters) are needed to assist in the determination of safe storage of the organic-bearing waste. The moisture is required to be determined off-riser due to suspected higher concentrations of moisture directly underneath the riser. There have been significant questions by oversight groups on this issue. The system being developed will be able to measure moisture up to 6 feet away from the riser and the neutron detector system used is being modified based on work done for the ferrocyanide program in FY 1994 and FY 1995.

Description of what Constitutes Completion of the Commitment:

Letter to the RL Project Director of Safety Issue Resolution documenting completion of fabrication, acceptance testing, and field deployment of the SMMS.

Acceptance Criteria:

Successful acceptance testing and field deployment of waste Surface Moisture Monitoring Systems meeting all design requirements and criteria.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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Milestone Control No T22-96-041
WBS Number 1.01.01.02.02.03.0004

Revision/CIN: 0
Due Date: 9/30/96
ADS No: 1110

Title: DEVELOP AND DESIGN AN IN-SITU
ORGANIC DETECTOR

Schedule ID: OG-W1923

Scheduler: ME Jones

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Develop and complete preliminary design of an in-situ organic detector for use on a Surface Moisture Monitoring System (SMMS). The detector will be used to determine organic species concentrations on the waste surface. Moisture concentrations of the waste surface (down to 14 centimeters) are needed to assist in the determination of safe storage of the organic-bearing waste. The moisture is required to be determined off-riser due to suspected higher concentrations of moisture directly underneath the riser. There have been significant questions by oversight groups on this issue. The system being developed will be able to measure moisture up to 6 feet away from the riser and the neutron detector system being used is being modified based on work done for the ferrocyanide program in FY 1994 and FY 1995.

Description of what Constitutes Completion of the Commitment:

Letter to the RL Project Director of Safety Issue Resolution documenting completion of preliminary design of the In-Situ Organic Detector

Acceptance Criteria:

Completion of development and preliminary design of the In-Situ Organic Detector, meeting design specifications and criteria.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

WESTINGHOUSE HANFORD COMPANY
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1.1.1.2.02.04 High Heat and Others

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.02.04.01	COMPLETE WASTE REMOVAL REPORT FOR C-106	DOE-RL T22-96-030		28JUN96
1.1.1.2.02.04.01	UPDATE 241-C-106 ACTION RESPONSE PLAN	DOE-RL T22-96-032		02AUG96
1.1.1.2.02.04.01	RESOLVE HIGH-HEAT SI AFTER 106-C RETRIEVAL	DOE-RL T22-97-011		30SEP97
1.1.1.2.02.04.03	M-40-12 RESOLVE NUCLEAR CRITICALITY SI	TPA-I T2B-99-100		30SEP99

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Milestone Control No T22-96-030
WBS Number 1.01.01.02.02.04.0001

Revision/CIN: 0
Due Date: 6/28/96
ADS No: 1110-00

Title: COMPLETE A SAFETY PROGRAM
WASTE REMOVAL THERMAL
HYDRAULICS REPORT FOR TANK 241-
C-106.

Schedule ID: HHW1025

Scheduler: ME JONES

Milestone Level:	Deliverables	Addressed To:
☐ TPA	☒ Report	☐ DOE-HQ
☐ DOE-HQ	☐ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☒ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

Complete a detailed thermal hydraulic evaluation on high-heat single-shell tank (SST) 241-C-106 to confirm the quantities of waste that must be removed from the tank to ensure that water additions and forced ventilation are no longer needed for cooling; i.e., the tank can be operated as a passively ventilated tank after waste retrieval. Evaluation shall include an analysis of waste heterogeneity and determine if removal of bottom hard pan waste is required.

Description of what Constitutes Completion of the Commitment:

This commitment will be complete when a cleared report approved for public release is issued, and a notification letter is sent to RL stating that the milestone is complete.

Acceptance Criteria:

Conduct thermal hydraulic analyses using the GOTH code and calculate the quantity of waste that must be removed from SST 241-C-106 to ensure safe interim storage.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T22-96-032
WBS Number 1.01.01.02.02.04.0001

Revision/CIN: 0
Due Date: 8/1/96
ADS No: 1110-00

Title: UPDATE TANK 241-C-106 ACTION
RESPONSE PLAN

Schedule ID: HHW1060

Scheduler: ME JONES

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Update the action response plan, WHC-EP-0473, for tank 241-C-106 to cover safety-related issues that might arise during sluicing and retrieval operations. Incorporate results of tank 241-C-106 action response plan into the Operational Readiness Review for Project W-320, Tank 241-C-106 Sluicing.

Description of what Constitutes Completion of the Commitment:

This commitment will be complete when a cleared report approved for public release is issued, and a notification letter is sent to RL stating that the milestone is complete.

Acceptance Criteria:

Update "Action Plan for Response to Excessive Temperature in High Heat Source Waste Tank 241-C-106 at the Hanford Site", WHC-EP-0473, Rev. 2., to cover possible safety related anomalies that might occur during tank 241-C-106 waste retrieval.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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Milestone Control No T22-97-011
WBS Number 1.01.01.02.02.04.0001

Revision/CIN: 0
Due Date: 9/30/97
ADS No: 1110

Title: RESOLVE HIGH-HEAT SAFETY ISSUE
AFTER RETRIEVAL OF WASTE IN
TANK 241-C-106

Schedule ID: HHW2003

Scheduler: ME JONES

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Tank 241-C-106 is a single-shell tank (SST) containing high-level radioactive waste. The high heat generation (over 100,000 Btu/h in 1995) resulted in a safety issue that, if left alone, the structure might fail from high temperature, allowing high-level radioactive waste to be released to the environment. The tank was placed on the safety Watch List because of the need for cooling water additions to prevent waste temperatures in excess of the 300 degrees F operating limit by keeping a liquid cover over the waste and promoting heat removal by evaporative cooling through active filtered ventilation. The only identified remediation method is retrieval of enough of the waste contents to ensure that water additions and forced ventilation are no longer needed for cooling; i.e., the tank can be operated as a passively ventilated tank. This milestone assumes that Project W-320, Tank 241-C-106 Sluicing, will initiate retrieval of the waste contents in approximately October 1996. Following retrieval of enough of the waste to meet high-heat safety criteria, documentation will be prepared and transmitted to RL recommending that the safety issue be resolved and that the tank be removed from the Watch List.

Description of what Constitutes Completion of the Commitment:

This commitment will be complete when safety issue resolution documentation is transmitted, and a notification letter is sent to RL stating that the milestone is complete.

Acceptance Criteria:

Confirm that High-Heat Safety Criteria are met and that cooling water additions are no longer needed for tank 241-C-106. Transmit documentation fully supporting safety issue resolution and recommending removal of 241-C-106 from the High-Heat Tank Watch List.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T2B-99-100
WBS Number 1.01.01.02.02.04.0003

Revision/CIN: 0
Due Date: 9/30/99
ADS No: 1110

Title: RESOLVE NUCLEAR CRITICALITY
SAFETY ISSUE (M-40-12)

Schedule ID: CTW1020

Scheduler: ME Jones

Milestone Level:

☒ TPA M-40-12
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Transmit letter to the DOE-RL Project Manager and Tank Farms Project Office documenting resolution of the nuclear criticality safety issue - 8/31/99. DOE-RL transmittal of safety issue resolution to Washington State Department of Ecology and the U.S. Environmental Protection Agency (EPA) - 9/30/99.

Description of what Constitutes Completion of the Commitment:

Resolve the potential for nuclear criticality safety issue by providing sufficient monitoring, analysis, and revision of appropriate safety documentation. These activities must address the various stages of waste transference and the possibility for changes in the potential for nuclear criticality incidents during waste transfers.

Acceptance Criteria:

Documentation that monitoring, analysis, and associated paperwork is in place to satisfy safety concerns by eliminating potential nuclear criticality incidents during waste transfers.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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1.1.1.2.04 Waste Characterization

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.04.06.	M-40-03 COMP VAP HDSPAC CHAR OF FECN WL TANKS	TPA-I T24-96-100		30NOV95
1.1.1.2.04.06.	M-40-08 COMP VAP HDSPC CHAR OF ALL ORG WL TANKS	TPA-I T24-96-101		30NOV95
1.1.1.2.04.06.	ISS DNFSB QTRLY PROGRESS RPTS. (93-5,1.10)	DOE-HQ T24-96-134		12JUL96
1.1.1.2.04.06.	ISSUE FY96 CHAR PROG ADS	DOE-RL T24-96-136		15APR96
1.1.1.2.04.06.	PREP FY96 CHAR PROJ MYWP DOC	DOE-RL T24-96-138		30AUG96
1.1.1.2.04.06.	SUBMIT REV TO THE DNFSB 93-5 IMPLEMENTATION PLAN	DOE-RL T24-96-142		29FEB96
1.1.1.2.04.07.	ISS 21 TANK CHAR REPORTS TCD/INPUT-(T24-96-144)	DOE-RL T24-96-144		30SEP96
1.1.1.2.04.07.	UPDATE TANK CHARACTERIZATION BASIS(T24-96-146)	DOE-RL T24-96-146		30SEP96
1.1.1.2.04.07.	UPDATE HTCE REPORTS FOR ALL QUADS-(T24-96-147)	DOE-RL T24-96-147		30SEP96
1.1.1.2.04.07.	ISS ORGANIC SOURCE TERMS REP-LANL-(T24-96-151)	DOE-RL T24-96-151		29MAR96
1.1.1.2.04.08.	Dsn/Fab/Tst a 35-ton cone pentrmtr to meas Prop.	DOE-RL T24-96-164		26SEP96
1.1.1.2.04.10.	Complete 45 Rotary mode core samples	DOE-RL T24-96-166		30SEP96
1.1.1.2.04.10.	Complete 12 Push mode core samples	DOE-RL T24-96-167		30SEP96
1.1.1.2.04.10.	Complete 48 Vapor samples	DOE-RL T24-96-168		30SEP96

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1.1.1.2.04 Waste Characterization

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.04.10.	Complete 30 Grab samples	DOE-RL T24-96-169		30SEP96
1.1.1.2.04.10.	Complete 16 Auger samples	DOE-RL T24-96-170		30SEP96
1.1.1.2.04.11.01	Issue Test Plan and Report SEE Phase IV	DOE-RL T24-96-173		30AUG96
1.1.1.2.04.11.02	Issue 21 Lab Data 7 Lab Analy Rotary	DOE-RL T24-96-175		09SEP96
1.1.1.2.04.11.03	Issue 8 Lab Data 5 Lab Analy Push	DOE-RL T24-96-176		30SEP96
1.1.1.2.04.11.04	Issue 19 Lab Data 3 Lab Analy Grab	DOE-RL T24-96-177		30SEP96
1.1.1.2.04.11.05	Issue 7 Lab Data 4 Lab Analy Auger	DOE-RL T24-96-178		30SEP96
1.1.1.2.04.08.	Incr cum avrg avail for core samp sys 75%	DOE-RL T24-96-199		30SEP96
1.1.1.2.04.08.	Incr samp recov avrg (vol) to 60% Rotary Core	DOE-RL T24-96-200		30SEP96
1.1.1.2.04.08.	Incr samp recov avrg (vol) to 80% Push Mode	DOE-RL T24-96-201		30SEP96
1.1.1.2.04.08.	Incr samp recov avrg (vol) to 60% Auger Sampl	DOE-RL T24-96-202		30SEP96
1.1.1.2.04.07.	M-44-01D SUBMIT DRAFT TWAP UPDATE TO EPA\ECOL	TPA-I T24-97-100		29MAY97
1.1.1.2.04.06.	ISS DNFSB QTRLY PROGRESS RPTS (93-5,1.10)	DOE-HQ T24-97-115		14JUL97
1.1.1.2.04.06.	ISSUE FY97 CHAR PROJ ADS	DOE-RL T24-97-117		15APR97

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1.1.1.2.04 Waste Characterization

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.04.06.	ISSUE FY97 CHAR PROG MULTI YR WK PLAN DOC	DOE-RL T24-97-119		29AUG97
1.1.1.2.04.10.	Complete 45 Rotary mode core samples	DOE-RL T24-97-126		30SEP97
1.1.1.2.04.10.	Complete 48 Vapor samples	DOE-RL T24-97-128		30SEP97
1.1.1.2.04.10.	Complete 30 Grab samples	DOE-RL T24-97-129		30SEP97
1.1.1.2.04.10.	Complete 16 Auger samples	DOE-RL T24-97-130		30SEP97
1.1.1.2.04.11.01	Issue Test Plan and Report SEE Phase V	DOE-RL T24-97-132		30MAY97
1.1.1.2.04.07.	ISS 15 TANK CHAR REPORTS/TCD INPUT-(T24-97-139)	DOE-RL T24-97-139		30SEP97
1.1.1.2.04.07.	UPDATE TANK CHARACTERIZATION BASIS(T24-97-141)	DOE-RL T24-97-141		29SEP97
1.1.1.2.04.08.	Incr cum average avail for core samp sys 80%	DOE-RL T24-97-142		30SEP97
1.1.1.2.04.08.	Incr samp recov % (vol) to 70% for Auger Samp1	DOE-RL T24-97-143		30SEP97
1.1.1.2.04.08.	Incr samp recov % (vol) to 70% for Rotary Core	DOE-RL T24-97-144		30SEP97
1.1.1.2.04.08.	Incr samp recov % (vol) to 90% for Push Mode	DOE-RL T24-97-145		30SEP97
1.1.1.2.04.06.	ISS DNFSB QTRLY PROGRESS RPTS (93-5,1.10)	DOE-HQ T24-98-103		21JUL98
1.1.1.2.04.06.	PREPARE FY98 CHAR PROJ ADS	DOE-RL T24-98-104		15APR98

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1.1.1.2.04 Waste Characterization

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WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.04.06.	PREP FY97 CHAR PMULTI YR WK PLAN DOC	DOE-RL T24-98-106		31AUG98
1.1.1.2.04.10.	Complete 45 Rotary mode core samples	DOE-RL T24-98-113		29SEP98
1.1.1.2.04.10.	Complete 48 Vapor samples	DOE-RL T24-98-115		30SEP98
1.1.1.2.04.10.	Complete 30 Grab samples	DOE-RL T24-98-116		30SEP98
1.1.1.2.04.11.01	Issue Report SEE Ph VI	DOE-RL T24-98-119		27FEB98
1.1.1.2.04.07.	ISSUE 15 TANK CHAR REP/TCD INPUT(T24-98-122)	DOE-RL T24-98-122		29SEP98
1.1.1.2.04.07.	UPDATE TANK CHARACTERIZATION BASIS(T24-98-124)	DOE-RL T24-98-124		30SEP98
1.1.1.2.04.07.	M-44-02B Prepare Fnl TWAP FY96 Update	TPA-I T2D-95-101		29SEP95
1.1.1.2.04.07.	M-44-08 TPA Issue 30 TCRs/TCD INPUT	TPA-I T2D-95-102		29SEP95
1.1.1.2.04.07.	RL(DNFSB 1.23) ID "Bounding Tanks"(11/30/94)	DOE-RL T2D-95-106		30NOV94
1.1.1.2.04.07.	WHC PNL Tank Grouping Analysis	DOE-RL T2D-95-118		31AUG95
1.1.1.2.04.07.	WHC White Paper on Hist Data Methods	DOE-RL T2D-95-119		28SEP95
1.1.1.2.04.11.01	RL 45 Day Data Rpt (per smp1 evt) Tx'd	DOE-RL T2D-95-122		02OCT95
1.1.1.2.04.11.01	DNFSB Compl't Samp1/Analy Wchlst Tks	DOE-RL T2D-95-123		02OCT95

WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

PAGE NO. 29

1.1.1.2.04 Waste Characterization

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.04.11.01	RL 216 Day Val Rpt (per smp1 evt) Tx'd	DOE-RL T2D-95-124		29SEP95
1.1.1.2.04.11.01	RL 136 Day Data Rpt (per smp1 evt) Txd	DOE-RL T2D-95-126		02OCT95
1.1.1.2.04.10.	COLLECT 7 ROTARY AND 30 PUSH MODE CORE SAMPLES	DOE-RL T2D-95-135		29SEP95
1.1.1.2.04.10.	COLLECT 46 AUGER SAMP FROM Hi LVL WASTE TANK	DOE-RL T2D-95-136		29SEP95
1.1.1.2.04.10.	COL VAPOR SAMP FROM 40 HIGH LEVEL WASTE TANK	DOE-RL T2D-95-137		29SEP95
1.1.1.2.04.10.	COLLECT 37 GRAB SUPERNATE AND SLUDGE SAMPLES FRO	DOE-RL T2D-95-138		29SEP95
1.1.1.2.04.06.	RL/DNFSB 1.10 Iss Qtrly Progress Rpts	DOE-RL T2D-95-154		29SEP95
1.1.1.2.04.07.	M-44-01C-SUBMIT DRAFT TWAP UPDATE TO EPA/ECOL	TPA-I T2D-96-100		31MAY96
1.1.1.2.04.07.	M-44-02C SUBMIT TWAP UPDATE TO EPA/ECOL APPR	TPA-I T2D-96-101		30AUG96
1.1.1.2.04.07.	M-44-09 TPA Issue 40 TCRs/TCD INPUT NEW FORECAST	TPA-I T2D-96-102		05NOV98
1.1.1.2.04.07.	M-44-02D SUBMIT TWAP UPDATE TO EPA/ECOL APPR	TPA-I T2D-97-101		28AUG97
1.1.1.2.04.07.	M-44-10 TPA Issue 40 TCRs/TCD INPUT NEW FORECAST	TPA-I T2D-97-102		31JAN02
1.1.1.2.04.07.	M-44-01E SUBMIT DRAFT TWAP UPDATE TO EPA/ECOL	TPA-I T2D-98-100		28MAY98
1.1.1.2.04.07.	M-44-02E SUBMIT TWAP UPDATE TO EPA/ECOL APPR	TPA-I T2D-98-101		28AUG98

A9-5

WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

PAGE NO. 30

1.1.1.2.04 Waste Characterization

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.2.04.07.	M-44-11 TPA Issue 30 TCRs/TCD INPUT NEW FORECAST	TPA-I T2D-98-102		31DEC03
1.1.1.2.04.10.	Complete 16 Auger samples	DOE-RL T2D-98-117		30SEP98
1.1.1.2.04.07.	M-44-02F SUBMIT TWAP UPDATE TO EPA/ECOL APPR	TPA-I T2D-99-100		30AUG99
1.1.1.2.04.07.	M-44-12 TPA Issue 14 TCRs/TCD INPUT NEW FORECAST	TPA-I T2D-99-101		30SEP04
1.1.1.2.04.07.	M-44-01F SUBMIT DRAFT TWAP UPDATE TO EPA/ECOL	TPA-I T2D-99-102		27MAY99
1.1.1.2.04.07.	M-44-00 TPA Issue TCRs FOR 177 TANKS NEW FORECAS	TPA-M T2D-99-103		30SEP04

A9-6

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Complete Vapor Headspace Characterization of All
Ferrocyanide Watch List Tanks

Schedule ID: 4F10A401

WHC-SP-1101
REV. 1

Revision CIN: 2

ADS No.: 1130-0-F

Scheduler: L. A. Yeater

Due Date: 11/30/95

WBS Designator: 1.1.1.02.04.06.01

Milestone Control No.: ~~123~~ 134-96-100

Milestone Level:

☒ TPA M-40-03
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ CONTRACTOR

Deliverable:

☒ REPORT
☒ LETTER
☐ DRAWINGS
☐ Other
(Specify):

Addressed to:

☐ DOE-HQ
☒ DOE-RL
☐ Other
(Specify):

Description of this Commitment:

Consolidate analytical laboratory reports from PNL and ORNL into a summary characterization report for each ferrocyanide tank. At the completion of all tanks in this Watch List category, a letter will be prepared notifying DOE and TPA of completion of this TPA milestone.

Description of What Constitutes Completion of this Commitment:

DOE-RL transmittal of WHC report to the Department of Ecology and EPA by November 30, 1995. The delivery of a characterization report on a tank-by-tank basis as they are characterized and notify DOE by letter completes this TPA milestone.

Acceptance Criteria:

Satisfactory completion of the sampling and characterization of all ferrocyanide tanks constitutes acceptance.

MDS APPROVAL

COMPLETION APPROVAL

T. J. Kelley

WHC Responsible Manager/Date

.. T. Burnum

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

A9-7

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Complete Vapor Headspace Characterization of All
Organic Watch List Tanks

Schedule ID: 4F10A402

WHC-SP-1101
REV. 1

Revision CIN: 2

ADS No.: 1130-0-F

Scheduler: L. A. Yeater

Due Date: 11/30/95

WBS Designator: 1.1.1.02.04.06.01

Milestone Control No.: ~~T24~~
T24-96-101

Milestone Level:

Deliverable:

Addressed to:

☒ TPA M-40-08

☒ REPORT

☐ DOE-HQ

☐ DOE-HQ

☒ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other

☐ DOE-RL

☐ Other

(Specify):

☐ CONTRACTOR

(Specify):

Description of this Commitment:

Consolidate analytical laboratory reports from PNL and ORNL into a summary characterization report for each organic tank. At the completion of all tanks in this Watch List category, a letter will be prepared notifying DOE and TPA of completion of this TPA milestone.

Description of What Constitutes Completion of this Commitment:

DOE-RL transmittal of WHC report to the Department of Ecology and EPA by November 30, 1995. The delivery of a characterization report on a tank-by-tank basis as they are characterized and notify DOE by letter completes this TPA milestone.

Acceptance Criteria:

Satisfactory completion of the sampling and characterization of all organic tanks constitutes acceptance.

MDS APPROVAL

COMPLETION APPROVAL

T. J. Kelley

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

S. T. Burnum

JE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Issue DNFSB Quarterly Progress Reports

Schedule ID: 4F10A42D

**WHC-SP-1101
REV. 1**

Revision CIN:

ADS No.: 1130-0-F

WBS Designator: 1.1.1.02.04.06.01

Scheduler: L. A. Yeater

Milestone Control No.: T24-96-134

Due Date: 7/12/96

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☒ REPORT

☐ DOE-HQ

☒ DOE-HQ 93-5, 1.10

☒ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other

☐ DOE-RL

☐ Other
(Specify):

(Specify):

☐ CONTRACTOR

Description of this Commitment:

Provide to DOE, quarterly progress reports on Defense Nuclear Facility Safety Board (DNFSB) 93-5 progress. One quarterly report will be sent to the DOE-RL no later than the 10th working day after the end of each quarter. Additional copies will be forwarded to individuals identified for distribution. General outline of the document will include sections on quarterly highlights, DNFSB commitments completed, issues or concerns and progress made during the reporting period.

Description of What Constitutes Completion of this Commitment:

A total of four reports will be issued as scheduled: 10/13/95, 1/12/96, 4/12/96, 7/12/96

Acceptance Criteria:

The quarterly progress report will provide status on the progress of DNFSB 93-5 implementation plan task activities, identify quarterly highlights, describe characterization issues and concerns, include a tank characterization plan schedule, include characterization program schedules, include integrated sampling schedules, provide a data quality objective status, and include an analytical services schedule.

MDS APPROVAL

COMPLETION APPROVAL

T. J. Kelley

Date Milestone Was Completed

IC Responsible Manager/Date

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

DOE Manager/Date

A9-9

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Issue FY96 Characterization Program ADS

Schedule ID: 4F20A22A

**WHC-SP-1101
REV. 1**

Revision CIN:

ADS No.: 1130-0-F

WBS Designator: 1.1.1.02.04.06.02

Scheduler: L. A. Yeater

Milestone Control No.: T24-96-136

Due Date: 4/15/96

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☐ REPORT

☐ DOE-HQ

☐ DOE-HQ

☐ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other

☒ DOE-RL

☒ Other ADS

(Specify):

☐ CONTRACTOR

(Specify): Document

Description of this Commitment:

For the purpose of the development and preparation of the ADSs (five-year plan) and building blocks, Hanford Site priorities as defined by Mr. J. D. Wagoner, RL in 1992 will be utilized. Items considered in the development of the ADS will consist of three cases: (1) Planning Case - also referred to as the compliance case, represents a program planning baseline that includes all legal requirements; (2) Target Case - represents a comprehensive EM program based on the Waste Management/Facility Transition Baseline Update exercise, the OMB budget mark, and out year budget constraints. These activities reflect those that can be performed at the constrained budget level with a focus on completing high priority safety and compliance activities; and (3) Decrement Case - developed for one year only, consisting of a reduction to the target level funding. Prioritization of workscope will be completed internally in accordance with the priority planning grid.

Description of What Constitutes Completion of this Commitment:

Submittal of the ADS document to DOE-RL for approval

Acceptance Criteria:

Submittal of the ADS document to DOE-RL for approval

MDS APPROVAL

COMPLETION APPROVAL

G. A. Hanson

AC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

A9-10

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Issue FY96 Characterization Program Multi-Year
Program Plan Document

Schedule ID: 4F20A21A

WHC-SP-1101
REV. 1

Revision CIN:

ADS No.: 1130-0-F

WBS Designator: 1.1.1.02.04.06.02

Scheduler: L.A. Yeater

Milestone Control No.: T24-96-138

Due Date: 8/31/96

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☒ REPORT

☐ DOE-HQ

☐ DOE-HQ

☐ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other

☒ DOE-RL

☐ Other

(Specify):

☐ CONTRACTOR

(Specify):

Description of this Commitment:

The Multi-Year Program Plan (MYPP) document will include initial agreement from the DOE-RL on work scope for the planned fiscal years. The MYPP defines significant goals, end points, and conditions to be achieved in accomplishing the Characterization Program objectives. This includes a summary of general and specific objectives/deliverables and activities that must occur to support the program mission. This will provide an overview of the items that are contained in the program schedules. The MYPP will include activities that lay out a plan for definition of end objectives and requirements via technical logic, supporting schedules, and cost estimates. The MYPP will develop work plans and formulate resource-loaded schedules and budgets and incorporate into a MYPP document that covers fiscal years 1997, 1998, and 1999 for the Characterization Program. MYPP documentation will include Work Breakdown Structure dictionaries, milestone description sheets, estimating worksheets, resource-loaded schedules, and other pertinent data as required.

Description of What Constitutes Completion of this Commitment:

Submittal of the MYPP document to DOE-RL for approval

Acceptance Criteria:

Submittal of the MYPP document to DOE-RL for approval

MDS APPROVAL

COMPLETION APPROVAL

G. A. Hanson

Date Milestone Was Completed

IC Responsible Manager/Date

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

DOE Manager/Date

A9-11

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Submit a Revision to the DNFSB 93-5 Implementation Plan

Schedule ID: 4F10A421

**WHC-SP-1101
REV. 1**

Revision CIN:

ADS No.: 1130-0-F

Scheduler: L. A. Yeater

Due Date: 2/29/96

WBS Designator: 1.1.1.02.04.06.01

Milestone Control No.: T24-96-142

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☒ REPORT

☐ DOE-HQ

☐ DOE-HQ

☒ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other

☒ DOE-RL

☐ Other

(Specify):

☐ CONTRACTOR

(Specify):

Description of this Commitment:

The Characterization Program will submit a revision to the DNFSB 93-5 Implementation Plan, per Recommendation 93-5 Implementation Plan DOE/RL 94-0001, commitment 7.1: Substantive changes in a Department commitment or commitment completion date will be formally submitted. The implementation plan will be revised and resubmitted as appropriate.

Description of What Constitutes Completion of this Commitment:

Transmittal of the revised DNFSB 93-5 Implementation Plan to DOE-RL

Acceptance Criteria:

Transmittal of the revised DNFSB 93-5 Implementation Plan to DOE-RL

MDS APPROVAL

COMPLETION APPROVAL

T. J. Kelley

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

DOE Manager/Date

A9-12

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Issue 21 Tank Characterization Reports in Accordance with the TWAP/TCPs. Complete Input of Characterization information for 21 HLW Tanks to Electronic Database(s)

Schedule ID: 4G412 7905

WHC-SP-1101
REV. 1

Revision CIN: 0

ADS No.: 1130-0-G

Scheduler: J. R. Burgess

Due Date: 9/30/96

WBS Designator: 1.1.1.02.04.07.04

Milestone Control No.: T24-96-144

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☐ REPORT

☐ DOE-HQ

☐ DOE-HQ

☒ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other

☒ DOE-RL

☐ Other

(Specify):

☐ CONTRACTOR

(Specify):

Description of this Commitment:

Generate and issue 21 Tank Characterization Reports (TCRs) (in accordance with the TWAP/TCPs).

Description of What Constitutes Completion of this Commitment:

These TCRs will integrate tank waste historical data with tank waste analytical data. Update previously issued TCRs as necessary to incorporate new information. TCRs will be cleared for public release.

Acceptance Criteria:

1) The Tank Characterization Reports must include both the relevant historical data and the information obtained by the characterization effort in accordance with the TWAP/TCPs. The TCRs will be similar in content and format (revised as new information is made available) to that prepared for tank 241-AY-102 and issued as supporting documents. One copy of each TCR will be transmitted to RL for formal submittal to Ecology. All other internal and external distribution of the TCRs will be performed by the Characterization Program.

2) Characterization data for all 21 tanks must be accessible by onsite and offsite stakeholders through the Tank Characterization Database.

MDS APPROVAL

COMPLETION APPROVAL

J. G. Kristofzski

HC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A9-13

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Update Tank Characterization Basis

Schedule ID: 4G60A14A

WHC-SP-1101
REV. 1

Revision CIN: 0

ADS No.: 1130-0-G

Scheduler: J. R. Burgess

Due Date: 9/30/96

WBS Designator: 1.1.1.02.04.07.06

Milestone Control No.: T24-96-146

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☐ REPORT

☐ DOE-HQ

☐ DOE-HQ

☒ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other
(Specify):

☒ DOE-RL

☐ Other

☐ CONTRACTOR

(Specify):

Description of this Commitment:

The Tank Characterization Basis document annual update will incorporate the most recent TWRS programmatic strategy evolutions in support of safe storage, treatment and disposal of TWRS waste. The technical basis to date for performing characterization will be defined in detail, with all supporting information documented in the technical basis document.

Description of What Constitutes Completion of this Commitment:

The technical basis for performing characterization will be described with reference to all sources of information (historical, sample analysis, monitoring, modeling, etc.). Improvements to the technical basis since the last release of the document will be described in detail. The technical basis document includes details of the plans for ongoing improvement of the technical basis. Methods for increasing confidence in each element of the basis (as outlined in the strategy) will be covered in the technical basis document. The document will summarize the effort to date in establishing the basis and areas where significant uncertainty still exists. The technical basis will be established with reference to safety and disposal drivers. The technical basis will be reissued annually as the TWRS system engineering basis evolves. This document will become the backbone for the annual Tank Waste Analysis Plan.

Acceptance Criteria:

The Technical Basis document shall include integration of information needs to identify safety issues, historical/modeling confirmation needs and a priority list of tanks to be sampled supporting the integrated needs. The document shall describe the issues requiring information, the process for prioritizing waste tanks to obtain that information and the plans to obtain that information from each tank. The Data Quality Objectives process will be used to develop the information needs including the following issues: Screening, Ferrocyanide, Criticality, Organic Solvents, Evaluation, Flammable Gases, and Noxious Vapors. The Technical Constraints on the prioritization of tanks will include previous tank samples, number of available risers, volume type and depth of waste. Application of Operational controls will address constraints based on equipment and staff allocation, tank accessibility competing tank operations and Lab capacity.

MDS APPROVAL

COMPLETION APPROVAL

S. J. Eberlein

Date Milestone Was Completed

IC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A9-14

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Update Historical Tank Contents Estimate Reports for All Quadrants Schedule ID: 4G60C12A WHC-SP-1101
Revision CIN: 0 REV. 1

WBS Designator: 1.1.1.02.04.07.06

ADS No.: 1130-0-G

Scheduler: J. R. Burgess

Milestone Control No.: T24-96-147

Due Date: 9/30/96

Milestone Level:

Deliverable:

Addressed to:

☐ TPA	☐ REPORT	☐ DOE-HQ
☐ DOE-HQ	☒ LETTER	☒ DOE-RL
☐ DOE-FO	☐ DRAWINGS	☐ Other
☒ DOE-RL	☐ Other	(Specify):
☐ CONTRACTOR	(Specify):	

Description of this Commitment:

Update the existing four Historical Tank Contents Estimate reports, one for each quadrant (group of tank farms). Specifically add organic source term data, including new information available in process history, waste transfer, physical and chemical characterization data.

Development of the Supernatant Mixing Model for tracking Hanford Waste supernatants now permits performance of historical waste tracking from plant output to the waste tank. The computer model was developed and refined for the DSTs and is now available to analyze the SSTs with the model. A report will be completed that will specify the source and amount of complexants from cesium recovery, strontium recovery, other B-Plant operations, and DBP/butanol from solvent extraction processes. The result will be a report delivered 1/31/96 describing the Mmol carbon inventory per tank, as well as original kgal waste per tank for EDTA, HEDTA, citrate, glycolate, DBP, and butanol.

Description of What Constitutes Completion of this Commitment:

Submittal by transmittal letter following review and approval by WHC management.

Acceptance Criteria:

The updated HTCE model will incorporate organic and other updated information for all tanks. The updated HTCE shall be entered into the online Tank Characterization Database.

MDS APPROVAL

COMPLETION APPROVAL

S. J. Eberlein

Date Milestone Was Completed

IC Responsible Manager/Date

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

DOE Manager/Date

A9-15

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Issue Organic Source Terms Report for Single-Shell
Tanks (LANL)

Schedule ID: 4G60B16A

Revision CIN: 0

WHC-SP-1101
REV. 1

ADS No.: 1130-0-G

Scheduler: J. R. Burgess

Due Date: 3/30/96

WBS Designator: 1.1.1.02.04.07.06

Milestone Control No.: T24-96-151

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☐ REPORT

☐ DOE-HQ

☐ DOE-HQ

☒ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other

☒ DOE-RL

☐ Other

(Specify):

☐ CONTRACTOR

(Specify):

Description of this Commitment:

Issue a report specifying the source and amount of complexants from cesium recovery, strontium recovery, other B-Plant operations and DBP/butanol from solvent extraction processes. A description of the carbon inventory per tank, original Kgal waste per tank for EDTA, HEDTA, citrate, glycolate, DBP and butanol.

Description of What Constitutes Completion of this Commitment:

Submit a draft report by 1/31/96 to WHC for review and comment. Deliver the final report to WHC by 3/15/96. Submittal by transmittal letter following review and approval by WHC management.

Acceptance Criteria:

Development of the Supernatant Mixing Model for tracking Hanford Waste supernatants now permits performance of historical waste tracking from plant output to the waste tank. The computer model was developed and refined for the DSTs and is now available to analyze the SSTs with the model. A report will be completed that will specify the source and amount of complexants from cesium recovery, strontium recovery, other B-Plant operations, and DBP/butanol from solvent extraction processes. The result will be a report delivered 1/31/96 describing the Mmol carbon inventory per tank, as well as original kgal waste per tank for EDTA, HEDTA, citrate, glycolate, DBP, and butanol.

Create a validation document for organic tracking. This will involve accumulation of reports and logbooks for 242-S, 242-T (1970 campaign) and 242-A operations. Identify the location of organic residues.

MDS APPROVAL

COMPLETION APPROVAL

S J Eberlein

Date Milestone Was Completed

HC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A9-16

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

Design, Fabricate, and Test a 35-Ton Cone Penetrometer
to Measure Physical Properties, Layering, and Moisture

Schedule ID: 4H4A402

WHC-SP-1101
REV. 1

Revision CIN: 0

ADS No.: 1130-0-H

Scheduler: L. A. Yeater

Due Date: 9/30/96

WBS Designator: 1.1.1.02.04.08.04

Milestone Control No.: T24-96-164

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ CONTRACTOR

Deliverable:

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ Other
(Specify):

Addressed to:

☐ DOE-HQ
☒ DOE-RL
☐ Other
(Specify):

Description of this Commitment:

Design, fabricate, and test a 35-ton skid mounted Cone Penetrometer to measure physical properties, layering, and waste moisture.

Description of What Constitutes Completion of this Commitment:

Complete the design, fabrication, and acceptance testing for a 35-ton Cone Penetrometer.

Acceptance Criteria:

Issue a test report and corresponding ATP.

MDS APPROVAL

COMPLETION APPROVAL

E. Raymond

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

A9-17

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

: Complete 45 Rotary Mode Core Samples

Schedule ID: 4J2 15405

WHC-SP-1101
REV. 1

Revision CIN: 0

ADS No.: 1130-0-J

Scheduler: L. J. Saldana

Due Date: 9/30/96

WBS Designator: 1.1.1.02.04.10.02

Milestone Control No.: T24-96-166

Milestone Level:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-FO
[X] DOE-RL
[] CONTRACTOR

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description of this Commitment:

High level tank waste core samples will be collected using the Rotary Mode Core Sampling System.
On average 3 core samples will be collected per tank resulting in approximately 15 tanks sampled per this commitment.

Description of What Constitutes Completion of this Commitment:

Forty-five (45) Rotary core samples retrieved in accordance with an approved (WHC) Tank Characterization Plan.

Acceptance Criteria:

Relinquishment of all required waste samples to the laboratory via a transportation chain of custody document constitutes completion of the sampling commitment.

MDS APPROVAL

COMPLETION APPROVAL

G. Burton

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

A9-18

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Complete 12 Push Mode Core Samples

Schedule ID: 4J3 6403

**WHC-SP-1101
REV. 1**

Revision CIN: 0

ADS No.: 1130-0-J

WBS Designator: 1.1.1.02.04.10.03

Scheduler: L. J. Saldana

Milestone Control No.: T24-96-167

Due Date: 9/30/96

Milestone Level:

Deliverable:

Addressed to:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ CONTRACTOR

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ Other
(Specify):

☐ DOE-HQ
☒ DOE-RL
☐ Other
(Specify):

Description of this Commitment:

High level tank waste core samples will be collected using the Push Mode Core Sampling System. On average 2 core samples will be collected per tank, resulting in approximately 6 tanks sampled per this commitment.

Description of What Constitutes Completion of this Commitment:

Twelve (12) Push mode core samples retrieved in accordance with an approved (WHC) Tank Characterization Plan.

Acceptance Criteria:

Relinquishment of all required waste samples to the laboratory via a transportation chain of custody document constitutes completion of the sampling commitment.

MDS APPROVAL

COMPLETION APPROVAL

J. G. Burton

AC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

A9-19

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

Title: Complete 48 Vapor Samples

Schedule ID: 4J6 48403

WHC-SP-1101
REV. 1

Revision CIN: 0

ADS No.: 1130-0-J

WBS Designator: 1.1.1.02.04.10.06

Scheduler: L. J. Saldana

Milestone Control No.: T24-96-168

Due Date: 9/30/96

Milestone Level:

Deliverable:

Addressed to:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ CONTRACTOR

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ Other
(Specify):

☐ DOE-HQ
☒ DOE-RL
☐ Other
(Specify):

Description of this Commitment:

High level waste tank dome spaces will be vapor sampled in support of vapor safety issue resolutions and core sampling activities as required by DQOs and TCPs, and in accordance with exhauster regulatory requirements, as a prerequisite to core sampling when necessary.

Description of What Constitutes Completion of this Commitment:

Forty-eight (48) vapor samples retrieved in accordance with an approved (WHC) Tank Characterization Plan.

Acceptance Criteria:

Relinquishment of all required waste samples to the laboratory via a transportation chain of custody document constitutes completion of the sampling commitment.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

7. Burton

WHC Responsible Manager/Date

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

DOE Manager/Date

A9-20

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

Title: Complete 30 Grab Samples

Schedule ID: 4J4 30403

WHC-SP-1101
REV. 1

Revision CIN: 0

ADS No.: 1130-0-J

WBS Designator: 1.1.1.02.04.10.04

Scheduler: L. J. Saldana

Milestone Control No.: T24-96-169

Due Date: 9/30/96

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☐ REPORT

☐ DOE-HQ

☐ DOE-HQ

☒ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other
(Specify):

☒ DOE-RL

☐ Other

☐ CONTRACTOR

(Specify):

Description of this Commitment:

High level tank waste supernate and light sludge will be collected using the Grab sampling method. Samples will be collected in support of characterization, process, compatibility issues in addition to RCRA campaign sampling. Grab samples will be gathered from 30 tanks.

Description of What Constitutes Completion of this Commitment:

Thirty (30) Grab samples retrieved in accordance with a approved (WHC) Tank Characterization Plan.

Acceptance Criteria:

Relinquishment of all required waste samples to the laboratory via transportation chain of custody document constitutes completion of the sampling commitment.

MDS APPROVAL

COMPLETION APPROVAL

J. G. Burton

AC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

A9-21

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

Title: Complete 16 Auger Core Samples

Schedule ID: 4J5 6405

WHC-SP-1101
REV. 1

Revision CIN: 0

ADS No.: 1130-0-J

WBS Designator: 1.1.1.02.04.10.05

Scheduler: L. J. Saldana

Milestone Control No.: T24-96-170

Due Date: 9/30/96

Milestone Level:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-FO
[X] DOE-RL
[] CONTRACTOR

[] REPORT
[X] LETTER
[] DRAWINGS
[] Other
(Specify):

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description of this Commitment:

High level tank waste surface samples will be collected using an auger sampling system. On average 3 Auger samples will be collected per tank, resulting in approximately 6 tanks sampled per this commitment.

Description of What Constitutes Completion of this Commitment:

Sixteen (16) Auger core samples retrieved in accordance with a approved (WHC) Tank Characterization Plan.

Acceptance Criteria:

Relinquishment of all required waste samples to the laboratory via a transportation chain of custody document constitutes completion of the sampling commitment.

MDS APPROVAL

COMPLETION APPROVAL

J. G. Burton

IC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

A9-22

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Issue Test Plan and Evaluation Report Sample Exchange
Program (SEE Phase IV)

Schedule ID: 4K1B1M

Revision CIN: 0

WHC-SP-1101

REV. 1

ADS No.: 1130-0-K

WBS Designator: 1.1.1.02.04.11.01

Scheduler: P. R. Seipt.

Milestone Control No.: T24-96-173

Due Date: 8/30/96

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☒ REPORT

☐ DOE-HQ

☐ DOE-HQ

☐ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☒ Other
(Specify):

☒ DOE-RL

☐ Other

Tank Characterization Program Office

☐ CONTRACTOR

(Specify):

Description of this Commitment:

The Sample Exchange and Evaluation (SEE) Program subactivity is under the "Manage Sample Analysis" activity cost account. This program provides a method of comparison and performance evaluation tool between participating laboratories. Phases for the SEE are established by test plans which describe the specific phase objectives and provide guidance for evaluation criteria. Materials will be prepared and analyzed by 222-S and PNL 325 for comparison of results. The test plans are established as contractor key milestones and issuance of the reports for each specific phase are established as RL milestones. The report will be submitted to RL, Tank Waste Characterization Program Office, Analytical Chemistry Laboratory (ACL), Analytical Services and any other participating laboratories.

Description of What Constitutes Completion of this Commitment:

A final report will be prepared on the completion of the test phase of the SEE program and will be provided to Program Management.

Deliverables:

Issue SEE Program Test Plan

12/29/95

Complete/Issue SEE Program Phase report

8/30/96

Acceptance Criteria:

Scientific principle and data is reviewed by statistical analysis. Corrective action is determined on a graded approach.

MDS APPROVAL

COMPLETION APPROVAL

A. G. King

Date Milestone Was Completed

IC Responsible Manager/Date

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

DOE Manager/Date

A9-23

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Issue 21 Laboratory Data and 7 Laboratory Analysis Reports for Rotary Mode Samples per Tank Characterization Plan (TCP) Requirements.

Schedule ID: 4K2M1

Revision CIN: 0

WHC-SP-1101
REV. 1

ADS No.: 1130-0-K

Scheduler: P. R. Seipt.

Due Date: ~~9/30/96~~ 9/9/96

WBS Designator: 1.1.1.02.04.11.02

Milestone Control No.: T24-96-175

Milestone Level:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-FO
[X] DOE-RL
[] CONTRACTOR

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other
(Specify):

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description of this Commitment:

The laboratory will receive, extrude, prepare and analyze samples and generate laboratory data/laboratory analysis reports which contain the results of analyses required by the applicable DQOs identified in the tank specific TCP/SAP for sample events. The number of data reports to be issued in FY96 will be based on the latest revisions of the Tank Waste Characterization Sampling Schedule and the companion Laboratory Analytical Equivalency Unit Schedule. Both schedules are based on a five AEU per month average for production in the 222-S Laboratory. Changes in sampling schedules can affect the laboratory's ability to perform and meet this milestone.

Description of What Constitutes Completion of this Commitment:

Transmit laboratory data and analysis reports completed in FY 1996 from the 222-S to the TWRS Characterization Project and to the Program Element represented by the DQO/TCP/SAP containing analytical results for Rotary Mode sample events completed with all rotary samples received in the laboratory by 8/16/96 for 45 day reports, by 8/2/96 for 60 day reports, and by 3/20/96 for 105 day reports. The completion date of a report is the official release date stamped on the document by WHC Configuration Control. These reports will be available for the general public.

The laboratory will submit laboratory data packages, configured as WHC supporting documents, to the TWRS Characterization Program and DOE-RL documenting the results of analyses performed on disposal DQOs in support of Tank Characterization Reports required by Tri-Party Agreement milestone M-44.

The TWRS Characterization Program will issue a letter to RL documenting completion of this milestone for laboratory data and laboratory analysis reports completed in FY96. (09/30/96)

Acceptance Criteria:

The analytical results will comply with the criteria as identified in TCPs and the Hanford Analytical Services Quality Assurance Plans.

MDS APPROVAL

COMPLETION APPROVAL

A. G. King

Date Milestone Was Completed

IC Responsible Manager/Date

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

DOE Manager/Date

A9-24

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Issue 8 Laboratory Data and 5 Laboratory Analysis Reports for Push Mode Samples Per Tank Characterization Plan (TCP) Requirements.

Schedule ID: 4K3M1

WHC-SP-1101
REV. 1

Revision CIN: 0

ADS No.: 1130-0-K

WBS Designator: 1.1.1.02.04.11.03

Scheduler: P. R. Seipt.

Milestone Control No.: T24-96-176

Due Date: 9/30/96

Milestone Level:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-FO
[X] DOE-RL
[] CONTRACTOR

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other
(Specify):

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description of this Commitment:

The laboratory will receive, extrude, prepare and analyze samples and generate laboratory data/laboratory analysis reports which contain the results of analyses required by the applicable DQOs identified in the tank specific TCP/SAP for sample events. The number of data reports to be issued in FY96 will be based on the latest revision of the Tank Waste Characterization Sampling Schedule and the companion Laboratory Analytical Equivalency Unit Schedule. Both schedules are based on a five AEU per month average for production in the 222-S Laboratory. Changes in sampling schedule can affect the laboratory's ability to perform and meet this milestone.

Description of What Constitutes Completion of this Commitment:

Transmit data and laboratory analysis reports completed in FY 1996 from the 222-S to the TWRS Characterization Project and to the Program Element represented by the DQO/TCP/SAP containing analytical results for Push Mode sample events completed with all push samples received in the laboratory by 8/16/96 for 45 day report, by 8/2/96 for 60 day report, and by 3/20/96 for 105 day reports. The completion date of a report is the official release date stamped on the document by WHC Configuration Control. These reports will be available for the general public.

The laboratory will submit laboratory data packages, configured as WHC supporting documents, to the TWRS Characterization Program and DOE-RL documenting the results of analyses performed on disposal DQOs in support of Tank Characterization Reports required by Tri-Party Agreement milestone M-44.

The TWRS Characterization Program will issue a letter to RL documenting completion of this milestone for laboratory data and laboratory analysis reports completed in FY96.(9/30/96)

Acceptance Criteria:

The analytical results will comply with the criteria as identified in TCPs and Hanford Analytical Services Quality Assurance Plans.

MDS APPROVAL

COMPLETION APPROVAL

A. G. King

AC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

A9-25

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

:: Issue 19 Laboratory Data and 3 Laboratory Analysis Reports for Grab Mode Samples Per Tank Characterization Plan (TCP) Requirements.

Schedule ID: 4K4M1

WHC-SP-1101

Revision CIN: 0

REV. 1

ADS No.: 1130-0-K

Scheduler: P. R. Seipt

Due Date: 9/30/96

WBS Designator: 1.1.1.02.04.11.04

Milestone Control No.: T24-96-177

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☒ REPORT

☐ DOE-HQ

☐ DOE-HQ

☐ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other
(Specify):

☒ DOE-RL

☐ Other
(Specify):

☐ CONTRACTOR

Description of this Commitment:

The laboratory will receive, prepare and analyze samples and generate laboratory data and laboratory analysis reports which contain the results of analyses required by the applicable DQOs identified in the tank specific TCP/SAP for sample events. The number of data reports to be issued in FY96 will be based on the latest revision of the Tank Waste Characterization Sampling Schedule and the companion Laboratory Analytical Equivalency Unit Schedule. Both schedules are based on a five AEU per month average for production in the 222-S Laboratory. Changes in sampling schedules can affect the laboratory's ability to perform and meet this milestone.

Description of What Constitutes Completion of this Commitment:

Transmit laboratory data and final analysis reports completed in FY 1996 from the 222-S to the TWRS Characterization Project and to the Program Element represented by the DQO/TCP/SAP containing analytical results for Grab Mode sample events completed with all grab mode samples received in the laboratory by 8/16/96 for 45 day reports, by 8/2/96 for 60 day reports, and by 5/17/96 for 136 day reports. The completion date of a report is the official release date stamped on the document by WHC Configuration Control. These reports will be available for the general public.

The laboratory will submit laboratory data packages, configured as WHC supporting documents, to the TWRS Characterization Program and DOE-RL documenting the results of analyses performed on disposal DQOs in support of Tank Characterization Reports required by Tri-Party Agreement milestone M-44.

The TWRS Characterization Program will issue a letter to RL documenting completion of this milestone for laboratory data and laboratory analysis reports completed in FY96. (9/30/96)

Acceptance Criteria:

The analytical results will comply with the criteria as identified in TCPs and the Hanford Analytical Services Quality Assurance Plans.

MDS APPROVAL

COMPLETION APPROVAL

A. G. King

Date Milestone Was Completed

AC Responsible Manager/Date

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

DOE Manager/Date

A9-26

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Issue 7 Laboratory Data and 4 Laboratory Analysis
Reports for Auger Mode Samples Per Tank
Characterization Plan (TCP) Requirements.

Schedule ID: 4K5M1

Revision CIN: 0

WHC-SP-1101
REV. 1

ADS No.: 1130-0-K

WBS Designator: 1.1.1.02.04.11.05

Scheduler: P. R. Seipt

Milestone Control No.: T24-96-178

Due Date: 9/30/96

Milestone Level:

Deliverable:

Addressed to:

[] TPA
[] DOE-HQ
[] DOE-FO
[X] DOE-RL
[] CONTRACTOR

[X] REPORT
[] LETTER
[] DRAWINGS
[] Other
(Specify):

[] DOE-HQ
[X] DOE-RL
[] Other
(Specify):

Description of this Commitment:

The laboratory will receive, extrude, prepare and analyze samples and generate laboratory data and laboratory analysis reports which contain the results of analyses required by the applicable DQOs identified in the tank specific TCP/SAP for sample events. The number of data reports to be issued in FY96 will be based on the latest revisions of the Tank Waste Characterization Sampling Schedule and the companion Laboratory Analytical Equivalency Unit Schedule. Both schedules are based on a five AEU per month average for production in the 222-S Laboratory. Changes in sampling schedules can affect the laboratory's ability to perform and meet this milestone.

Description of What Constitutes Completion of this Commitment:

Transmit data and final analysis reports completed in FY 1996 from the 222-S to the TWRS Characterization Project and to the Program Element represented by the DQO/TCP/SAP containing analytical results for Auger Mode sample events completed with all auger samples received in the laboratory by 8/16/96 for 45 day reports, by 7/2/96 for 90 day reports, and by 3/20/96 for 105 day reports. The completion date of a report is the official release date stamped on the document by WHC Configuration Control. These reports will be available for the general public.

The laboratory will submit laboratory data packages, configured as WHC supporting documents, to the TWRS Characterization Program and DOE-RL documenting the results of analyses performed on disposal DQOs in support of Tank Characterization Reports required by Tri-Party Agreement milestone M-44.

The TWRS Characterization Program will issue a letter to RL documenting completion of this milestone for laboratory data and laboratory analysis reports completed in FY96.

Acceptance Criteria:

The analytical results will comply with the criteria as identified in TCPs and Hanford Analytical Services Quality Assurance Plans.

MDS APPROVAL

COMPLETION APPROVAL

A. G. King

IC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

A9-27

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Increase the Cumulative Average Availability for Core Sampling Systems to 75%

Schedule ID: 4H2H402

Revision CIN: 0

WHC-SP-1101
REV. 1

ADS No.: 1130-0-H

WBS Designator: 1.1.1.02.04.08.02

Scheduler: L. A. Yeater

Milestone Control No.: T24-96-199

Due Date: 9/30/96

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☐ REPORT

☐ DOE-HQ

☐ DOE-HQ

☒ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other
(Specify):

☒ DOE-RL

☐ Other
(Specify):

☐ CONTRACTOR

Description of this Commitment:

Provide availability improvement plan, implement modifications, and track availability of systems.

Availability is defined as the fraction of time that the PMCS or RMCS system is "Available" to collect a sample. It is calculated as follows:

T = Maximum amount of time during which sampling could occur.

A = The amount of time the PMCS or RMCS systems are available to sample, as well as the time being moved or set up in preparation. To be available the coring systems must have no outstanding preventative or corrective maintenance issues that would prevent the system from collecting a sample.

N = The amount of time the core sampling systems are "Not Available" due to equipment problems or problems with engineering documentation.

P = The amount of time the core sampling systems are in "Planned Maintenance" and therefore, unable to collect a sample.

Thus, availability is represented by the ratio $A/T = A / (A + N + P)$

Note: There are reasons why the core sampling systems might be available and not sampling, including, but not limited to: weather, facility conditions and lack of personnel resources.

Description of What Constitutes Completion of this Commitment:

Issue letter identifying the average availability of the push and rotary systems over the fiscal year

Acceptance Criteria:

All availability target levels met or exceeded

MDS APPROVAL

COMPLETION APPROVAL

E. Raymond

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

DOE Manager/Date

A9-28

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Increase Waste Sampling Average Recovery Percentages
(Volumetric) to 60% for Rotary Mode Core Sampling

Schedule ID: 4H3G502

**WHC-SP-1101
REV. 1**

Revision CIN: 0

ADS No.: 1130-0-H

Scheduler: L. A. Yeater

Due Date: 9/30/96

WBS Designator: 1.1.1.02.04.08.03

Milestone Control No.: T24-96-200

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☐ REPORT

☐ DOE-HQ

☐ DOE-HQ

☒ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other
(Specify):

☒ DOE-RL

☐ Other

☐ CONTRACTOR

(Specify):

Description of this Commitment:

Increase the waste sampling recovery percentages (volumetric) to 60% for Rotary Mode Core Sampling.

Description of What Constitutes Completion of this Commitment:

Completion of an effectiveness improvement plan, implementation of modifications and testing, and tracking the effectiveness of systems.

The effectiveness of sampling tools associated with the Rotary Mode sampling technique will have been improved. On average, volumetric recovery will increase to 60% for Rotary Mode core sampling on a per segment basis.

Issuance of a letter identifying the average volumetric recovery for Rotary Mode Core Sampling.

Acceptance Criteria:

All average sampling volumetric recoveries shall be as indicated at a minimum; however, the recoveries shall be per the respective data quality objective (DQO) requirements, whichever is greater.

MDS APPROVAL

COMPLETION APPROVAL

R. E. Raymond

AC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

A9-29

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Increase Waste Sampling Average Recovery Percentages
(Volumetric) to 80% for Push Mode Core Sampling

Schedule ID: 4H3G503A

**WHC-SP-1103
REV. 1**

Revision CIN: 0

ADS No.: 1130-0-H

WBS Designator: 1.1.1.02.04.08.03

Scheduler: L. A. Yeater

Milestone Control No.: T24-96-201

Due Date: 9/30/96

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☐ REPORT

☐ DOE-HQ

☐ DOE-HQ

☒ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other
(Specify):

☒ DOE-RL

☐ Other
(Specify):

☐ CONTRACTOR

Description of this Commitment:

Increase the waste sampling recovery percentages (volumetric) to 80% for Push Mode Core Sampling.

Description of What Constitutes Completion of this Commitment:

Completion of an effectiveness improvement plan, implementation of modifications and testing, and tracking the effectiveness of systems.

The effectiveness of sampling tools associated with the Push Mode sampling technique will have been improved. On average, volumetric recovery will increase to 80% for Push Mode core sampling on a per segment basis.

Issuance of a letter identifying the average volumetric recovery for Push Mode Core Sampling.

Acceptance Criteria:

All average sampling volumetric recoveries shall be as indicated at a minimum; however, the recoveries shall be per the respective data quality objective (DQO) requirements, whichever is greater.

MDS APPROVAL

COMPLETION APPROVAL

R. E. Raymond

Date Milestone Was Completed

IC Responsible Manager/Date

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

DOE Manager/Date

A9-30

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

Title: Increase Waste Sampling Average Recovery Percentages
(Volumetric) to 60% for Auger Sampling

Schedule ID: 4H3G503B

WHC-SP-1101

Revision CIN: 0

REV. 1

ADS No.: 1130-0-H

WBS Designator: 1.1.1.02.04.08.03

Scheduler: L. A. Yeater

Milestone Control No.: T24-96-202

Due Date: 9/30/96

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☐ REPORT

☐ DOE-HQ

☐ DOE-HQ

☒ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other
(Specify):

☒ DOE-RL

☐ Other
(Specify):

☐ CONTRACTOR

Description of this Commitment:

Increase the waste sampling recovery percentages (volumetric) to 60% for Auger Sampling.

Description of What Constitutes Completion of this Commitment:

Completion of an effectiveness improvement plan, implementation of modifications and testing, and tracking the effectiveness of systems.

The effectiveness of sampling tools associated with the Auger sampling technique will have been improved. On average, volumetric recovery will increase to 60% for Auger sampling on a per core basis.

Issuance of a letter identifying the average volumetric recovery for Auger Sampling.

Acceptance Criteria:

All average sampling volumetric recoveries shall be as indicated at a minimum; however, the recoveries shall be per the respective data quality objective (DQO) requirements, whichever is greater.

MDS APPROVAL

COMPLETION APPROVAL

R. E. Raymond

Date Milestone Was Completed

IC Responsible Manager/Date

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

DOE Manager/Date

A9-31

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Submit draft Tank Waste Analysis Plan Annual Update to Ecology and EPA for Review (M-44-01D) **Schedule ID:** 4G60B25A **WHC-SP-1107**
Revision CIN: 0 **REV. 1**
ADS No.: 1130-0-G
Scheduler: J. R. Burgess
Due Date: 5/31/97

WBS Designator: 1.1.1.02.04.07.06

Milestone Control No.: T24-
T2D-97-100

Milestone Level:	Deliverable:	Addressed to:
☒ TPA <u>M-44-01D</u>	☒ REPORT	☐ DOE-HQ
☐ DOE-HQ	☐ LETTER	☒ DOE-RL
☐ DOE-FO	☐ DRAWINGS	☐ Other
☐ DOE-RL	☐ Other	(Specify):
☐ CONTRACTOR	(Specify):	

Description of this Commitment:

Prepare and deliver to DOE-RL a draft copy of the annual update to the Tank Waste Analysis Plan (TWAP).

Description of What Constitutes Completion of this Commitment:

Five copies of a preliminary draft TWAP will be submitted RL by 3/24/97 for review. Comments received from RL by 4/21/97 will be incorporated into the draft document. Five copies of the draft TWAP update shall be transmitted to RL on or before 5/15/97 for transmittal to Ecology and EPA.

Acceptance Criteria:

The TWAP will cover safety, retrieval, pretreatment and other processing needs; identify sampling and analysis activities projected for the following year; and describe the Tank Characterization Plans (TCPs) that will be issued during the following year. The TWAP will also identify the following year's Tank Characterizations Reports (TCRs) to be submitted and on what type of data they will be based. The TWAP will specify the contents of these TCRs. The TWAP and TCPs will be developed via a DQO process. An outline of the format and content of the TWAP shall be supplied to DOE-RL by 12/15/96, based on the previous year's format and content and any negotiated revisions. DOE-RL shall advise WHC of any changes to the format and content in writing by 1/31/97 to ensure inclusion of the changes in the draft document.

MDS APPROVAL

COMPLETION APPROVAL

S J. Eberlein

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A9-32

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Issue DNFSB Quarterly Progress Reports

Schedule ID: 4F10A6C

WHC-SP-1101

Revision CIN:

REV. 1

ADS No.: 1130-0-F

WBS Designator: 1.1.1.02.04.06.01

Scheduler: L. A. Yeater

Milestone Control No.: T24-97-115

Due Date: 7/14/97

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☒ REPORT

☐ DOE-HQ

☒ DOE-HQ 93-5, 1.10

☒ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other
(Specify):

☐ DOE-RL

☐ Other
(Specify):

☐ CONTRACTOR

Description of this Commitment:

Provide to DOE, quarterly progress reports on Defense Nuclear Facility Safety Board (DNFSB) 93-5 progress. One quarterly report will be sent to the DOE-RL no later than the 10th working day after the end of each quarter. Additional copies will be forwarded to individuals identified for distribution. General outline of the document will include sections on quarterly highlights, DNFSB commitments completed, issues or concerns and progress made during the reporting period.

Description of What Constitutes Completion of this Commitment:

A total of four reports will be issued as scheduled: 10/14/96, 1/14/97, 4/14/97, 7/14/97

Acceptance Criteria:

The quarterly progress report will provide status on the progress of DNFSB 93-5 implementation plan task activities, identify quarterly highlights, describe characterization issues and concerns, include a tank characterization plan schedule, include characterization program schedules, include integrated sampling schedules, provide a data quality objective status, and include an analytical services schedule.

MDS APPROVAL

COMPLETION APPROVAL

T. J. Kelley

Date Milestone Was Completed

IC Responsible Manager/Date

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

DOE Manager/Date

A9-33

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Issue FY 1997 Characterization Program ADS

Schedule ID: 4F20A4A

**WHC-SP-1101
REV. 1**

Revision CIN:

ADS No.: 1130-0-F

WBS Designator: 1.1.1.02.04.06.02

Scheduler: L. A. Yeater

Milestone Control No.: T24-97-117

Due Date: 4/15/97

Milestone Level:

Deliverable:

Addressed to:

☐ TPA	☐ REPORT	☐ DOE-HQ
☐ DOE-HQ	☐ LETTER	☒ DOE-RL
☐ DOE-FO	☐ DRAWINGS	☐ Other
☒ DOE-RL	☒ Other ADS	(Specify):
☐ CONTRACTOR	(Specify): Document	

Description of this Commitment:

For the purpose of the development and preparation of the ADSs (five-year plan) and building blocks, Hanford Site priorities as defined by Mr. J. D. Wagoner, RL in 1992 will be utilized. Items considered in the development of the ADS will consist of three cases: (1) Planning Case - also referred to as the compliance case, represents a program planning baseline that includes all legal requirements; (2) Target Case - represents a comprehensive EM program based on the Waste Management/Facility Transition Baseline Update exercise, the OMB budget mark, and out year budget constraints. These activities reflect those that can be performed at the constrained budget level with a focus on completing high priority safety and compliance activities; and (3) Decrement Case - developed for one year only, consisting of a reduction to the target level funding. Prioritization of workscope will be completed internally in accordance with the priority planning grid.

Description of What Constitutes Completion of this Commitment:

Submittal of the ADS document to DOE-RL for approval

Acceptance Criteria:

Submittal of the ADS document to DOE-RL for approval

MDS APPROVAL

COMPLETION APPROVAL

G. A. Hanson

IC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

A9-34

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Issue FY97 Characterization Program Multi-Year
Program Plan Document

Schedule ID: 4F20A4C

WHC-SP-1101

Revision CIN:

REV. 1

ADS No.: 1130-0-F

WBS Designator: 1.1.1.02.04.06.02

Scheduler: L. A. Yeater

Milestone Control No.: T24-97-119

Due Date: 8/31/97

Milestone Level:

Deliverable:

Addressed to:

☐ TPA	☒ REPORT	☐ DOE-HQ
☐ DOE-HQ	☐ LETTER	☒ DOE-RL
☐ DOE-FO	☐ DRAWINGS	☐ Other
☒ DOE-RL	☐ Other	(Specify):
☐ CONTRACTOR	(Specify):	

Description of this Commitment:

The Multi-Year Program Plan (MYPP) document will include initial agreement from the DOE-RL on work scope for the planned fiscal years. The MYPP defines significant goals, end points, and conditions to be achieved in accomplishing the Characterization Program objectives. This includes a summary of general and specific objectives/deliverables and activities that must occur to support the program mission. This will provide an overview of the items that are contained in the program schedules. The MYPP will include activities that lay out a plan for definition of end objectives and requirements via technical logic, supporting schedules, and cost estimates. The MYPP will develop work plans and formulate resource-loaded schedules and budgets and incorporate into a MYPP document that covers fiscal years 1998, 1999, and 2000 for the Characterization Program. MYPP documentation will include Work Breakdown Structure dictionaries, milestone description sheets, estimating worksheets, resource-loaded schedules, and other pertinent data as required.

Description of What Constitutes Completion of this Commitment:

Submittal of the MYPP document to DOE-RL for approval

Acceptance Criteria:

Submittal of the MYPP document to DOE-RL for approval

MDS APPROVAL

COMPLETION APPROVAL

G. A. Hanson

Date Milestone Was Completed

IC Responsible Manager/Date

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

DOE Manager/Date

A9-35

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Complete 48 Rotary Mode Core Samples

Schedule ID: 4J2 30404

**WHC-SP-1101
REV. 1**

Revision CIN: 0

ADS No.: 1130-0-J

WBS Designator: 1.1.1.02.04.10.02

Scheduler: L. J. Saldana

Milestone Control No.: T24-97-126

Due Date: 9/30/97

Milestone Level:

Deliverable:

Addressed to:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ CONTRACTOR

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ Other
(Specify):

☐ DOE-HQ
☒ DOE-RL
☐ Other
(Specify):

Description of this Commitment:

High level tank waste core samples will be collected using the Rotary Mode Core Sampling System.
On average 3 core samples will be collected per tank resulting in approximately 15 tanks sampled per this commitment.

Description of What Constitutes Completion of this Commitment:

Forty-eight (48) Rotary mode core samples retrieved in accordance with a approved (WHC) Tank Characterization Plan.

Acceptance Criteria:

Relinquishment of all required waste samples to the laboratory via a transportation chain of custody document constitutes completion of the sampling commitment.

MDS APPROVAL

COMPLETION APPROVAL

J. G. Burton

PIC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

A9-36

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

Title: Complete 48 Vapor Samples

Schedule ID: 4J6 96403

WHC-SP-1101

Revision CIN: 0

REV. 1

ADS No.: 1130-0-J

WBS Designator: 1.1.1.02.04.10.06

Scheduler: L. J. Saldana

Milestone Control No.: T24-97-128

Due Date: 9/30/97

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☐ REPORT

☐ DOE-HQ

☐ DOE-HQ

☒ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other

☒ DOE-RL

☐ Other

(Specify):

☐ CONTRACTOR

(Specify):

Description of this Commitment:

High level waste tank dome spaces will be vapor sampled in support of vapor safety issue resolutions and core sampling activities as required by DQOs and TCPs, and in accordance with exhauster regulatory requirements, as a prerequisite to core sampling when necessary.

Description of What Constitutes Completion of this Commitment:

Forty-eight (48) Vapor samples retrieved in accordance with approved (WHC) Tank Characterization Plan.

Acceptance Criteria:

Relinquishment of all required waste samples to the laboratory via a transportation chain of custody document constitutes completion of the sampling commitment.

MDS APPROVAL

COMPLETION APPROVAL

G. Burton

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

DOE Manager/Date

A9-37

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

Title: Complete 30 Grab Samples

Schedule ID: 4J4 60403

Revision CIN: 0

WHC-SP-1101
REV. 1

ADS No.: 1130-0-J

WBS Designator: 1.1.1.02.04.10.04

Scheduler: L. J. Saldana

Milestone Control No.: T24-97-129

Due Date: 9/30/97

Milestone Level:

Deliverable:

Addressed to:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ CONTRACTOR

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ Other
(Specify):

☐ DOE-HQ
☒ DOE-RL
☐ Other
(Specify):

Description of this Commitment:

High level tank waste supernate and light sludge will be collected using the Grab sampling method. Samples will be collected in support of characterization, process, compatibility issues in addition to RCRA campaign sampling. Grab samples will be gathered from 30 tanks.

Description of What Constitutes Completion of this Commitment:

Thirty (30) Grab samples retrieved in accordance with approved (WHC) Tank Characterization Plan.

Acceptance Criteria:

Relinquishment of all required waste samples to the laboratory via transportation chain of custody document constitutes completion of the sampling commitment.

MDS APPROVAL

COMPLETION APPROVAL

J. G. Burton

IC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

A9-38

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

Title: Complete 16 Auger Core Samples

Schedule ID: 4J5 11405

Revision CIN: 0

WHC-SP-1107
REV. 1

ADS No.: 1130-0-J

WBS Designator: 1.1.1.02.04.10.05

Scheduler: L. J. Saldana

Milestone Control No.: T24-97-130

Due Date: 9/30/97

Milestone Level:

Deliverable:

Addressed to:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ CONTRACTOR

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ Other
(Specify):

☐ DOE-HQ
☒ DOE-RL
☐ Other
(Specify):

Description of this Commitment:

High level tank waste surface samples will be collected using an auger sampling system. On average 3 Auger samples will be collected per tank, resulting in approximately 6 tanks sampled per this commitment.

Description of What Constitutes Completion of this Commitment:

Sixteen (16) Auger samples retrieved in accordance with an approved (WHC) Tank Characterization Plan.

Acceptance Criteria:

Relinquishment of all required waste samples to the laboratory via a transportation chain of custody document constitutes completion of the sampling commitment.

MDS APPROVAL

COMPLETION APPROVAL

J. G. Burton

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

A9-39

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Issue Test Plan and Evaluation Report Sample Exchange
Program (SEE Phase V)

Schedule ID: 4K1B2M

WHC-SP-1101
REV. 1

Revision CIN: 0

ADS No.: 1130-0-K

WBS Designator: 1.1.1.02.04.11.01

Scheduler: P. R. Seipt

Milestone Control No.: T24-97-132

Due Date: 5/31/97

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☒ REPORT

☐ DOE-HQ

☐ DOE-HQ

☐ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☒ Other
(Specify):

☒ DOE-RL

☐ Other
(Specify):

Tank Characterization Program Office

☐ CONTRACTOR

Description of this Commitment:

The Sample Exchange and Evaluation (SEE) Program subactivity is under the "Manage Sample Analysis" activity cost account. This program provides a method of comparison and performance evaluation tool between participating laboratories. Phases for the SEE are established by test plans which describe the specific phase objectives and provide guidance for evaluation criteria. The test plans are established as contractor key milestones and issuance of the reports for each specific phase are established as RL milestones. The report will be submitted to RL, Tank Waste Characterization Program Office, Analytical Chemistry Laboratory (ACL), Analytical Services and any other participating laboratories.

Description of What Constitutes Completion of this Commitment:

A final report will be prepared on the completion of the test phase of the SEE program and will be provided to Program Management.

Deliverables:

Issue SEE Program Test Plan

10/30/96

Complete/Issue SEE Program Phase report

5/31/97

Acceptance Criteria:

Scientific principle and data is reviewed by statistical analysis. Corrective action is determined on a graded approach.

MDS APPROVAL

COMPLETION APPROVAL

A. G. King

AC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

A9-40

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Issue 15 Tank Characterization Reports in Accordance with the TWAP/TCPs. Complete Input of Characterization Information for 15 HLW Tanks to Electronic Database(s)

Schedule ID: 4G42319905 **WHC-SP-1101**
Revision CIN: 0 **REV. 1**

ADS No.: 1130-0-G

WBS Designator: 1.1.1.02.04.07.04

Scheduler: J. R. Burgess

Milestone Control No.: T24-97-139

Due Date: 9/30/97

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☐ REPORT

☐ DOE-HQ

☐ DOE-HQ

☒ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other
(Specify):

☒ DOE-RL

☐ Other
(Specify):

☐ CONTRACTOR

Description of this Commitment:

Generate and issue 15 Tank Characterization Reports (TCRs) (in accordance with the TWAP/TCPs).

Description of What Constitutes Completion of this Commitment:

These TCRs will integrate tank waste historical data with tank waste analytical data. Update previously issued TCRs as necessary to incorporate new information. TCRs will be cleared for public release.

Acceptance Criteria:

1) The Tank Characterization Reports must include both the relevant historical data and the information obtained by the characterization effort in accordance with the TWAP/TCPs. The TCRs will be similar in content and format (revised as new information is made available) to that prepared for tank 241-AY-102 and issued as supporting documents. One copy of each TCR will be transmitted to RL for formal submittal to Ecology. All other internal and external distribution of the TCRs will be performed by the Characterization Program.

2) Characterization data for all 15 tanks must be accessible by onsite and offsite stakeholders through the Tank Characterization Database.

MDS APPROVAL

COMPLETION APPROVAL

G. Kristofzski

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A9-41

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Update Tank Characterization Basis

Schedule ID: 4G60B24A

WHC-SP-1101
REV. 1

Revision CIN: 0

ADS No.: 1130-0-G

Scheduler: J. R. Burgess

Due Date: 9/30/97

WBS Designator: 1.1.1.02.04.07.06

Milestone Control No.: T24-97-141

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☐ REPORT

☐ DOE-HQ

☐ DOE-HQ

☒ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other

☒ DOE-RL

☐ Other

(Specify):

☐ CONTRACTOR

(Specify):

Description of this Commitment:

The Tank Characterization Basis document annual update will incorporate the most recent TWRS programmatic strategy evolutions in support of safe storage, treatment and disposal of TWRS waste. The technical basis to date for performing characterization will be defined in detail, with all supporting information documented in the technical basis document.

Description of What Constitutes Completion of this Commitment:

The technical basis for performing characterization will be described with reference to all sources of information (historical, sample analysis, monitoring, modeling, etc.). Improvements to the technical basis since the last release of the document will be described in detail. The technical basis document includes details of the plans for ongoing improvement of the technical basis. Methods for increasing confidence in each element of the basis (as outlined in the strategy) will be covered in the technical basis document. The document will summarize the effort to date in establishing the basis and areas where significant uncertainty still exists. The technical basis will be established with reference to safety and disposal drivers. The technical basis will be reissued annually as the TWRS system engineering basis evolves. This document will become the backbone for the annual Tank Waste Analysis Plan.

Acceptance Criteria:

The Technical Basis document shall include integration of information needs to identify safety issues, historical/modeling confirmation needs and a priority list of tanks to be sampled supporting the integrated needs. The document shall describe the issues requiring information, the process for prioritizing waste tanks to obtain that information and the plans to obtain that information from each tank. The Data Quality Objectives process will be used to develop the information needs including the following issues: Screening, Ferrocyanide, Criticality, Organic Solvents, Evaluation, Flammable Gases, and Noxious Vapors. The Technical Constraints on the prioritization of tanks will include previous tank samples, number of available risers, volume type and depth of waste. Application of Operational controls will address constraints based on equipment and staff allocation, tank accessibility competing tank operations and Lab capacity.

MDS APPROVAL

COMPLETION APPROVAL

S. J. Eberlein

Date Milestone Was Completed

IC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A9-42

: Increase the Cumulative Average Availability for Core Sampling Systems to 80%

WHC-SP-1101
REV. 1

Due Date: 9/30/97

Milestone Control No.: T24-97-142

[] CONTRACTOR

DOE Manager/Date

A9-43

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

Title: Increase Waste Sampling Average Recovery Percentages
(Volumetric) to 70% for Auger Sampling

Schedule ID: 4H3G504A

WHC-SP-1101
REV. 1

Revision CIN: 0

ADS No.: 1130-0-H

WBS Designator: 1.1.1.02.04.08.03

Scheduler: L. A. Yeater

Milestone Control No.: T24-97-143

Due Date: 9/30/97

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☐ REPORT

☐ DOE-HQ

☐ DOE-HQ

☒ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other
(Specify):

☒ DOE-RL

☐ Other
(Specify):

☐ CONTRACTOR

Description of this Commitment:

Increase the waste sampling recovery percentages (volumetric) to 70% for Auger Sampling.

Description of What Constitutes Completion of this Commitment:

Completion of an effectiveness improvement plan, implementation of modifications and testing, and tracking the effectiveness of systems.

The effectiveness of sampling tools associated with the Auger sampling technique will have been improved. On average, volumetric recovery will increase to 70% for Auger sampling on a per core basis.

Issuance of a letter identifying the average volumetric recovery for Auger Sampling.

Acceptance Criteria:

All average sampling volumetric recoveries shall be as indicated at a minimum; however, the recoveries shall be per the respective data quality objective (DQO) requirements, whichever is greater.

MDS APPROVAL

COMPLETION APPROVAL

R. E. Raymond

Date Milestone Was Completed

MDS Responsible Manager/Date

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

DOE Manager/Date

A9-44

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Increase Waste Sampling Average Recovery Percentages
(Volumetric) to 70% for Rotary Mode Core Sampling

Schedule ID: 4H3G504

**WHC-SP-1101
REV. 1**

Revision CIN: 0

ADS No.: 1130-0-H

WBS Designator: 1.1.1.02.04.08.03

Scheduler: L. A. Yeater

Milestone Control No.: T24-97-144

Due Date: 9/30/97

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☐ REPORT

☐ DOE-HQ

☐ DOE-HQ

☒ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other
(Specify):

☒ DOE-RL

☐ Other
(Specify):

☐ CONTRACTOR

Description of this Commitment:

Increase the waste sampling recovery percentages (volumetric) to 70% for Rotary Mode Core Sampling.

Description of What Constitutes Completion of this Commitment:

Completion of an effectiveness improvement plan, implementation of modifications and testing, and tracking the effectiveness of systems.

The effectiveness of sampling tools associated with the Rotary Mode sampling technique will have been improved. On average, volumetric recovery will increase to 70% for Rotary Mode core sampling on a per segment basis.

Issuance of a letter identifying the average volumetric recovery for Rotary Mode Core Sampling.

Acceptance Criteria:

All average sampling volumetric recoveries shall be as indicated at a minimum; however, the recoveries shall be per the respective data quality objective (DQO) requirements, whichever is greater.

MDS APPROVAL

COMPLETION APPROVAL

R. E. Raymond

Date Milestone Was Completed

MDS Responsible Manager/Date

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

DOE Manager/Date

A9-45

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Increase Waste Sampling Average Recovery Percentages
(Volumetric) to 90% for Push Mode Core Sampling

Schedule ID: 4H3G504B

**WHC-SP-1101
REV. 1**

Revision CIN: 0

ADS No.: 1130-0-H

WBS Designator: 1.1.1.02.04.08.03

Scheduler: L. A. Yeater

Milestone Control No.: T24-97-145

Due Date: 9/30/97

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☐ REPORT

☐ DOE-HQ

☐ DOE-HQ

☒ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other
(Specify):

☒ DOE-RL

☐ Other
(Specify):

☐ CONTRACTOR

Description of this Commitment:

Increase the waste sampling recovery percentages (volumetric) to 90% for Push Mode Core Sampling.

Description of What Constitutes Completion of this Commitment:

Completion of an effectiveness improvement plan, implementation of modifications and testing, and tracking the effectiveness of systems.

The effectiveness of sampling tools associated with the Push Mode sampling technique will have been improved. On average, volumetric recovery will increase to 90% for Push Mode core sampling on a per segment basis.

Issuance of a letter identifying the average volumetric recovery for Push Mode Core Sampling.

Acceptance Criteria:

All average sampling volumetric recoveries shall be as indicated at a minimum; however, the recoveries shall be per the respective data quality objective (DQO) requirements, whichever is greater.

MDS APPROVAL

COMPLETION APPROVAL

R. E. Raymond

Date Milestone Was Completed

IC Responsible Manager/Date

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

DOE Manager/Date

A9-46

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Issue DNFSB Quarterly Progress Reports

Schedule ID: 4F10A8A

WHC-SP-1101
REV. 1

Revision CIN:

ADS No.: 1130-0-F

WBS Designator: 1.1.1.02.04.06.01

Scheduler: L. A. Yeater

Milestone Control No.: T24-98-103

Due Date: ~~7/14/98~~ 7/21/98

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☒ REPORT

☐ DOE-HQ

☒ DOE-HQ 93-5, 1.10

☒ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other

☐ DOE-RL

☐ Other

(Specify):

☐ CONTRACTOR

(Specify):

Description of this Commitment:

Provide to DOE, quarterly progress reports on Defense Nuclear Facility Safety Board (DNFSB) 93-5 progress. One quarterly report will be sent to the DOE-RL no later than the 10th working day after the end of each quarter. Additional copies will be forwarded to individuals identified for distribution. General outline of the document will include sections on quarterly highlights, DNFSB commitments completed, issues or concerns and progress made during the reporting period.

Description of What Constitutes Completion of this Commitment:

A total of four reports will be issued as scheduled: 10/14/97, 1/14/98, 4/14/98, 7/14/98

Acceptance Criteria:

The quarterly progress report will provide status on the progress of DNFSB 93-5 implementation plan task activities, identify quarterly highlights, describe characterization issues and concerns, include a tank characterization plan schedule, include characterization program schedules, include integrated sampling schedules, provide a data quality objective status, and include an analytical services schedule.

MDS APPROVAL

COMPLETION APPROVAL

T. J. Kelley

Date Milestone Was Completed

IC Responsible Manager/Date

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

DOE Manager/Date

A9-47

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Issue FY 1998 Characterization Program ADS

Schedule ID: 4F20A6A

**WHC-SP-1101
REV. 1**

Revision CIN:

ADS No.: 1130-0-F

WBS Designator: 1.1.1.02.04.06.02

Scheduler: L. A. Yeater

Milestone Control No.: T24-98-104

Due Date: 4/15/98

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☐ REPORT

☐ DOE-HQ

☐ DOE-HQ

☐ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other

☒ DOE-RL

☒ Other ADS

(Specify):

☐ CONTRACTOR

(Specify): Document

Description of this Commitment:

For the purpose of the development and preparation of the ADSs (five-year plan) and building blocks, Hanford Site priorities as defined by Mr. J. D. Wagoner, RL in 1992 will be utilized. Items considered in the development of the ADS will consist of three cases: (1) Planning Case - also referred to as the compliance case, represents a program planning baseline that includes all legal requirements; (2) Target Case - represents a comprehensive EM program based on the Waste Management/Facility Transition Baseline Update exercise, the OMB budget mark, and out year budget constraints. These activities reflect those that can be performed at the constrained budget level with a focus on completing high priority safety and compliance activities; and (3) Decrement Case - developed for one year only, consisting of a reduction to the target level funding. Prioritization of workscope will be completed internally in accordance with the priority planning grid.

Description of What Constitutes Completion of this Commitment:

Submittal of the ADS document to DOE-RL for approval

Acceptance Criteria:

Submittal of the ADS document to DOE-RL for approval

MDS APPROVAL

COMPLETION APPROVAL

G. A. Hanson

Date Milestone Was Completed

IC Responsible Manager/Date

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

DOE Manager/Date

A9-48

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Issue FY98 Characterization Program Multi-Year
Program Plan Document

Schedule ID: 4F20A6C

**WHC-SP-1107
REV. 1**

Revision CIN:

ADS No.: 1130-0-F

Scheduler: L. A. Yeater

Due Date: 8/31/98

WBS Designator: 1.1.1.02.04.06.02

Milestone Control No.: T24-98-106

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☒ REPORT

☐ DOE-HQ

☐ DOE-HQ

☐ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other

☒ DOE-RL

☐ Other

(Specify):

☐ CONTRACTOR

(Specify):

Description of this Commitment:

The Multi-Year Program Plan (MYPP) document will include initial agreement from the DOE-RL on work scope for the planned fiscal years. The MYPP defines significant goals, end points, and conditions to be achieved in accomplishing the Characterization Program objectives. This includes a summary of general and specific objectives/deliverables and activities that must occur to support the program mission. This will provide an overview of the items that are contained in the program schedules. The MYPP will include activities that lay out a plan for definition of end objectives and requirements via technical logic, supporting schedules, and cost estimates. The MYPP will document the development of work plans and formulate resource-loaded schedules and budgets and incorporate the information into a MYPP document that covers fiscal years 1999, 2000, and 2001 for the Characterization Program. MYPP documentation will include Work Breakdown Structure dictionaries, milestone description sheets, estimating worksheets, resource-loaded schedules, and other pertinent data as required.

Description of What Constitutes Completion of this Commitment:

Submittal of the MYPP document to DOE-RL for approval

Acceptance Criteria:

Submittal of the MYPP document to DOE-RL for approval

MDS APPROVAL

COMPLETION APPROVAL

G. A. Hanson

Date Milestone Was Completed

IC Responsible Manager/Date

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

DOE Manager/Date

A9-49

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Complete 45 Rotary Mode Core Samples

Schedule ID: 4J2 45403

Revision CIN: 0

**WHC-SP-1101
REV. 1**

ADS No.: 1130-0-J

WBS Designator: 1.1.1.02.04.10.02

Scheduler: L. J. Saldana

Milestone Control No.: T24-98-113

Due Date: 9/30/98

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☐ REPORT

☐ DOE-HQ

☐ DOE-HQ

☒ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other

☒ DOE-RL

☐ Other

(Specify):

☐ CONTRACTOR

(Specify):

Description of this Commitment:

High level tank waste core samples will be collected using the Rotary Mode Core Sampling System. On average 3 core samples will be collected per tank resulting in approximately 15 tanks sampled per this commitment.

Description of What Constitutes Completion of this Commitment:

Forty-five (45) Rotary Mode Core samples retrieved in accordance with an approved (WHC) Tank Characterization Plan.

Acceptance Criteria:

Relinquishment of all required waste samples to the laboratory via a transportation chain of custody document constitutes completion of the sampling commitment.

MDS APPROVAL

COMPLETION APPROVAL

J. G. Burton

MDS Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

A9-50

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Complete 48 Vapor Samples

Schedule ID: 4J6 144403

**WHC-SP-1101
REV. 1**

Revision CIN: 0

ADS No.: 1130-0-J

WBS Designator: 1.1.1.02.04.10.06

Scheduler: L. J. Saldana

Milestone Control No.: T24-98-115

Due Date: 9/30/98

Milestone Level:

Deliverable:

Addressed to:

☐ TPA	☐ REPORT	☐ DOE-HQ
☐ DOE-HQ	☒ LETTER	☒ DOE-RL
☐ DOE-FO	☐ DRAWINGS	☐ Other
☒ DOE-RL	☐ Other	(Specify):
☐ CONTRACTOR	(Specify):	

Description of this Commitment:

High level waste tank dome spaces will be vapor sampled in support of vapor safety issue resolutions and core sampling activities as required by DQOs and TCPs, and in accordance with exhauster regulatory requirements, as a prerequisite to core sampling when necessary.

Description of What Constitutes Completion of this Commitment:

Forty-eight (48) Vapor samples retrieved in accordance with approved (WHC) Tank Characterization Plan.

Acceptance Criteria:

Relinquishment of all required waste samples to the laboratory via a transportation chain of custody document constitutes completion of the sampling commitment.

MDS APPROVAL

COMPLETION APPROVAL

G. Burton

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

A9-51 DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Complete 30 Grab Samples

Schedule ID: 4J4 90403

**WHC-SP-1101
REV. 1**

Revision CIN: 0

ADS No.: 1130-0-J

WBS Designator: 1.1.1.02.04.10.04

Scheduler: L. J. Saldana

Milestone Control No.: T24-98-116

Due Date: 9/30/98

Milestone Level:

Deliverable:

Addressed to:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ CONTRACTOR

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ Other
(Specify):

☐ DOE-HQ
☒ DOE-RL
☐ Other
(Specify):

Description of this Commitment:

High level tank waste supernate and light sludge will be collected using the Grab sampling method. Samples will be collected in support of characterization, process, compatibility issues in addition to RCRA campaign sampling. Grab samples will be gathered from 30 tanks.

Description of What Constitutes Completion of this Commitment:

Thirty (30) Grab samples retrieved in accordance with approved (WHC) Tank Characterization Plan.

Acceptance Criteria:

Relinquishment of all required waste samples to the laboratory via transportation chain of custody document constitutes completion of the sampling commitment.

MDS APPROVAL

COMPLETION APPROVAL

J. G. Burton

MDS Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

A 9-52

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Issue Evaluation Report Sample Exchange Program
(SEE Phase VI)

Schedule ID: 4K1B4M

WHC-SP-1101

Revision CIN: 0

REV. 1

ADS No.: 1130-0-K

WBS Designator: 1.1.1.02.04.11.01

Scheduler: P. R. Seipt

Milestone Control No.: T24-98-119

Due Date: 2/28/98

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☒ REPORT

☐ DOE-HQ

☐ DOE-HQ

☐ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☒ Other
(Specify):

☒ DOE-RL

☐ Other

Tank Characterization Program Office

☐ CONTRACTOR

(Specify):

Description of this Commitment:

The Sample Exchange and Evaluation (SEE) Program subactivity is under the "Manage Sample Analysis" activity cost account. This program provides a method of comparison and performance evaluation tool between participating laboratories. Phases for the SEE are established by test plans which describe the specific phase objectives and provide guidance for evaluation criteria. The test plans are established as contractor key milestones and issuance of the reports for each specific phase are established as RL milestones. The report will be submitted to RL, Tank Waste Characterization Program Office, Analytical Chemistry Laboratory (ACL), Analytical Services and any other participating laboratories.

Description of What Constitutes Completion of this Commitment:

A final report will be prepared on the completion of the test phase of the SEE program and will be provided to Program Management.

Deliverables:

Complete/Issue SEE Program Phase Report

2/28/98

Acceptance Criteria:

Scientific principle and data is reviewed by statistical analysis. Corrective action is determined on a graded approach.

MDS APPROVAL

COMPLETION APPROVAL

A. G. King

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

DOE Manager/Date

A9-53

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Issue 15 Tank Characterization Reports in Accordance with the TWAP/TCPs. Complete Input of Characterization Information for 15 HLW Tanks to Electronic Database(s)

Schedule ID: 4G43 3490A

WHC-SP-1101
REV. 1

Revision CIN: 0

ADS No.: 1130-0-G

WBS Designator: 1.1.1.02.04.07.04

Scheduler: J. R. Burgess

Milestone Control No.: T24-98-122

Due Date: 9/30/98

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☐ REPORT

☐ DOE-HQ

☐ DOE-HQ

☒ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other
(Specify):

☒ DOE-RL

☐ Other
(Specify):

☐ CONTRACTOR

Description of this Commitment:

Generate and issue 15 Tank Characterization Reports (TCRs) (in accordance with the TWAP/TCPs).

Description of What Constitutes Completion of this Commitment:

These TCRs will integrate tank waste historical data with tank waste analytical data. Update previously issued TCRs as necessary to incorporate new information. TCRs will be cleared for public release.

Acceptance Criteria:

1) The Tank Characterization Reports must include both the relevant historical data and the information obtained by the characterization effort in accordance with the TWAP/TCPs. The TCRs will be similar in content and format (revised as new information is made available) to that prepared for tank 241-AY-102 and issued as supporting documents. One copy of each TCR will be transmitted to RL for formal submittal to Ecology. All other internal and external distribution of the TCRs will be performed by the Characterization Program.

2) Characterization data for all 15 tanks must be accessible by onsite and offsite stakeholders through the Tank Characterization Database.

MDS APPROVAL

COMPLETION APPROVAL

G. Kristofzski

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A9-54

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

e: Update Tank Characterization Basis

Schedule ID: 4G60A14C

WHC-SP-1101

Revision CIN: 0

REV. 1

ADS No.: 1130-0-G

WBS Designator: 1.1.1.02.04.07.06

Scheduler: J. R. Burgess

Milestone Control No.: T24-98-124

Due Date: 9/30/98

Milestone Level:

Deliverable:

Addressed to:

☐ TPA

☐ REPORT

☐ DOE-HQ

☐ DOE-HQ

☒ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other
(Specify):

☒ DOE-RL

☐ Other

☐ CONTRACTOR

(Specify):

Description of this Commitment:

The Tank Characterization Basis document annual update will incorporate the most recent TWRS programmatic strategy evolutions in support of safe storage, treatment and disposal of TWRS waste. The technical basis to date for performing characterization will be defined in detail, with all supporting information documented in the technical basis document.

Description of What Constitutes Completion of this Commitment:

The technical basis for performing characterization will be described with reference to all sources of information (historical, sample analysis, monitoring, modeling, etc.). Improvements to the technical basis since the last release of the document will be described in detail. The technical basis document includes details of the plans for ongoing improvement of the technical basis. Methods for increasing confidence in each element of the basis (as outlined in the strategy) will be covered in the technical basis document. The document will summarize the effort to date in establishing the basis and areas where significant uncertainty still exists. The technical basis will be established with reference to safety and disposal drivers. The technical basis will be reissued annually as the TWRS system engineering basis evolves. This document will become the backbone for the annual Tank Waste Analysis Plan.

Acceptance Criteria:

The Technical Basis document shall include integration of information needs to identify safety issues, historical/modeling confirmation needs and a priority list of tanks to be sampled supporting the integrated needs. The document shall describe the issues requiring information, the process for prioritizing waste tanks to obtain that information and the plans to obtain that information from each tank. The Data Quality Objectives process will be used to develop the information needs including the following issues: Screening, Ferrocyanide, Criticality, Organic Solvents, Evaluation, Flammable Gases, and Noxious Vapors. The Technical Constraints on the prioritization of tanks will include previous tank samples, number of available risers, volume type and depth of waste. Application of Operational controls will address constraints based on equipment and staff allocation, tank accessibility competing tank operations and Lab capacity.

MDS APPROVAL

COMPLETION APPROVAL

S. J. Eberlein

Date Milestone Was Completed

HC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A9-55

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Page 1 of 1
Rev. 0
WHC-SP-1101
REV. 1

TITLE: SUBMIT TANK WASTE ANALYSIS PLAN ANNUAL
UPDATE TO ECOLOGY AND EPA FOR APPROVAL
(M-44-02B)

SCHEDULE ID: N4E57B02A
REVISION: 0

TWR-95-101

ASSIGNED TO: Characterization Support
WBS DESIGNATOR: 1.1.1.2.04.05.07

ADS NO: 1130-0-0E

COMPLETION DATE: ~~8/31/95~~

9/29/95

MILESTONE CONTROL NO: T2D-95-101

MILESTONE CLASS:

☒ TPA M-44-02B
☐ DOE-HQ
☐ DOE-RL
☐ CONTRACTOR

DELIVERABLE:

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

ADDRESSED TO:

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:

Prepare and deliver to DOE-RL the final copy of the annual update to the Tank Waste Analysis Plan (TWAP).

Acceptance Criteria

The TWAP will cover safety, retrieval, pretreatment and other processing needs; identify sampling and analysis activities projected for the following year; and describe the Tank Characterization Plans (TCPs) that will be issued during the following year. The TWAP will also identify the following year's Tank Characterizations Reports (TCRs) to be submitted and on what type of data they will be based. The TWAP will specify the contents of these TCRs. The TWAP and TCPs will be developed via a DQO process.

Deliverables: (Describe the specific products or condition)

The final TWAP update shall be based on the draft (M-44-01B), submitted 5/31/95, and shall address comments provided on the draft during the four-week review period between 6/1/95 and 7/1/95. Five copies shall be transmitted to RL by 8/15/95 for transmittal to Ecology and EPA by 8/31/95.

FOR

C. S. Haller Jed Brown 9/19/94
Cost Account Manager Date

S. J. Eberlein 9-19-94
Activity Manager Date

C. DeFigh-Price 9-20-94
Program Element Manager Date

R. E. Gerton
DOE Monitor Date

R. E. Gerton
DOE Manager (acceptance) Date

A9-56
-05-74-

30

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

WHC-SP-1101
REV. 1

TITLE: ISSUE 30 TANK CHARACTERIZATION REPORTS IN ACCORDANCE WITH THE APPROVED TANK CHARACTERIZATION PLANS. COMPLETE INPUT OF CHARACTERIZATION INFORMATION FOR 30 HLW TANKS TO ELECTRONIC DATABASE(S) (M-44-08)

SCHEDULE ID: N4E54A01A
REVISION: 0

TVR-95-101

ASSIGNED TO: Characterization Support
WBS DESIGNATOR: 1.1.1.2.04.05.04

ADS NO: 1130-0-0E
COMPLETION DATE: 9/30/95

MILESTONE CONTROL NO: T2D-95-102

MILESTONE CLASS:	DELIVERABLE:	ADDRESSED TO:
☒ TPA M-44-08	☒ REPORT	☐ DOE-HQ
☐ DOE-HQ	☐ LETTER	☒ DOE-RL
☐ DOE-RL	☐ DRAWINGS	☐ OTHER (SPECIFY)
☐ CONTRACTOR	☐ OTHER (SPECIFY)	

Description and what constitutes completion of this commitment:

Generate and issue 30 Tank Characterization Reports (TCRs) (in accordance with the approved Tank Characterization Plans) in support of TPA milestone M-44-08. These TCRs will integrate tank waste historical data with tank waste analytical data. Update previously issued TCRs as necessary to incorporate new information. TCRs will be cleared for public release.

Acceptance Criteria:

- 1) The Tank Characterization Reports must include both the relevant historical data and the information obtained by the characterization effort in accordance with the approved Tank Characterization Plans. The TCRs will be similar in content and format to that prepared for tank 241-AP-101 and issued as supporting documents. One copy of each TCR will be transmitted to RL for formal submittal to Ecology. All other internal and external distribution of the TCRs will be performed by the Characterization Program.
- 2) Characterization data for all 30 tanks must be accessible by onsite and offsite stakeholders through the Tank Characterization Database.

Deliverables: (Describe the specific products or condition)

- 1) Provide a draft to DOE-RL during review process so RL can perform concurrent review.
- 2) Transmit each new or revised TCR to DOE-RL as it is issued. Provide with each TCR a draft transmittal letter which DOE-RL may use to forward the document to EPA and Ecology.
- 3) Provide a final letter after transmission of all TCRs to DOE-RL, indicating completion of the milestone and the date that each TCR was transmitted.

For

C. S. Haller *John Brown* 9/14/94
Cost Account Manager Date

C. DeFogh-Price 9-20-94
C. DeFogh-Price
Program Element Manager Date

S. J. Eberlein 9-19-94
S. J. Eberlein
Activity Manager Date

R. E. Gerton
DOE Monitor Date

R. E. Gerton
DOE Manager (acceptance) Date

A 9-57
05-95 31

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

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TWR-95-101

TITLE: DNFSB COMMITMENT 1.23, IDENTIFY "BOUNDING
TANKS" FOR DISPOSAL

SCHEDULE ID: N4E52B01A
REVISION: 0

ASSIGNED TO: Data Evaluation and Reporting
WBS DESIGNATOR: 1.1.1.2.04.05.02

ADS NO: 1130-0-0E
COMPLETION DATE: 11/30/94

MILESTONE CONTROL NO: T2D-95-106

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

10/13/95
11/30/94
WHC-SP-1101
REV. 1

☐ TPA
☐ DOE-HQ
☒ DOE-RL DNFSB 1.23
☐ CONTRACTOR

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:

Identify bounding tanks for disposal. Using historical data and recent characterization results, determine how tanks may be grouped due to similarities in physical or chemical properties. Consider waste properties that drive retrieval, pretreatment and processing decisions. Document the primary properties that drive grouping/identification of bounding tanks for each type of need (e.g. retrieval, pretreatment). Provide reference to other documents showing the need to understand the particular parameter in question, or briefly describe logic used to select that parameter as important. Use historical information to identify waste streams likely to exhibit limiting properties for each type of need, and waste streams likely to dominate waste processing due to volume or other considerations. Use similarities in waste stream properties (overall) or in specific bounding parameters to group waste streams and limit the overall number of waste types as far as possible. Identify tanks which may be considered representative of a group or a particular waste stream. Identify tanks which may provide upper bounds of important properties.

Acceptance Criteria:

- 1) The bounding tank report must identify assumptions or incomplete information which may cause the conclusions to change.
- 2) The bounding tank report must list specific tanks, prioritized in terms of overall contribution of information, that may be used to direct characterization efforts.

Deliverables: (Describe the specific products or condition)

A report from the Characterization Program to DOE-RL will document the identification of bounding tanks, and the limiting criteria for each application area (e.g. pretreatment, retrieval). A draft report will be issued for comment by 9/30/95. Comments received by 11/1/95 will be incorporated into the final report. The final report will be transmitted to DOE-RL by 11/16/94 to be forwarded to DNFSB. The final reports will be provided as a WHC document for sponsor limited release.

10/13/95

S. J. Eberlein
Cost Account Manager

9-19-94
Date

C. DeFigh-Price
Program Element Manager

7-20-94
Date

S. J. Eberlein
Activity Manager

9-19-94
Date

R. E. Gerton
DOE Monitor

Date

R. E. Gerton
DOE Manager (acceptance)

Date

A9-58

D5-79 35

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

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RTR-95-101

TITLE: Perform Tank Grouping Analysis

SCHEDULE ID: N4E58A04A
REVISION: 0ASSIGNED TO: Analytic Services Department, PNL
WBS DESIGNATOR: 1.1.1.2.04.05.08ADS NO: 1130-0-OE
COMPLETION DATE: 8/31/95WHC-SP-1101
REV. 1

MILESTONE CONTROL NO: T2D-95-118

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA _____
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY) _____

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY) _____

Description and what constitutes completion of this commitment:

This task will integrate related activities at WHC and LANL in the development of waste tank grouping strategies. Grouping must consider both physical and chemical properties which provide information on the behavior of the waste matrices. Synthesis of the qualitative and quantitative, and physical and chemical information is expected to provide a method with which characterization data can be assessed. Comparisons of tanks with similar predicted contents will determine the validity of tank grouping. A report will be delivered that summarizes and interprets tank grouping models and identifies techniques for applying grouping strategies to optimize sampling and analysis activities. Groups of suspected similar tanks will be evaluated in the report to determine whether this approach more generally applicable estimates of spatial variability or inventory.

Acceptance Criteria:

The report should describe the analysis methods used, key assumptions and an engineering assessment with regards to implementation. Specific recommendations for how the results of this evaluation should be used in the development and optimization of sampling strategies should be provided.

Deliverables: (Describe the specific products or condition)

A letter report will be provided to the Characterization Program for transmittal to DOE-RL summarizing the qualitative and statistical evaluation and findings of the analysis. The report must be provided to the Characterization Program by PNL by 8/24/95. WHC will provide the report to DOE-RL by 8/31/95.

P. J. Mulling 9/21/94 C. DeFigh-Price 9/20/94
 Cost Account Manager Date Program Element Manager Date

S. J. Eberlein 9-19-94 N/A
 Activity Manager Date DOE Monitor Date

N/A
 DOE Manager (acceptance) Date

A9-59
 45-87 43

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

Page 1 of 1

Rev. 0

T2D-95-119

TITLE: Prepare White Paper on Methods for
Using Historical Data

SCHEDULE ID: N4E58A05A
REVISION: 0

ASSIGNED TO: Analytic Services Department, PNL
WBS DESIGNATOR: 1.1.1.2.04.05.08

ADS NO: 1130-0-0E
COMPLETION DATE: 9/28/95

WHC-SP-1101
REV. 1

MILESTONE CONTROL NO: T2D-95-119

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA _____
☐ DOE-HQ
☐ DOE-RL
☒ CONTRACTOR

☐ REPORT
☐ LETTER
☐ DRAWINGS
☒ OTHER (SPECIFY)
White Paper

☐ DOE-HQ
☐ DOE-RL
☒ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:

Develop methods to quantitatively combine historical data, evidence from models, surveillance information, process knowledge, and general physical and chemical principles, with tank sample data to improve the statistical "confidence" in the data and narrowing the domain of decision making. This activity supports development of the technical basis. This process requires some further statistical research and methods development as well as an understanding of the chemical processes in the past. A paper will be developed that documents an evaluation of possible applicable statistical methods including Bayesian methods with the choice of application based on the chemistry. Appropriate methods will be evaluated and developed in FY95 for implementation in FY96. Following preliminary evaluation, the key candidate methods will be selected for further development with real tank waste data. WHC will supply PNL with historical information, model information and analytical data from tank waste. PNL shall provide a preliminary demonstration of key methods applied to one tank by 5/15/95. WHC and DOE-RL shall be invited to this demonstration and shall have the opportunity to review the methods and comment. The results of the demonstration and comments shall be considered in the white paper deliverable.

Acceptance Criteria:

Methods must be applicable to small sample size applications. Potential application of methods must be demonstrated using TWRS specific example. Document must also have an engineering assessment of implementation methods.

Deliverables: (Describe the specific products or condition)

PNL will deliver the white paper to the Characterization program (by 9/21/95) for transmittal to DOE-RL (by 9/28/95) documenting the methods development activities.

P. J. DeWinder 9/21/94
Cost Account Manager Date

S. J. Eberlein 9-19-94
Activity Manager Date

C. DeFigh-Price 9-20-94
Program Element Manager Date

N/A
DOE Monitor Date

N/A
DOE Manager (acceptance) Date

A9-60
D5-88 44

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TWR-95-101
WHC-SP-1101
REV. 1

SCHEDULE ID: N4D43C01A

REVISION: 0

TITLE: TRANSMIT A 45 DAY DATA REPORT FOR ALL
SAMPLING EVENTS BASED ON SAFETY SCREENING DQOs
AS IDENTIFIED IN THE TANK SPECIFIC TANK
CHARACTERIZATION PLANS

ASSIGNED TO: Program Management & Integration

ADS NO: 1130-OD

PROGRAM WBS DESIGNATOR: 1.1.1.2.04.04.03

COMPLETION DATE: 09/30/95

MILESTONE CONTROL NO: T2D-95-122

FDS CODE: 1N4D43

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA☒ Report☐ DOE-HQ☐ DOE-HQ☐ Letter☒ DOE-RL☒ DOE-RL☐ Drawings☐ Other (Specify)☐ Contractor☐ Other (Specify)

Description and what constitutes completion of this commitment:

Transmit from the laboratories to the TWRS Characterization Program letter reports which contain the preliminary results and a short descriptive narrative of the high priority safety screening analyses for samples received at the laboratory by August 15, 1995. These reports will be issued within 45 days of receipt at the laboratory of the last segment from the last core of the tank sample.

Acceptance Criteria:

The analytical results will comply with the criteria as identified in Tank Characterization Plans (TCPs) and Hanford Analytical Services Quality Assurance Plans.

Deliverables:

The laboratory will submit a letter report to the TWRS Characterization Program which is complete for transmittal to DOE-RL documenting the results of high priority screening analyses within 45 days of the receipt of the last segment from the last core at the laboratory.

TWRS Characterization Program will issue a letter to RL documenting completion of this milestone for samples received by August 15, 1995.

The Program Management and Integration will provide a weekly status report to the Activity Manager for Analytical Integration/Characterization Program to identify the following information:

- o All samples submitted by the Characterization Program for characterization as required to meet the 45-day reporting requirement per guidance from the Tank Characterization Plans (TCPs)
- o Identify which laboratories are analyzing the samples (222-S Laboratory, PNL Laboratory)
- o Date of sample received at the laboratory
- o Date of when the 45-day reporting clock was initiated (receipt of last segment from last core to delivery at the laboratory)
- o Current status of 45-day report:
 - 45-day reporting requirement met or exceeded
 - 45-day report requirement not met. If so, provide reasons/justification.
 - 45-day analyses and reporting requirements in progress for those samples still within the 45-day reporting requirement.

A9-61

DS-33 40

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TND 95-101

WHC-SP-1101
REV. 1

A. G. King 9/17/94
Analy. Chem. Lab. Manager: Date:

P. Segall 9/21/94
Cost Account Manager Date:

D. R. Bratzel 9/21/94
Activity Manager: Date:

R. E. Gerton
DOE Manager (acceptance) Date:

M. L. Bell 9.21-94
Analytical Services Manager Date:

C. DeFigh-Price 9-22-94
Program Element Manager: Date:

R. E. Gerton
DOE Monitor: Date:

A9-62.

D5-37 46

WHC-SP-1101
WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TWR-95-101

TITLE: Defense Nuclear Facility Safety Board (DNFSB) commitment 2.3 "Complete Sampling and Analysis of all Watchlist tanks per the Data Quality Objectives" - Analysis Portion Only

ASSIGNED TO: Program Management & Integration

PROGRAM WBS DESIGNATOR: 1.1.1.2.04.04.03

MILESTONE CONTROL NO: T2D-95-123

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA

☒ Report

☐ DOE-HQ

☐ DOE-HQ

☐ Letter

☐ DOE-RL

☒ DOE-RL DNFSB 2.3

☐ Drawings

☒ Other (Specify)

☐ Contractor

☐ Other (Specify)

SCHEDULE ID: N4D43C01B

REVISION: 0
WHC-SP-1101
REV. 1

ADS NO: 1130-OD

COMPLETION DATE: 09/30/95

FDS CODE: 1N4D43

FBD
10/2/95

Description and what constitutes completion of this commitment:

Transmit from the laboratories to the TWRs Characterization Program a letter report which will document the completion of the analysis portion only of the DNFSB commitment "Complete Sampling and Analysis of all Watchlist tanks per the Safety Screening related Data Quality Objectives".

Acceptance Criteria:

The analytical results for Watchlist tanks will comply with the criteria as identified in Tank Characterization Plans (TCPs) and Hanford Analytical Services Quality Assurance Plan (HASQAP).

Deliverables:

Analytical Services will submit a letter report to the TWRs Characterization Program which is complete for transmittal to DOE-RL documenting the completion of the analytical portion of the DNFSB commitment 2.3 "Complete Sampling and Analysis of all Watchlist tanks per the Safety Screening related Data Quality Objectives" for all samples from watchlist tanks that have been received by August 15, 1995 to complete analysis per DQO plan and schedule.

-09/30/95-

The following will be required for completion of DNFSB commitment 2.3 by the Program Management and Integration:

- o Identify all watchlist tanks requiring safety screening analyses
- o Identify primary safety screening analyses required on each of the watchlist tanks
- o Identify for each specific watchlist tank:
 - Watchlist tanks for which the primary screening analytes were within the action limits
 - Watchlist tanks for which the primary screening analytes exceeded the action limits and which required subsequent secondary analytes performed. Identify primary screening action limits and actual primary analyte values for watchlist tanks which exceed the action limits.

A. G. King *A. G. King* 9/22/94
Analy. Chem. Lab. Manager: Date:

P. Segall *P. Segall* 9/1/94
Cost Account Manager: Date:

D. R. Bratze *CD for DRA* 9/22/94
Activity Manager: Date:

R. E. Gerton
DOE Manager (acceptance) Date:

M. L. Bell *M. L. Bell* 9-22-94
Analytical Services Manager: Date:

C. DeFigh-Price *C. DeFigh-Price* 9-22-94
Program Element Manager: Date:

R. E. Gerton
DOE Monitor: Date:

A9-63

D5-35 50

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET
WHC-SP-1101

WHC-SP-1101

SCHEDULE ID: N4D44C01A

TITLE: TRANSMIT A 216 DAY VALIDATED DATA REPORT
FOR ALL SAMPLING EVENTS BASED ON SAFETY
RESOLUTION DQOS AS IDENTIFIED IN THE TANK.
SPECIFIC TANK CHARACTERIZATION PLANS

REVISION: 0

TWR-95-101

ASSIGNED TO: Program Management & Integration

ADS NO: 1130-0D

PROGRAM WBS DESIGNATOR: 1.1.1.2.04.04.04

COMPLETION DATE: 09/30/95

MILESTONE CONTROL NO: T2D-95-124

FDS CODE: 1N4D44

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO: WHC-SP-1101

☐ TPA

☒ Report

☐ DOE-HQ

REV. 1

☐ DOE-HQ

☐ Letter

☒ DOE-RL

☒ DOE-RL

☐ Drawings

☐ Other (Specify)

☐ Contractor

☐ Other (Specify)

Description and what constitutes completion of this commitment:

Transmit from the laboratories to the TWRS Characterization Program a 216 day validated report for Safety Resolution (DQOs) samples received at the Laboratory by February 15, 1995. These reports will be issued within 216 days after the removal of the last segment from the last core from the tank.

Acceptance Criteria:

The analytical results will comply with the criteria as identified in Tank Characterization Plans (TCPs) and Hanford Analytical Services Quality Assurance Plans.

Deliverables:

The laboratory will submit a data package to the TWRS Characterization Program which is complete for transmittal to DOE-RL documenting the results of analyses performed on Safety Resolution Data Quality Objectives in support of the Tank Characterization Reports required by Tri-Party Agreement milestone M-44.

TWRS Characterization Program will issue a letter to RL documenting completion of this milestone for samples received at the laboratory by February 15, 1995. 09/30/95

The Program Management and Integration will provide a weekly status report to the Activity Manager for Analytical Integration/Characterization Program to identify the following information:

- o All samples submitted by the Characterization Program for characterization as required to meet the 216-day reporting requirement for safety resolution per guidance from the Tank Characterization Plans (TCPs).
- o Identify to which laboratory the samples were delivered for analysis (222-S Laboratory, PNL Laboratory, and/or INEL).
- o Date of sample received at the laboratory.
- o Date of when the 216-day data report is due (from receipt of last segment from the last core to delivery at the laboratory)
- o Current status of 216-day analysis and data reporting requirement:
 - 216-Day reporting requirement met or exceeded
 - 216-Day reporting requirement not met. If so, provide reasons/justification.
 - 216-Day analyses and reporting requirements in progress for those samples still within the 216-day analysis and reporting requirement.

A9-64

D5-36 51

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

WHC-SP-1101

WHC-SP-1101
REV 95 REV. 11

A. G. King 9/22/94
Analy. Chem. Lab Manager: Date:

P. Segall 9/21/94
Cost Account Manager: Date:

D. R. Bratzel 9/21/94
Activity Manager: Date:

R. E. Gerton
DOE Manager (acceptable) Date:

M. L. Bell 9-22-94
Analytical Services Manager: Date:

C. DeFigh-Price 9-22-94
Program Element Manager: Date:

R. E. Gerton
DOE Monitor: Date:

A9-65
DS-37 62

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TWR-95-045

SCHEDULE ID: N4D45C01A

REVISION: TWR-95-101 0

TITLE: TRANSMIT 136 DAY VALIDATED ANALYTICAL
DATA PACKAGES FROM EACH SAMPLING EVENT WITHIN
136 DAYS SPECIFIC TO THE COMPATIBILITY DQO

ASSIGNED TO: Program Management & Integration

PROGRAM WBS DESIGNATOR: 1.1.1.2.04.04.05

MILESTONE CONTROL NO: ~~***~~ T2D-95-126

ADS NO: 1130-0D

COMPLETION DATE: 9/30/95 *5/21/95*

FDS CODE: 1N4D45

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO: WHC-SR-101 *4/22/95*

☐ TPA

☒ Report

☐ DOE-HQ REV. 1

☐ DOE-HQ

☐ Letter

☒ DOE-RL

☒ DOE-RL

☐ Drawings

☐ Other (Specify)

☐ Contractor

☐ Other (Specify)

☐ Other

Description and what constitutes completion of this commitment:

~~222-S LABORATORY~~

Transmit from the ~~laboratory~~ the TWR Characterization Program will include a 136 day analytical data report for Compatibility (DQOs) samples received at the Laboratory by May 15, 1995 per Tank Characterization Plans. These reports will be issued within 136 days (annual average, but not exceeding 172 days) after receipt of the last sample from the last core from the tank.

Acceptance Criteria:

The analytical results will comply with the criteria as identified in Tank Characterization Plans (TCPs) and Hanford Analytical Services Quality Assurance Plans.

Deliverables:

~~222-S~~

The Laboratory will submit a data package to the TWR Characterization Program which is complete for transmit to DOE-RL documenting the results of analyses performed on Compatibility Data Quality Objectives in support of the Tank Characterization Reports.

TWR Characterization will issue a letter to RL documenting completion of this milestone for all samples received by May 15, 1995. ~~CHG/SS~~

The Program Management and Integration will provide a weekly status report to the Activity Manager for Analytical Integration/Characterization Program to identify the following information:

- o All samples submitted by the Characterization Program for characterization as required to meet the 136-day reporting requirement for Compatibility per guidance from the Tank Characterization Plans (TCPs).
- ~~o Identify to which laboratory the samples were delivered for analysis (222-S Laboratory and/or PNL Laboratory).~~
- o Date of sample received at the laboratory.
- o Date of when the 136-day data report is due (from receipt of last sample from the last riser to delivery at the laboratory)
- o Current status of 136-day analysis and data reporting requirement:
 - 136-Day reporting requirement met or exceeded
 - 136-Day reporting requirement not met. If so, provide reasons/justification.
 - 136-Day analyses and reporting requirements in progress for those samples still within the 136-day analysis and reporting requirement.

A 9-666

259 ⁶ 3

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

TWR-95-045

M. L. Bell

M. L. Bell

9-22-94

Analytical Services Manager: Date:

P. Sevall

Cost Account Manager:

Date:

D. R. Bratzel
D. R. Bratzel

Activity Manager:

9/21/94

Date:

R. E. Gerton

DOE Manager (acceptable)

Date:

TWR-95-101

WHC-SP-1101

REV. 1

C. DeFioh-Price
C. DeFioh-Price

Program Element Manager:

Date:

R. E. Gerton

DOE Monitor:

Date:

A9-67

36/ *HA*

Westinghouse Hanford Company Tank Waste Remediation System Milestone Description Sheet

T2D-95-135
WHC-SP-1101
REV. 1

Title: Collect Rotary and Push Mode Core Samples from High Level Waste Tanks	WHC-SP-1101	Schedule ID:	N4C32A112A
		Revision:	0
Assigned to: Waste Tank Sampling Engineering		ADS No.:	1130-OC
Program WBS Designator: 1.1.1.2.04.03.02		Completion Date:	09-28-95

Milestone Control No.: T2D-95-135

Milestone Class:	Deliverables:	Addressed To:
☐ TPA	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☒ Letter	☐ DOE-RL
☒ DOE-RL	☐ Drawings	☐ Other(Specify): _____
☐ CONTRACTOR	☐ Other(Specify) _____	

Description and what constitutes completion of this commitment (What work is specifically going to be done to accomplish this milestone):

High level tank waste surface to tank bottom core samples will be collected using the Push and Rotary mode coring systems. The number of core samples identified for Push mode sampling is 24 (based on 2 cores/tank). The number of core samples identified for Rotary mode sampling is 24 (based on 2 cores/tank). Waste samples will be transported and relinquished to an onsite laboratory. Relinquishment of all required* waste samples to the laboratory via a transportation chain of custody document constitutes completion of the sampling commitment. In the event any of the above tanks cannot be sampled, contingency tanks will be selected.

The cost requirement ^{are} for these sampling events is \$5.7M for push and \$8.4M for rotary. This is based on rotary truck 2 deploying to the field on 10/03/94 and working days and swings, five days a week, through July 1995. Also assumed is the deployment of trucks 3 and 4 by 06/01/95. Deployment is defined as the truck availability to take samples in tank farms. At present, there are no flammable gas tanks to be rotary sampled in FY 1994/5. Before any flammable gas tank can be added to the schedule for FY 1995, truck 3 or 4 must be available and the safety-related documentation complete. Prior to the rotary truck being deployed into a tank with a hard sludge crust that requires rotary sampling, the ability to have some rotation without nitrogen flow must be present. This will require a change to the safety analysis.

* See acceptance criteria below.

Acceptance Criteria:

Waste sampling in direct accordance with an approved (WHC) Tank Characterization Plan.

$$\begin{array}{r} 22 \overline{) 5.7} \\ \underline{44} \\ 130 \\ \underline{110} \\ 200 \\ \underline{198} \\ 22 \end{array}$$

$$\begin{array}{r} 8.4 \\ 11.0 \\ 19.7 \\ \hline 29.1 \end{array}$$

$22a + 28b =$

$$\begin{array}{r} 5.7 \\ 6.8 \\ \underline{4} \\ 16.5 \end{array}$$

A9-68

~~D5-16~~

64

7:55-1.1

WHC-SP-1101

Deliverables (Describe the specific products or conditions):

Quarterly performance reports will be transmitted by the Characterization Program Element manager to DOE-RL manager as part of the DNFSB 93-5 Commitment 1.10. The reports will identify sampling performance based on a quarterly and fiscal year-to-date percent complete scheme. Additionally, any non-recoverable schedule variance will be reported and consequential impacts identified.

WHC-SP-1101
REV. 1

P. A. Young 09-22-94
Cost Account Manager Date

G. A. Stanton 9/22/94
Activity Manager Date

C. DeFigh-Price 9-22-94
Program Element Manager Date

R. E. Gerton
DOE Manager (agreement) Date

R. E. Gerton
DOE Manager (acceptance) Date

A9-69
~~DS-17~~ 45

Westinghouse Hanford Company Tank Waste Remediation System Milestone Description Sheet

Page 1 of 1

Rev. 0

T2D-95-136

WHC-SP-1101

Title: Collect Auger Samples from
High Level Waste Tanks

Schedule ID:

N4C33A112A

Assigned to: Waste Tank Sampling Engineering

Revision:

0

ADS No.:

1130-0C

Program WBS Designator: 1.1.1.2.04.03.03

Completion Date:

09-28-95

Milestone Control No.: T2D-95-136

WHC-SP-1101
REV. 1

Milestone Class:

Deliverables:

Addressed To:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☒ Letter

☒ DOE-RL

☒ DOE-RL

☐ Drawings

☐ Other(Specify): _____

☐ CONTRACTOR

☐ Other(Specify) _____

Description and what constitutes completion of this commitment (What work is specifically going to be done to accomplish this milestone):

46 vs 36

High level tank waste surface samples will be collected using an auger sampling system. The number of auger samples identified for auger sampling is ~~36~~ (assumes 2 samples/tank) based on sampling schedule 3.0. Waste samples will be transported and relinquished to an onsite laboratory. Relinquishment of all required* waste samples to the laboratory via a transportation chain of custody document constitutes completion of the sampling commitment. In the event any of the above tanks cannot be sampled, contingency tanks will be selected. The 20 inch auger is required for field deployment on 10/13/94.

~~The 52 augers will require \$2.4M of available funding.~~

2.4
3

~~* See acceptance criteria below.~~

Acceptance Criteria:

Waste sampling in direct accordance with an approved (WHC) Tank Characterization Plan.

Deliverables (Describe the specific products or conditions):

Quarterly performance reports will be transmitted by the Characterization Program Element manager to DOE-RL manager as part of the DNFSB 93-5 Commitment 1.10. The reports will identify sampling performance based on a quarterly and fiscal year-to-date percent complete scheme. Additionally, any non-recoverable schedule variance will be reported and consequential impacts identified.

P. A. Young

Cost Account Manager

Date

G. A. Stanton

Activity Manager

Date

R. E. Gerton

DOE Manager (acceptance)

Date

C. DeFigh-Price

Program Element Manager

Date

R. E. Gerton

DOE Manager (agreement)

Date

A9-70

55-18

44

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

Page 1 of 1

Rev. 0

WHC-SP-1101

REV. 1

WHC-SP-1101

Title: Collect Vapor Samples from
High Level Waste Tanks

Schedule ID:

N4C34A112A

Revision:

0

Assigned to: Waste Tank Sampling Engineering

ADS No.:

1130-0C

Program WBS Designator: 1.1.1.2.04.03.04

Completion Date:

09-29-95

Milestone Control No.: T2D-95-137

Milestone Class:

Deliverables:

Addressed To:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☒ Letter

☒ DOE-RL

☒ DOE-RL

☐ Drawings

☒ Other(Specify):

Characterization Program

☐ CONTRACTOR

☐ Other(Specify)

Element Manager

Description and what constitutes completion of this commitment (What work is specifically going to be done to accomplish this milestone):

40 vs 38
High level tank dome spaces will be vapor sampled in support of vapor safety issue resolutions, as a prerequisite to core sampling events. Type 3 samples support the Safety Initiative, Type 2 the rotary program. Tanks identified for vapor sampling are ~~38 tanks (29 Type 3 (truck) and 9 Type 2 (can))~~. Waste samples will be transported and relinquished to an onsite laboratory. Relinquishment of all required* waste samples to the laboratory via a transportation chain of custody document constitutes completion of the sampling commitment. In the event any of the above tanks cannot be sampled, contingency tanks will be selected.

~~The 38 tanks require \$3.1M of available funding.~~

~~*See acceptance criteria below.~~

Acceptance Criteria:

Waste sampling in direct accordance with an approved (WHC) Tank Characterization Plan.

Deliverables (Describe the specific products or conditions):

Quarterly performance reports will be transmitted by the Characterization Program Element manager to DOE-RL manager as part of the DNFSB 93-5 Commitment 1.10. The reports will identify sampling performance based on a quarterly and fiscal year-to-date percent complete scheme. Additionally, any non-recoverable schedule variance will be reported and consequential impacts identified.

P. A. Young
Cost Account Manager

Date

G. A. Stanton
Activity Manager

Date

R. E. Gerton
DOE Manager (acceptance)

Date

C. DeFigh-Price
Program Element Manager

Date

R. E. Gerton
DOE Manager (agreement)

Date

A9-71
DS-19

61

Westinghouse Hanford Company Tank Waste Remediation System Milestone Description Sheet

Page 1 of 1

Rev. 0

WHC-SP-1101

Title: Collect Grab Supernate and Sludge
Samples from High Level Waste Tanks

Schedule ID:

N4C35A112A

WHC-SP-1101

Revision:

REV. 1

0

ADS No.:

1130-OC

Assigned to: Waste Tank Sampling Engineering

Completion Date:

09-29-95

Program WBS Designator: 1.1.1.2.04.03.05

Milestone Control No.: T2D-95-138

Milestone Class:

Deliverables:

Addressed To:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☒ Letter

☒ DOE-RL

☒ DOE-RL

☐ Drawings

☐ Other(Specify):

☐ CONTRACTOR

☐ Other(Specify)

1
1.78
1.35
3.13

Description and what constitutes completion of this commitment (What work is specifically going to be done to accomplish this milestone):

37 vs 32.

High level tank waste supernate and light sludge will be collected using the Grab sampling method. ✓ Samples will be collected in support of characterization, process, compatibility issues in addition to 242-A campaign sampling. ~~There are 11 process, 24 compatibility, 6 evaporator and 9 miscellaneous grab samples.~~ The number of samples per tank varies with analysis requirement. Some evaporators take 10 while some process control for pH may only require one sample. At present, the only liquid grab sample that is available contains 100 ml. ~~To support the Pretreatment Program additional volumes of 5.1, and 6.1 litres (AN 107, AP 105 respectively) are required. This equates to 51 and 61 additional bottles.~~ Waste samples will be transported and relinquished to an onsite laboratory. Relinquishment of all required* waste samples to the laboratory via a transportation chain of custody document constitutes completion of the sampling commitment. In the event any of the above tanks cannot be sampled, contingency tanks will be selected.

~~To support this grab sampling \$2.33M is required.~~

2.53
1

~~* See acceptance criteria below.~~

Acceptance Criteria:

Waste sampling in direct accordance with an approved (WHC) Tank Characterization Plan.

Deliverables (Describe the specific products or conditions):

Quarterly performance reports will be transmitted by the Characterization Program Element manager to DOE-RL manager as part of the DNFSB 93-5 Commitment 1.10. The reports will identify sampling performance based on a quarterly and fiscal year-to-date percent complete scheme. Additionally, any non-recoverable schedule variance will be reported and consequential impacts identified.

P. A. Young *P.A. Young*
Cost Account Manager

Date

G. A. Stanton *G.A. Stanton*
Activity Manager

Date

R. E. Gerton
DOE Manager (acceptance)

Date

C. DeFigh-Price *C. DeFigh-Price*
Program Element Manager

Date

R. E. Gerton
DOE Manager (agreement)

Date

A9-72
D5-20

WESTINGHOUSE HANFORD COMPANY
TANK WASTE REMEDIATION SYSTEM DIVISION
MILESTONE DESCRIPTION SHEET

WHC-SP-1101
REV. 1

TITLE: DNFSB Commitment 1.10, Issue
Quarterly Progress Reports

2) SCHEDULE ID:
3) REVISION:

N4A11A01
0

ASSIGNED TO: Program Management &
Integration

5) ADS NO:

1130-0A

WBS DESIGNATOR: 1.1.1-2.04.01

7) COMPLETION DATE:

09/30/95

MILESTONE CONTROL NO: T2D-95-154

FDS CODE:

1N4A11

MILESTONE CLASS:

DELIVERABLE:

ADDRESSED TO:

☐ TPA
☐ DOE-HQ
☒ DOE-RL DNFSB 1.10
☐ CONTRACTOR

☒ REPORT
☐ LETTER
☐ DRAWINGS
☐ OTHER (SPECIFY)

☐ DOE-HQ
☒ DOE-RL
☐ OTHER (SPECIFY)

Description and what constitutes completion of this commitment:

Provide to DOE-RL quarterly progress reports on Defense Nuclear Facility Safety Board (DNFSB) 93-5 progress. One quarterly report will be sent to the DNFSB board no later than the 15th working day after the end of each quarter. Additional copies will be forwarded to individuals identified for distribution. General outline of the document will include sections on quarterly highlights, DNFSB commitments completed, issues or concerns and progress made during the reporting period.

Acceptance Criteria:

The Quarterly Progress Report will:

- * Provide status on the progress of DNFSB 93-5 Implementation Plan task activities
- * Identify quarterly highlights
- * Describe Characterization issues and concerns
- * Include a Tank Characterization Plan schedule
- * Characterization Program Schedules
- * Include Integrated Sampling Schedule in report
- * Data Quality Objectives status
- * Analytical Services Schedule

Deliverables:

A total of four (4) reports will be four reports will be issued for fiscal year 1995. The schedule of due dates are as follows:

1. DNFSB Quarterly Progress Report	January 20, 1995
2. DNFSB Quarterly Progress Report	April 21, 1995
3. DNFSB Quarterly Progress Report	July 21, 1995
4. DNFSB Quarterly Progress Report	October 20, 1995

S. R. Long 9-23-94 C. DeFigh-Price
Cost Account Manager: Date: Program Element Manager Date:

S. R. Long 9-23-94 R. E. Gerton
Activity Manager: Date: DOE Monitor (agreement) Date:

R. E. Gerton
DOE Manager (acceptance) Date

A9-73
D5-1

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Submit draft Tank Waste Analysis Plan Annual Update to Ecology and EPA for Review (M-44-01C) **Schedule ID:** 4G60A15A **WHC-SP-1101**
Revision CIN: 0 **REV. 1**

ADS No.: 1130-0-G

WBS Designator: 1.1.1.02.04.07.06

Scheduler: J. R. Burgess

Milestone Control No.: T2D-96-100

Due Date: 5/31/96

Milestone Level:

Deliverable:

Addressed to:

☒ TPA M-44-01C

☒ REPORT

☐ DOE-HQ

☐ DOE-HQ

☐ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other
(Specify):

☐ DOE-RL

☐ Other
(Specify):

☐ CONTRACTOR

Description of this Commitment:

Prepare and deliver to DOE-RL a draft copy of the annual update to the Tank Waste Analysis Plan (TWAP).

Description of What Constitutes Completion of this Commitment:

Five copies of a preliminary draft TWAP will be submitted RL by 3/25/96 for review. Comments received from RL by 4/22/96 will be incorporated into the draft document. Five copies of the draft TWAP update shall be transmitted to RL on or before 5/15/96 for transmittal to Ecology and EPA.

Acceptance Criteria:

The TWAP will cover safety, retrieval, pretreatment and other processing needs; identify sampling and analysis activities projected for the following year; and describe the Tank Characterization Plans (TCPs) that will be issued during the following year. The TWAP will also identify the following year's Tank Characterizations Reports (TCRs) to be submitted and on what type of data they will be based. The TWAP will specify the contents of these TCRs. The TWAP and TCPs will be developed via a DQO process. An outline of the format and content of the TWAP shall be supplied to DOE-RL by 12/15/95, based on the previous year's format and content and any negotiated revisions. DOE-RL shall advise WHC of any changes to the format and content in writing 1/31/96 to ensure inclusion of the changes in the draft document.

MDS APPROVAL

COMPLETION APPROVAL

S. J. Eberlein

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A9-74

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Submit Tank Waste Analysis Plan Annual Update to Ecology and EPA for Approval (M-44-02C)

Schedule ID: 4G60A16A

WHC-SP-1101
REV. 1

Revision CIN: 0

ADS No.: 1130-0-G

WBS Designator: 1.1.1.02.04.07.06

Scheduler: J. R. Burgess

Milestone Control No.: T2D-96-101

Due Date: 8/31/96

Milestone Level:

Deliverable:

Addressed to:

☒ TPA M-44-02C

☐ DOE-HQ

☐ DOE-FO

☐ DOE-RL

☐ CONTRACTOR

☒ REPORT

☐ LETTER

☐ DRAWINGS

☐ Other
(Specify):

☐ DOE-HQ

☒ DOE-RL

☐ Other
(Specify):

Description of this Commitment:

Prepare and deliver to DOE-RL the final copy of the annual update to the Tank Waste Analysis Plan (TWAP).

Description of What Constitutes Completion of this Commitment:

The final TWAP update shall be based on the draft (M-44-01C), submitted 5/31/96, and shall address comments provided on the draft during the four-week review period between 6/1/96 and 7/1/96. Five copies shall be transmitted RL by 8/15/96 for transmittal to Ecology and EPA.

Acceptance Criteria:

The TWAP will cover safety, retrieval, pretreatment and other processing needs; identify sampling and analysis activities projected for the following year; and describe the Tank Characterization Plans (TCPs) that will be issued during the following year. The TWAP will also identify the following year's Tank Characterizations Reports (TCRs) to be submitted and on what type of data they will be based. The TWAP will specify the contents of these TCRs. The TWAP and TCPs will be developed via a DQO process.

MDS APPROVAL

COMPLETION APPROVAL

J. Eberlein

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A9-75

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Issue 40 Tank Characterization Reports in Accordance with the Approved Tank Characterization Plans.
Complete Input of Characterization Information for 40 HLW Tanks to Electronic Database(s) (M-44-09)

Schedule ID: 4G43 27905

**WHC-SP-1101
REV 1**

Revision CIN: 0

ADS No.: 1130-0-G

WBS Designator: 1.1.1.02.04.07.04

Scheduler: J. R. Burgess

Milestone Control No.: T2D-96-102

Due Date: ~~9/30/96~~ *11/5/98

Milestone Level:

Deliverable:

Addressed to:

☒ TPA M-44-09

☒ REPORT

☐ DOE-HQ

☐ DOE-HQ

☐ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other
(Specify):

☐ DOE-RL

☐ Other
(Specify):

☐ CONTRACTOR

Description of this Commitment:

Generate and issue 40 Tank Characterization Reports (TCRs) (in accordance with the approved Tank Characterization Plans) in support of TPA milestone M-44-09. These TCRs will integrate tank waste historical data with tank waste analytical data. Update previously issued TCRs as necessary to incorporate new information. The TCRs will be cleared for public release.

Description of What Constitutes Completion of this Commitment:

- 1) Provide a draft to DOE-RL during review process so RL can perform concurrent review.
- 2) Transmit each new or revised TCR to DOE-RL as it is issued. Provide with each TCR a draft transmittal letter which DOE-RL may use to forward the document to EPA and Ecology.
- 3) Provide a final letter after transmission of all TCRs to DOE-RL, indicating completion of the milestone and the date that each TCR was transmitted.

Acceptance Criteria:

- 1) The Tank Characterization Reports must include both the relevant historical data and the information obtained by the characterization effort in accordance with the approved Tank Characterization Plans. The TCRs will be similar in content and format to that prepared for tank 241-AP-101 and issued as supporting documents. One copy of each TCR will be transmitted to RL for formal submittal to Ecology. All other internal external distribution of the TCRs will be performed by the Characterization Program.
- 2) Characterization data for all 40 tanks must be accessible by onsite and offsite stakeholders through the Tank Characterization Database.

*TPA baseline date is 9/30/1996.

MDS APPROVAL

COMPLETION APPROVAL

† G Kristofzski

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A9-76

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

WHC-SP-1167
REV. 1

∴ Submit Tank Waste Analysis Plan Annual Update to Ecology and EPA for Approval (M-44-02D)

Schedule ID: 4G60B26A

Revision CIN: 0

ADS No.: 1130-0-G

Scheduler: J. R. Burgess

Due Date: 8/31/97

WBS Designator: 1.1.1.02.04.07.06

Milestone Control No.: T2D-97-101

Milestone Level:

Deliverable:

Addressed to:

☒ TPA M-44-02D

☐ DOE-HQ

☐ DOE-FO

☐ DOE-RL

☐ CONTRACTOR

☒ REPORT

☐ LETTER

☐ DRAWINGS

☐ Other
(Specify):

☐ DOE-HQ

☒ DOE-RL

☐ Other
(Specify):

Description of this Commitment:

Prepare and deliver to DOE-RL the final copy of the annual update to the Tank Waste Analysis Plan (TWAP).

Description of What Constitutes Completion of this Commitment:

The final TWAP update shall be based on the draft (M-44-01D), submitted 5/31/97, and shall address comments provided on the draft during the four-week review period between 6/1/97 and 7/1/97. Five copies shall be transmitted RL by 8/15/97 for transmittal to Ecology and EPA.

Acceptance Criteria:

The TWAP will cover safety, retrieval, pretreatment and other processing needs; identify sampling and analysis activities projected for the following year; and describe the Tank Characterization Plans (TCPs) that will be issued during the following year. The TWAP will also identify the following year's Tank Characterizations Reports (TCRs) to be submitted and on what type of data they will be based. The TWAP will specify the contents of these TCRs. The TWAP and TCPs will be developed via a DQO process.

MDS APPROVAL

COMPLETION APPROVAL

S. J. Eberlein

IC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A9-77

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

WHC-SP-110
REV. 1

Title: Issue 40 Tank Characterization Reports in Accordance
with the Approved Tank Characterization Plans.
Complete Input of Characterization Information for 40
HLW Tanks to Electronic Database(s) (M-44-10)

Schedule ID: 4G44 46905

Revision CIN: 0

ADS No.: 1130-0-G

WBS Designator: 1.1.1.02.04.07.04

Scheduler: J. R. Burgess

Milestone Control No.: T2D-97-102

Due Date: ~~9/30/97~~ * 1/31/02

Milestone Level:

Deliverable:

Addressed to:

[X] TPA M-44-10

[X] REPORT

[] DOE-HQ

[] DOE-HQ

[] LETTER

[X] DOE-RL

[] DOE-FO

[] DRAWINGS

[] Other
(Specify):

[] DOE-RL

[] Other
(Specify):

[] CONTRACTOR

Description of this Commitment:

Generate and issue 40 Tank Characterization Reports (TCRs) (in accordance with the approved Tank Characterization Plans) in support of TPA milestone M-44-10. These TCRs will integrate tank waste historical data with tank waste analytical data. Update previously issued TCRs as necessary to incorporate new information. The TCRs will be cleared for public release.

Description of What Constitutes Completion of this Commitment:

- 1) Provide a draft to DOE-RL during review process so RL can perform concurrent review.
- 2) Transmit each new or revised TCR to DOE-RL as it is issued. Provide with each TCR a draft transmittal letter which DOE-RL may use to forward the document to EPA and Ecology.
- 3) Provide a final letter after transmission of all TCRs to DOE-RL, indicating completion of the milestone and the date that each TCR was transmitted.

Acceptance Criteria:

- 1) The Tank Characterization Reports must include both the relevant historical data and the information obtained by the characterization effort in accordance with the approved Tank Characterization Plans. The TCRs will be similar in content and format to that prepared for tank 241-AP-101 and issued as supporting documents. One copy of each TCR will be transmitted to RL for formal submittal to Ecology. All other internal external distribution of the TCRs will be performed by the Characterization Program.
- 2) Characterization data for all 40 tanks must be accessible by onsite and offsite stakeholders through the Tank Characterization Database.

*TPA baseline date is 9/30/97

MDS APPROVAL

COMPLETION APPROVAL

G Kristofzski

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A9-78

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

WHC-SP-1103
REV. 1

Title: Submit a draft copy of the TWRS Tank Waste Analysis Plans and Tank Characterization Plans Revisions, Updates and Additions Annually to Ecology and EPA
Schedule ID: 4G60B25B
Revision CIN: 0

WBS Designator: 1.1.1.02.04.07.06

ADS No.: 1130-0-G

Scheduler: J. R. Burgess

Milestone Control No.: T2D-98-100

Due Date: 5/31/98

Milestone Level:

Deliverable:

Addressed to:

☒ TPA M-44-01E

☒ REPORT

☐ DOE-HQ

☐ DOE-HQ

☐ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other
(Specify):

☐ DOE-RL

☐ Other
(Specify):

☐ CONTRACTOR

Description of this Commitment:

Prepare and deliver a draft copy of the annual update to the Tank Waste Analysis Plan. This plan will

- cover safety, retrieval, pretreatment and other processing needs
- identify sampling and analysis activities projected for the following year
- describe the Tank Characterization Plans (TCPs) to be issued for the year
- identify the following year's Tank Characterization Reports (TCRs) to be submitted and the type of data on which they will be based
- specify the contents of the Tank Characterization Reports.

Prepare and deliver the updates to TCPs from previous years and new TCPs. The TCPs shall be generated to cover every planned sampling and analysis event. The TCPs shall address the information required by the sampling crews to prepare work packages and by the laboratories to perform sample analyses.

Description of What Constitutes Completion of this Commitment:

- (1) The draft TWAP shall be submitted by WHC to DOE-RL with a cover letter for transmission to Ecology and EPA. The completion date of 5/31/98 applies to the TWAP draft.
- (2) Each TCP, following internal review and approval, shall be submitted by WHC to DOE-RL. The WHC shall provide a single generic draft cover letter for further submission of all TCPs by DOE-RL to other agencies. The TCPs shall be submitted as they are completed, throughout the year.

Acceptance Criteria:

- (1) The draft TWAP updates shall address the 5 points listed above.
- (2) The TCPs shall be reviewed and accepted internally prior to submission.

MDS APPROVAL

COMPLETION APPROVAL

S J. Eberlein

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A9-79

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

WHC-SP-1107
REV. 1

Submit Tank Waste Analysis Plan Annual Update to Ecology and EPA for Approval

Schedule ID: 4G60B26B

Revision CIN: 0

ADS No.: 1130-0-G

Scheduler: J. R. Burgess

Due Date: 8/31/98

WBS Designator: 1.1.1.02.04.07.06

Milestone Control No.: T2D-98-101

Milestone Level:

Deliverable:

Addressed to:

☒ TPA M-44-02E

☒ REPORT

☐ DOE-HQ

☐ DOE-HQ

☐ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other
(Specify):

☐ DOE-RL

☐ Other
(Specify):

☐ CONTRACTOR

Description of this Commitment:

- Prepare and deliver the final copy of the annual update to the Tank Waste Analysis Plan (TWAP). This plan will
- cover safety, retrieval, pretreatment and other processing needs
 - identify sampling and analysis activities projected for the following year
 - describe the Tank Characterization Plans (TCPs) to be issued for the year
 - identify the following year's Tank Characterization Reports (TCRs) to be submitted and the type of data on which they will be based
 - specify the contents of the Tank Characterization Reports.

The final TWAP update shall be based on the draft (M-44-01E, submitted 5/31) and shall incorporate and address comments provided on the draft.

Description of What Constitutes Completion of this Commitment:

- (1) The TWAP shall be submitted by WHC to DOE-RL with a cover letter for transmission to Ecology and EPA.

Acceptance Criteria:

- (1) The TWAP updates shall address the 5 points listed above.

MDS APPROVAL

COMPLETION APPROVAL

S. J. Eberlein

Date Milestone Was Completed

IC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A 9-80

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Issue 30 Tank Characterization Reports in Accordance with the Approved Tank Characterization Plans.
Complete Input of Characterization Information for 30 HLW Tanks to Electronic Database(s)

Schedule ID: 4G44 46908

Revision CIN: 0

WHC-SP-110
REV. 1

ADS No.: 1130-0-G

WBS Designator: 1.1.1.02.04.07.04

Scheduler: J. R. Burgess

Milestone Control No.: T2D-98-102

Due Date: ~~9/30/98~~ *12/31/2003

Milestone Level:

Deliverable:

Addressed to:

☒ TPA M-44-11

☒ REPORT

☐ DOE-HQ

☐ DOE-HQ

☐ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other

☐ DOE-RL

☐ Other
(Specify):

(Specify):

☐ CONTRACTOR

Description of this Commitment:

Complete and publish reports documenting tank characteristics for 30 High Level Waste tanks and input data into an electronic database(s).

Generate and issue 30 Tank Characterization Reports (TCRs) (in accordance with the approved Tank Characterization Plans) in support of TPA milestone M-44-11. These TCRs will integrate tank waste historical data with analytical data from the characterization effort. The TCRs will be cleared for public release. Complete loading of the characterization information for these 30 tanks into the tank characterization database.

Description of What Constitutes Completion of this Commitment:

- (1) As each TCR is completed and entered into the database, the TCR shall be transmitted to DOE-RL with a letter indicating availability of the electronic data in the database.
- (2) A final letter from the WHC Characterization Program to DOE-RL will document completion of all 30 tanks. The final letter shall list tanks added to the Tank Characterization Database and when they were available to regulators. The letter shall attach a proposed transmittal letter from DOE-RL to State and EPA (also electronically provide attached letter to DOE-RL).

Acceptance Criteria:

- 1) The Tank Characterization Reports must include both the relevant historical data and the information obtained by the characterization effort in accordance with the approved Tank Characterization Plans.
- 2) Electronic data for all 30 tanks must be accessible by onsite and offsite stakeholders through the Tank Characterization Database.

*TPA baseline date is 12/31/2003.

MDS APPROVAL

COMPLETION APPROVAL

G. Kristofzski

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A9-81

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

Title: Complete 16 Auger Core Samples

Schedule ID: 4J5 17403

WHC-SP-1103
REV. 1

Revision CIN: 0

ADS No.: 1130-0-J

WBS Designator: 1.1.1.02.04.10.05

Scheduler: L. J. Saldana

Milestone Control No.: ^{TAD}~~124~~-98-117

Due Date: 9/30/98

Milestone Level:

Deliverable:

Addressed to:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ CONTRACTOR

☐ REPORT
☒ LETTER
☐ DRAWINGS
☐ Other
(Specify):

☐ DOE-HQ
☒ DOE-RL
☐ Other
(Specify):

Description of this Commitment:

High level tank waste surface samples will be collected using an auger sampling system. On average 3 Auger samples will be collected per tank, resulting in approximately 6 tanks sampled per this commitment.

Description of What Constitutes Completion of this Commitment:

Sixteen (16) Auger samples retrieved in accordance with an approved (WHC) Tank Characterization Plan.

Acceptance Criteria:

Relinquishment of all required waste samples to the laboratory via a transportation chain of custody document constitutes completion of the sampling commitment.

MDS APPROVAL

COMPLETION APPROVAL

J. G. Burton

AC Responsible Manager/Date

S. T. Burnum

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

A9-82

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

• Submit Tank Waste Analysis Plan Annual Update to Ecology and EPA for Approval

Schedule ID: 4G60B26C

WHC-SP-110
REV. 1

Revision CIN: 0

ADS No.: 1130-0-G

Scheduler: J. R. Burgess

Due Date: 8/31/99

WBS Designator: 1.1.1.02.04.07.06

Milestone Control No.: T2D-99-100

Milestone Level:

Deliverable:

Addressed to:

☒ TPA M-44-02F

☒ REPORT

☐ DOE-HQ

☐ DOE-HQ

☐ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other
(Specify):

☐ DOE-RL

☐ Other
(Specify):

☐ CONTRACTOR

Description of this Commitment:

- Prepare and deliver the final copy of the annual update to the Tank Waste Analysis Plan (TWAP). This plan will
- cover safety, retrieval, pretreatment and other processing needs
 - identify sampling and analysis activities projected for the following year
 - describe the Tank Characterization Plans (TCPs) to be issued for the year
 - identify the following year's Tank Characterization Reports (TCRs) to be submitted and the type of data on which they will be based
 - specify the contents of the Tank Characterization Reports.

The final TWAP update shall be based on the draft (M-44-01F, submitted 5/31) and shall incorporate and address comments provided on the draft.

Description of What Constitutes Completion of this Commitment:

- (1) The TWAP shall be submitted by WHC to DOE-RL with a cover letter for transmission to Ecology and EPA.

Acceptance Criteria:

- (1) The TWAP updates shall address the 5 points listed above.

MDS APPROVAL

COMPLETION APPROVAL

S. J. Eberlein

Date Milestone Was Completed

IC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A9-83

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

WHC-SP-1101
REV. 1

e: Issue 14 Tank Characterization Reports in Accordance
with the Approved Tank Characterization Plans.
Complete Input of Characterization Information for 14
HLW Tanks to Electronic Database(s)

Schedule ID: 4G44 46910

Revision CIN: 0

ADS No.: 1130-0-G

WBS Designator: 1.1.1.02.04.07.04

Scheduler: J. R. Burgess

Milestone Control No.: T2D-99-101

Due Date: ~~9/30/99~~* 9/30/2004

Milestone Level:

Deliverable:

Addressed to:

[X] TPA M-44-12

[X] REPORT

[] DOE-HQ

[] DOE-HQ

[] LETTER

[X] DOE-RL

[] DOE-FO

[] DRAWINGS

[] Other

[] DOE-RL

[] Other

(Specify):

[] CONTRACTOR

(Specify):

Description of this Commitment:

Complete and publish reports documenting tank characteristics for 14 High Level Waste tanks and input data into an electronic database(s).

Generate and issue 14 Tank Characterization Reports (TCRs) (in accordance with the approved Tank Characterization Plans) in support of TPA milestone M-44-12. These TCRs will integrate tank waste historical data with analytical data from the characterization effort. The TCRs will be cleared for public release. Complete loading of the characterization information for these 14 tanks into the tank characterization database.

Description of What Constitutes Completion of this Commitment:

(1) As each TCR is completed and entered into the database, the TCR shall be transmitted to DOE-RL with a letter indicating availability of the electronic data in the database.

(2) A final letter from the WHC Characterization Program to DOE-RL will document completion of all 14 tanks. The final letter shall list tanks added to the Tank Characterization Database and when they were available to regulators. The letter shall attach a proposed transmittal letter from DOE-RL to State and EPA (also electronically provide attached letter to DOE-RL).

Acceptance Criteria:

- 1) The Tank Characterization Reports must include both the relevant historical data and the information obtained by the characterization effort in accordance with the approved Tank Characterization Plans.
- 2) Electronic data for all 14 tanks must be accessible by onsite and offsite stakeholders through the Tank Characterization Database.

*TPA baseline date is 9/30/1999.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

J. G. Kristofzski

HC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A9-84

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Title: Submit a draft copy of the TWRS Tank Waste Analysis Plans and Tank Characterization Plans Revisions, Updates, and Additions Annually to Ecology and EPA

Schedule ID: 4G60B25C

**WHC-SP-1107
REV. 1**

Revision CIN: 0

ADS No.: 1130-0-G

WBS Designator: 1.1.1.02.04.07.06

Scheduler: J. R. Burgess

Milestone Control No.: T2D-99-102

Due Date: 5/31/99

Milestone Level:

Deliverable:

Addressed to:

☒ TPA M-44-01F

☒ REPORT

☐ DOE-HQ

☐ DOE-HQ

☐ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other
(Specify):

☐ DOE-RL

☐ Other
(Specify):

☐ CONTRACTOR

Description of this Commitment:

Prepare and deliver a draft copy of the annual update to the Tank Waste Analysis Plan. This plan will

- cover safety, retrieval, pretreatment and other processing needs
- identify sampling and analysis activities projected for the following year
- describe the Tank Characterization Plans (TCPs) to be issued for the year
- identify the following year's Tank Characterization Reports (TCRs) to be submitted and the type of data on which they will be based
- specify the contents of the Tank Characterization Reports.

Prepare and deliver the updates to TCPs from previous years and new TCPs. The TCPs shall be generated to cover every planned sampling and analysis event. The TCPs shall address the information required by the sampling crews to prepare work packages and by the laboratories to perform sample analyses.

Description of What Constitutes Completion of this Commitment:

- (1) The draft TWAP shall be submitted by WHC to DOE-RL with a cover letter for transmission to Ecology and EPA. The completion date of 5/31/99 applies to the TWAP draft.
- (2) Each TCP, following internal review and approval, shall be submitted by WHC to DOE-RL. The WHC shall provide a single generic draft cover letter for further submission of all TCPs by DOE-RL to other agencies. The TCPs shall be submitted as they are completed, throughout the year.

Acceptance Criteria:

- (1) The draft TWAP updates shall address the 5 points listed above.
- (2) The TCPs shall be reviewed and accepted internally prior to submission.

MDS APPROVAL

COMPLETION APPROVAL

S. J. Eberlein

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A9-85

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

WHC-SP-1101
REV. 1

Title: Issue Tank Characterization Reports Based on Process Knowledge, Prior Characterization Data, and Validated Empirical Data Acquired After May 1989 for 177 Hanford HLW Tanks

Schedule ID: 4G44 46912

Revision CIN: 0

ADS No.: 1130-0-G

WBS Designator: 1.1.1.02.04.07.04

Scheduler: J. R. Burgess

Milestone Control No.: T2D-99-103

Due Date: ~~9/30/99~~ 9/30/2004

Milestone Level:

Deliverable:

Addressed to:

☒ TPA M-44-00

☒ REPORT

☐ DOE-HQ

☐ DOE-HQ

☐ LETTER

☒ DOE-RL

☐ DOE-FO

☐ DRAWINGS

☐ Other
(Specify):

☐ DOE-RL

☐ Other
(Specify):

☐ CONTRACTOR

Description of this Commitment:

Generate and issue Tank Characterization Reports (TCRs) (in accordance with the approved Tank Characterization Plans) in support of TPA milestones M-44-05, M-44-06, M-44-07, M-44-08, M-44-09, M-44-10, M-44-11, and M-44-12. Issue Tank Characterization Reports (TCRs) based on process knowledge, prior characterization data, and validated empirical data acquired after May 1989 for 177 Hanford High Level Waste (HLW) tanks. TCRs will be cleared for public release. Complete loading of the characterization information for these tanks into the electronic database(s). Provide offsite access to electronic database(s) containing tank characterization information through the Tank Characterization database (TCD) and Hanford Environmental Information System (HEIS) through the Tank Waste Information Network System (TWINS) or approved analogues for 177 HLW tanks.

All issued TCRs will be updated quarterly as needed due to addition and/or removal of tank wastes and as new information is obtained.

Validated data packages are to be placed in the administrative record.

Description of What Constitutes Completion of this Commitment:

A letter shall be sent from WHC Characterization Program to DOE-RL documenting completion. The letter shall list tanks added to the Tank Characterization Database and when they were available to regulators. Letter shall attach a proposed transmittal letter from DOE-RL to State and EPA (also electronically provide attached letter to DOE-RL).

Acceptance Criteria:

- (1) The Tank Characterization Reports must include both the relevant historical data and the information obtained by the characterization effort in accordance with the approved Tank Characterization Plan.
- (2) Electronic data for all 177 tank must be accessible by onsite and offsite stakeholders through the Tank Characterization Database.

* Baseline TPA date is 9/30/99

MDS APPROVAL

COMPLETION APPROVAL

G. Kristofzski

Date Milestone Was Completed

HC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A9-86

WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

PAGE NO. 31

1.1.1.3.01.01 SST Retrieval

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.3.01.01.02	M-45-08A COMPLETE DESIGN/STRATEGY FOR ISSTRS	TPA-I T2E-00-100		02JAN01
1.1.1.3.01.01.02	M-45-04-T02 COMPLET DESIGN OF INITIAL SST WR SYS	TPA-T T2E-01-101		02JAN01
1.1.1.3.01.01.02	M-45-03-T02 INITIATE FINAL WR DEMO OF C-106	TPA-T T2E-02-101		28JUN02
1.1.1.3.01.01.02	M-45-03-T01 COMPLETE SST WR DEMO	TPA-T T2E-03-100		30SEP03
1.1.1.3.01.01.02	M-45-04-T03 COMPLT CONSTRUCT INITIAL SST WR SYS	TPA-T T2E-03-101		30JUN03
1.1.1.3.01.01.02	M-45-08B COMPLETE DEMO/INSTALL LK MONITOR/DETECT	TPA-I T2E-03-102		30JUN03
1.1.1.3.01.01.02	M-45-08 ESTABLISH CAPABILITY TO MITIGATE LEAKAGE	TPA-I T2E-03-103		30JUN03
1.1.1.3.01.01.02	M-45-04-T01 PROVIDE INITIAL SST WR SYSTEMS	TPA-T T2E-04-101		01DEC03
1.1.1.3.01.01.02	M-45-05-T01 INITIATE WR FROM ONE SST	TPA-T T2E-04-102	31DEC03	
1.1.1.3.01.01.02	M-45-05-T02 INITIATE WR FROM 2 ADDITIONAL SST'S	TPA-T T2E-04-103	30SEP04	
1.1.1.3.01.01.02	M-45-05-T03 INITIATE WR FROM 3 ADDITIONAL SST'S	TPA-T T2E-05-101	30SEP05	
1.1.1.3.01.01.02	M-45-05-T04 INITIATE WR FROM 4 ADDITIONAL SST'S	TPA-T T2E-06-101	02OCT06	
1.1.1.3.01.01.02	M-45-05-T05 INITIATE WR FROM 5 ADDITIONAL SST'S	TPA-T T2E-07-101	01OCT07	
1.1.1.3.01.01.02	M-45-05-T06 INITIATE WR FROM 5 ADDITIONAL SST'S	TPA-T T2E-08-101	30SEP08	

A10-1

WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

PAGE NO. 32

1.1.1.3.01.01 SST Retrieval

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.3.01.01.02	M-45-05-T07 INITIATE WR FROM 7 ADDITIONAL SST'S	TPA-T T2E-09-101	30SEP09	
1.1.1.3.01.01.02	M-45-05-T08 INITIATE WR FROM 8 ADDITIONAL SST'S	TPA-T T2E-10-101	30SEP10	
1.1.1.3.01.01.02	M-45-05-T09 INITIATE WR FROM 10 ADDITIONAL SST'S	TPA-T T2E-11-101	30SEP11	
1.1.1.3.01.01.02	M-45-05-T10 INITIATE WR FROM 12 ADDITIONAL SST'S	TPA-T T2E-12-101	01OCT12	
1.1.1.3.01.01.02	M-45-05-T11 INITIATE WR FROM 14 ADDITIONAL SST'S	TPA-T T2E-13-101	30SEP13	
1.1.1.3.01.01.02	M-45-05-T12 INITIATE WR FROM 17 ADDITIONAL SST'S	TPA-T T2E-14-101	30SEP14	
1.1.1.3.01.01.02	M-45-05-T13 INITIATE WR FROM 20 ADDITIONAL SST'S	TPA-T T2E-15-101	30SEP15	
1.1.1.3.01.01.02	M-45-05-T14 INITIATE WR FROM 20 ADDITIONAL SST'S	TPA-T T2E-16-101	30SEP16	
1.1.1.3.01.01.01	M-45-02 SUBMIT ANNUAL SST WR SEQUENCE DOCUMENT	TPA-I T2E-17-100		29SEP17
1.1.1.3.01.01.02	M-45-05-T15 INITIATE WR FROM 20 ADDITIONAL SST'S	TPA-T T2E-17-102	02OCT17	
1.1.1.3.01.01.02	M-45-05 RETRIEVE WASTE FROM ALL REMAINING SSTs	TPA-I T2E-18-100		01OCT18
1.1.1.3.01.01.02	M-45-08-T01 ASSESSMENT OF PROJECTED SST LEAKAGE	TPA-T T2E-95-206		31OCT95
1.1.1.3.01.01.03	START RETRIEVAL - SECRETARY SAFETY INITIATIVE	DOE-HQ T2E-96-138	01NOV96	
1.1.1.3.01.01.03	COMPLETE CONSTRUCTION	DOE-HQ T2E-96-139		10SEP96

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Controlled Milestones

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1.1.1.3.01.01 SST Retrieval

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.3.01.01.02	M-45-09A SUBMIT ANNUAL PROGRESS RPT LK MON/DETCT	TPA-I T2E-96-140		30SEP96
1.1.1.3.01.01.02	M-45-04A COMPLETE INITIAL SST WR SYSTEM CDR	TPA-I T2E-97-105		30APR97
1.1.1.3.01.01.05	M-45-03A INITIATE SLUICING OF C-106	TPA-I T2E-97-106	31OCT97	
1.1.1.3.01.01.02	M-45-08-T02 ESTABLISH LEAKAGE/MITIGATION CRITERI	TPA-T T2E-97-127		30APR97
1.1.1.3.01.01.02	M-45-09B SUBMIT ANNUAL PROGRESS RPT LK MON/DETCT	TPA-I T2E-97-128		30SEP97
1.1.1.3.01.01.02	M-45-09C SUBMIT ANNUAL PROGRESS RPT LK MON/DETCT	TPA-I T2E-98-101		02FEB98
1.1.1.3.01.01.01	M-45-02D SUBMIT ANNUAL SST WR SEQUENCE DOCUMENT	TPA-I T2E-99-100		29SEP99
1.1.1.3.01.01.03	COMPLETE INTER-FARM PIPELINE (CWBS 1.4.2)	DOE-RL T31-96-001		29MAR96
1.1.1.3.01.01.03	COMPLETE C-106 CHILLER SKID INSTALLATION	DOE-RL T31-96-002		10MAY96
1.1.1.3.01.01.03	COMPLETE AY-FARM SLUICING SYSTEM INSTALLATION	DOE-RL T31-96-004		02AUG96
1.1.1.3.01.01.03	COMPLETE C-FARM SLUICING SYSTEM INSTALLATION	DOE-RL T31-96-005		02AUG96
1.1.1.3.01.01.03	COMPLETE C-FARM ENCASED PIPING (CWBS 1.4.3)	DOE-RL T31-96-012		28JUN96
1.1.1.3.01.01.03	COMPLETE AY-FARM ENCASED PIPING	DOE-RL T31-96-013		28JUN96
1.1.1.3.01.01.02	ACTR summary Report for fy96	DOE-RL T31-96-200		30SEP96

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WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

PAGE NO. 34

1.1.1.3.01.01 SST Retrieval

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.3.01.01.02	SYSTEM DEFINITION REVIEW MEETING	DOE-RL T31-96-215		03FEB97
1.1.1.3.01.01.02	ISSTRS FUNCTIONAL DESIGN CRITERIA	DOE-RL T31-96-218		08MAR96
1.1.1.3.01.01.02	LDM STRATEGY DOCUMENT COMMENTS	DOE-RL T31-96-220	15OCT96	
1.1.1.3.01.01.02	LDM STRATEGY DOCUMENT TRANSMITTED	DOE-RL T31-96-222		11NOV96
1.1.1.3.01.01.02	LDM STRATEGY DOCUMENT APPROVED	DOE-RL T31-96-223		18DEC96
1.1.1.3.01.01.02	LDM STRATEGY DOCUMENT	DOE-RL T31-96-225		15MAY96
1.1.1.3.01.01.02	LDM DECISION POINT REVIEW	DOE-RL T31-96-226		03JUN96
1.1.1.3.01.01.02	Begin DOE RL STAKEHOLDER INTERACT PROC	DOE-RL T31-96-235		15AUG96
1.1.1.3.01.01.02	Submit ISSTRS Mission Analysis to DOE RL for Rev	DOE-RL T31-96-247		16DEC96
1.1.1.3.01.01.02	Submit ISSTRS ICD to DOE RL for Review	DOE-RL T31-96-248		15OCT96
1.1.1.3.01.01.02	ACTR Final Report	DOE-RL T31-97-200		30SEP97
1.1.1.3.01.01.02	Incorporate SDR Comments & Tx to RL	DOE-RL T31-97-214		03MAR97

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Tank Waste Remediation System

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Milestone Description Sheet

WHC-SP-1101
REV. 1

Milestone Control No. T2E-00-100
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0 M-45-95-01

Due Date: 12/31/2000

ADS No: 1210-0

Schedule ID: R00313B

Title: COMPLETE SYSTEMS DESIGN AND
OPERATING STRATEGY FOR TANK
LEAK MONITORING AND MITIGATION
FOR SYSTEMS TO BE USED IN
CONJUNCTION WITH INITIAL
RETRIEVAL SYSTEMS FOR SSTs (M-45-
08A)

Scheduler: D. BRICKER

Milestone Level:

☒ TPA M-45-08A
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
DRAWINGS
AND REPORT

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE SYSTEM DESIGN AND OPERATING STRATEGY FOR LEAK MONITORING AND
MITIGATION FOR SYSTEMS TO BE USED IN CONJUNCTION WITH INITIAL RETRIEVAL SYSTEMS
FOR SSTs.

Description of what Constitutes Completion of the Commitment:

COMPLETE DISPOSITION OF ALL DESIGN REVIEW COMMENTS APPLYING TO THE LEAK
DETECTION MONITORING AND MITIGATION (IF ANY) SUB-SET OF THE INITIAL SINGLE SHELL
TANK RETRIEVAL SYSTEM.

Acceptance Criteria:

TRANSMITTAL OF NOTIFICATION THAT ALL COMMENTS APPLYING TO THE LEAK DETECTION,
MONITORING, AND MITIGATION SYSTEMS (IF ANY) HAVE BEEN DISPOSITIONED IN THE
INITIAL SINGLE SHELL TANK RETRIEVAL SYSTEM DESIGN REVIEW, FROM DOE-RL TO THE
WASHINGTON STATE DEPARTMENT OF ECOLOGY. ADDITIONALLY, THE DOE-RL WILL
TRANSMIT A COPY OF THE DESIGN DOCUMENTATION FOR THE LEAK DETECTION,
MONITORING, AND MITIGATION SYSTEM (IF ANY) SUB-SET OF THE INITIAL SINGLE SHELL
TANK RETRIEVAL SYSTEM WHEN ALL DESIGN REVIEW COMMENTS ARE RESOLVED.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No. T2E-01-101
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 12/31/2000
ADS No: 1210

Title: COMPLETE DESIGN FOR THE INITIAL
SST RETRIEVAL SYSTEMS (M-45-04-T02)

Schedule ID: R00227B

Scheduler: BRICKER

Milestone Level:

☒ TPA M-45-04-T02
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☒ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Complete design for the Initial SST Retrieval System

Description of what Constitutes Completion of the Commitment:

Approved Design Drawings for the Initial SST Retrieval System.

Acceptance Criteria:

Design Drawings must be approved per WHC / ICF-Kaiser design standards

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No. T2E-02-101
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 6/30/2002
ADS No: 1210

Title: INITIATE FINAL RETRIEVAL
DEMONSTRATION OF C-106 (M-45-03-
T02)

Schedule ID: R00225A

Scheduler: BRICKER

Milestone Level:

☒ TPA M-45-03-T02
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
ORR TEST
PLAN OTP

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC

Description of this Commitment:

Initiate final retrieval of tank 241-C-106 to complete initial demonstration of SST retrieval technologies.

Description of what Constitutes Completion of the Commitment:

Completion of all start-up documentation including Operational Readings Reviews (ORR's), approved test plans, and Operating Test Procedures (OTP).

Acceptance Criteria:

All documentation will be to approved WHC standards per the Heel Removal Management Plan.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System**

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Milestone Description Sheet

**WHC-SP-1101
REV. 1**

Milestone Control No. T2E-03-100
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 9/30/2003
ADS No: 1210

Title: COMPLETE SST WASTE RETRIEVAL
DEMONSTRATION (M-45-03-T01)

Schedule ID: R00225B

Scheduler: BRICKER

Milestone Level:

☒ TPA M-45-03-T01
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Complete full-scale demonstration of SST retrieval technology in tank 241-C-106.

Description of what Constitutes Completion of the Commitment:

A report documenting the completion of full-scale SST technology demonstration.

Acceptance Criteria:

Remove at least 99% of the waste inventory from tank 241-C-106

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No. T2E-03-101
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 6/30/2003
ADS No: 1210

Title: COMPLETE CONSTRUCTION FOR THE
INITIAL SST RETRIEVAL SYSTEMS (M-
45-04-T03)

Schedule ID: R00227C

Scheduler: BRICKER

Milestone Level:

☒ TPA M-45-04-T03
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
PUNCH LIST

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Complete construction for the Initial SST Retrieval System

Description of what Constitutes Completion of the Commitment:

Complete construction including the accepted disposition of all punch list items by the RL / WHC retrieval project managers

Acceptance Criteria:

Per the ISSTRS management plan

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System**

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Milestone Description Sheet

**WHC-SP-1101
REV. 1**

Milestone Control No. T2E-03-102
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0 M-45-95-01

Due Date: 6/30/2003

ADS No: 1210-0

Title: COMPLETE DEMONSTRATION AND
INSTALLATION OF LEAK MONITORING
AND MITIGATION SYSTEMS FOR
INITIAL SST RETRIEVAL (M-45-08B)

Schedule ID: R00313C

Scheduler: D. BRICKER

Milestone Level:

☒ TPA M-45-08B
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE DEMONSTRATION AND INSTALLATION OF THE LEAK MONITORING AND
MITIGATION SYSTEMS FOR INITIAL SINGLE SHELL TANK RETRIEVAL.

Description of what Constitutes Completion of the Commitment:

COMPLETE DISPOSITION OF ALL OPERATIONAL READINESS REVIEW COMMENTS APPLYING
TO THE LEAK DETECTION , MONITORING SYSTEM (IF ANY) SUB-SET OF THE INITIAL SINGLE
SHELL TANK RETRIEVAL SYSTEM.

Acceptance Criteria:

TRANSMITTAL OF NOTIFICATION THAT ALL COMMENTS APPLYING TO THE LEAK DETECTION,
MONITORING , AND MITIGATION SYSTEMS (IF ANY) HAVE BEEN DISPOSITIONED IN THE
INITIAL SINGLE SHELL TANK RETRIEVAL SYSTEM OPERATIONAL READINESS REVIEW, FROM
DOE-RL TO THE WASHINGTON STATE DEPARTMENT OF ECOLOGY.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No. T2E-03-103
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0 M-45-95-01

Due Date: 6/30/2003

ADS No: 1210-0

Title: ESTABLISH FULL-SCALE CAPABILITY
FOR MITIGATION OF WASTE TANK
LEAKAGE DURING RETRIEVAL
SLUICING OPERATIONS (M-45-08)

Schedule ID: R00313A

Scheduler: D. BRICKER

Milestone Level:

☒ TPA M-45-08
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

ESTABLISH FULL SCALE CAPABILITY FOR MITIGATION OF WASTE TANK LEAKAGE DURING RETRIEVAL SLUICING OPERATIONS.

Description of what Constitutes Completion of the Commitment:

COMPLETE DISPOSITION OF ALL OPERATIONAL READINESS REVIEW COMMENTS APPLYING TO THE LEAK DETECTION, MONITORING, AND MITIGATION SYSTEM (IF ANY) SUB-SET OF THE INITIAL SINGLE SHELL RETRIEVAL SYSTEM.

Acceptance Criteria:

TRANSMITTAL OF NOTIFICATION THAT ALL COMMENTS APPLYING TO THE LEAK DETECTION, MONITORING, AND MITIGATION SYSTEMS (IF ANY) HAVE BEEN DISPOSITIONED IN THE INITIAL SINGLE SHELL TANK RETRIEVAL SYSTEM OPERATIONAL READINESS REVIEW, FROM DOE-RL TO THE WASHINGTON STATE DEPARTMENT OF ECOLOGY.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No. T2E-04-101
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 11/30/2003
ADS No: 1210

Title: PROVIDE INITIAL SINGLE-SHELL TANK
RETRIEVAL SYSTEMS (M-45-04-T01)

Schedule ID: R00227D

Scheduler: BRICKER

Milestone Level:

Deliverables:

Addressed To:

☒ TPA M-45-04-T01
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Complete construction and related testing of the Initial SST Retrieval Systems

Description of what Constitutes Completion of the Commitment:

Completed all start up testing activities for an entire single shell tank farm or an equivalent number of tanks.

Acceptance Criteria:

Per the ISSTRS management plan.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No. T2E-04-102
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 12/31/2003
ADS No: 1210

Title: INITIATE TANK WASTE RETRIEVAL
FROM 1 SINGLE-SHELL TANK (M-45-05-
T01)

Schedule ID: R00229A

Scheduler: BRICKER

Milestone Level:

☒ TPA M-45-05-T01
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
ORR TEST
PLAN OTP

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC

Description of this Commitment:

Complete all start up activites including Operational Readiness Reviews (ORR's), test plans, and Operating Test Procedures (OTP's) in order to start retrieval from one SST.

Description of what Constitutes Completion of the Commitment:

Completion of all start up documentation

Acceptance Criteria:

All documentation will be approved per the ISSTRS management plan.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No. T2E-04-103
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 9/30/2004
ADS No: 1210

Title: INITIATE TANK WASTE RETRIEVAL
FROM 2 ADDITIONAL SINGLE-SHELL
TANK (M-45-05-T02)

Schedule ID: R00229B

Scheduler: BRICKER

Milestone Level:

☒ TPA M-45-05-T02
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE ALL START UP ACTIVITIES INCLUDING OPERATIONAL READINESS REVIEWS (ORR's), TEST PLANS, AND OPERATING TEST PROCEDURES (OTP's) IN ORDER TO START RETRIEVAL FROM ONE SST

Description of what Constitutes Completion of the Commitment:

COMPLETION OF ALL START UP DOCUMENTATION

Acceptance Criteria:

ALL DOCUMENTATION WILL BE APPROVED PER THE ISSTRS MANAGEMENT PLANS

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No. T2E-05-101
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 9/30/2005
ADS No: 1210

Title: INITIATE TANK WASTE RETRIEVAL
FROM 3 ADDITIONAL SINGLE-SHELL
TANK (M-45-05-T03)

Schedule ID: R00229C

Scheduler: BRICKER

Milestone Level:

☒ TPA M-45-05-T03
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE ALL START START-UP ACTIVITIES INCLUDING OPERATIONAL READINESS REVIEWS (ORR's), TEST PLANS, AND OPERATING TEST PROCEDURES (OTP's) IN ORDER TO START RETRIEVAL FROM ONE SST.

Description of what Constitutes Completion of the Commitment:

COMPLETION OF ALL START-UP DOCUMENTATION

Acceptance Criteria:

ALL DOCUMENTATION WILL BE APPROVED PER THE ISSTRS MANAGEMENT PLAN.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No. T2E-06-101
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 9/30/2006
ADS No: 1210

Title: INITIATE TANK WASTE RETRIEVAL
FROM 4 ADDITIONAL SINGLE-SHELL
TANK (M-45-05-T04)

Schedule ID: R00229D

Scheduler: BRICKER

Milestone Level:

Deliverables:

Addressed To:

☒ TPA M-45-05-T04
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE ALL START UP ACTIVITIES INCLUDING OPERATIONAL READINESS REVIEW (ORR's),
TEST PLANS, AND OPERATING TEST PROCEDURES (OTP's) IN ORDER TO SART RETRIEVAL
FROM ONE SST

Description of what Constitutes Completion of the Commitment:

COMPLETION OF ALL START UP DOCUMENTATION

Acceptance Criteria:

ALL DOCUMENTATION WILL BE APPROVED PER THE ISSTR MANAGEMENT PLAN

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No. T2E-07-101
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 9/30/2007
ADS No: 1210

Title: INITIATE TANK WASTE RETRIEVAL
FROM 5 ADDITIONAL SINGLE-SHELL
TANK (M-45-05-T05)

Schedule ID: R00229E

Scheduler: BRICKER

Milestone Level:

☒ TPA M-45-05-T05
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE ALL START UP ACTIVITIES INCLUDING OPERATIONAL READINESS REVIEWS (ORR's), TEST PLANS, AND OPERATING TEST PROCEDURES (OTP's) IN ORDER TO START RETRIEVAL FROM ONE SST

Description of what Constitutes Completion of the Commitment:

COMPLETION OF ALL START UP DOCUMENTATION

Acceptance Criteria:

ALL DOCUMENTATION WILL BE APPROVED PER THE ISSTRS MANAGEMENT PLAN

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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WHC-SP-1101
REV. 1

Milestone Control No. T2E-08-101
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 9/30/2008
ADS No: 1210
Schedule ID: R00229F

Title: INITIATE TANK WASTE RETRIEVAL
FROM 5 ADDITIONAL SINGLE-SHELL
TANK (M-45-T06)

Scheduler: BRICKER

Milestone Level:

☒ TPA M-45-05-T06
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE ALL START UP ACTIVITIES INCLUDING OPERATIONAL READINESS REVIEWS (ORR's), TEST PLANS, AND OPERATING TEST PROCEDURES (OTP's) IN ORDER TO START RETRIEVAL FROM ONE SST

Description of what Constitutes Completion of the Commitment:

COMPLETION OF ALL START UP DOCUMENTATION

Acceptance Criteria:

ALL DOCUMENTATION WILL BE APPROVED PER THE ISSTRS MANAGEMENT PLAN

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No. T2E-09-101
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 9/30/2009
ADS No: 1210

Title: INITIATE TANK WASTE RETRIEVAL
FROM 7 ADDITIONAL SINGLE-SHELL
TANK (M-45-05-T07)

Schedule ID: R00232A

Scheduler: BRICKER

Milestone Level:

Deliverables:

Addressed To:

☒ TPA M-45-05-T07
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE ALL START UP ACTIVITIES INCLUDING OPERATIONAL READINESS REVIEWS (ORR'S), TEST PLANS, AND OPERATING TEST PROCUDURES (OTP's) IN ORDER TO START RETRIEVAL FROM ONE SST

Description of what Constitutes Completion of the Commitment:

COMPLETION OF ALL START UP DOCUMENTATION

Acceptance Criteria:

ALL DOCUMENTATION WILL BE APPROVED BY THE ISSTRS MANAGEMENT PLAN

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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WHC-SP-1101
REV. 1

Milestone Control No. T2E-10-101
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 9/30/2010
ADS No: 1210

Title: INITIATE TANK WASTE RETRIEVAL
FROM 8 ADDITIONAL SINGLE-SHELL
TANK (M-45-05-T08)

Schedule ID: R00232B

Scheduler: BRICKER

Milestone Level:

☒ TPA M-45-05-T08
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE ALL START UP ACTIVITIES INCLUDING OPERATIONAL READINESS REVIEWS (ORR's), TEST PLANS, AND OPERATING TEST PROCEDURES (OTP's) IN ORDER TO START RETRIEVAL FROM ONE SST

Description of what Constitutes Completion of the Commitment:

COMPLETION OF ALL START UP DOCUMENTATION

Acceptance Criteria:

ALL DOCUMENTATION WILL BE APPROVED PER THE ISSTRS MANAGEMENT PLAN

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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WHC-SP-1101
REV.1

Milestone Control No. T2E-11-101
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 9/30/2011
ADS No: 1210

Title: INITIATE TANK WASTE RETRIEVAL
FROM 10 ADDITIONAL SINGLE-SHELL
TANK (M-45-05-T09)

Schedule ID: R00232C

Scheduler: BRICKER

Milestone Level:

☒ TPA M-45-05-T09
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE ALL START UP ACTIVITIES INCLUDING OPERATIONAL READINESS REVIEWS (ORR's), TEST PLANS, AND OPERATING TEST PROCEDURES (OTP's) IN ORDER TO START RETRIEVAL FROM ONE SST

Description of what Constitutes Completion of the Commitment:

COMPLETION OF ALL START UP DOCUMENTATION

Acceptance Criteria:

ALL DOCUMENTATION WILL BE APPROVED PER THE ISSTRS MANAGEMENT PLAN

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No. T2E-12-101
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 9/30/2012
ADS No: 1210

Title: INITIATE TANK WASTE RETRIEVAL
FROM 12 ADDITIONAL SINGLE-SHELL
TANK (M-45-05-T10)

Schedule ID: R00232D

Scheduler: BRICKER

Milestone Level:

☒ TPA M-45-05-T10
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE ALL START UP ACTIVITIES INCLUDING OPERATIONAL READINESS REVIEWS (ORR's), TEST PLANS, AND OPERATING TEST PROCEDURES (OTP's) IN ORDER TO START RETRIEVAL FROM ONE SST

Description of what Constitutes Completion of the Commitment:

COMPLETION OF ALL START UP DOCUMENTATION

Acceptance Criteria:

ALL DOCUMENTATION WILL BE APPROVED PER THE ISSTRS MANAGEMENT PLAN

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1

Milestone Control No. T2E-13-101
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 9/30/2013
ADS No: 1210

Title: INITIATE TANK WASTE RETRIEVAL
FROM 14 ADDITIONAL SINGLE-SHELL
TANK (M-45-05-T11)

Schedule ID: R00232E

Scheduler: BRICKER

Milestone Level:

☒ TPA M-45-05-T11
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE ALL START UP ACTIVITIES INCLUDING OPERATIONAL READINESS REVIEWS.
(ORR's), TEST PLANS, OPERATING TEST PROCEDURES, (OTP's) IN ORDER TO START RETRIEVAL
FROM ONE SST

Description of what Constitutes Completion of the Commitment:

COMPLETION OF ALL START UP DOCUMENTATION

Acceptance Criteria:

ALL DOCUMENTATION WILL BE APPROVED PER THE ISSTRS MANAGEMENT PLAN

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1

Milestone Control No. T2E-14-101
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 9/30/2014
ADS No: 1210

Title: INITIATE TANK WASTE RETRIEVAL
FROM 1 SINGLE AHELL TANK (M-45-05-
T01)

Schedule ID: R00232F

Scheduler: BRICKER

Milestone Level:

☒ TPA M-45-05-T12
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Complete all start up activities including Operational Readiness Reviews (ORR's), test plans, and Operating Test Procedures (OTP's) in order to start retrieval from one SST.

Description of what Constitutes Completion of the Commitment:

Completion of all start up documentation

Acceptance Criteria:

All documentation will be approved per the ISSTRS management plan.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No. T2E-15-101
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 9/30/2015
ADS No: 1210

Title: INITIATE TANK WASTE RETRIEVAL
FROM 20 ADDITIONAL SINGLE-SHELL
TANK (M-45-05-T13)

Schedule ID: R00232G

Scheduler: BRICKER

Milestone Level:

☒ TPA M-45-05-T13
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Complete all start up activites including Operational Readiness Reviews (ORR's), test plans, and Operating Test Procedures (OTP's) in order to start retrieval from one SST.

Description of what Constitutes Completion of the Commitment:

Completion of all start up documentation

Acceptance Criteria:

All documentation will be approved per the ISSTRS management plan.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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WHC-SP-1101
REV. 1

Milestone Control No. T2E-16-101
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 9/30/2016
ADS No: 1210
Schedule ID: R00232H

Title: INITIATE TANK WASTE RETRIEVAL
FROM 20 ADDITIONAL SINGLE-SHELL
TANK (M-45-05-T14)

Scheduler: BRICKER

Milestone Level:

☒ TPA M-45-05-T14
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Completion of all start up documentation

Description of what Constitutes Completion of the Commitment:

Completion of all start up documentation

Acceptance Criteria:

All documentation will be approved per the ISSTRS management plan.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
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WHC-SP-1101
REV. 1

Milestone Control No T2E-17-100
WBS Number 1.01.01.03.01.01.0001

Revision/CIN: 0
Due Date: 9/30/2017
ADS No: 1210

Title: SUBMIT ANNUAL UPDATES OF SST
RETRIEVAL SEQUENCE DOCUMENT
(M-45-02)

Schedule ID: R00100B

Scheduler: BRICKER

Milestone Level:	Deliverables	Addressed To:
☒ TPA M-45-02	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☐ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☐ DOE-RL	☒ Other (Specify)	
☐ Contractor	DOCUMENT	

Description of this Commitment:

BASED ON THE TWRS FLOW SHEET AND SYSTEM MODELS, PROVIDE A SINGLE-SHELL TANK RETIREVIAL SEQUENCE DOCUMENT THAT DEFINES THE TANK SELECTION CRITERIA, TANK SELECTION RATIONALE, REFERENCE RETRIEVAL METHODS FOR EACH TANK, AND THE ESTIMATED RETRIEVAL SCHEDULES.

Description of what Constitutes Completion of the Commitment:

SUBMIT THE SINGLE-SHELL TANK RETRIEVAL DOCUMENT TO DOE-RL FOR APPROVAL BY ECOLOGY.

Acceptance Criteria:

THE RETRIEVAL SEQUENCE DOCUMENT WILL REFLECT THE LATEST REVISION OF THE TWRS FLOW SHEET AND PROVDE A BASIS FOR RETRIEVAL PROJECT AND OPERATIONS SCHEDULES.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1

Milestone Control No. T2E-17-102
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 9/30/2017
ADS No: 1210
Schedule ID: R00232J

Title: INITIATE TANK WASTE RETRIEVAL
FROM 20 ADDITIONAL SINGLE-SHELL
TANK (M-45-05-T15)

Scheduler: BRICKER

Milestone Level:

☒ TPA M-45-05-T15
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Complete all start up activites including Operational Readiness Reviews (ORR's), test plans, and Operating Test Procedures (OTP's) in order to start retrieval from one SST.

Description of what Constitutes Completion of the Commitment:

Completion of all start up documentation

Acceptance Criteria:

All documentation will be approved per the ISSTRS management plan.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
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Milestone Control No T2E-18-100
WBS Number 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 9/30/2018
ADS No: 1210

Title: RETRIEVE WASTE FROM ALL
REMAINING SINGLE-SHELL TANKS (M-
45-05)

Schedule ID: R00232I

Scheduler: BRICKER

Milestone Level:	Deliverables	Addressed To:
☒ TPA M-45-05	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☒ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☐ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

DESIGN, PROCURE, CONSTRUCT, TEST, OPERATE, AND COMPLETE ALL DOCUMENTATION REQUIRED TO COMPLETE WASTE RETRIEVAL FROM ALL SINGLE-SHELL TANKS. RETRIEVAL TO BE ACCOMPLISHED AS INDICATED IN THE SINGLE-SHELL TANK RETRIEVAL SEQUENCE DOCUMENT.

Description of what Constitutes Completion of the Commitment:

ISSUE A LETTER DOCUMENTING THE COMPLETE WASTE RETRIEVAL FROM ALL SINGLE-SHELL TANKS.

Acceptance Criteria:

RETRIEVE AS MUCH TANK WASTE AS TECHNICALLY POSSIBLE, WITH TANK WASTE RESIDUES NOT TO EXCEED 360 CUBIC FEET (CU. FT.) IN EACH OF THE 100 SERIES TANKS, 30 CU FT IN EACH OF THE 200 SERIES TANKS, OR THE LIMIT OF WASTE RETRIEVAL TECHNOLOGY CAPABILITY, WHICHEVER IS LESS. IF THE DOE BELIEVES THAT WASTE RETRIEVAL TO THESE LEVELS IS NOT POSSIBLE FOR A TANK, THEN DOE WILL SUBMIT A DETAILED EXPLANATION TO EPA AND ECOLOGY EXPLAINING WHY THESE LEVELS CANNOT BE ACHIEVED, AND SPECIFYING THE QUALITIES OF WASTE THAT THE DOE PROPOSES TO LEAVE IN THE TANK. THE REQUEST WILL BE APPROVED OR DISAPPROVED BY EPA AND ECOLOGY ON A TANK-BY-TANK BASIS.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No. T2E-95-206

Revision/CIN: 0 M-45-95-01

WBS Number: 1.01.01.03.01.01

Due Date: 10/31/95

ADS No: 1210

Title: PROVIDE PRELIMINARY ASSESSMENT
REPORT FOR PROJECTED SST
LEAKAGE (M-45-08-T01)

Schedule ID: R00313D

Scheduler: BRICKER

Milestone Level:

Deliverables:

Addressed To:

☒ TPA M-45-08-T01
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

PROVIDE PRELIMINARY ASSESSMENT REPORT FOR PROJECTED SST LEAKAGE. SUCH ASSESSMENT TO PROJECT EXPECTED ENVIRONMENTAL CONTAMINATION AND GROUNDWATER HEALTH RISK USING EXISTING WASTE DATA.

Description of what Constitutes Completion of the Commitment:

APPENDIX C "PRELIMINARY RISK-BASED LEAKAGE THRESHOLDS FOR HANFORD SSTs" OF WHC-SD-WM-FRD-021 "FUNCTIONS AND REQUIREMENTS FOR HANFORD SINGLE SHELL LEAKAGE DETECTION AND MONITORING".

Acceptance Criteria:

TRANSMITTAL OF APPENDIX C OF WHC-SD-WM-FRD-021 TO THE STATE DEPARTMENT OF ECOLOGY BY DOE/RL.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No. T2E-96-138
WBS Number: 1.01.01.03.01.01.0003

Revision/CIN:
Due Date: 10/31/96
ADS No: 1210-4

Title: START RETRIEVAL - SECRETARIAL
SAFETY INITIATIVE (W-320)

Schedule ID: AMW2248

Scheduler: Bricker

Milestone Level:

☐ TPA
☒ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Completed ORR checklists.

Description of what Constitutes Completion of the Commitment:

Completion of WHC Readiness Review, Project pre-operational testing and operational procedures, and acceptance by operations.

Acceptance Criteria:

Receipt of key decision number 4 authorizing the initiation of sluicing.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
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**WHC-SP-1101
REV. 1**

Milestone Control No: T2E-96-139
WBS Number: 1.01.01.03.01.01.0003

Revision/CIN: 1 W320-051

Due Date: 9/30/96

ADS No: 1210-4

Title: COMPLETION CONSTRUCTION (W-320)

Schedule ID: AMW1835

Scheduler:

Milestone Level:

☐ TPA
☒ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC Project
Manager, DOE-

Description of this Commitment:

Completion of ATPs, issuance of all final construction acceptance test reports, completion of required construction punchlist activities, and formal acceptance of construction is forwarded by WHC & accepted by DOE-RL.

Description of what Constitutes Completion of the Commitment:

Completion of construction activities for Project W-320.

Acceptance Criteria:

-Letter from construction contractor(s) to WHC Project Manager stating their area(s) of responsibility is completed. - Letter from WHC Project manager to DOE-RL stating construction activities are completed on Project W-320.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No. T2E-96-140
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 9/30/96
ADS No: 1210

Title: SUBMIT ANNUAL PROGRESS REPORTS
ON THE DEVELOPMENT OF WASTE (M-
45-09A)

Schedule ID: R00313F

Scheduler: BRICKER

Milestone Level:

☒ TPA M-45-09A
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

SUBMIT ANNUAL PROGRESS REPORTS ON THE DEVELOPMENT OF WASTE TANK LEAK MONITORING/DETECTION AND MITIGATION ACTIVITIES IN SUPPORT OF M-45-08. REPORTS WILL PROVIDE A DESCRIPTION OF WORK ACCOMPLISHED UNDER M-45-08, TECHNOLOGIES, APPLICATION, COST, SCHEDULE, AND TECHNICAL DATA. REPORTS WILL ALSO EVALUATE DEMONSTRATIONS PERFORMED BY DOE AND PRIVATE INDUSTRY FOR APPLICABILITY TO SST RETRIEVAL AND PROVIDE RECOMMENDATIONS FOR FURTHER TESTING FOR USE IN RETRIEVAL OPERATIONS.

Description of what Constitutes Completion of the Commitment:

AN ANNUAL REPORT WHICH ADDRESSES: WORK ACCOMPLISHED IN THE PREVIOUS FISCAL YEAR, TECHNOLOGIES, APPLICATIONS, COSTS, SCHEDULE, TECHNICAL DATA, TECHNOLOGY DEMONSTRATIONS, AND RECOMMENDED FURTHER TESTING, WHICH HAS BEEN RELEASED BY WHC AS A SUPPORTING DOCUMENT.

Acceptance Criteria:

TRANSMITTAL OF ANNUAL REPORT TO THE WASHINGTON STATE DEPARTMENT OF ECOLOGY BY DOE-RL.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No. T2E-97-105

Revision/CIN: 0

WBS Number: 1.01.01.03.01.01

Due Date: 4/30/97

ADS No: 1210

Title: COMPLETE CONCEPTUAL DESIGN FOR
THE INITIAL SST RETRIEVAL SYSTEMS
(M-45-04A)

Schedule ID: R00227A

Scheduler: Bricker

Milestone Level:

☒ TPA M-45-04A
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETE CONCEPTUAL DESIGN FOR THE INITIAL SST RETRIEVAL SYSTEMS.

Description of what Constitutes Completion of the Commitment:

THE SYSTEM DESIGN DESCRIPTION WILL CONTAIN THE DESIGN CONCEPT FOR THE INITIAL SST RETRIEVAL SYSTEM.

Acceptance Criteria:

TRANSMITTAL OF THE ISSTRS SYSTEM DESIGN DESCRIPTION TO THE WASHINGTON STATE DEPARTMENT OF ECOLOGY BY DOE-RL.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No. T2E-97-106
WBS Number: 1.01.01.03.01.01.0005

Revision/CIN: 0
Due Date: 10/31/97
ADS No: 1210

Title: INITIATE SLUICING RETRIEVAL OF C-106 (M-45-03A)

Schedule ID: 05P3A

Scheduler: Bricker

Milestone Level:

☒ TPA M-45-03A
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

DESIGN, PROCURE, CONSTRUCT, TEST, COMPLETE ALL REQUIRED DOCUMENTATION, OBTAIN ALL NECESSARY PERMITS AND AUTHORIZATIONS TO INITIATE SLUICING RETRIEVAL OF TANK 241-C-106 TO RESOLVE THE HIGH-HEAT SAFETY ISSUE AND DEMONSTRATE WASTE RETRIEVAL.

Description of what Constitutes Completion of the Commitment:

ISSUE A LETTER DOCUMENTING THE START OF TANK 241-C-106 RETRIEVAL.

Acceptance Criteria:

COMPLIANCE WITH DOE ORDER 4700.1.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No. T2E-97-127
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 4/30/97
ADS No: 1210-0
Schedule ID: R00313E

Title: ESTABLISH THE CRITERIA THROUGH
STAKEHOLDER PARTICIPATION AND
ECOLOGY APPROVAL FOR: (1)
DETERMINING ALLOWABLE LEAKAGE
VOLUMES, (2) ACCEPTABLE LEAK
MONITORING / DETECTION AND
MITIGATION MEASURES NECESSARY
TO PERMIT SLUICING OPERATIONS

Scheduler: D. BRICKER

Milestone Level:

☒ TPA M-45-08-T02
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

ESTABLISH CRITERIA THROUGH STAKEHOLDER PARTICIPATION AND ECOLOGY APPROVAL FOR: (1) DETERMINING ALLOWABLE LEAKAGE VOLUMES, AND (2) ACCEPTABLE LEAK MONITORING/ DETECTION AND MITIGATION MEASURES NECESSARY TO PERMIT SLUICING OPERATIONS. CONSISTENT WITH THE AUTHORITIES GRANTED BY EPA AND THE STATE UNDER ITS DELEGATED HAZARDOUS WASTE MANAGEMENT PROGRAM. ECOLOGY WILL HAVE THE FINAL AUTHORITY IN ACCEPTABLE CRITERIA FOR THIS TARGET ACTIVITY.

Description of what Constitutes Completion of the Commitment:

AN INITIAL SINGLE SHELL TANK RETRIEVAL SYSTEM LEAK DETECTION, MONITORING , AND MITIGATION STRATEGY DOCUMENT, WHICH HAS UNDERGONE A STAKEHOLDER INTERACTION PROCESS, AND HAS ALL COMMENTS DISPOSITIONED.

Acceptance Criteria:

WASHINGTON STATE DEPARTMENT OF ECOLOGY APPROVAL OF THE INITIAL SINGLE SHELL TANK RETRIEVAL SYSTEM LEAK DETECTION , MONITORING, AND MITIGATION STRATEGY DOCUMENT.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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Milestone Control No. T2E-97-128
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0 M-45-95-01

Due Date: 9/30/97

ADS No: 1210

Title: SUBMIT ANNUAL PROGRESS REPORTS
ON THE DEVELOPMENT OF WASTE
TANK LEAK MONITORING/DETECTION
AND MITIGATION ACTIVITIES IN
SUPPORT OF M-45-08 (M-45-09B)

Schedule ID: R00315B

Scheduler: BRICKER

Milestone Level:

☒ TPA M-45-09B
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

SUBMIT ANNUAL PROGRESS REPORTS ON THE DEVELOPMENT OF WASTE TANK LEAK MONITORING/DETECTION AND MITIGATION ACTIVITIES IN SUPPORT OF M-45-08. REPORTS WILL PROVIDE A DESCRIPTION OF WORK ACCOMPLISHED UNDER M-45-08, TECHNOLOGIES, APPLICATION, COST, SCHEDULE, AND TECHNICAL DATA. REPORTS WILL ALSO EVALUATE DEMONSTRATIONS PERFORMED BY DOE AND PRIVATE INDUSTRY FOR APPLICABILITY TO SST RETRIEVAL AND PROVIDE RECOMMENDATIONS FOR FURTHER TESTING FOR USE IN RETRIEVAL OPERATIONS.

Description of what Constitutes Completion of the Commitment:

AN ANNUAL REPORT WHICH ADDRESSES: WORK ACCOMPLISHED IN THE PREVIOUS FISCAL YEAR, TECHNOLOGIES, APPLICATIONS, COSTS, SCHEDULE, TECHNICAL DATA, TECHNOLOGY DEMONSTRATIONS, AND RECOMMEND FURTHER TESTING, WHICH HAS BEEN RELEASED BY WHC AS A SUPPORTING DOCUMENT.

Acceptance Criteria:

TRANSMITTAL OF THE ANNUAL REPORT TO THE WASHINGTON STATE DEPARTMENT OF ECOLOGY BY DOE-RL.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No T2E-98-101
WBS Number 1.01.01.03.01.01.0002

Revision/CIN: 0 M-45-95-01
Due Date: ~~6/3/99~~ 2/2/98
ADS No: 1210

Title: SUBMIT ANNUAL PROGRESS REPORTS
ON THE DEVELOPMENT OF WASTE
TANK LEAK MONITORING/DETECTION
AND MITIGATION ACTIVITIES IN
SUPPORT OF M-45-08 (M-45-09C)

Schedule ID: R00315C

Scheduler: BRICKER

Milestone Level:

☒ TPA M-45-09C
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

COMPLETED TPA MILESTONE M-45-09C

Description of what Constitutes Completion of the Commitment:

AN ANNUAL REPORT WHICH ADDRESSES: WORK ACCOMPLISHED IN THE PREVIOUS FISCAL YEAR, TECHNOLOGIES, APPLICATIONS, COSTS, SCHEDULE, TECHNICAL DATA, TECHNOLOGY DEMONSTRATIONS, AND RECOMMEND FURTHER TESTING, WHICH HAS BEEN RELEASED BY WHC AS A SUPPORTING DOCUMENT.

Acceptance Criteria:

TRANSMITTAL OF THE ANNUAL REPORT TO THE WASHINGTON STATE DEPARTMENT OF ECOLOGY BY DOE-RL.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

*TPA Baseline date is:

9/30/98

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Milestone Control No T2E-99-100
WBS Number 1.01.01.03.01.01.0001

Revision/CIN: 0
Due Date: 9/30/99
ADS No: 1210

Title: SUBMIT ANNUAL UPDATE OF SST
RETRIEVAL SEQUENCE DOCUMENT
FOR ECOLOGY APPROVAL (M-45-02D)

Schedule ID: R00100D

Scheduler: Bricker

Milestone Level:	Deliverables	Addressed To:
☒ TPA M-45-02D	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☐ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☐ DOE-RL	☒ Other (Specify)	
☐ Contractor	Document	

Description of this Commitment:

BASED ON THE TWRS FLOWSHEET AND SYSTEM MODELS, PROVIDE A SINGLE-SHELL TANK RETRIEVAL SEQUENCE DOCUMENT THAT DEFINES THE TANK SELECTION CRITERIA, TANK SELECTION RATIONALE, REFERENCE RETRIEVAL METHODS FOR EACH TANK, AND THE ESTIMATED RETRIEVAL SCHEDULES.

Description of what Constitutes Completion of the Commitment:

SUBMIT THE SINGLE-SHELL TANK RETRIEVAL DOCUMENT TO DOE-RL FOR APPROVAL BY ECOLOGY.

Acceptance Criteria:

THE RETRIEVAL SEQUENCE DOCUMENT WILL REFLECT THE LATEST REVISION OF THE TWRS FLOWSHEET AND PROVIDE A BASIS FOR RETRIEVAL PROJECT AND OPERATIONS SCHEDULES.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No. T31-96-001
WBS Number: 1.01.01.03.01.01.0003

Revision/CIN: 1
Due Date: 3/29/96
ADS No: 1210-4

Title: COMPLETE INTER-FARM PIPELINE (W-320)

Schedule ID: CCR4206M

Scheduler: NATION

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Completed Inter-Farm pipeline.

Description of what Constitutes Completion of the Commitment:

Complete installation, contractor acceptance testing, backfill and berm over Inter-farm pipe.

Acceptance Criteria:

WHC project manager to issue letter to RL TWP stating the Inter-farm pipeline is completed.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1**

Milestone Control No. T31-96-002
WBS Number: 1.01.01.03.01.01.0003

Revision/CIN: 1 W320-051

Due Date: 5/10/96

ADS No: 1210-4

Title: COMPLETE C-106 CHILLER SKID
INSTALL (W320)

Schedule ID: CCR435723M

Scheduler: NATION

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Installed C-106 chiller skid.

Description of what Constitutes Completion of the Commitment:

Complete Installation and construction acceptance testing of the C-106 chiller skid.

Acceptance Criteria:

WHC Project Manager to issue letter to RL TWP stating the C-106 Chiller skid installation has been completed.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No. T31-96-004
WBS Number: 1.01.01.03.01.01.0003

Revision/CIN: 1 W320-051

Due Date: 8/2/96

ADS No: 1210-4

Title: COMPLETE AY-FARM SLUICING
SYSTEM INSTALL (W-320)

Schedule ID: CCR441420M

Scheduler: NATION

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

INSTALLED AY-FARM SLUICING SYSTEM.

Description of what Constitutes Completion of the Commitment:

COMPLETE INSTALLATION AND CONSTRUCTION ACCEPTANCE TESTING OF SLUICE PUMP,
SLURRY DISTRIBUTOR AND JUMPERS.

Acceptance Criteria:

WHC PROJECT MANAGER TO ISSUE LETTER TO RL TWP STATING THE AY-FARM SLUICING
SYSTEM INSTALLATION HAS BEEN COMPLETED.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No. T31-96-005
WBS Number: 1.01.01.03.01.01.0003

Revision/CIN: 1. w320-051

Due Date: 8/2/96

ADS No: 1210-4

Title: Complete C-Farm Sluicing System Install
(W320)

Schedule ID: CCR431530M

Scheduler: NATION

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Installed C-Farm sluicing system:

Description of what Constitutes Completion of the Commitment:

Complete C-Farm pit modifications, pump, sluicer, and jumper installations. Perform construction acceptance test and complete punch list.

Acceptance Criteria:

WHC Project Manager to issue letter to RL TWP stating the C-Farm sluicing system installation has been completed.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No. T31-96-012
WBS Number: 1.01.01.03.01.01.0003

Revision/CIN: 1 W320-051

Due Date: 6/28/96

ADS No: 1210-4

Title: COMPLETE C-FARM ENCASED PIPING
(W-320)

Schedule ID: CCR432105M

Scheduler: NATION

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Completed C-Farm Encased piping.

Description of what Constitutes Completion of the Commitment:

Complete installation and construction acceptance testing, and backfill of the C-Farm encased piping.

Acceptance Criteria:

WHC Project Manager to issue letter to RL TWP stating the C-Farm encased piping is completed.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No. T31-96-013
WBS Number: 1.01.01.03.01.01.0003

Revision/CIN: 1 W320-051

Due Date: 6/28/96

ADS No: 1210-4

Title: COMPLETE AY-FARM ENCASED PIPING
(W-320)

Schedule ID: CCR442220M

Scheduler: NATION

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Completed AY-Farm encased piping.

Description of what Constitutes Completion of the Commitment:

Complete installation and construction acceptance testing, and backfill of the AY-Farm encased piping.

Acceptance Criteria:

WHC Project Manager to issue letter to RL TWP stating the AY-Farm encased piping is completed.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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WHC-SP-1101
REV. 1

Milestone Control No. T31-96-200
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 9/30/96
ADS No: 1210-0

Title: ACTR Summary Report for FY96

Schedule ID: ROO203M
Scheduler: Nation

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC

Description of this Commitment:

Issue ACTR summary report for FY96.

Description of what Constitutes Completion of the Commitment:

A report which summarizes the work done to date to identify promising commercial retrieval technologies and innovate contracting options. Comparisons will be made against the existing SST baseline of sluicing and the DST baseline of Mixer Pumps to identify potential cost/schedule/risk benefits. This milestone will be complete when the document has been approved and released.

Acceptance Criteria:

The document has been reviewed and approved by WHC Retrieval Engineering and Programs.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No. T31-96-215
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 2/1/97
ADS No: 1210-0
Schedule ID: R0091M4

Title: SYSTEMS DEFINITION REVIEW
MEETING

Scheduler: D. BRICKER

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

SDR MEETING MINUTES, ACTIONS, TERMS

Description of what Constitutes Completion of the Commitment:

COMPLETION OF THE SYSTEMS DEFINITION REVIEW MEETING FOR THE INITIAL SINGLE SHELL TANK RETRIEVAL SYSTEM TASK

Acceptance Criteria:

ISSUE OF MEETING MINUTES TO DOE RL FOR INFORMATION

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No. T31-96-218
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 3/8/96
ADS No: 1210-0
Schedule ID: R0025M

Title: INITIAL SINGLE-SHELL TANK
RETRIEVAL SYSTEM FUNCTIONAL
DESIGN CRITERIA

Scheduler: D. BRICKER

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

INITIAL SINGLE-SHELL TANK RETRIEVAL SYSTEM FUNCTIONAL DESIGN, CRITERIA FOR THE RETRIEVAL OF WASTE FROM THE FIRST SINGLE-SHELL TANK FARM

Description of what Constitutes Completion of the Commitment:

OFFICIAL PUBLIC RELEASE OF INITIAL SINGLE-SHELL TANK RETRIEVAL SYSTEM FUNCTIONAL DESIGN CRITERIA

Acceptance Criteria:

APPROVED, RELEASED FUNCTIONALDESIGN CRITERIA FOR THE INITIAL SINGLE-SHELL TANK RETRIEVAL SYSTEM TASK "STAMPED" BY 3/8/96

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No. T31-96-220
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 10/15/96
ADS No: 1210-0

Title: LDM STRATEGY DOCUMENT
COMMENTS

Schedule ID: R0068M2

Scheduler: BRICKER

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

DOE RL COMMENTS ON LDM STRATEGY DOCUMENT

Description of what Constitutes Completion of the Commitment:

DOE RL COMMENTS ON LDM STRATEGY DOCUMENT

Acceptance Criteria:

DOE RL COMMENTS TRANSMITTED TO WHC BY 6-01-96

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No. T31-96-222
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 11/10/96
ADS No: 1210-0

Title: LDM STRATEGY DOCUMENT
TRANSMITTED

Schedule ID: R0068M4

Scheduler: D. BRICKER

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
W DOE

Description of this Commitment:

APPROVED LDM STRATEGY DOCUMENT AND LETTER OF TRANSMITTAL

Description of what Constitutes Completion of the Commitment:

DOE APPROVAL OF LDM STRATEGY DOCUMENT AND TRANSMITTED TO WASHINGTON DEPT
OF ECOLOGY (W DOE) FOR APPROVAL

Acceptance Criteria:

LDM STRATEGY DOCUMENT APPROVED BY RL AND TRANSMITTED TO W DOE BY 6-21-96

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No. T31-96-223
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 12/18/96
ADS No: 1210-0

Title: LDM STRATEGY DOCUMENT
APPROVAL

Schedule ID: R0068M5

Scheduler: D. BRICKER

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

APPROVAL / CONCURRENCE LETTER FROM W DOE TO DOE RL

Description of what Constitutes Completion of the Commitment:

WASHINGTON DEPT OF ECOLOGY APPROVAL OF OR CONCURRENCE WITH THE LDM
STRATEGY DOCUMENT

Acceptance Criteria:

LETTER FROM W DOE INDICATING APPROVAL OR CONCURRENCE RECIEVED BY DOE RL BY 12-
18-96

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No. T31-96-225
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 5/15/96
ADS No: 1210-0

Title: LDM STRATEGY DOCUMENT

Schedule ID: R0066M2
Scheduler: D. BRICKER

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Define the strategy and provide the basis for the approach for leak detection, monitoring, and mitigation activities through trade study findings.

Description of what Constitutes Completion of the Commitment:

Approved, released LDM strategy document transmitted to DOE-RL for review

Acceptance Criteria:

Released document transmittal to DOE RL by 5-15-96

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No. T31-96-226
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 6/1/96
ADS No: 1210-0

Title: LDM DECISION POINT REVIEW

Schedule ID: R0066M3
Scheduler: D. BRICKER

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

DECISION POINT REVIEW MEETING MINUTES AND ACTION ITEM LIST

Description of what Constitutes Completion of the Commitment:

CONDUCT DECISION POINT REVIEW FOR LDM ACTIVITIES RELATED TO THE INITIAL SINGLE-SHELL TANK RETRIEVAL SYSTEM TASK

Acceptance Criteria:

COMPLETE DECISION POINT REVIEW MEETING MINUTES AND ACTION ITEM LIST
TRANSMITTED TO DOE RL BY 6-20-96

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No. T31-96-235
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 8/15/96
ADS No: 1210-0

Title: BEGIN DOE RL STAKEHOLDER
INTERACTION PROCESS

Schedule ID: R0067M2

Scheduler: D. BRICKER

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
Stakeholders

Description of this Commitment:

LETTER FROM DOE RL TO STAKEHOLDERS

Description of what Constitutes Completion of the Commitment:

INITIATION OF THE STAKEHOLDER INTERACTION PROCESS BY ISSUING A LETTER INFORMING THEM OF THE APPROACH SELECTED FOR THE RETRIEVAL OF WASTE FROM THE FIRST SINGLE-SHELL TANK FARM

Acceptance Criteria:

PROCESS INITIATED BY THE ISSUANCE OF THE LETTER BY THE RL

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No. T31-96-247

Revision/CIN: 0

WBS Number: 1.01.01.03

Due Date: 12/15/95

ADS No: 1210

Title: SUBMIT ISSTRS MISSION ANALYSIS TO
DOE-RL FOR REVIEW

Schedule ID: R0014M1

Scheduler: BRICKER

Milestone Level:

Deliverables:

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
WHC
SUPPORTING

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

A WHC RELEASED ISSTRS MISSION ANALYSIS WILL BE SENT TO DOE-RL FOR REVIEW

Description of what Constitutes Completion of the Commitment:

MISSION ANALYSIS TO DOE-RL FOR REVIEW

Acceptance Criteria:

A WHC RELEASED COPY OF THE ISSTRS MISSION ANALYSIS SENT TO DOE-RL FOR REVIEW

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No. T31-96-248

Revision/CIN: 0

WBS Number: 1.01.01.03

Due Date: 10/15/96

ADS No: 1210

Title: SUBMIT ISSTRS ICD TO DOE-RL FOR
REVIEW

Schedule ID: R0050M1

Scheduler: BRICKER

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
WHC
SUPPORTING

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

A WHC RELEASED COPY OF THE ISSTRS INTERFACE CONTROL DOCUMENT SENT TO DOE-RL FOR REVIEW

Description of what Constitutes Completion of the Commitment:

SUBMIT INTERFACE CONTROL DOCUMENT TO RL FOR REVIEW

Acceptance Criteria:

A WHC RELEASED COPY OF THE ISSTRS INTERFACE CONTROL DOCUMENT SENT TO DOE-RL FOR REVIEW

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No. T31-97-200
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 9/30/97
ADS No: 1210-0

Title: ACTR FINAL REPORT FOR FY97

Schedule ID: R00204M
Scheduler: BRICKER

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

ISSUE ACTR FINAL REPORT FOR FY97

Description of what Constitutes Completion of the Commitment:

A REPORT WHICH DOCUMENTS THE WORK DONE TO DATE TO IDENTIFY PROMISING COMMERCIAL RETRIEVAL TECHNOLOGIES AND INOVATIVE CONTRACTING OPTIONS. COMPARISONS WILL BE MADE AGAINST THE EXISTING SST BASELINE OF SLUICING AND THE DST BASELINE OF MIXER PUMPS TO IDENTIFY POTENTIAL COST/SCHEDULE/RISK BENEFITS. THIS MILESTONE WILL BE COMPLETE WHEN THE DOCUMENT HAS BEEN APPROVED AND RELEASED

Acceptance Criteria:

THE DOCUMENT HAS BEEN REVIEWED AND APPROVED BY WHC RETRIEVAL ENGINEERING AND PROGRAMS.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No. T31-97-214
WBS Number: 1.01.01.03.01.01.0002

Revision/CIN: 0
Due Date: 3/1/97
ADS No: 1210-0
Schedule ID: R0091M2

Title: INCORPERATE SYSTEM DEFINITION
REVIEW COMMENTS AND TRANSMIT
TO RL

Scheduler: D. BRICKER

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

UPDATED SYSTEM DESIGN DESCRIPTION INCORPORATING SYSTEM DEFINITION REVIEW
COMMENTS FOR PUBLIC RELEASE

Description of what Constitutes Completion of the Commitment:

RELEASED SYSTEM DESIGN DESCRIPTION INCORPORATING THE SYSTEM DEFINITION REVIEW
COMMENTS

Acceptance Criteria:

REVISED SYSTEM DESIGN DESCRIPTION TRANSMITTED TO RL BY 7-24-97

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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1.1.1.3.01.02 DST Retrieval

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.3.01.02.03	W-151 Construction Complete	DOE-RL T2E-95-102		29DEC95
1.1.1.3.01.02.03	W-151 ORR/Startup Complete	DOE-RL T2E-96-102		30SEP96
1.1.1.3.01.02.04	W-211 TANK 3 CONSTRUCTION COMPLETE	DOE-RL T31-00-101		29SEP00
1.1.1.3.01.02.04	W-211 TANK 5 TITLE II DESIGN COMPLETE	DOE-RL T31-00-102		30SEP00
1.1.1.3.01.02.04	W-211 TANK 6 TITLE II DESIGN COMPLETE	DOE-RL T31-00-103		30SEP00
1.1.1.3.01.02.04	W-211 TANK 3 OPERATION	DOE-RL T31-00-104		31MAR01
1.1.1.3.01.02.04	W-211 TANK 4 CONSTRUCTION COMPLETE	DOE-RL T31-01-101		31MAR01
1.1.1.3.01.02.04	W-211 TANK 4 OPERATION	DOE-RL T31-01-102		30JUN01
1.1.1.3.01.02.04	W-211 TANK 5 CONSTRUCTION COMPLETE	DOE-RL T31-02-100		01APR02
1.1.1.3.01.02.04	W-211 TANK 5 OPERATION	DOE-RL T31-02-101		01JUL02
1.1.1.3.01.02.06	Test Plan for AZ-101 Int Mix Pmp & Sludge Wash	DOE-RL T31-96-032		01MAR96
1.1.1.3.01.02.04	W-211 TANK 1 PART B REVISION COMPLETE	DOE-RL T31-96-102		29SEP97
1.1.1.3.01.02.04	W-211 SAFETY ASSESSMENT COMPLETE	DOE-RL T31-96-103		31MAR96
1.1.1.3.01.02.04	W-211 TANK 1 TITLE II DESIGN COMPLETE	DOE-RL T31-97-100		31MAR97

WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

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1.1.1.3.01.02 DST Retrieval

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.3.01.02.04	W-211 TANK 1 CONSTRUCTION COMPLETE	DOE-RL T31-98-101		31MAR98
1.1.1.3.01.02.04	W-211 TANK 2 TITLE II DESIGN COMPLETE	DOE-RL T31-98-102		31MAR98
1.1.1.3.01.02.04	W-211 TANK 1 OPERATION	DOE-RL T31-98-103		31AUG98
1.1.1.3.01.02.04	W-211 TANK 2 CONSTRUCTION COMPLETE	DOE-RL T31-99-101		31MAR99
1.1.1.3.01.02.04	W-211 TANK 3 TITLE II DESIGN COMPLETE	DOE-RL T31-99-102		31DEC98
1.1.1.3.01.02.04	W-211 TANK 4 TITLE II DESIGN COMPLETE	DOE-RL T31-99-103		30SEP99
1.1.1.3.01.02.04	W-211 TANK 2 OPERATION	DOE-RL T31-99-104		28SEP99

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REV. 1

Milestone Control No. T2E-95-102
WBS Number: 1.01.01.03.01.02.0003

Revision/CIN: 1 W151-035

Due Date: 12/29/95

ADS No: 1210-2

Title: W-151 CONSTRUCTION COMPLETE

Schedule ID: R0D140-1

Scheduler: NATION

Milestone Level:

Deliverables:

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC Retrieval
Program

Description of this Commitment:

Activity includes all construction efforts needed to complete the mixer pump installation and all ancillary equipment. Work includes installation of an electrical/instrumentation building with a transformer and substation for mixer pump electrical, removal of existing thermocouples, installation of new thermocouples, and fabrication of equipment to monitor sludge mobilization.

Description of what Constitutes Completion of the Commitment:

Issue a letter to the Waste Retrieval Program Office documenting completion of construction and approval of the Official Acceptance of Construction, Part I.

Acceptance Criteria:

Approval of the official Acceptance of Construction, Part I.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No. T2E-96-102
WBS Number: 1.01.01.03.01.02.0003

Revision/CIN: 0
Due Date: 9/30/96
ADS No: 1210-2

Title: W-151- ORR/STARTUP COMPLETE

Schedule ID: R0D160-1
Scheduler: NATION

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC Retrieval
Program

Description of this Commitment:

This activity includes all work necessary to prepare for startup of the mixer pumps in tank 101-AZ. Included are all readiness activities, changes to existing operating procedures as well as developing new operating procedures, operator training, changes to facility descriptions, and updates to the facility FSAR.

Description of what Constitutes Completion of the Commitment:

Issue a letter to the Waste Retrieval Program Office documenting completion of the ORR/Startup activities.

Acceptance Criteria:

Completion of the Operation Readiness Review and approval to begin operations.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No. T31-00-101

Revision/CIN: 0

WBS Number: 1.01.01.03.01.02

Due Date: 9/30/2000

ADS No: 1210-3

Title: W-211 TANK 3 CONSTRUCTION

Schedule ID: RO15C4M

Scheduler: NATION

Milestone Level:

- ☐ TPA
- ☐ DOE-HQ
- ☐ DOE-FO
- ☒ DOE-RL
- ☐ Contractor

Deliverables:

- ☐ Report
- ☐ Letter
- ☐ Drawing
- ☒ Other (Specify)
OAC

Addressed To:

- ☐ DOE-HQ
- ☒ DOE-RL
- ☐ Other (Specify)

Description of this Commitment:

Transmittal of Official Acceptance of Construction document to RL for approval.

Description of what Constitutes Completion of the Commitment:

Project W-211 will install equipment in select DSTs for mixing waste and pumping the mixed waste from the tank. Construction of the new systems will be accomplished by CPAF and fixed-price contractor.

Acceptance Criteria:

Construction completion with a minor list of exceptions satisfactory to RL.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1**

Milestone Control No. T31-00-102
WBS Number: 1.01.01.03.01.02

Revision/CIN: 0
Due Date: 9/30/2000
ADS No: 1210-3

Title: W-211 TANK 5 TITLE II DESIGN

Schedule ID: RO15E1M
Scheduler: NATION

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☒ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
N/A

Description of this Commitment:

Drawings and specifications released for construction.

Description of what Constitutes Completion of the Commitment:

Drawings and specifications will be prepared for the CPAF and fixed-price construction activities. Procurement specifications will also be prepared for the advanced equipment procurement. Releasing the final design package "approved for construction" constitutes milestone completion.

Acceptance Criteria:

A design package that fully describes the required construction activities, receiving approval of the WHC project manager.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No. T31-00-103

Revision/CIN: 0

WBS Number: 1.01.01.03.01.02

Due Date: 9/30/2000

ADS No: 1210-3

Title: W-211 TANK 6 TITLE II DESIGN

Schedule ID: RO15F1M

Scheduler: NATION

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☒ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
NA

Description of this Commitment:

Drawings and specifications released for construction

Description of what Constitutes Completion of the Commitment:

Drawings and specifications will be prepared for the CPAF and fixed-price construction activities. Procurement specifications will also be prepared for the advanced equipment procurement. Releasing the final design package " approved for construction " constitutes milestone completion.

Acceptance Criteria:

A design package that fully describes the required construction activities, receiving approval of the WHC project manager.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No. T31-00-104

Revision/CIN: 0

WBS Number: 1.01.01.03.01.02

Due Date: 3/31/2001

ADS No: 1210-0

Title: W-211 TANK 3 OPERATION

Schedule ID: RO16C1M

Scheduler: NATION

Milestone Level:

Deliverables:

Addressed To:

- ☐ TPA
- ☐ DOE-HQ
- ☐ DOE-FO
- ☒ DOE-RL
- ☐ Contractor

- ☐ Report
- ☒ Letter
- ☐ Drawing
- ☐ Other (Specify)

- ☐ DOE-HQ
- ☐ DOE-RL
- ☒ Other (Specify)
WHC

Description of this Commitment:

Transmittal of the readiness assessment package to RL, certifying readiness, and requesting RL approval to operate.

Description of what Constitutes Completion of the Commitment:

Prior to RL granting approval to operate the project-supplied retrieval systems construction must be finished, operating procedures written, operating personnel trained, and testing complete. A readiness assessment will be performed by the contractor to validate readiness to operate regarding people, paper, and equipment. After readiness assessment completion the contractor will request RL approval to operate. RL will transmit letter granting permission to begin operation. Transmitting the readiness certification package to RL at least 14 days prior to the operation milestone constitutes completion.

Acceptance Criteria:

RL Project Manager's concurrence on the contractor letter to DOE.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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**WHC-SP-1101
REV. 1**

Milestone Control No. T31-01-101

Revision/CIN: 0

WBS Number: 1.01.01.03.01.02

Due Date: 3/31/2001

ADS No: 1210-3

Title: W-211 TANK 4 CONSTRUCTION

Schedule ID: RO15D4M

Scheduler: NATION

Milestone Level:

Deliverables:

Addressed To:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☐ Letter

☒ DOE-RL

☐ DOE-FO

☐ Drawing

☐ Other (Specify)

☒ DOE-RL

☒ Other (Specify)

☐ Contractor

OAC

Description of this Commitment:

Transmittal of Official Acceptance of Construction document to RL for approval.

Description of what Constitutes Completion of the Commitment:

Project W-211 will install equipment in select DSTs for mixing waste and pumping the mixed waste from the tank. Construction of the new systems will be accomplished by CPAF and fixed-price contractors.

Acceptance Criteria:

Construction completion with a minor list of exceptions satisfactory to RL.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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WHC-SP-1101
REV. 1

Milestone Control No. T31-01-102

Revision/CIN: 0

WBS Number: 1.01.01.03.01.02

Due Date: 6/30/2001

ADS No: 1210-3

Title: W-211 TANK 4 OPERATION

Schedule ID: RO16D1M

Scheduler: NATION

Milestone Level:

Deliverables:

Addressed To:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☒ Letter

☐ DOE-RL

☐ DOE-FO

☐ Drawing

☒ Other (Specify)

☒ DOE-RL

☐ Other (Specify)

WHC

☐ Contractor

Description of this Commitment:

Transmittal of the readiness assessment package to RL, certifying readiness, and requesting RL approval to operate.

Description of what Constitutes Completion of the Commitment:

Prior to RL granting approval to operate the project-supplied retrieval systems construction must be finished, operating procedures written, operating personnel trained, and testing complete. A readiness assessment will be performed by the contractor to validate readiness to operate regarding people, paper, and equipment. After readiness assessment completion the contractor will request RL approval to operate. RL will transmit letter granting permission to begin operation. Transmitting the readiness certification package to RL at least 14 days prior to the operation milestone constitutes completion.

Acceptance Criteria:

RL Project Manager's concurrence on the contractor letter to DOE.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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WHC-SP-1101
REV. 1

Milestone Control No. T31-02-100

Revision/CIN: 0

WBS Number: 1.01.01.03.01.02

Due Date: 3/31/2002

ADS No: 1210-3

Title: W-211 TANK 5 CONSTRUCTION

Schedule ID: RO15E4M

Scheduler: NATION

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
OAC

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Transmittal of Official Acceptance of Construction document to RL for approval.

Description of what Constitutes Completion of the Commitment:

Project W-211 will install equipment in select DSTs for mixing waste and pumping the mixed waste from the tank. Construction of the new systems will be accomplished by CPAF and fixed-price contractors.

Acceptance Criteria:

Construction completion with a minor list of exceptions satisfactory to RL.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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**WHC-SP-1101
REV. 1**

Milestone Control No T31-02-101
WBS Number 1.01.01.03.01.02.0004

Revision/CIN: 0
Due Date: 6/30/2002
ADS No: 1210-3
Schedule ID: RO16E1M
Scheduler: NATION

Title: W-211 TANK 5 OPERATION

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
WHC

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Transmittal of the readiness assessment package to RL, certifying readiness, and requesting RL approval to operate.

Description of what Constitutes Completion of the Commitment:

Prior to RL granting approval to operate the project-supplied retrieval systems construction must be finished, operating procedures written, operating personnel trained, and testing complete. A readiness assessment will be performed by the contractor to validate readiness to operate regarding people, paper, and equipment. After readiness assessment completion the contractor will request RL approval to operate. RL will transmit letter granting permission to begin operation. Transmitting the readiness certification package to RL at least 14 days prior to the operation milestone constitutes completion.

Acceptance Criteria:

RL Project Manager's concurrence on the contractor letter to DOE.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No. T31-96-032
WBS Number: 1.01.01.03.01.02.0006

Revision/CIN: 0
Due Date: 3/1/96
ADS No: 1210
Schedule ID: R00115C

Title: TEST PLAY FOR TANK AZ-101
INTEGRATED MIXER AND SLUDGE
WASHING PROCESS TEST

Scheduler: NATION

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WASTE
RETRIEVAL

Description of this Commitment:

THE DELIVERABLE WILL BE A CONTRACTOR APPROVED INTEGRATED TEST PLAN

Description of what Constitutes Completion of the Commitment:

A PROCESS TEST WILL BE PERFORMED IN DOUBLE SHELL TANK 241-AZ-101 WITH THE DUAL PURPOSE OF (1) TO EVALUATE THE PERFORMANCE AND OPERATION OF MIXER PUMPS TO MOBILIZE WASTE FOR RETRIEVAL AND (2) DEMONSTRATE THAT IN-TANK SLUDGE WASHING AND SOLID LIQUID SEPARATION CAN PRODUCE CLEAR SOLUTIONS FOR DECANTING AND CESIUM REMOVAL IN A DOWN STREAM FACILITY AND PRODUCE WASHED INSOLUBLE SLUDGE READY FOR HLW/TRV VITRIFICATION. TO BE SUCCESSFUL AT ACHIEVING THESE OBJECTIVES, A TEST PLAN IS REQUIRED TO INTEGRATE BOTH PHASES OF TESTING.

Acceptance Criteria:

AN INTEGRATED TEST PLAN WILL BE APPROVED AND ISSUED AS A SUPPORTING DOCUMENT

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No. T31-96-102
WBS Number: 1.01.01.03.01.02.0004

Revision/CIN: 0
Due Date: 9/30/97
ADS No: 1210-3

Title: W-211 TANK 1 PART B REVISION

Schedule ID: RO122AM
Scheduler: NATION

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
Ecology

Description of this Commitment:

Data package fully describing DST waste retrieval for inclusion in the annual Part B update.

Description of what Constitutes Completion of the Commitment:

The current Part B permit documentation describes operation of the double-shell tank farms, without the retrieval systems to be installed by Project W-211. The Part B will be modified to include appropriate information related to tank waste retrieval.

Acceptance Criteria:

A documentation package that includes sufficient W-211 design and operation information resulting in few if any questions from the State prior to their acceptance.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No. T31-96-103

Revision/CIN: 0

WBS Number: 1.01.01.03.01.02

Due Date: 3/31/96

ADS No: 1210-3

Title: W-211 SAFETY ASSESSMENT

Schedule ID: RO1231M

Scheduler: NATION

Milestone Level:

Deliverables:

Addressed To:

☐ TPA

☒ Report

☐ DOE-HQ

☐ DOE-HQ

☐ Letter

☒ DOE-RL

☐ DOE-FO

☐ Drawing

☐ Other (Specify)

☒ DOE-RL

☐ Other (Specify)

☐ Contractor

Description of this Commitment:

Safety assessment document transmitted to RL for approval.

Description of what Constitutes Completion of the Commitment:

A safety assessment shall be prepared to determine the possible hazards related to the project, calculate consequences of accidents, identify need for mitigating features, and conclude the system can operate within acceptance criteria.

Acceptance Criteria:

Complete SA meeting DOE/WHC standards for this type of safety analysis. Document shall include analysis of generic features from the Title I report, Supplement 1.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No. T31-97-100

Revision/CIN: 0

WBS Number: 1.01.01.03.01.02

Due Date: 3/31/97

ADS No: 1210-3

Title: W-211 TANK 1 TITLE II DESIGN

Schedule ID: RO151A1M

Scheduler: NATION

Milestone Level:

Deliverables:

Addressed To:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☐ Letter

☐ DOE-RL

☐ DOE-FO

☒ Drawing

☒ Other (Specify)

☒ DOE-RL

☐ Other (Specify)

N/A

☐ Contractor

Description of this Commitment:

Drawings and specifications released for construction.

Description of what Constitutes Completion of the Commitment:

Drawings and specifications will be prepared for the CPAF and fixed-price construction activities. Procurement specifications will also be prepared for the advanced equipment procurement. Releasing the final design package "approved for construction" constitutes milestone completion.

Acceptance Criteria:

A design package that fully describes the required construction activities, receiving approval of the WHC project manager.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No. T31-98-101

Revision/CIN: 0

WBS Number: 1.01.01.03.01.02

Due Date: 3/31/98

ADS No: 1210-3

Title: W-211 TANK 1 CONSTRUCTION

Schedule ID: RO15A4M

Scheduler: NATION

Milestone Level:

Deliverables:

Addressed To:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☐ Letter

☒ DOE-RL

☐ DOE-FO

☐ Drawing

☐ Other (Specify)

☒ DOE-RL

☒ Other (Specify)

☐ Contractor

OAC

Description of this Commitment:

Transmittal of Official Acceptance of Construction document for RL for approval.

Description of what Constitutes Completion of the Commitment:

Project W-211 will install equipment in select DSTs for mixing waste and pumping the mixed waste from the tank. Construction of the new systems will be accomplished by CPAF and fixed-price contractors.

Acceptance Criteria:

Construction completion with a minor list of exceptions satisfactory to RL.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No. T31-98-102

Revision/CIN: 0

WBS Number: 1.01.01.03.01.02

Due Date: 3/31/98

ADS No: 1210-3

Title: W-211 TANK 2 TITLE II DESIGN

Schedule ID: RO15B1M

Scheduler: NATION

Milestone Level:

Deliverables:

Addressed To:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☐ Letter

☐ DOE-RL

☐ DOE-FO

☒ Drawing

☒ Other (Specify)

☒ DOE-RL

☐ Other (Specify)

N/A

☐ Contractor

Description of this Commitment:

Drawings and specifications released for construction.

Description of what Constitutes Completion of the Commitment:

Drawings and specifications will be prepared for the CPAF and fixed-price construction activities. Procurement specifications will also be prepared for the advanced equipment procurement. Releasing the final design package "approved for construction" constitutes milestone completion.

Acceptance Criteria:

A design package that fully describes the required construction activities, receiving approval of the WHC project manager.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No. T31-98-103

Revision/CIN: 0

WBS Number: 1.01.01.03.01.02

Due Date: 8/31/98

ADS No: 1210-3

Title: W-211 TANK 1 OPERATION

Schedule ID: RO16A1M

Scheduler: NATION

Milestone Level:

Deliverables:

Addressed To:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☒ Letter

☐ DOE-RL

☐ DOE-FO

☐ Drawing

☒ Other (Specify)

☒ DOE-RL

☐ Other (Specify)

WHC

☐ Contractor

Description of this Commitment:

Transmittal of the readiness assessment package to RL, certifying readiness, and requesting RL approval to operate.

Description of what Constitutes Completion of the Commitment:

Prior to RL granting approval to operate the project-supplied retrieval systems construction must be finished, operating procedures written, operating personnel trained, and testing complete. A readiness assessment will be performed by the contractor to validate readiness to operate regarding people, paper, and equipment. After readiness assessment completion the contractor will request RL approval to operate. RL will transmit letter granting permission to begin operation. Transmitting the readiness certification package to RL at least 14 days prior to the operation milestone constitutes completion.

Acceptance Criteria:

RL Project Manager's concurrence on the contractor letter to DOE.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System**

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Milestone Description Sheet

**WHC-SP-1101
REV. 1**

Milestone Control No. T31-99-101

Revision/CIN: 0

WBS Number: 1.01.01.03.01.02

Due Date: 3/31/99

ADS No: 1210-3

Title: W-211 TANK 2 CONSTRUCTION

Schedule ID: RO15B4M

Scheduler: NATION

Milestone Level:

Deliverables:

Addressed To:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☐ Letter

☒ DOE-RL

☐ DOE-FO

☐ Drawing

☐ Other (Specify)

☒ DOE-RL

☒ Other (Specify)

☐ Contractor

OAC

Description of this Commitment:

Transmittal of Official Acceptance of Construction document to RL for approval.

Description of what Constitutes Completion of the Commitment:

Project W-211 will install equipment in select DSTs for mixing waste and pumping the mixed waste from the tank. Construction of the new systems will be accomplished by CPAF and fixed-price contractors.

Acceptance Criteria:

Construction completion with a minor list of exceptions satisfactory to RL.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No. T31-99-102

Revision/CIN: 0

WBS Number: 1.01.01.03.01.02

Due Date: 12/31/98

ADS No: 1210-3

Title: W-211 TANK 3 TITLE II DESIGN

Schedule ID: RO15C1M

Scheduler: NATION

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☒ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
N/A

Description of this Commitment:

Drawings and specifications released for construction.

Description of what Constitutes Completion of the Commitment:

Drawings and specifications will be prepared for the CPAF and fixed-price construction activities. Procurement specifications will also be prepared for the advanced equipment procurement. Releasing the final design package "approved for construction" constitutes milestone completion.

Acceptance Criteria:

A design package that fully describes the required construction activities, receiving approval of the WHC project manager.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No. T31-99-103

Revision/CIN: 0

WBS Number: 1.01.01.03.01.02

Due Date: 9/30/99

ADS No: 1210-3

Title: W-211 TANK 4 TITLE II DESIGN

Schedule ID: RO15D1M

Scheduler: NATION

Milestone Level:

Deliverables:

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☐ Letter
☒ Drawing
☐ Other (Specify)

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
N/A

Description of this Commitment:

Drawings and specifications released for construction.

Description of what Constitutes Completion of the Commitment:

Drawings and specifications will be prepared for the CPAF and fixed-price construction activities. Procurement specifications will also be prepared for the advanced equipment procurement. Releasing the final design package "approved for construction" constitutes milestone completion.

Acceptance Criteria:

A design package that fully describes the required construction activities, receiving approval of the WHC project manager.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Date Milestone Was Completed

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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Rev.0

**WHC-SP-1101
REV. 1**

Milestone Control No. T31-99-104

Revision/CIN: 0

WBS Number: 1.01.01.03.01.02

Due Date: 9/30/99

ADS No: 1210-3

Title: W-211 TANK 2 OPERATION

Schedule ID: RO16B1M

Scheduler: NATION

Milestone Level:

Deliverables:

Addressed To:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☒ Letter

☐ DOE-RL

☐ DOE-FO

☐ Drawing

☒ Other (Specify)

☒ DOE-RL

☐ Other (Specify)

WHC

☐ Contractor

Description of this Commitment:

Transmittal of the readiness assessment package to RL, certifying readiness, and requesting RL approval to operate.

Description of what Constitutes Completion of the Commitment:

Prior to RL granting approval to operate the project-supplied retrieval systems construction must be finished, operating procedures written, operating personnel trained, and testing complete. A readiness assessment will be performed by the contractor to validate readiness to operate regarding people, paper, and equipment. After readiness assessment completion the contractor will request RL approval to operate. RL will transmit letter granting permission to begin operation. Transmitting the readiness certification package to RL at least 14 days prior to the operation milestone constitutes completion.

Acceptance Criteria:

RL Project Manager's concurrence on the contractor letter to DOE.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

PAGE NO. 37

1.1.1.3.01.03 Tank Farm Closure

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.3.01.03.02	M-45-06-T01 SUBMIT DRFT CLOSE PLAN 1ST TNK FARM	TPA-T T2E-05-102		30NOV04
1.1.1.3.01.03.02	M-45-06-T02 ISSUE FINAL APPROVED CLOSURE PLAN	TPA-T T2E-06-102		29SEP06
1.1.1.3.01.03.02	M-45-06-T03 INIT CLOSURE ACTIONS ON OP UNIT	TPA-T T2E-12-102	02APR12	
1.1.1.3.01.03.02	M-45-06-T04 COMPLETE CLOSURE ACTIONS ON OP UNIT	TPA-T T2E-14-102		31MAR14
1.1.1.3.01.03.02	M-45-00 COMPLETE CLOSURE OF all SST TF	TPA-M T2E-24-100		30SEP24
1.1.1.3.01.03.02	M-45-06 COMPLETE CLOSURE OF SST TF	TPA-I T2E-24-101		30SEP24
1.1.1.3.01.03.01	M-45-02A SUBMIT INITIAL SST WR DOC FOR ECOLOGY	TPA-I T2E-96-101		30SEP96
1.1.1.3.01.03.01	M-45-02B SUBMIT ANNUAL SST WR UPDATE	TPA-I T2E-97-104		30SEP97
1.1.1.3.01.03.01	M-45-02C SUBMIT ANNUAL SST WR SEQ DOC TO ECOL	TPA-I T2E-98-100		30SEP98
1.1.1.3.01.03.01	Issue Retrieval Sequence Decision Document	DOE-RL T31-96-249		31JAN96

A12-1

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No. T2E-05-102
WBS Number: 1.01.01.03.01.03.0002

Revision/CIN: 0
Due Date: 11/30/2004
ADS No: 1210
Schedule ID: R00316A

Title: SUBMIT TANK CLOSURE/POST-
CLOSURE PLAN FOR SELECTED
CLOSURE DEMONSTRATION
OPERABLE UNIT OR TANK FARM TO
ECOLOGY FOR APPROVAL (M-45-06-
T01)

Scheduler: BRICKER

Milestone Level:

Deliverables:

Addressed To:

☒ TPA M-45-06-T01
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Submit tank closure/post closure plan for selected closure demonstration operable unit or tank farm.

Description of what Constitutes Completion of the Commitment:

Submission of plan to Ecology that meets negotiated criteria between stakeholders & Ecology.

Acceptance Criteria:

Reviewed and approved by Retrieval Program and accepted by DOE RL.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No. T2E-06-102
WBS Number: 1.01.01.03.01.03.0002

Revision/CIN: 0
Due Date: 9/30/06
ADS No: 1210
Schedule ID: R00316B

Title: ECOLOGY WILL ISSUE FINAL
CLOSURE/POST CLOSURE PLAN FOR
SELECTED CLOSURE
DEMONSTRATION OPERABLE UNIT OR
TANK FARM (M-45-06-T02)

Scheduler: BRICKER

Milestone Level:

☒ TPA M-45-06-T02
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Ecology will issue final closure/post closure plan for selected closure demonstration operable unit or tank farm.

Description of what Constitutes Completion of the Commitment:

Issuance of written plan acceptable to stakeholders and edology.

Acceptance Criteria:

Reviewed and approved by Retrieval program and accepted by DOE RL.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System**

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Milestone Description Sheet

**WHC-SP-1101
REV. 1**

Milestone Control No. T2E-12-102
WBS Number: 1.01.01.03.01.03.0002

Revision/CIN: 0
Due Date: 3/31/2012
ADS No: 1210

Title: INITIATE CLOSURE ACTIONS ON AN
OPERABLE UNIT OR TANK FARM
BASIS (M-45-06-T03)

Schedule ID: R00236A

Scheduler: BRICKER

Milestone Level:

Deliverables:

Addressed To:

☒ TPA M-45-06-T03
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Initiate closure actions on an operable unit or tank farm basis for SST's.

Description of what Constitutes Completion of the Commitment:

Closure shall follow completion of the retrieval actions under milestone M-45-05. Final closure is defined as regulatory approval of completion of closure actions.

Acceptance Criteria:

Closure will be defined in the approved closure plan for the demonstration farm.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No. T2E-14-102
WBS Number: 1.01.01.03.01.03.0002

Revision/CIN: 0
Due Date: 3/31/2014
ADS No: 1210

Title: COMPLETE CLOSURE ACTIONS ON AN
OPERABLE UNIT OR TANK FARM
BASIS (M-45-06-T04)

Schedule ID: R00236B

Scheduler: BRICKER

Milestone Level:

☒ TPA M-45-06-T04
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Complete closure actions on one operable unit or tank farm

Description of what Constitutes Completion of the Commitment:

Final closure is defined as regulatory approval of completion of closure actions

Acceptance Criteria:

Closure will be defined in the approved closure plan for the demonstration farm. (M-45-06-T02)

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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Rev.0

Milestone Control No T2E-24-100
WBS Number 1.01.01.03.01.03.0002

Revision/CIN: 0
Due Date: 9/30/2024
ADS No: 1210

Title: COMPLETE CLOSURE OF ALL SINGLE
SHELL TANK FARMS (M-45-00)

Schedule ID: R00234A

Scheduler: BRICKER

Milestone Level:

☒ TPA M-45-00
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

CLOSURE WILL FOLLOW RETRIEVAL OF AS MUCH TANK WASTE AS TECHNICALLY POSSIBLE, WITH TANK WASTE RESIDUES NOT TO EXCEED 360 CUBIC FEET (CU FT) IN EACH OF THE 100 SERIES TANKS, 30 CU FT IN EACH OF THE 200 SERIES TANKS, OR THE LIMIT OF WASTE RETRIEVAL TECHNOLOGY CAPABILITY, WHICHEVER IS LESS. IF THE DOE BELIEVES THAT WASTE RETRIEVAL TO THESE LEVELS IS NOT POSSIBLE FOR A TANK, THEN DOE WILL SUBMIT A DETAILED EXPLANATION TO EPA AND ECOLOGY EXPLAINING WHY THESE LEVELS CANNOT BE ACHIEVED, AND SPECIFYING THE QUANTITIES OF WASTE THAT THE DOE PROPOSES TO LEAVE IN THE TANK. THE REQUEST WILL BE APPROVED OR DISAPPROVED BY EPA AND ECOLOGY ON A TANK-BY-TANK BASIS. FOLLOWING COMPLETION OF RETRIEVAL, SIX OPERABLE UNITS (TANK FARMS), AS DESCRIBED IN APPENDIX C OF THE TRI-PARTY AGREEMENT (200-BP-7, 200-PO-3, 200-RO-4, 200-TP-5, 200-TP-6, 200-UP-3), WILL BE REMEDIATED IN ACCORDANCE WITH THE APPROVED CLOSURE PLANS. FINAL CLOSURE OF THE OPERABLE UNITS (TANK FARMS) SHALL BE DEFINED AS REGULATORY APPROVAL OF COMPLETION OF CLOSURE ACTIONS AND COMMENCEMENT OF POST-CLOSURE ACTIONS.

Description of what Constitutes Completion of the Commitment:

COMPLETION OF CLOSURE ACTIONS WILL BE DOCUMENTED IN A REPORT TO RL.

Acceptance Criteria:

EACH TANK FARM WILL BE CLOSED IN ACCORDANCE WITH WAS 173-303-610.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No. T2E-24-101
WBS Number: 1.01.01.03.01.03.0002

Revision/CIN: 0
Due Date: 9/30/2024
ADS No: 1210

Title: COMPLETE CLOSURE OF ALL SINGLE-SHELL TANK FARMS (M-45-06)

Schedule ID: R00234B

Scheduler: BRICKER

Milestone Level:

☒ TPA M-45-06
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

THE SINGLE-SHELL TANK CLOSURE WORK PLAN WILL BE PREPARED DESCRIBING THE WORK INTEGRATION PROCESS FOR SINGLE-SHELL TANK CLOSURES AND STATUS OF WORK AND INTEGRATION PROCESS. KNOWN ISSUES WILL BE IDENTIFIED AND AN EXPLANATION WILL BE GIVEN ON HOW THESE ISSUES ARE BEING ADDRESSED. THIS WORK PLAN WILL BE PROVIDED TO ECOLOGY FOR REVIEW/COMMENT AND WILL BE USED AS A ROAD MAP FOR CLOSURE PROCESS, THE WORK PLAN WILL EVOLVE AS THESE UNCERTAINTIES ARE RESOLVED AND EVENTUALLY IT WILL BECOME THE SST CLOSURE/POST-CLOSURE PLAN(S) ISSUED FOR ECOLOGY'S APPROVAL UNDER SUBSEQUENT TPA INTERIM MILESTONES. MAJOR WORK AREAS COVERED IN THE WORK PLAN WILL INCLUDE WASTE RETRIEVAL, OPERABLE UNITS CHARACTERIZATION, TECHNOLOGIES DEVELOPMENT TO SUPPORT CLOSURE, REGULATORY PATHWAY AND STRATEGY FOR ACHIEVING CLOSURE.

Description of what Constitutes Completion of the Commitment:

SUBMIT TANK CLOSURE/POST-CLOSURE PLAN FOR ECOLOGY APPROVAL.

Acceptance Criteria:

TBD - CRITERIA WILL BE DEVELOPED UPON COMPLETION OF THE TWRS EIS.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No. T2E-96-101
WBS Number: 1.01.01.03.01.03.0001

Revision/CIN: 0
Due Date: 9/30/96
ADS No: 1210

Title: SUBMIT INITIAL SST RETRIEVAL
SEQUENCE DOCUMENT FOR ECOLOGY
APPROVAL (M-45-02A)

Schedule ID: R00100A

Scheduler:

Milestone Level:

Deliverables:

Addressed To:

☒ TPA M-45-02A
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

BASED ON THE TWRS FLOW SHEET AND SYSTEM MODELS, PROVIDE A SINGLE-SHELL TANK RETRIEVAL SEQUENCE DOCUMENT THAT DEFINES THE TANK SELECTION CRITERIA, TANK SELECTION RATIONALE, REFERENCE RETRIEVAL METHODS FOR EACH TANK, AND THE ESTIMATED RETRIEVAL SCHEDULES.

Description of what Constitutes Completion of the Commitment:

SUBMIT THE SINGLE-SHELL TANK RETRIEVAL DOCUMENT TO DOE-RL FOR APPROVAL BY ECOLOGY.

Acceptance Criteria:

THE RETRIEVAL SEQUENCE DOCUMENT WILL REFLECT THE LATEST REVISION OF THE TWRS FLOW SHEET AND PROVIDE A BASIS FOR RETRIEVAL PROJECT AND OPERATIONS SCHEDULES.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No. T2E-97-104

Revision/CIN: 0

WBS Number: 1.01.01.03.01.03.0001.0001

Due Date: 9/30/97

ADS No: 1210

Title: SUBMIT ANNUAL UPDATE OF SST
RETRIEVAL SEQUENCE DOCUMENT
FOR ECOLOGY APPROVAL (M-45-02B)

Schedule ID: R00100C

Scheduler: Bricker

Milestone Level:

Deliverables:

Addressed To:

☒ TPA M-45-02B
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

BASED ON THE TWRS FLOWSHEET AND SYSTEM MODELS, PROVIDE A SINGLE-SHELL TANK RETRIEVAL SEQUENCE DOCUMENT THAT DEFINES THE TANK SELECTION CRITERIA, TANK SELECTION RATIONALE, REFERENCE RETRIEVAL METHODS FOR EACH TANK, AND THE ESTIMATED RETRIEVAL SCHEDULES.

Description of what Constitutes Completion of the Commitment:

SUBMIT THE SINGLE-SHELL TANK RETRIEVAL DOCUMENT TO DOE-RL FOR APPROVAL ECOLOGY.

Acceptance Criteria:

THE RETRIEVAL SEQUENCE DOCUMENT WILL REFLECT THE LATEST REVISION OF THE TWRS FLOWSHEET AND PROVIDE A BASIS FOR RETRIEVAL PROJECT AND OPERATIONS SCHEDULE.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No. T2E-98-100
WBS Number: 1.01.01.03.01.03.0001

Revision/CIN: 0
Due Date: 9/30/98
ADS No: 1210

Title: SUBMIT ANNUAL UPDATE OF SST
RETRIEVAL SEQUENCE DOCUMENT
FOR ECOLOGY APPROVAL (M-45-02C)

Schedule ID: R00100E

Scheduler: Bricker

Milestone Level:

☒ TPA M-45-02C
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

BASED ON THE TWRS FLOWSHEET AND SYSTEM MODELS, PROVIDE A SINGLE-SHELL TANK RETRIEVAL SEQUENCE DOCUMENT THAT DEFINES THE TANK SELECTION CRITERIA, TANK SELECTION RATIONALE, REFERENCE RETRIEVAL METHODS FOR EACH TANK, AND THE ESTIMATED RETRIEVAL SCHEDULES.

Description of what Constitutes Completion of the Commitment:

SUBMIT THE SINGLE-SHELL TANK RETRIEVAL DOCUMENT TO DOE-RL FOR APPROVAL BY ECOLOGY.

Acceptance Criteria:

THE RETRIEVAL SEQUENCES DOCUMENT WILL REFLECT THE LATEST REVISION OF THE TWRS FLOWSHEET AND PROVIDE A BASIS FOR RETRIEVAL PROJECT AND OPERATIONS SCHEDULES.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No. T31-96-249
WBS Number: 1.01.01.03.01.03.0001

Revision/CIN: 0
Due Date: 1/31/96
ADS No: 1210
Schedule ID: ROA400-3BM

Title: ISSUANCE RETRIEVAL SEQUENCE
DECISION DOCUMENT

Scheduler: BRICKER

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WASTE
RETRIEVAL

Description of this Commitment:

ISSUE A LETTER REPORT TO THE WASTE RETRIEVAL PROJECT DOCUMENTING THE SST/DST RETRIEVAL SEQUENCE DECISION BASIS FOR IMPLEMENTATION AS PART OF THE INITIAL SST RETRIEVAL SEQUENCE DOCUMENT.

Description of what Constitutes Completion of the Commitment:

IDENTIFY AND DOCUMENT THE PROGRAMITIC AND TECHNICAL ASSUMPTIONS AND CRITERIA IN THE TWRS BASELINE AND OPERATING SCENARIO NECESSARY TO ESTABLISH AN SST RETRIEVAL SEQUENCE. INCLUDE PERFORMANCE REQUIREMENTS AND CRITERIA (e.g. feed specifications), AS WELL AS, UNIT OPERATION FORMULATION (e.g., water and caustic waste factor), WITH JUSTIFICATIONS.

Acceptance Criteria:

CRITERIA AND ASSUMPTIONS ARE TO BE REVIEWED AND APPROVED BY A REPRESENTATIVE DISPOSAL ENGINEERING PANEL.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

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1.1.1.3.02 Low Level Waste

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.3.02.02.07	FSAR Review Comments Phase I	DOE-RL T32-00-002		29SEP00
1.1.1.3.02.01.07	FSAR Review Comments Phase I	DOE-RL T32-00-004		29SEP00
1.1.1.3.02.01.09	Initiate Cold & Hot Operations Immob Sys	DOE-RL T32-02-001		15DEC00
1.1.1.3.02.02.09	Initiate Cold & Hot Ops/LLW Immob Support Syst	DOE-RL T32-02-003		15DEC00
1.1.1.3.02.02.05	Initiate Cold Ops of LLW Pretreat/Immobil Facili	DOE-RL T32-02-005	31JAN02	
1.1.1.3.02.02.04	Issue of Final RFP - Phase II	DOE-RL T32-04-001		07JAN04
1.1.1.3.02.01.08	Complete Phase I Production Operations (Initial)	DOE-RL T32-05-001		31DEC04
1.1.1.3.02.02.04	Phase II Contract Award	DOE-RL T32-05-003		07JAN05
1.1.1.3.02.02.08	Complete Initial Phase I Ops/LLW Immobili Facili	DOE-RL T32-05-004		30DEC04
1.1.1.3.02.02.07	PSAR Review Comments Phase II	DOE-RL T32-06-001		31AUG06
1.1.1.3.02.01.07	PSAR Review Comments Phase II	DOE-RL T32-06-002		30AUG06
1.1.1.3.02.02.07	Complete Conceptual Design Phase II LLW	DOE-RL T32-06-003	03OCT05	
1.1.1.3.02.02.07	Key Decision 3/4, Appr Comme Constr/Ops Phase II	DOE-RL T32-09-001	01OCT08	
1.1.1.3.02.02.07	FSAR Review Comments Phase II	DOE-RL T32-10-001		30APR10

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WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

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1.1.1.3.02 Low Level Waste

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.3.02.02.07	Design, Construct, Startup Utilit/Supp Sys Ph II	DOE-RL T32-10-002		01JUL10
1.1.1.3.02.01.07	FSAR Review Comments Phase II	DOE-RL T32-10-003		30APR10
1.1.1.3.02.01.07	Design, Construct, Startup Utilities/Support Sys	DOE-RL T32-10-004		01JUL10
1.1.1.3.02.01.08	Complete Phase I Production Operations (Cont.)	DOE-RL T32-11-001		31DEC10
1.1.1.3.02.02.08	Complete Cont. Phase I Ops/LLW Immobili Facility	DOE-RL T32-11-002		30DEC10
1.1.1.3.02.01.09	Complete Phase I Production Operations	DOE-RL T32-11-003		17JUN09
1.1.1.3.02.02.09	Complete Phase I Ops/LLW Immobili Support System	DOE-RL T32-11-004		17JUN09
1.1.1.3.02.01.09	Complete Phase II Production Operations	DOE-RL T32-22-003		28SEP20
1.1.1.3.02.02.09	Complete Phase II Ops/LLW Immobili Support Syste	DOE-RL T32-22-004		24SEP20
1.1.1.3.02.01.11	Complete Phase II Pretreat Facility D&D (Vendor)	DOE-RL T32-27-002		09DEC25
1.1.1.3.02.02.11	Complete Phase II Immobili Facility D&D (Vendor)	DOE-RL T32-27-004		06NOV26
1.1.1.3.02.01.09	Complete Post Production Operations	DOE-RL T32-28-001		10JAN28
1.1.1.3.02.02.09	Compl Deactivation/LLW Immobiliz Support Systems	DOE-RL T32-28-002		22NOV27
1.1.1.3.02.02.01	Submit to WHC Prog Baseline Integ OutYear ADS	DOE-RL T32-28-003		11DEC28

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WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

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1.1.1.3.02 Low Level Waste

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.3.02.02.01	Submit to TWRS Program Integrated Outyear MYPP	DOE-RL T32-28-004		03APR29
1.1.1.3.02.02.01	Submit FY 98 ADS to WHC Program Baseline Integ	DOE-RL T32-96-001		31MAY96
1.1.1.3.02.02.01	Submit 97 Multi-Year Prog. Plan to TWRS Prog Int	DOE-RL T32-96-002		13SEP96
1.1.1.3.02.02.03	Issue of 1 Draft RFP for Privatization Phase I	DOE-RL T32-96-004	15NOV95	
1.1.1.3.02.02.03	Issue Final RFP Phase I	DOE-RL T32-96-005		15MAR96
1.1.1.3.02.02.03	Award Phase I Contract	DOE-RL T32-96-006		30AUG96
1.1.1.3.02.02.07	Issue Approved Site Evaluation Report Phase I	DOE-RL T32-96-009		15MAR96
1.1.1.3.02.01.07	Issue Approved Site Evaluation Report Phase I	DOE-RL T32-96-010		15MAR96
1.1.1.3.02.01.02	Issue LLW Feed Staging Plan	DOE-RL T32-96-020		01NOV95
1.1.1.3.02.01.02	Issue Preliminary Feed Staging Plan	DOE-RL T32-96-022		15FEB96
1.1.1.3.02.01.02	Confirmation of Preliminary Feed Staging Plan	DOE-RL T32-96-023		15AUG96
1.1.1.3.02.02.02	LLW Gaseous Effluents Performance Requirements	DOE-RL T32-96-025		30AUG96
1.1.1.3.02.02.02	Issue 242A Life Extension Study	DOE-RL T32-96-026		30SEP99
1.1.1.3.02.02.01	ADS Preparation FY97: LLW Immobilization	DOE-RL T32-97-001		30MAY97

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WESTINGHOUSE HANFORD COMPANY
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1.1.1.3.02 Low Level Waste

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WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.3.02.02.01	Submit 98 Multi-Year Prog. Plan to TWRS Prog Int	DOE-RL T32-97-002		12SEP97
1.1.1.3.02.02.01	Submit FY 98 ADS to WHC Program Baseline Integ	DOE-RL T32-98-001		29MAY98
1.1.1.3.02.02.01	Submit 98 Multi-Year Prog. Plan to TWRS Prog Int	DOE-RL T32-98-002		11SEP98
1.1.1.3.02.02.07	PSAR Review Comments Phase I	DOE-RL T32-98-005		30SEP98
1.1.1.3.02.01.07	PSAR Review Comments Phase I	DOE-RL T32-98-009		30SEP98
1.1.1.3.02.02.05	M-50-02-T01 Finish Construct of Phase I Facility	TPA-T T3A-04-100		04JAN02
1.1.1.3.02.02.05	M-50-02/05 Hot Startup LLW Pretreat/Immobl Fac	TPA-I T3A-05-100		31JUL02
1.1.1.3.02.01.08	M-50-00 Complete Phase II Production Operations	TPA-M T3A-28-100		19APR22
1.1.1.3.02.02.05	M-50-01 Start Construction of Phase I Facilities	TPA-I T3A-99-101	04JAN00	
1.1.1.3.02.02.08	M-60-00 Complete Phase II Ops/LLW Immobil Fac	TPA-M T3B-28-100		20APR22

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Tank Waste Remediation System

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Milestone Description Sheet

WHC-SP-1101
REV. 1

Milestone Control No T32-96-001

Revision/CIN: 0

WBS Number 1.01.01.03.02.01.0001.0002

Due Date: 5/31/96

ADS No: 1230

Title: Complete LLW Pretreatment/LLW
Immobilization Input to the FY 1998 ADS
Budget Submittal

Schedule ID: L1W01100A

Scheduler: Blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
ADS Budget
Summittal

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

The ADS is developed from activities in the Multi-Year Program Plan (MYPP) with detailed narrative describing the workscope in the planning year. Budget and funding level reconcile to ADS Targets.

Description of what Constitutes Completion of the Commitment:

This milestone will be considered complete when the RL approved LLW Pretreatment/LLW Immobilisation ADS has been submitted to WHC Baseline Integration.

Acceptance Criteria:

Approval of the FY 1998 ADS for the LLW Pretreatment and LLW Immobilization Sub-Projects, ADSs 1220 & 1230 by WHC and RL. The FY 1998 ADS will include budget and funding levels reconciled to that years target.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T32-96-002

Revision/CIN: 0

WBS Number 1.01.01.03.02.01.0001.0002

Due Date: 9/16/96

ADS No: 1230

Title: Complete LLW Pretreatment/LLW
Immobilization Input to the FY 1997 Multi-
Year Program Plan

Schedule ID: L1W01110A

Scheduler: blethen

Milestone Level:

Deliverables:

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Multi-Year
Work Plan

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Work scope to be included in the three year window of the Multi-Year Program Plan (MYPP) is developed from the higher level MYPP activities by breaking down the activities into more detailed units of work for the three year window beginning in FY 1997. Products to be included are WBS Dictionaries written at the activity (Level 5) and cost account (Level 6) levels, program logic and schedules, milestone description sheets, cost baselines in the form of cost account schedules, activity planning forms and basis of estimates.

Description of what Constitutes Completion of the Commitment:

This milestone will be considered complete when the LLW Pretreatment/LLW Immobilization Multi-Year Program Plan is transmitted to RL.

Acceptance Criteria:

Planning products will comply with RL standards. MYPP will be approved by WHC and RL.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No T32-96-004
WBS Number 1.01.01.03.02.02.0003

Revision/CIN: 0
Due Date: 11/15/95
ADS No: 1230-0
Schedule ID: L2D03010A

Title: Issuance of One Draft Request of Proposal of
Privatization Phase I

Scheduler: Blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Draft Request
for Proposal

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Prepare for publication a Draft RFP for Private sector involvement in Tank Waste Remediation System (TWRS) in the Commerce Business Daily (CBD).

Description of what Constitutes Completion of the Commitment:

The publication of the Draft RFP for Private sector involvement in Tank Waste Remediation System (TWRS), in the Commerce Business Daily (CBD) publication, and its dissemination to the public, signifying the completion of this milestone.

Acceptance Criteria:

The dissemination of the Draft RFP through the CBD publication. DELERABLES: Prepare, package, and publish, one Draft RFP for publication in the CBD for public reading.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No T32-96-005
WBS Number 1.01.01.03.02.02.0003

Revision/CIN: 0
Due Date: 3/15/96
ADS No: 1230-0

Title: Issuance of Final Request for Proposal (RFP)
Phase I

Schedule ID: L2D03010C

Scheduler: Blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Prepare a final RFP for private sector involvement in Tank Waste Remediation System (TWRS), in the Commerce Business Daily (CBD) publication.

Description of what Constitutes Completion of the Commitment:

The publication of the final RFP for private sector involvement in the Tank Waste Remediation System (TWRS), in the Commerce Business Daily (CBD) publication, and its dissemination to the public, signifying the completion of this milestone.

Acceptance Criteria:

The dissemination of the Final RFP through the CBD publication.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T32-96-006
WBS Number 1.01.01.03.02.02.0003

Revision/CIN: 0
Due Date: 8/30/96
ADS No: 1230-0

Title: Contract Award Phase I

Schedule ID: L2D03020A
Scheduler: blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Contract Award

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

The writing and issuing of contracts to 3 vendors for Phase I Tank Waste Remediation System (TWRS) privatization.

Description of what Constitutes Completion of the Commitment:

The emminant selection and award of 3 vendor contracts for Phase I Tank Waste Remediation System (TWRS) privatization efforts.

Acceptance Criteria:

The acceptance and contractual signing of 3 vendor contracts, by the selected vendors for the Privatization of TWRS.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No T32-96-009

Revision/CIN: 0

WBS Number 1.01.01.03.02.02.0007.0005

Due Date: 3/15/96

ADS No: 1230-0

Title: ISSUE APPROVED SITE EVALUATION
REPORT, PHASE I LLW
IMMOBILIZATION SUPPORT SYSTEMS
ACQUISITION

Schedule ID: L2W07510A

Scheduler: Blethen

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC

Description of this Commitment:

Select the site for the Phase I Privatization demonstration plants.

Description of what Constitutes Completion of the Commitment:

Prepare and issue WHC approved Site Evaluation Preport for the Privatization deomonstration plants for Phase I.

Acceptance Criteria:

N/A

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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Milestone Control No T32-96-010

Revision/CIN: 0

WBS Number 1.01.01.03.02.01.0007.0005

Due Date: 3/15/96

ADS No: 1230

Title: Issue Approve Site Evaluation Report, Phase
I LLW Pretreatment Support Systems
Acquisition

Schedule ID: L1W07510A

Scheduler: Blethen

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC

Description of this Commitment:

Select the site for the Phase I Privatization demonstration plants.

Description of what Constitutes Completion of the Commitment:

Prepare and issue WHC approved Site Evaluation Report for the Privatization demonstration plants for Phase I.

Acceptance Criteria:

N/A

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1

Milestone Control No T32-96-020
WBS Number 1.01.01.03.02.01.0002.0009

Revision/CIN: 0
Due Date: 11/1/95
ADS No: 1230
Schedule ID: L1W02742A
Scheduler: Blethen

Title: Issue Feed Staging Feasibility Study

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Evaluate DST supernatant waste compositions and tank farm configuration and operation constraints to determine the feasibility of providing a total of 4 million gallons of low-level liquid waste from 3 waste types to two private vendor feed tanks. The expected result of the study is that the goal is feasible. The study is expected to establish a basis for further work by identifying candidate tanks to take the waste from, the transfer routes to use to move the waste, issues associated with provision of the waste to the vendor feed tanks, and actions needed to make sure the M&O contractor can provide the waste to the vendor feed tanks.

Description of what Constitutes Completion of the Commitment:

WHC-External letter approved by appropriate organizations.

Acceptance Criteria:

Study addresses the volume of waste (4 M gal) and three types of waste.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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WHC-SP-1101
REV. 1

Milestone Control No T32-96-022

Revision/CIN: 0

WBS Number 1.01.01.03.02.01.0002.0009

Due Date: 2/15/96

ADS No: 1230

Title: Issue Preliminary Feed Staging Plan

Schedule ID: L1W02746A

Scheduler: Blethen

Milestone Level:

Deliverables:

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Review and approve preliminary feed staging plan. See T32-96-021 for further description of preliminary feed staging plan.

Description of what Constitutes Completion of the Commitment:

WHC SD approved by appropriate WHC organizations and LLW DOE Project monitor.

Acceptance Criteria:

Plan identifies tanks and amounts of waste required to provide 4 M gal of waste consisting of three types.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1

Milestone Control No T32-96-023

Revision/CIN: 0

WBS Number 1.01.01.03.02.01.0002.0009

Due Date: 8/15/96

ADS No: 1230

Title: Confirmation of Preliminary Feed Staging
Plan

Schedule ID: LIW02748A

Scheduler: Blethen

Milestone Level:

Deliverables:

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Incorporate new information into preliminary feed staging plans and reissue. Information to be incorporated includes answers to bidders' questions, issue resolution, and revised waste characterization data.

Description of what Constitutes Completion of the Commitment:

WHC SD approved by appropriate WHC organizations and DOE-RL LLW Project monitor.

Acceptance Criteria:

Plan confirms tanks and amounts of waste required to provide 4 M gal of waste consisting of three types.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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**WHC-SP-1101
REV. 1**

Milestone Control No T32-96-025

Revision/CIN: 0

WBS Number 1.01.01.03.02.02.0002.0001

Due Date: 8/30/96

ADS No: 1230

Title: Issue LLW Gaseous Effluents Performance
Requirements

Schedule ID: L2W02560A

Scheduler: Blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC-Internal

Description of this Commitment:

Identify functions, inputs and outputs within RWS to which constraints apply. Derive quantitative performance requirements from constraints and input the results in the TWRS F&R database.

Description of what Constitutes Completion of the Commitment:

Information will be provided to TWRS Systems Engineering group for publication in the F&R and will include DOE comments incorporated.

Acceptance Criteria:

Will meet the site wide requirements for gaseous effluents constraints.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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WHC-SP-1101
REV. 1

Milestone Control No T32-96-026

Revision/CIN: 0

WBS Number 1.01.01.03.02.02.0002.0001

Due Date: 9/30/99

ADS No: 1230

Title: Issue 242-A Evaporator Life Extension Study

Schedule ID: L2W02545A

Scheduler: Blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

M&O contractor will perform an analysis on performance requirements for the concentrate waste function in support of the evaporator (242-A) life extension.

Description of what Constitutes Completion of the Commitment:

Issue M&O contractor approved report with DOE comments incorporated.

Acceptance Criteria:

Will meet minimal requirements for consideration for life extension negotiated by DOE and the Department of Ecology.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T32-97-001

Revision/CIN: 0

WBS Number 1.01.01.03.02.01.0001.0002

Due Date: 5/30/97

ADS No: 1230

Title: COMPLETE LLW PRETREATMENT/LLW
IMMOBILIZATION INPUT TO THE FY
1999 ADS BUDGET SUBMITTAL

Schedule ID: L1W01120A

Scheduler: BLETHEN

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
ADS Budget
Submittal

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

The FY 1999 ADS for the LLW Pretreatment and the LLW Immobilization Sub-Projects, ADSs 1220 & 1230. The ADS is developed from the activities in the Multi-Year Program Plan (MYPP) with detailed narrative describing the work scope in the planning year. Budget and funding levels reconcile to ADS targets.

Description of what Constitutes Completion of the Commitment:

This milestone will be considered complete when the DOE-RL approved LLW Pretreatment/LLW Immobilization ADS has been submitted to WHC Baseline Integration.

Acceptance Criteria:

Approval of the FY 1999 ADS for the LLW Pretreatment and LLW Immobilization ADS Sub-Projects, ADSs 1220-1230 by WHC and RL. The FY1999 ADS will include budget and funding levels reconciled to that years target.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Date Milestone Was Completed

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**WHC-SP-1101
REV. 1**

Milestone Control No T32-97-002

Revision/CIN: 0

WBS Number 1.01.01.03.02.01.0001.0002.

Due Date: 9/12/97

ADS No: 1230

Title: Complete LLW Pretreatment/LLW
Immobilization Input to the FY 1998 Multi-
Year Program Plan

Schedule ID: L1W01130A

Scheduler: Blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Multi-Year
Program Plan

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Work scope to be included in the three year window of the Multi-Year Program Plan (MYPP) is developed from the higher level MYPP activities by breaking down the activities into more detailed units of work for the three year window beginning in FY 1998. Products to be included are WBS Dictionaries written at the activity level (Level 5) and cost account level (Level 6), program logic and schedules, milestone description sheets, cost baselines in the form of cost account schedules, activity planning forms and basis of estimates.

Description of what Constitutes Completion of the Commitment:

This milestone will be considered complete when the LLW Pretreatment/LLW Immobilization Multi-Year Program Plan is transmitted to DOE-RL.

Acceptance Criteria:

Planning products will comply with DOE-RL standards. MYPP will be approved by WHC and RL.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Date Milestone Was Completed

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REV. 1

Milestone Control No T32-98-001
WBS Number 1.01.01.03.02.01.0001.0002

Revision/CIN: 0
Due Date: 5/29/98
ADS No: 1230
Schedule ID: L1W01140A

Title: Complete LLW Pretreatment/LLW
Immobilization Input to the FY 2000 ADS
Budget Submittal

Scheduler: Blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
ADS Budget
Submittal

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

The ADS is developed from the activities in the Multi-Year Program Plan (MYPP) with detailed narrative describing the work scope in the planning year. Budget and funding levels reconcile to ADS targets for 1220 and 1230.

Description of what Constitutes Completion of the Commitment:

This milestone will be considered complete when the DOE-RL approved LLW Pretreatment/LLW Immobilization ADS has been submitted to WHC Baseline Integration.

Acceptance Criteria:

Approval of FY 2000 ADS for the LLW Pretreatment and LLW Immobilization Sub Projects, ADSs 1220 & 1230 by WHC and RL. The FY 2000 ADSs will include budget and funding levels reconcile to ADS targets.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T32-98-002
WBS Number 1.01.01.03.02.01.0001.0002

Revision/CIN: 0
Due Date: 9/11/98
ADS No: 1230
Schedule ID: L1W01150A

Title: Complete LLW Pretreatment/LLW
Immobilization InPut to the FY 1999 Multi-
Year Program Plan

Scheduler: Blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Multi-year
Work Plan

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Work scope to be included in the three year window of the Multi-Year Program Plan (MYPP) is developed from the high level MYPP activities by breaking down the activities into more detailed unites of work for the three year window beginning FY 1999. Products to be included are WBS Dictionaries written at the activity (Level 5) and cost account (Level 6) levels, program logic and schedules, milestone description sheets, cost baselines in the form of cost account schedules, milestone description sheets, cost baselines in the form of cost account schedules, activity baselines in the form of cost account schedules, activity planning forms and basis of estimates.

Description of what Constitutes Completion of the Commitment:

This milestone will be considered complete when the LLW Pretreatment/LLW Immobilization Multi-Year Program Plan is transmitted to RL.

Acceptance Criteria:

Planning products will comply with RL standards. Approval of the FY 1999 Multi-Year Program Plan for the LLW Pretreatment and LLW Immobilization Sub-Projects, ADS 1220 & 1230 by WHC and RL.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T32-98-005

Revision/CIN: 0

WBS Number 1.01.01.03.02.02.0007.0003

Due Date: 9/30/98

ADS No: 1230-0

Title: REVIEW VENDOR PSAR, PHASE I LLW
IMMOBILIZATION SUPPORT SYSTEMS
ACQUISITION

Schedule ID: L2W07310A

Scheduler: Blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Review

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
Vendor

Description of this Commitment:

Perform independent review of preliminary safety analysis report (PSAR) for Phase I.

Description of what Constitutes Completion of the Commitment:

Perform independent review of LLW Facilities Preliminary Safety Analysis Report (PSAR), for Phase I.
Vendors to provide PSAR, Phase I to Independent Review Team on 10/01/97. Independent Review Team
proved comments to vendor.

Acceptance Criteria:

Vendors provide PSAR for the LLW Facilities, Phase I to the Independent Review Team for comments.
Independent Review team mayl consist of independent contract members, WHC staff and/or PNL staff.
Comments submitted on RCR forms.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1

Milestone Control No T32-98-009
WBS Number 1.01.01.03.02.01.0007.0003

Revision/CIN: 0
Due Date: 9/30/98
ADS No: 1230
Schedule ID: L1W07310A

Title: REVIEW VENDOR PSAR, PHASE I LLW
PRETREATMENT SUPPORT SYSTEMS
ACQUISITION

Scheduler: Blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Review

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
Vendor

Description of this Commitment:

Perform independent review of LLW Facilities Preliminary Safety Analysis Report (PSAR), for Phase I.

Description of what Constitutes Completion of the Commitment:

Vendors to provide PSAR, Phase I to Independent Review Team on 10/01/97. Independent Review Team provide comments to vendor.

Acceptance Criteria:

Vendors provide PSAR for the LLW Facilities, Phase I to the Independent Review Team for comments. Independent Review Team may consist of independent contract members, WHC staff, and/or PNL staff. Comments submitted on RCR forms

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T32-00-002

Revision/CIN: 0

WBS Number 1.01.01.03.02.02.0007.0003

Due Date: 9/30/2000

ADS No: 1230-0

Title: REVIEW VENDOR FSAR , PHASE I LLW
IMMOBILIZATION SUPPORT SYSTEMS
ACQUISITION

Schedule ID: L2W07320A

Scheduler: Blethen

Milestone Level:

Deliverables:

Addressed To:

- ☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

- ☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Review

- ☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
Vendor

Description of this Commitment:

Perform independent review of LLW Facilities Final Safety Analysis Report (FSAR), for Phase I.

Description of what Constitutes Completion of the Commitment:

Perform independent review of LLW Facilities Final Safety Analysis Report (FSAR), for Phase I. Vendors to provide FSAR, Phase I to Independent Review Team on 10/01/99. Independent Review Team provide comments to vendor.

Acceptance Criteria:

Vendors provide FSAR for the LLE Facilities, Phase I to the Independent Review Team for comments. Independent Review Team may consist of independent contract members, WHC staff and/or PNL staff. Comments submitted on RCR forms.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T32-00-004
WBS Number 1.01.01.03.02.01.0007.0003

Revision/CIN: 0
Due Date: 9/29/2000
ADS No: 1230
Schedule ID: L1W07320A

Title: Review Vendor FSAR, Phase I LLW
Pretreatment Support Systems Acquisition

Scheduler: Blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Review

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
Vendor

Description of this Commitment:

To perform an independent review of LLW Facilities Final Safety Analysis Report (FSAR), for Phase I.

Description of what Constitutes Completion of the Commitment:

Vendors to provide FSAR, Phase I to Independent Review Team on 10/01/99. Independent Review Team provide comments to vendor.

Acceptance Criteria:

Vendors provide FSAR for the LLW Facilities, Phase I to the Independent Review Team for comments. Independent Review Team may consist of independent contract member, WHC staff, and/or PNL staff. Comments submitted on RCR forms.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No T32-02-001

Revision/CIN: 0

WBS Number 1.01.01.03.02.01.0009.0001

Due Date: 12/15/2000

ADS No: 1230-0

Title: INITIATE COLD AND HOT
OPERATIONS OF THE LLW
PRETREATMENT SUPPORT SYSTEMS

Schedule ID: L1W09010A

Scheduler: Blethen

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Successfully initiate full operations of the support systems for the Phase I LLW Pretreatment Facility.

Description of what Constitutes Completion of the Commitment:

Complete all operations activities necessary to achieve full operations of the LLW pretreatment support systems, including procedure preparation, training preparations, personnel training and qualification, operations and maintenance planning, materials and spare parts procurement and operational readiness assessment. Complete pre-operational testing of all LLW support systems to demonstrate that the systems are ready for full operation in support of the LLW Pretreatment Facility during Phase I Production. Issue a letter from LLW Support Systems Operations Manager certifying that the facility, procedures and personnel are ready to commence full operations to meet the government's contractual obligations to the LLW Pretreatment Facility Owner.

Acceptance Criteria:

Approval of pre-operational test results by LLW Support Operations Manager. Approval of operational readiness assessment results by competent RL Manager.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
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**WHC-SP-1101
REV. 1**

Milestone Control No T32-02-003

Revision/CIN: 0

WBS Number 1.01.01.03.02.02.0009.0001

Due Date: 12/15/2000

ADS No: 1230-0

Title: INITIATE COLD AND HOT
OPERATIONS OF THE SUPPORT
SYSTEMS FOR THE PHASE I LLW
IMMOBILIZATION FACILITY

Schedule ID: L2W09010A

Scheduler: Blethen

Milestone Level:

Deliverables

Addressed To:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☒ Letter

☒ DOE-RL

☐ DOE-FO

☐ Drawing

☐ Other (Specify)

☒ DOE-RL

☐ Other (Specify)

☐ Contractor

Description of this Commitment:

Initiate full operations of the support systems for the Phase I LLW Immobilization Facility in support of government contractual commitments to the facility operator.

Description of what Constitutes Completion of the Commitment:

Complete all operations activities necessary to achieve full operations of the LLW immobilization support systems, including procedure preparation, training preparations, personnel training and qualification, operations and maintenance planning, materials and spare parts procurement and operational readiness assessment. Complete pre-operational testing of all LLW support systems to demonstrate that the systems are ready for full operation in support of the LLW Immobilization Facility during Phase I Production. Issue a letter from LLW Support Systems Operations Manager certifying that the facility, procedures and personnel are ready to commence full operations to meet the government's contractual obligations to the LLW Immobilization Facility Owner.

Acceptance Criteria:

Approval of pre-operational test results by LLW Support Systems Operations Manager. Approval of operational readiness assessment results by competent RL Manager.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1

Milestone Control No T32-02-005
WBS Number 1.01.01.03.02.02.0005

Revision/CIN: 0
Due Date: 1/31/2002
ADS No: 1230
Schedule ID: L2W05200A

Title: Initiate Cold Operations of the LLW
Pretreatment/Immobilization Facilities

Scheduler: Blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Initiate operations of plant systems using unradioactive material to simulate hot operations.

Description of what Constitutes Completion of the Commitment:

Unradioactive material has been introduced into the process systems for cold operations.

Acceptance Criteria:

Approval of startup test results by LLW Pretreatment Facility Manager. DELIVERABLES: Letter from LLW Pretreatment Facility Manager certifying that the systems are ready to commence pre-operational testing.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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WHC-SP-1101
REV. 1

Milestone Control No T32-04-001
WBS Number 1.01.01.03.02.02.0004

Revision/CIN: 0
Due Date: ~~1/3/2004~~ 1/7/2004
ADS No: 1230-0

Title: Issuance of Final Request For Proposal (RFP)
Phase II

Schedule ID: L2W04110A

Scheduler: Blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Final Request
for Proposal

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Prepare for publication a final RFP for private sector involvement in the Tank Waste Remediation System (TWRS), in the Commerce Business Daily (CBD). This RDP will involve the design, construction and operation of both LLW and HLW Pretreatment and Immobilization facilities.

Description of what Constitutes Completion of the Commitment:

The publication of the Final RFP for private sector involvement in the Tank Waste Remediation System (TWRS), in the commerce Business Daily (CBD) publication, and its dissemination to the public, signifies the completion of this milestone.

Acceptance Criteria:

The dissemination of the Final RFP through the CBD Publication. Agreement of DOE contracting officer that the RFP is of acceptable quality to be published in the Commerce Business Daily and disseminated to the Public.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T32-05-001

Revision/CIN: 0

WBS Number 1.01.01.03.02.01.0008.0001

Due Date: 12/31/2004

ADS No: 1230-0

Title: Complete Initial Phase I Operations of LLW
PRETREATMENT Facility

Schedule ID: L1W08010A

Scheduler: Blethen

Milestone Level:

Deliverables:

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Pretreated LLW

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
LLW Immob.
Facility

Description of this Commitment:

Operation of the LLW Pretreatment Facility throughout the initial Phase I period producing pretreatment LLW meeting the specification requirements and in the quantities specified in the contractual agreements with the government.

Description of what Constitutes Completion of the Commitment:

Delivery of pretreated LLW to the LLW Immobilization Facility.

Acceptance Criteria:

As specified in the contractual agreements between the vendor and the government.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T32-05-003
WBS Number 1.01.01.03.02.02.0004

Revision/CIN: 0
Due Date: ~~1/3/2005~~ 1/7/2005
ADS No: 1230-0

Title: Phase II Contract Award

Schedule ID: L2W04120A
Scheduler: Blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Contract Award
Phase II

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

The preparing of contracts to 2 vendors for Phase II Tank Waste Remediation System (TWRS) privatization.

Description of what Constitutes Completion of the Commitment:

Awarding of 2 vendor contracts for Phase II Tank Waste Remediation System (TWRS) privatization efforts.

Acceptance Criteria:

The acceptance and contractual signing of 2 vendor contracts, by the selected vendors for the privatization of TWRS and the DOE Contracting Officer.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T32-05-004

Revision/CIN: 0

WBS Number 1.01.01.03.02.02.0008.0001

Due Date: 12/31/2004

ADS No: 1230-0

Title: Complete Initial Phase I Operations of the
LLW Immobilization Facility

Schedule ID: L2W08010A

Scheduler: blethen

Milestone Level:

Deliverables:

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Immobilized
LLW

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Operation of the LLW Immobilization Facility through the initial Phase I period producing immobilized LLW meeting the specification requirements and in the quantities specified in the contractual agreements with the government.

Description of what Constitutes Completion of the Commitment:

Delivery of Immobilized LLW to the government's representative.

Acceptance Criteria:

As specified in the contractual agreements between the vendor and the government.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T32-06-001

Revision/CIN: 0

WBS Number 1.01.01.03.02.02.0007.0003

Due Date: 8/30/2006

ADS No: 1230-0

Title: Review Vendor PSAR, Phase II
LLW Immobilization Support Systems
Acquisition

Schedule ID: L2W07330A

Scheduler: Blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Review

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
Vendor

Description of this Commitment:

Perform independent review of LLW Facilities Preliminary Safety Analysis Report (PSAR), for Phase II. Vendors to provide PSAR, Phase II to Independent Review Team on 08/01/05. Independent Review Team provide comments to vendor.

Description of what Constitutes Completion of the Commitment:

Issuance of Review Comment Record (RCRs) on the PSAR for the Phase II LLW Vendor Facilities.

Acceptance Criteria:

Approval of DOE-RL to issue RCRs.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A-13-22

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T32-06-002
WBS Number 1.01.01.03.02.01.0007.0003

Revision/CIN: 0
Due Date: 8/30/2006
ADS No: 1230
Schedule ID: L1W07330A

Title: INITIATE REVIEW VENDOR PSAR,
PHASE II LLW PRETREATMENT
SUPPORT SYSTEMS ACQUISITION

Scheduler: Blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Review

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
Vendor

Description of this Commitment:

NRC performs an independent review of LLW Facilities Preliminary Safety Analysis Report (PSAR), for Phase II.

Description of what Constitutes Completion of the Commitment:

Vendors to provide PSAR for the LLW Facilities, Phase II to NRC for review on 08/01/05. Independent Review Team provide comments to vendor.

Acceptance Criteria:

Vendors provide PSAR for the LLW Facilities, Phase II to the Independent Review Team for comments. Independent Review Team may consist of independent contract members, WHC staff, and/or PNL staff. Comments submitted on RCR forms.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
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**WHC-SP-1101
REV. 1**

Milestone Control No T32-06-003

Revision/CIN: 0

WBS Number 1.01.01.03.02.02.0007.0001

Due Date: 10/3/2005

ADS No: 1230

Title: COMPLETE CONCEPTUAL DESIGN OF
THE LLW INFRASTRUCTURE PROJECT,
PHASE II

Schedule ID: L2W07240A

Scheduler: Blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Review

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC

Description of this Commitment:

A Conceptual Design Report (CDR) will be prepared by an architect/engineer firm.

Description of what Constitutes Completion of the Commitment:

The CDR will meet the requirements of RLIP 4700.1A "Project Management System" (DOE-RL-1991). The CDR will be approved by WHC and RL. A letter will be issued to WHC from RL approving start of definitive design (Title I/II).

Acceptance Criteria:

The quality of CDR will be such that it meets the requirements of RLIP 4700.1A "Project Management System" (DOE-RL-1991). In addition to the CDR, a WHC revised project baseline with a request for direction authorization to spend capital funds will be submitted.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System

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WHC-SP-1101
REV. 1

Milestone Control No T32-09-001
WBS Number 1.01.01.03.02.02.0007.0001

Revision/CIN: 0
Due Date: 10/1/2008
ADS No: 1230
Schedule ID: L2W07255A

Title: Key Decision 3 and 4, Approval to
Commence Construction/Operation of the
LLW Infrastructure Project, Phase II

Scheduler: Blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Activities leading to initiation of construction and operation of the LLW Infrastructure Project, Phase II.

Description of what Constitutes Completion of the Commitment:

Activities leading to initiation of construction and approval to commence operation include completion of the following: conceptual design and initiation of definitive design, preliminary safety analysis report, applicable environmental documentation and required project management documentation per DOE Order 4700.1.

Acceptance Criteria:

Preparation of project documentation (e.g., dated project plan) for DOE Acquisition Executive approval of Key Decisions 3 and 4. Construction is defined as preparation. DELIVERABLES: Letter to WHC from RL approving start of construction and commence operation.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T32-10-001

Revision/CIN: 0

WBS Number 1.01.01.03.02.02.0007.0003

Due Date: 4/30/2010

ADS No: 1230-0

Title: REVIEW VENDOR FSAR, PHASE II LLW
IMMOBILIZATION SUPPORT SYSTEMS
ACQUISITION

Schedule ID: L2W07340A

Scheduler: BLETHEN

Milestone Level:

Deliverables:

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Review

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
Vendor

Description of this Commitment:

Perform independent review of LLW Facilities Final Safety Analysis Report (FSAR), for Phase II.

Description of what Constitutes Completion of the Commitment:

Perform independent review of LLW Facilities Final Safety Analysis Report (FSAR), for Phase II. Vendors to provide FSAR, Phase II to Independent Review Team on 04/01/09. Independent Review Team provide comments to vendor.

Acceptance Criteria:

Vendors provide FSAR for the LLW Facilities, Phase II to the Independent Review Team for comments. Independent Review Team may consist of independent contract members, WHC staff and/or PNL staff. Comments submitted on RCR forms.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T32-10-002

Revision/CIN: 0

WBS Number 1.01.01.03.02.02.0007.0009

Due Date: 7/1/2010

ADS No: 1230

Title: DESIGN, CONSTRUCT, STARTUP
UTILITIES/SUPPORT SYSTEMS LLW
IMMOBILIZATION SUPPORT SYSTEMS
ACQUISITION, PHASE II

Schedule ID: L2W07910A

Scheduler: BLETHEN

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC

Description of this Commitment:

Develop acquisition plan for all utilities and support systems required for Phase I vendor infrastructure. Plan includes electricity, water, sewer, communications, roads. Activity includes conceptual design, detail design, procurement, construction and start-up.

Description of what Constitutes Completion of the Commitment:

Complete design, construction, startup utilities/support systems. Letter of approval to commence startup from the LLW Infrastructure Manager.

Acceptance Criteria:

Approval of the commence startup from the LLW Infrastructure Manager and RL.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No T32-10-003

Revision/CIN: 0

WBS Number 1.01.01.03.02.01.0007.0003

Due Date: 4/30/2010

ADS No: 1230

Title: Review Vendor FSAR, Phase II LLW
Pretreatment Support Systems Acquisition

Schedule ID: L1W07340A

Scheduler: Blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Review

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
Vendor

Description of this Commitment:

To perform an independent review of LLW Facilities Final Safety Analysis Report (FSAR), for Phase II.

Description of what Constitutes Completion of the Commitment:

Perform independent review of LLW Facilities Final Safety Analysis Report (FSAR), for Phase II. Vendors to provide FSAR, Phase II to Independent Review Team on 04/01/09. Independent Review Team provide comments to vendor.

Acceptance Criteria:

Vendors provide FSAR for the LLW Facilities, Phase II to the Independent Review Team for comments. Independent Review Team may consist of independent contract members, WHC staff, and/or PNL staff. Comments submitted on RCR forms.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No T32-10-004

Revision/CIN: 0

WBS Number 1.01.01.03.02.01.0007.0009

Due Date: 7/1/2010

ADS No: 1230

Title: Design, Construct, Start-up Utilities/Support
Systems LLW Pretreatment Support Systems
Acquisition, Phase II

Schedule ID: L1W07910A

Scheduler: Blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC

Description of this Commitment:

Develop acquisition plan for all utilities and support systems required for Phase I vendor infrastructure. Plan includes electricity, water, sewer, communications, roads. Activity includes conceptual design, detail design, procurement, construction and start-up.

Description of what Constitutes Completion of the Commitment:

Complete design, construction, startup utilities/support systems. Letter of approval to commence startup from the LLW Infrastructure Manager.

Acceptance Criteria:

Approval of the commene startup fro the LLW Infrastructure Manager and RL.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T32-11-001

Revision/CIN: 0

WBS Number 1.01.01.03.02.01.0008.0002

Due Date: 12/31/2010

ADS No: 1230-0

Title: COMPLETE CONTINUING PHASE I
OPERATIONS OF THE LLW
PRETREATMENT FACILITY

Schedule ID: L1W08020A

Scheduler: Blethen

Milestone Level:

Deliverables:

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Pretreated
LLW

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
LLW Immob.
Facility

Description of this Commitment:

Operation of the LLW Pretreatment Facility throughout the continuing Phase I period producing pretreated LLW meeting the specification requirements and in the quantities specified in the contractual agreements with the government.

Description of what Constitutes Completion of the Commitment:

Delivery of pretreated LLW to the LLW Immobilization Facility.

Acceptance Criteria:

As specified in the contractual agreements between the vendor and the government.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T32-11-002

Revision/CIN: 0

WBS Number 1.01.01.03.02.02.0008.0002

Due Date: 12/30/2010

ADS No: 1230-0

Title: Complete Continuing Phase I Operations of
the LLW Immobilization Facility

Schedule ID: L2W08020A

Scheduler: Blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Immobilized
LLW

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Operation of the LLW Immobilization Facility throughout the continuing Phase I period producing immobilized LLW meeting the specification requirements and in the quantities specified in the contractual agreements with the government.

Description of what Constitutes Completion of the Commitment:

Delivery of Immobilized LLW to the government's representative.

Acceptance Criteria:

As specified in the contractual agreements between the vendor and the government.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T32-11-003

Revision/CIN: 0

WBS Number 1.01.01.03.02.01.0009.0002

Due Date: ~~12/31/2010~~ 6/17/2009

ADS No: 1230-0

Title: COMPLETE PHASE I OPERATIONS OF
THE LLW PRETREATMENT SUPPORT
SYSTEMS

Schedule ID: L1W09020A

Scheduler: BLETHEN

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Successfully complete operations of the support systems for the LLW Pretreatment Facility during Phase I production.

Description of what Constitutes Completion of the Commitment:

Perform all activities necessary for successful operations of the LLW pretreatment support systems during Phase I production, including system operations, system preventative and corrective maintenance, production and maintenance planning, materials and spare parts procurement, continuing training, Safety and QA support, Engineering support, Management support, and planning, scheduling and budgeting support. Issue a letter report from LLW Support Systems Operations Manager documenting the system performance, availability and cost of operations throughout the Phase I production period.

Acceptance Criteria:

Compliance with all the government's contractual obligations to the LLW Pretreatment Facility Owner.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T32-11-004
WBS Number 1.01.01.03.02.02.0009.0002

Revision/CIN: 0

Due Date: ~~12/31/2010~~

6/17/2009

ADS No: 1230-0

Title: Complete Operations of the Support Systems
for the Phase I LLW Immobilization Facility

Schedule ID: L2W09020A

Scheduler: Blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Successfully complete operations of the support systems for the Phase I LLW Immobilization Facility.

Description of what Constitutes Completion of the Commitment:

Perform all activities necessary for successful operations of the LLW Immobilization Support Systems during Phase I production, including system operations, system preventative and corrective maintenance, production and maintenance planning, materials and spare parts procurement, continuing training, Safety and QA support, Engineering support, Management support, and planning, scheduling and budgeting support. Issue a letter report from LLW Support Systems Operations Manager documenting the system performance, availability and cost of operations throughout the Phase I production period.

Acceptance Criteria:

Compliance with all the government's contractual obligations to the LLW Immobilization Facility Owner.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T32-22-003

Revision/CIN: 0

WBS Number 1.01.01.03.02.01.0009.0003

Due Date: ~~12/31/2021~~ 9/28/2020

ADS No: 1230

Title: COMPLETE PHASE II OPERATIONS OF
THE LLW PRETREATMENT SUPPORT
SYSTEMS

Schedule ID: L1W09030A

Scheduler: BLETHEN

Milestone Level:

Deliverables:

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Successfully complete operations of the support systems for the LLW Pretreatment Facility during Phase I production. Activities include system operations, system preventative and corrective maintenance, production and maintenance planning, materials and spare parts procurement, continuing training, Safety and QA support, Engineering support, Management support, and planning, scheduling, and budgeting support.

Description of what Constitutes Completion of the Commitment:

Perform all activities necessary for successful operations of the LLW pretreatment support systems during Phase II production. Issue a letter report from LLW Support Systems Operations Manager documenting the system performance, availability and cost of operations throughout the Phase II production period.

Acceptance Criteria:

Compliance with all the government's contractual obligations to the LLW Pretreatment Facility Owner associated with infrastructure support systems.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T32-22-004

Revision/CIN: 0

WBS Number 1.01.01.03.02.02.0009.0003

Due Date: ~~12/31/2021~~

9/24/2020

ADS No: 1230-0

Title: Complete Operations of the Support Systems
for the Phase II LLW Immobilization Facility

Schedule ID: L2W09030A

Scheduler: Blethen

Milestone Level:

Deliverables:

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Successfully complete operations of the support systems for the Phase II LLW Immobilization Facility during Phase II. Production activities include system operations, system preventative and corrective maintenance, production and maintenance planning, materials and spare parts procurement, continuing training, Safety and QA support, Engineering support, Management support, and planning, scheduling, and budget support.

Description of what Constitutes Completion of the Commitment:

Perform all activities necessary for successful operations of the LLW immobilization support systems during Phase II production. Issue a letter report from LLW Support Systems Operations Manager documenting the system performance, availability and cost of operations throughout the Phase II production period.

Acceptance Criteria:

Compliance with all the government's contractual obligations to the LLW Immobilization Facility Owner associated with infrastructure support systems.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T32-27-002
WBS Number 1.01.01.03.02.01.0011

Revision/CIN: 0

Due Date: ~~12/31/2026~~

12/09/25

ADS No: 1230

Title: COMPLETE DECONTAMINATION AND
DECOMMISSIONING OF PHASE 2 LLW
PRETREATMENT SCALE PRODUCTION
FACILITIES

Schedule ID: LIV11200A

Scheduler: BLETHEN

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

The decontamination and decommissioning of 100 ton LLW Pretreatment facilities.

Description of what Constitutes Completion of the Commitment:

The decontamination and decommissioning of two 100 ton LLW Pretreatment facilities.

Acceptance Criteria:

The completion of D&D activities of two 100 ton LLW Pretreatment facilities. Defined in the terms of the contract between DOE and the Phase II LLW Vendor(s).

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T32-27-004
WBS Number 1.01.01.03.02.02.0011

Revision/CIN: 0

Due Date: ~~12/31/2026~~

11/6/26

ADS No: 1230-0

Title: COMPLETE DECONTAMINATION AND
DECOMMISSIONING OF PHASE 2 LLW
IMMOBILIZATION FULL SCALE
PRODUCTION FACILITIES

Schedule ID: L2V11200A

Scheduler: BLETHEN

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

The decontamination and decommissioning of two 100 ton LLW Immobilization facilities.

Description of what Constitutes Completion of the Commitment:

The decontamination and decommissioning of two 100 ton LLW Immobilization facilities.

Acceptance Criteria:

The completion of D&D activities of two 100 ton LLW vitrification facilities as defined in the terms of the contract between DOE and the Phase II LLW vendor(s).

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T32-28-001

Revision/CIN: 0

WBS Number 1.01.01.03.02.01.0009.0004

Due Date: ~~12/31/2027~~

1/10/2028

ADS No: 1230-0

Title: COMPLETE DEACTIVATION OF THE
LLW PRETREATMENT SUPPORT
SYSTEMS

Schedule ID: L1W09040A

Scheduler: BLETHEN

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Continue to operate the support systems for the LLW Pretreatment Facility throughout facility decontamination and decommissioning and then deactivate the support systems. Perform all activities necessary for successful operations of the LLW pretreatment support systems during the LLW Pretreatment Facility decontamination and decommissioning, including system operations, system preventative and corrective maintenance, production and maintenance planning, materials and spare parts procurement, continuing training, Safety and QA support, Engineering support, Management support, and planning, scheduling, and budgeting support. Following Facility D&D, place the support systems in a safe, minimum configuration status.

Description of what Constitutes Completion of the Commitment:

Issue a letter from LLW Support Systems Operations Manager documenting completion of the activities specified in the shutdown plan.

Acceptance Criteria:

Compliance with all the government's contractual obligations to the LLW Pretreatment Facility Owner. Completion of shutdown activities in accordance with an approved shutdown plan to be developed during this phase of operations.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No T32-28-002
WBS Number 1.01.01.03.02.02.0009.0004

Revision/CIN: 0
Due Date: ~~12/31/2027~~ 11/22/2027
ADS No: 1230-0

Title: Complete Deactivation of the Support
Systems for the LLW Immobilization Facility

Schedule ID: L2W09040a

Scheduler: Blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Continue to operate the support systems for the LLW Immobilization Facility throughout facility decontamination and decommissioning and then deactivate the support systems. Perform all activities necessary for successful operations of the LLW immobilization support systems during the LLW Immobilization Facility decontamination and decommissioning, including system operations, system preventative and corrective maintenance, production and maintenance planning, materials and spare parts procurement, continuing training, Safety and QA support, Engineering support, Management support, and planning, schedule, and budgeting support. Following Facility D&D, place the support systems in a safe, minimum configuration status.

Description of what Constitutes Completion of the Commitment:

Issue a letter from LLW Support Systems Operations Manager documenting completion of the activities specified in the shutdown plan.

Acceptance Criteria:

Compliance with all the government's contractual obligations to the LLW Immobilization Facility Owner. Completion of shutdown activities in accordance with an approved shutdown plan to be developed during this phase of operations.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System

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Milestone Description Sheet

WHC-SP-1101
REV. 1

Milestone Control No T32-28-003

Revision/CIN: 0

WBS Number 1.01.01.03.02.01.0001.0002

Due Date: ~~5/31/2028~~ 12/11/2028

ADS No: 1230

Title: Complete LLW Pretreatment/LLW
Immobilization Input to the Outyears ADS

Schedule ID: L1W01160A

Scheduler: Blethen

Milestone Level:

- ☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

- ☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
ADS Budget
Submittal

Addressed To:

- ☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Work scope to be included in the ADS is developed from the activities in the Multi-Year Program Plan (MYPP) with detailed narrative describing the work in the planning year. Budget and funding levels reconcile to ADS targets. The Outyears ADS for the LLW Pretreatment and LLW Immobilization Sub-Projects, ADSs 1220 & 1230.

Description of what Constitutes Completion of the Commitment:

This milestone will be considered complete when the DOE-RL approved LLW Pretreatment/LLW Immobilization ADS has been submitted to WHC Baseline Integration.

Acceptance Criteria:

Approval of the Outyears ADS for LLW Pretreatment/LLW Immobilization Budget Submittal by WHC & RL.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T32-28-004
WBS Number 1.01.01.03.02.01.0001.0002

Revision/CIN: 0
Due Date: ~~9/15/2028~~ 4/3/2029
ADS No: 1230

Title: Complete LLW Pretreatment/LLW
Immobilization Input to the Outyears MYPP

Schedule ID: L1W01170A

Scheduler: Blethen

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Multi-Year
Program Plan

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Work scope to be included in the three year window of the Multi-Year Program Plan (MYPP) is developed from the higher level MYPP activities by breaking down the activities into more detailed units of work for the three year window.

Description of what Constitutes Completion of the Commitment:

This milestone will be considered complete when the LLW Pretreatment/LLW Immobilization Multi-Year Program Plan is transmitted to DOE-RL.

Acceptance Criteria:

Planning products will comply with DOE-RL standards. MYPP will be approved by WHC and RL.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

Milestone Control No T3A-99-101

WBS Number 1.1.1.3.02.02.0005

Revision/CIN: 1

Due Date: 11/30/98
Phase I: 1/4/2000,
Phase II: FY 2005-2011

ADS No: 1230

Title: Start Construction of LLW Pretreatment Facility

Schedule ID: L2W05100A/L2W06100A

Scheduler: Blethen

Milestone Level:

☒ TPA M-50-01

☐ DOE-HQ

☐ DOE-FO

☐ DOE-RL

☐ Contractor

Deliverables:

☐ Report

☒ Letter

☐ Drawings

☐ Other (Specify)

Addressed To:

☐ DOE-HQ

☒ DOE-RL

☐ Other (Specify)

Description of this Commitment:

Initiate construction on Phase I vendor facilities.

Description of what Constitutes Completion of the Commitment:

To achieve the milestone, construction and/or shop fabrication forces must be mobilized and physical construction and/or shop fabrication forces must be mobilized and physical construction, (e.g. earth moving for site preparation or shop fabrication of process modules) must be initiated.

Acceptance Criteria:

The chief criterion is completion of Key Decision 3, "Approval to commence Construction" per DOE Order 4700.1. Approval to initiate construction must be obtained from the DOE-HQ Acquisition Executive. Then approval of the contractor's updated project plan by DOE-RL will signify authorization to initiate construction of the LLW Pretreatment Facility.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

**WHC-SP-1101
REV. 1**

Milestone Control No T3A-04-100

Revision/CIN: 1

WBS Number 1.1.1.3.02.02.0005

Due Date: 12/31/03
PHASE I: 1/3/2002
PHASE II: FY 2005-2011

ADS No: 1230

Title: Finish Construction of LLW Pretreatment Facility

Schedule ID: L2W05200B/L2W06200A

Scheduler: Blethen

Milestone Level:

☒ TPA M-50-02-T01

☐ DOE-HQ

☐ DOE-FO

☐ DOE-RL

☐ Contractor

Deliverables:

☐ Report

☒ Letter

☐ Drawings

☐ Other (Specify)

Addressed To:

☐ DOE-HQ

☒ DOE-RL

☐ Other (Specify)

Description of this Commitment:

The liquid treatment for the LLW Immobilization consists of solids/liquids feed clarification to avoid fouling of ion exchange columns and radionuclide removal. The base case identifies cesium ion exchange and strontium if necessary as the only required radionuclide removal operations. If strontium removal is required, it probably is tied up with organic complexant. Therefore, a complexant deconstruction step would be added; technology development is underway to support this activity. If the LLW performance assessment determines that technetium or other radionuclides need to be removed, the capability to remove these will be provided in Module II of the LLW Facility.

Description of what Constitutes Completion of the Commitment:

Construction of two 17 ton LLW vitrification facilities.

Acceptance Criteria:

The startup of operations and production of the two LLW facilities.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A-13-43

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

**WHC-SP-1101
REV. 1**

Milestone Control No T3A-05-100
WBS Number 1.1.1.3.02.02.0005

Revision/CIN: 1
Due Date: 12/31/04
PHASE I: 7/31/2002
PHASE II: FY 2011
ADS No: 1230
Schedule ID: L2W05300A/L1V08030B
Scheduler: Blethen

Title: Start Hot Operations of LLW Pretreatment Facility to
Remove Cesium and Strontium

Milestone Level:

☒ TPA M-50-02

☐ DOE-HQ

☐ DOE-FO

☐ DOE-RL

☐ Contractor

Deliverables:

☐ Report

☒ Letter

☐ Drawings

☐ Other (Specify)

Addressed To:

☐ DOE-HQ

☒ DOE-RL

☐ Other (Specify)

Description of this Commitment:

Activities leading to start of hot operations of the LLW Pretreatment Facility include completion of: construction activities; inspections and acceptance test procedures; final safety analysis report; licensing under RCRA and Clean Air Act; Operational Readiness Review for hot operations with actual simulants; and, operational readiness review for hot operations with actual radioactive waste.

Description of what Constitutes Completion of the Commitment:

Completion of pre-operational testing of all LLW Immobilization Facility systems to demonstrate that all systems are ready for radioactive operations. Demonstration of facility capability to immobilize non-radioactive simulants.

Acceptance Criteria:

Approval of pre-operational test results by LLW Immobilization Facility Manager. Approval for hot startup of the facility by appropriate RL Manager.

DELIVERABLES: Letter from LLW Immobilization Facility Manager certifying that the facility, procedures and personnel are ready to commence hot operations, and that all contractual obligations applicable to hot startup have been satisfied.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

WHC-SP-1101
REV. 1

Milestone Control No T3A-28-100

WBS Number 1.1.1.3.02.01.0008

Revision/CIN: 1

Due Date: ~~12/31/2028~~ ★
~~12/31/2021~~ 4/19/22

ADS No: 1230

Title: Complete Pretreatment Processing of Hanford Tank Waste

Schedule ID: L2W08030A

Scheduler: Blethen

Milestone Level:

☒ TPA M-50-00

☐ DOE-HQ

☐ DOE-FO

☐ DOE-RL

☐ Contractor

Deliverables:

☐ Report

☒ Letter

☐ Drawings

☐ Other (Specify)

Addressed To:

☐ DOE-HQ

☒ DOE-RL

☐ Other (Specify)

Description of this Commitment:

Operation of the LLW Pretreatment Facility throughout the Phase II period producing the pretreated LLW meeting the specification requirements and in the quantities specified in the contractual agreements with the government.

Description of what Constitutes Completion of the Commitment:

Delivery of all pretreated LLW to the LLW Immobilization Facility.

Acceptance Criteria:

As specified in the contractual agreements between the vendor and the government.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

* TPA Baseline date is 12/31/2028.

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Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

WHC-SP-1101
REV. 1

Milestone Control No T3B-28-100

WBS Number 1.1.1.3.02.02.0008

Revision/CIN: 1

Due Date: ~~12/31/2028~~ ^{*}
~~12/31/2021~~ 4/20/2022

ADS No: 1230

Title: Complete Vitrification of Hanford Low-Level Tank Waste

Schedule ID: L2W08030A

Scheduler: Blethen

Milestone Level:

☒ TPA M-60-00

☐ DOE-HQ

☐ DOE-FO

☐ DOE-RL

☐ Contractor

Deliverables:

☐ Report

☐ Letter

☐ Drawings

☒ Other (Specify)
Immobilized LLW

Addressed To:

☐ DOE-HQ

☒ DOE-RL

☐ Other (Specify)

Description of this Commitment:

Operations of the LLW Immobilization Facility throughout the Phase II period producing immobilized LLW meeting the specification requirements and in the quantities specified in the contractual agreements with the government.

Description of what Constitutes Completion of the Commitment:

Delivery of Immobilized LLW to the government's representative.

Acceptance Criteria:

As specified in the contractual agreements between the vendor and the government.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

*TPA Baseline date is 12/31/2028.

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WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

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1.1.1.3.03 High Level Waste

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.3.03.02.04	T33-00-454 Complete IHLW P-1 FSAR Review	DOE-RL T33-00-454		29SEP00
1.1.1.3.03.02.04	T33-01-473 Comp Const/Startup P-1 Infrastructure	DOE-RL T33-01-473		31MAY01
1.1.1.3.03.02.03	T33-04-493 Compl IHLW P-2 RFP	DOE-HQ T33-04-493		30SEP04
1.1.1.3.03.02.03	T33-05-356 Award IHLW P-2 Contract	DOE-RL T33-05-356		30AUG05
1.1.1.3.03.02.04	T33-05-453 IHLW P-2 Facility KD 0/1/2	DOE-RL T33-05-453	030CT05	
1.1.1.3.03.02.04	T33-08-454 IHLW P-2 Facility KD 3/4	DOE-RL T33-08-454	010CT08	
1.1.1.3.03.02.03	T33-10-357 Compl IHLW P-2-D/C/Startup	DOE-HQ T33-10-357		31DEC12
1.1.1.3.03.01.04	T33-10-405 Complete HLW Pret P-2 FSAR Review	DOE-RL T33-10-405		30APR10
1.1.1.3.03.02.04	T33-10-456 Complete IHLW P-2 FSAR Review	DOE-RL T33-10-456		30APR10
1.1.1.3.03.01.04	T33-10-491 Compl HLW Pret P-2 Sppt Sys Acq	DOE-RL T33-10-491		01JUL10
1.1.1.3.03.02.08	T33-34-100 Compl IHLW P-2 D&D	DOE-HQ T33-34-100		22DEC33
1.1.1.3.03.02.01	T33-96-107 Issue Final FY 97 MYWP to RL	DOE-RL T33-96-107		16SEP96
1.1.1.3.03.02.01	T33-96-137 Issue Final ADSs	DOE-RL T33-96-137		31MAY96
1.1.1.3.03.01.02	T33-96-201 Issue HLW Pret Design Basis Data Pkg	DOE-RL T33-96-201		15JAN96

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WESTINGHOUSE HANFORD COMPANY
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1.1.1.3.03 High Level Waste

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.3.03.01.02	T33-96-202 Issue HLW Pret Product Spec	DOE-RL T33-96-202		15JAN96
1.1.1.3.03.01.02	T33-96-204 Issue TWRS Process Tech Baseline	DOE-RL T33-96-204		30AUG96
1.1.1.3.03.01.02	T33-96-231 Comp HLW Pret Update to TWRS F&R	DOE-RL T33-96-231		16SEP96
1.1.1.3.03.01.02	T33-96-233 Comp HLW Pret Input to TWRS TRS	DOE-RL T33-96-233		01MAY96
1.1.1.3.03.01.02	T33-96-235 Summary Feed Pret Plan	DOE-RL T33-96-235		30AUG96
1.1.1.3.03.01.02	T33-96-237 Issue ICD for HLW Pret	DOE-RL T33-96-237		16SEP96
1.1.1.3.03.02.02	T33-96-251 Issue IHLW Feed Spec	DOE-RL T33-96-251		07FEB96
1.1.1.3.03.02.02	T33-96-257 Define Basis for HLW Feed Spec	DOE-RL T33-96-257		07AUG96
1.1.1.3.03.01.	T33-96-301 - Automatic Waste Staging Flowsheet	DOE-RL T33-96-301		30SEP96
1.1.1.3.03.02.02	T33-96-449 Complete Annotated Bibliography	DOE-RL T33-96-449		15FEB96
1.1.1.3.03.02.01	T33-97-107 Issue Final FY98 MYWP to RL	DOE-RL T33-97-107		15SEP97
1.1.1.3.03.02.01	T33-97-137 Issue Final ADSs	DOE-RL T33-97-137		30MAY97
1.1.1.3.03.02.01	T33-98-107 Issue Final FY99 MYWP to RL	DOE-RL T33-98-107		15SEP98
1.1.1.3.03.02.01	T33-98-132 HLW Strategy Document FY98 Rev 4	DOE-RL T33-98-132		30JAN98

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WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

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1.1.1.3.03 High Level Waste

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.3.03.02.01	T33-98-137 Issue Final ADSs	DOE-RL T33-98-137		29MAY98
1.1.1.3.03.02.03	T33-98-355 Complete IHLW P-1 Downselect	DOE-RL T33-98-355		27FEB98
1.1.1.3.03.01.05	M-50-04 Start Hot Ops HLW Pret P-2	TPA-I T3A-08-100	02JAN13	
1.1.1.3.03.01.05	M-50-00 Comp Pret Processing of HLW	TPA-M T3A-28-100		17DEC21
1.1.1.3.03.01.02	M-50-03-T2b Submit Decision Analysis	TPA-T T3A-96-100		26SEP01
1.1.1.3.03.01.02	M-50-03-T2C Submit Prel ESW Recommend	TPA-T T3A-97-101		24SEP02
1.1.1.3.03.01.02	M-50-03 Complete Evaluation of ESW	TPA-I T3A-98-100		24SEP03
1.1.1.3.03.01.03	M-50-04-T2 Initiate Def Des HLW Pret	TPA-T T3A-99-100	31AUG05	
1.1.1.3.03.02.03	M-51-03-T03 Initiate HLW Fac Const	TPA-T T3C-02-100	01FEB00	
1.1.1.3.03.02.03	M-51-03-T04 Compl HLW Fac Const	TPA-T T3C-08-100		31JAN02
1.1.1.3.03.02.05	M-51-03 Initiate Hot Operations	TPA-I T3C-10-100	01JUL02	
1.1.1.3.03.02.05	M-51-00 HLW Vitrification Complete	TPA-M T3C-28-100		18DEC28
1.1.1.3.03.02.01	T3C-95-112 Issue Final Mission Analysis (RL)	DOE-RL T3C-95-112		09JUL96
1.1.1.3.03.02.01	T3C-95-122 Issue JMN (RL)	DOE-HQ T3C-95-122		11NOV96

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WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

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1.1.1.3.03 High Level Waste

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.3.03.02.02	T3C-96-107 Update Feed Processability Assessment	DOE-RL T3C-96-107		30AUG96
1.1.1.3.03.02.01	T3C-96-115 HLW Strategy Doc FY96 Rev 2	DOE-RL T3C-96-115		31JAN96
1.1.1.3.03.02.02	T3C-96-116 TRU WD Options CBA/Draft Recommend	DOE-RL T3C-96-116		22APR96
1.1.1.3.03.02.02	T3C-96-117 WIPP Prelim Accept. of TRU Waste Data	DOE-RL T3C-96-117		18JAN96
1.1.1.3.03.02.02	T3C-96-126 Issue TRU TW Processing Strat Doc	DOE-HQ T3C-96-126		29OCT96
1.1.1.3.03.02.01	T3C-97-112 HLW Strategy Document FY97 Rev 3	DOE-RL T3C-97-112		31JAN97
1.1.1.3.03.02.03	M-51-02 Select Ref Melter	TPA-I T3C-98-100		30AUG05
1.1.1.3.03.02.03	M-51-03-T01 Submit Conceptual Design	TPA-T T3C-98-101		27FEB98
1.1.1.3.03.02.03	M-51-03-T02 Initiate Def Design	TPA-T T3C-99-100	02MAR98	

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**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No T33-96-107

Revision/CIN: 0

WBS Number 1.01.01.03.03.02.0001.0004

Due Date: 9/16/96

ADS No: 1240-0

Title: Issue Final HLW Pretreatment/HLW
Immobilization Input to the FY 1997 Multi-
Year Program Plan

Schedule ID: H210474B

Scheduler: Street

Milestone Level:

Deliverables:

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
MYPP

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Work scope to be included in the three year window of the Multi-Year Program Plan (MYPP) is developed from the higher level MYPP activities by breaking down the activities into more detailed units of work for the three year window beginning in FY 1997. Products to be included are WBS Dictionaries written at the activity (Level 5) and cost account (Level 6) levels, program logic and schedules, milestone description sheets, cost baselines in the form of cost account schedules, activity planning forms and basis of estimates.

Description of what Constitutes Completion of the Commitment:

This milestone will be considered complete when the HLW Pretreatment/HLW Immobilization Multi-Year Program Plan is transmitted to RL.

Acceptance Criteria:

Planning products will comply with RL standards. MYPP will be approved by WHC and RL.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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WHC-SP-1101
REV. 1

Milestone Control No T33-96-137

Revision/CIN: 0

WBS Number 1.01.01.03.03.02.0001.0003

Due Date: 5/31/96

ADS No: 1240-0

Title: Submit Draft HLW Pretreatment/HLW
Immobilization Input to the FY 1996 ADS
Budget Submittal

Schedule ID: H210372B

Scheduler: Street

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
ADS

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

The FY 1996 ADS for the HLW Project, ADSs 1220 and 1240. The ADS is developed from the activities in the Multi-Year Program Plan (MYPP) with detailed narrative describing the work scope in the planning year. Budget and funding levels reconcile to ADS targets.

Description of what Constitutes Completion of the Commitment:

This milestone will be considered complete when the DOE-RL approved HLW Pretreatment/HLW Immobilization ADS has been submitted to WHC Baseline Integration.

Acceptance Criteria:

Approval of the FY1996 ADS for the HLW Pretreatment and HLW Immobilization ADS Sub-Projects, ADSs 1220-1240 by WHC and RL. The FY 1996 ADS will include budget and funding levels reconciled to that years target.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Date Milestone Was Completed

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**WHC-SP-1101
REV. 1**

Milestone Control No T33-96-201

Revision/CIN: 0

WBS Number 1.01.01.03.03

Due Date: 1/15/96

ADS No: 1240-0

Title: ISSUE HIGH LEVEL WASTE
PRETREATMENT DESIGN BASIS FEED
DATA PACKAGE

Schedule ID: H12A311A

Scheduler: Street

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
DATA
PACKAGE

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
CST

Description of this Commitment:

Provide an update of the high-level waste (HLW) sludge data package for the final privatization request for proposal (RFP). The data package includes anion and cation composition ranges, amount of wastes to be delivered, analytical requirements that must be fulfilled by DOE to meet contractual agreements, estimated solids concentration, pH, any applicable rheological information, water content, etc. The specification also includes definition of the interface and responsibilities of DOE and the vendor(s) with respect to the fee. The update will provide information requested during review of the draft RFP and available data that will reduce the range of compositional uncertainty.

Description of what Constitutes Completion of the Commitment:

Updated data package within the final RFP.

Acceptance Criteria:

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No T33-96-202

Revision/CIN: 0

WBS Number 1.01.01.03.03

Due Date: 1/15/96

ADS No: 1240-0

Title: ISSUE HIGH LEVEL WASTE
PRETREATMENT PRODUCT
SPECIFICATIONS

Schedule ID: H12A411A

Scheduler: Street

Milestone Level:

- ☐ TPA
- ☐ DOE-HQ
- ☐ DOE-FO
- ☒ DOE-RL
- ☐ Contractor

Deliverables:

- ☐ Report
- ☐ Letter
- ☐ Drawing
- ☒ Other (Specify)

Product
Specifications

Addressed To:

- ☐ DOE-HQ
- ☒ DOE-RL
- ☐ Other (Specify)

Description of this Commitment:

Provide an update of the high-level waste (HLW) pretreatment product specifications for the final privatization request for proposal (RFP). The effort on pretreatment product specifications will be an interface with the HLW immobilization effort to prepare feed specifications for the final RFP.

Description of what Constitutes Completion of the Commitment:

Updated product specification within the final RFP for use by retrieval during phase I pretreatment.

Acceptance Criteria:

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No T33-96-204

Revision/CIN: 0

WBS Number 1.01.01.03.03.01.0002.0005

Due Date: 8/30/96

ADS No: 1240-0

Title: ISSUE TWRS PROCESS TECHNICAL
BASELINE

Schedule ID: H12B512A

Scheduler: Street

Milestone Level:

Deliverables:

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC
INTERNAL

Description of this Commitment:

Establish and document the technical baseline for TWRS privatization for use as the basis for top-level TWRS systems engineering analysis.

Description of what Constitutes Completion of the Commitment:

WHC SD approved by appropriate organizations
Process schematic and mass balance
Identify major M&O contractor and vendor interfaces
Process and functional description

Acceptance Criteria:

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No T33-96-231

Revision/CIN: 0

WBS Number 1.01.01.03.03.01.0002.0002

Due Date: 9/16/96

ADS No: 1240-0

Title: Complete HLW Pretreatment Update of
TWRS F&R's

Schedule ID: H12A212A

Scheduler: Street

Milestone Level:

- ☐ TPA
- ☐ DOE-HQ
- ☐ DOE-FO
- ☒ DOE-RL
- ☐ Contractor

Deliverables:

- ☐ Report
- ☐ Letter
- ☐ Drawing
- ☒ Other (Specify)
Input

Addressed To:

- ☐ DOE-HQ
- ☐ DOE-RL
- ☒ Other (Specify)
WHC Internal

Description of this Commitment:

The scope includes the identification of inputs, outputs and constraints for each function within HLW pretreatment to support the effort to publish the Functions & Requirements Document (F&R). The publication of the F&R will be handled by the TWRS Systems Engineering group.

Description of what Constitutes Completion of the Commitment:

Information on HLW Pretreatment will be provided to the TWRS Systems Engineering group for publication of the F&R.

Acceptance Criteria:

N/A

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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WHC-SP-1101
REV. 1

Milestone Control No T33-96-233

Revision/CIN: 0

WBS Number 1.01.01.03.03.01.0002.0002

Due Date: 5/1/96

ADS No: 1240-0

Title: Complete HLW Pretreatment Input to TWRS
Technical Requirements Specification (TRS)

Schedule ID: H12A214A

Scheduler: Street

Milestone Level:

- ☐ TPA
- ☐ DOE-HQ
- ☐ DOE-FO
- ☒ DOE-RL
- ☐ Contractor

Deliverables:

- ☐ Report
- ☐ Letter
- ☐ Drawing
- ☒ Other (Specify)
Input

Addressed To:

- ☐ DOE-HQ
- ☐ DOE-RL
- ☒ Other (Specify)
WHC Internal

Description of this Commitment:

The product will include constraints, performance specification, interface definitions, interface diagrams, and architecture tables. The scope of this work includes the technical work required to identify constraints and performance requirements as they become available. The final TRS document will be published by the TWRS Systems Engineering Group.

Description of what Constitutes Completion of the Commitment:

HLW Pretreatment input will be provided to the TWRS SYstems Engineering Group for completion of the final TRS.

Acceptance Criteria:

N/A

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No T33-96-235
WBS Number 1.01.01.03.03.01.0002.0004

Revision/CIN: 0
Due Date: 8/30/96
ADS No: 1240-0
Schedule ID: H12A4212A
Scheduler: Street

Title: Summary Feed Pretreatment Plan

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Prepare a plan on how to wash and combine sludge solids from tanks AZ-101, AZ-102, and C-106, and deliver solids to a vendor feed tank.

Description of what Constitutes Completion of the Commitment:

The HLW Project will provide an estimate of the composition of the washed and combine solids and provide a plan for washing and transferring the solids to a vendor feed tank.

Acceptance Criteria:

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1**

Milestone Control No T33-96-237

Revision/CIN: 0

WBS Number 1.01.01.03.03.01.0002.0002

Due Date: 9/16/96

ADS No: 1240

Title: ISSUE INTERFACE CONTROL
DOCUMENT (ICD) FOR HLW
PRETREATMENT

Schedule ID: H12A21

Scheduler:

Milestone Level:

- ☐ TPA
- ☐ DOE-HQ
- ☐ DOE-FO
- ☒ DOE-RL
- ☐ Contractor

Deliverables:

- ☐ Report
- ☐ Letter
- ☐ Drawing
- ☒ Other (Specify)
INTERFACE
CONTROL

Addressed To:

- ☐ DOE-HQ
- ☒ DOE-RL
- ☐ Other (Specify)

Description of this Commitment:

THIS WORK INCLUDES THE COMPIILATION OF DETAILED INFORMATION REGARDING THE RELATIONSHIP BETWEEN THE HLW FACILITY AND EACH OF THE SUBPROJECTS WITHIN, AND EXTERNAL TO, HLW PRETREATMENT. THE FINAL INTERFACE CONTROL DOCUMENT WILL BE PUBLISHED BY THE TWRS SYSTEMS ENGINEERING GROUP.

Description of what Constitutes Completion of the Commitment:

THE HLW PROJECT WILL PROVIDE DETAILED INFORMATION ON TH EINTERFACE OF THE HLW FACILITY AND IT'S SUBPROJECTS TO HLW PRETREATMENT.

Acceptance Criteria:

N/A

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No T33-96-251

Revision/CIN: 0

WBS Number 1.01.01.03.03

Due Date: 2/7/96

ADS No: 1240-0

Title: ISSUE HIGH LEVEL WASTE
IMMOBILIZATION FACILITY FEED
SPECIFICATIONS

Schedule ID: H22A33A

Scheduler: Street

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Update the specifications for HLW Immobilization feed that is to be processed by a private vendor.

Description of what Constitutes Completion of the Commitment:

Compile waste characterization information generated by HLW Pretreatment Project

Estimate feed delivery to vendor feed tank.

WHC SD approved by appropriate organizations

Update feed specification in the Request for Proposal

Acceptance Criteria:

Reduced uncertainty associated with character and delivery of prepared HLW feed

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T33-96-257

Revision/CIN: 0

WBS Number 1.01.01.03.03.02.0002.0003

Due Date: ~~8/30/96~~ 8/07/96

ADS No: 1240-0

Title: Document Basis for HLW Immobilization
Feed Specifications

Schedule ID: H22A35A

Scheduler: Street

Milestone Level:

- ☐ TPA
- ☐ DOE-HQ
- ☐ DOE-FO
- ☒ DOE-RL
- ☐ Contractor

Deliverables:

- ☐ Report
- ☐ Letter
- ☐ Drawing
- ☒ Other (Specify)
Supporting
Document

Addressed To:

- ☐ DOE-HQ
- ☒ DOE-RL
- ☐ Other (Specify)

Description of this Commitment:

Document the basis for the HLW Immobilization feed specification that was provided to private vendors.
Describe the available data and how it was used or why it was discounted.

Description of what Constitutes Completion of the Commitment:

Compile the waste characterization information that was considered for the Request for Proposal. Compile the pretreatment information that was assumed for the RFP. Document the compiled information and review it with the RFP writer.

Acceptance Criteria:

WHC SD approved by appropriate organizations.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T33-96-301

Revision/CIN: 0

WBS Number 1.01.01.03.03.02.0002.0006

Due Date: 9/30/96

ADS No: 1240-0

Title: Automate Waste Staging Flowsheet

Schedule ID: H22B611A

Scheduler: Street

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Automate the waste staging flowsheet such that various waste staging concepts can be evaluated. The concepts will be evaluated in terms of impacts: tank farm logistics, tank usage, immobilization processes and disposal costs. This effort will consist of setting up the G2 software system (G2 is a trademark of Gynsym Corporation) to depict the event-oriented operations of the TWRS out to the year 2028. Inputs to, and outputs from, the system will be primarily in graphical format. The system will track the location of chemicals and radionuclides as they move through the TWRS complex. Complicated chemical reactions will be modeled, automatically, by invoking existing computer programs.

Description of what Constitutes Completion of the Commitment:

This effort is complete when the software system has been validated. The system has been validated when it has been shown that it will meet its intended objectives in the environment for which it was intended.

Acceptance Criteria:

The final report for this effort will describe how the system was validated. A working demonstration will be available.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
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**WHC-SP-1101
REV. 1**

Milestone Control No T33-96-449
WBS Number 1.01.01.03.03

Revision/CIN: 0
Due Date: 2/15/96
ADS No: 1240-0
Schedule ID: H22A813A

Title: COMPLETE ANNOTATED
BIBLIOGRAPHY

Scheduler: Street

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Identify, evaluate, and compile data on the expected behavior and properties of Pretreated HLW during high level waste immobilization and supporting processes. Includes evaluation and definition of properties and behavior of feeds, process streams, and process residues (except product glass) during and after processing in candidate process operations. Process operations of interest include: Primary feed processing, offgas generation and treatment, feed calcining and melting, liquid process waste treatment, process stream sampling and monitoring, and analyses of process samples. Work includes evaluation of adequacy of waste simulants.

Description of what Constitutes Completion of the Commitment:

Westinghouse Supporting Document approved by appropriate organizations and cleared for public release

Acceptance Criteria:

Reduced uncertainty associated with the applicability of documents that describe HLW feed processing behavior

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No T33-97-107

Revision/CIN: 0

WBS Number 1.01.01.03.03.02.0001.0004

Due Date: 9/15/97

ADS No: 1220-1240

Title: ISSUE FINAL HLW PRETREATMENT /
HLW IMMOBILIZATION INPUT TO THE
FY 1998 MULTI YEAR PROGRAM PLAN

Schedule ID: H210484B

Scheduler: CROWE

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
MULTI YEAR
PROGRAM

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

WORK SCOPE TO BE INCLUDED IN THE THREE YEAR WINDOW OF THE MULTI YEAR PROGRAM PLAN (MYPP) IS DEVELOPED FOR THE HIGHER LEVEL MYPP ACTIVITIES BY BREAKING DOWN TH EACTIVITIES INTO MORE DETAILED UNITS OF WORK FOR THE THREE YEAR WINDOW BEGINNING IN FY 1998. PRODUCTS TO BE INCLUDED ARE WBS DICTIONARIES, MILESTONE DESCRIPTION SHEETS, COST BASELINES IN THE FORM OF COST ACCOUNT SCHEDULES, ACTIVITY PLANNING FORMS AND BASIS OF ESTIMATES.

Description of what Constitutes Completion of the Commitment:

THIS MIOLESTONE WILL BE CONSIDERED COMPLETE WHEN THE HLW PRETREATMENT AND HLW IMMOBILIZATION MULTI YEAR PROGRAM PLAN IS SUBMITTED TO DOE-RL

Acceptance Criteria:

PLANNING PRODUCT WILL COMPLY TO DOE-RL STANDARDS. MYPP WILL BE APPROVED BY WHC AND RL.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Date Milestone Was Completed

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**WHC-SP-1101
REV. 1**

Milestone Control No T33-97-137

Revision/CIN: 0

WBS Number 1.01.01.03.03.02.0001.0002

Due Date: 5/30/97

ADS No: 1240

Title: COMPLETE HLW PRETREATMENT /
HLW IMMOBILIZATION INPUT TO TH
EINTO THE FY 1997 ADS BUDGET
SUBMITTAL.

Schedule ID: H210382B

Scheduler: Street

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
ADS BUDGET
SUBMITTAL

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

THE ADS IS DEVELOPED FROM ACTIVITIES IN THE MULTI YEAR PROGRAM PLAN (MYPP) WITH DETAILED NARRATIVE DESCRIBING THE WORKSCOPE IN THE PLANNING YEAR. BUDGET AND FUNDING LEVEL RECONCILE TO ADS TARGETS.

Description of what Constitutes Completion of the Commitment:

THE MILESTONE WILL BE CONSIDERED COMPLETE WHEN THE RL APPROVED HLW PRETREATMENT/HLW IMMOBILIZATION ADS HAS BEEN SUBMITTED TO WHC BASELINE.

Acceptance Criteria:

APPROVAL OF FY 1997 ADS FOR THE HLW PRETREATMENT AND HLW IMMOBILIZATION SUB-PROJECTS, ADS 1220 & 1240 BY RL AND WHC. THE FY 1998 ADS WILL INCLUDE BUDGET AND FUNDING LEVELS RECONCILED TO THAT YEAR'S TARGET.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Date Milestone Was Completed

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**WHC-SP-1101
REV. 1**

Milestone Control No T33-98-107

Revision/CIN: 0

WBS Number 1.01.01.03.02.0001.0004

Due Date: 9/15/98

ADS No: 1240-0

Title: Issue Final HLW Pretreatment/HLW
Immobilization Input to the FY 1999 Multi-
Year Program Plan

Schedule ID: H210494B

Scheduler: Street

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
MYPP

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Work scope to be included in the three year window of the Multi-Year Program Plan (MYPP) is developed from the high level MYPP activities by breaking down the activities into more detailed units of work for the three year window beginning FY 1999. Products to be included are WBS Dictionaries written at the activity (Level 5) and cost account (Level 6) levels, program logic and schedules, milestone description sheets, cost baselines in the form of cost account schedules, milestone description sheets, cost baselines in the form of cost account schedules, activity baselines in the form of cost account schedules, activity planning forms and basis of estimates.

Description of what Constitutes Completion of the Commitment:

This milestone will be considered complete when the HLW Pretreatment/HLW Immobilization Multi-Year Program Plan is transmitted to RL.

Acceptance Criteria:

Planning products will comply with RL standards. Approval of the FY 1999 Multi-Year Program Plan for the HLW Pretreatment and HLW Immobilization Sub-Projects, ADS 1220 and 1240 by WHC and RL>

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No T33-98-132

Revision/CIN: 0

WBS Number 1.01.01.03.03.02.0001.0002

Due Date: 1/30/98

ADS No: 1240-0

Title: HLW STRATEGY DOCUMENT, FY 1998,
REV. 4

Schedule ID: H21028A

Scheduler: STREET

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC
PROGRAM

Description of this Commitment:

UPDATE THE HLW PROGRAM STRATEGY DOCUMENT BASED ON STATUS OF PRIVATIZATION ACTIVITY, RESULTS OF TRADE STUDY, AND OTHER RELEVANT DOCUMENTATION.

Description of what Constitutes Completion of the Commitment:

REVISION 4 OF HLW PROGRAM STRATEGY. (WHC-IP-1061. REV. 4)

Acceptance Criteria:

PROGRAM OFFICE AND DOE-RL APPROVAL.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No T33-98-137

Revision/CIN: 0

WBS Number 1.01.01.03.03.02.0001.0003

Due Date: 5/29/98

ADS No: 1240

Title: COMPLETE HLW PRETREATMENT /
HLW IMMOBILIZATION INPUT TO THE
FY 1998 ADS BUDGET SUBMITTAL.

Schedule ID: H210392B

Scheduler: Street

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
ADS BUDGET
SUBMITTAL

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC
BASELINE

Description of this Commitment:

THE FY 1998 ADS FOR HLW PRETREATMENT AND THE HLW IMMOBILIZATION SUB -
PROJECTS, ADSs 1220 & 1240. THE ADS IS DEVELOPED FROM THE ACTIVITIES IN THE MULTI
YEAR PROGRAM PLAN (MYPP) WITH DETAILED NARRATIVE DESCRIBING THE WORK SCOPE
IN THE PLANNING YEAR. BUDGET AND FUNDING LEVELS RECONCILE TO ADS TARGETS.

Description of what Constitutes Completion of the Commitment:

THIS MILESTONE WILL BE CONSIDERED COMPLETE WHEN THE DOE-RL APPROVED HLW
PRETREATMENT / HLW IMMOBILIZATION ADS HAS BEEN SUBMITTED TO WHC BASELINE
INTEGRATION.

Acceptance Criteria:

APPROVAL OF FY 1998 ADS FOR THE HLW PRETREATMENT AND THE HLW IMMOBILIZATION
ADS SUB-PROJECTS, ADS 1220-1240 BY WHC AND RL. THE FY 1998 ADS WILL INCLUDE
BUDGET AND FUNDING LEVELS RECONCILED TO THAT YEARS TARGET.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T33-98-355

Revision/CIN: 0

WBS Number 1.01.01.03.03

Due Date: 2/27/98

ADS No: 1240-0

Title: COMPLETE HIGH LEVEL WASTE
IMMOBILIZATION FACILITY PHASE I
DOWNSELECT

Schedule ID: H23A131A

Scheduler: Street

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

The selection of 1 vendor for Phase IB Tank Waste Remediation System (TWRS) privatization efforts.

Description of what Constitutes Completion of the Commitment:

Written selection of one vendor.

Acceptance Criteria:

Selection of 1 vendor for the privatization of TWRS to complete design and construction of HLW Immobilization facilities.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T33-00-454

Revision/CIN: 0

WBS Number 1.01.01.03.03

Due Date: 9/29/2000

ADS No: 1240-0

Title: COMPLETE IMMOBILIZED HIGH LEVEL
WASTE PHASE I FINAL SAFETY
ANALYSIS REVIEW

Schedule ID: H24A32A

Scheduler: Street

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
RCR

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Perform independent review of HLW Facilities Final Safety Analysis Report (FSAR), for Phase I. Vendors to provide FSAR, Phase I to Independent Review Team on 10/01/99. Independent Review Team provide comments to vendor.

Description of what Constitutes Completion of the Commitment:

Independent Review Team to supply FSAR, Phase I, comments to vendors.

Acceptance Criteria:

Vendors provide FSAR for the HLW Facilities, Phase I to the Independent Review Team for comments. Independent Review Team may consist of independent contract members, WHC staff, and/or PNL staff. Comments submitted on RCR forms.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
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**WHC-SP-1101
REV. 1**

Milestone Control No T33-01-473

Revision/CIN: 0

WBS Number 1.01.01.03.03

Due Date: 5/31/2001

ADS No: 1240-0

Title: COMPLETE CONSTRUCTION /
STARTUP PHASE I INFRASTRUCTURE

Schedule ID: H24A76A

Scheduler: Street

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC
PROGRAM

Description of this Commitment:

Contractor completes Construction/Startup of HLW Immobilization Phase I Operational System Infrastructure.

Description of what Constitutes Completion of the Commitment:

Construction contractor completes all construction work packages.

Acceptance Criteria:

Sign-off and acceptance by WHC of completed work packages.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Date Milestone Was Completed

**Westinghouse Hanford Company
Tank Waste Remediation System
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**WHC-SP-1101
REV. 1**

Milestone Control No T33-04-493

Revision/CIN: 0

WBS Number 1.01.01.03.03

Due Date: 9/30/2004

ADS No: 1240-0

Title: COMPLETE IMMOBILIZED HIGH LEVEL
WASTE PHASE II REQUEST FOR
PROPOSAL

Schedule ID: H23B21A

Scheduler: Street

Milestone Level:

- ☐ TPA
- ☒ DOE-HQ
- ☐ DOE-FO
- ☐ DOE-RL
- ☐ Contractor

Deliverables:

- ☐ Report
- ☐ Letter
- ☐ Drawing
- ☒ Other (Specify)
REQUEST FOR
PROPOSAL

Addressed To:

- ☐ DOE-HQ
- ☐ DOE-RL
- ☒ Other (Specify)
CBD
PUBLICATION

Description of this Commitment:

The publication of the Final RFP for private sector involvement in the Tank Waste Remediation System (TWRS), processing of HLW in the Commerce Business Daily (CBD) publication, and its dissemination to the public; signifying the completion of this milestone.

Description of what Constitutes Completion of the Commitment:

Prepare, package and publish, one Final RFP for publication in the CBD for public reading.

Acceptance Criteria:

The dissemination of the Final RFP through the CBD publication

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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**WHC-SP-1101
REV. 1**

Milestone Control No T33-05-356

Revision/CIN: 0

WBS Number 1.01.01.03.03

Due Date: 8/30/2005

ADS No: 1240-0

Title: AWARD IMMOBILIZED HIGH LEVEL
WASTE PHASE II CONTRACT

Schedule ID: H23B22A

Scheduler: Street

Milestone Level:

Deliverables:

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
contract award

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

The eminent selection and award of 1 vendor contract for Phase 2 Tank Waste Remediation System (TWRS) HLW Processing privatization efforts.

Description of what Constitutes Completion of the Commitment:

The delivery of one vendor contract to the selected vendor for entrance into Phase 2 privatization of TWRS

Acceptance Criteria:

The acceptance and contractual signing of 1 vendor contract, by the selected vendor for the privatization of TWRS

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T33-05-453

Revision/CIN: 0

WBS Number 1.01.01.03.03.02.0004.0009.0003

Due Date: 10/3/2005

ADS No: 1240-0

Title: Key Decision 0, 1 and 2, Initiate Design of
the HLW Infrastructure Project, Phase II

Schedule ID: H24B1A

Scheduler: Street

Milestone Level:

- ☐ TPA
- ☐ DOE-HQ
- ☐ DOE-FO
- ☒ DOE-RL
- ☐ Contractor

Deliverables:

- ☐ Report
- ☐ Letter
- ☐ Drawing
- ☒ Other (Specify)
CONCEPTUAL
DESIGN

Addressed To:

- ☐ DOE-HQ
- ☒ DOE-RL
- ☐ Other (Specify)

Description of this Commitment:

A Conceptual Design Report (CDR) will be prepared by an architect/engineer firm. The CDR will meet the requirements of RLIP 4700.1A "Project Management System" (DOE-RL-1991). The CDR will be approved by WHC and RL.

Description of what Constitutes Completion of the Commitment:

A letter to WHC from RL approving start of definitive design (Title I/II).

Acceptance Criteria:

In addition to the CDR, a WHC revised project baseline with a request for direction authorization to spend capital funds will be submitted.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No T33-08-454

Revision/CIN: 0

WBS Number 1.01.01.03.03.02.0004.0009.0004

Due Date: 10/1/2008

ADS No: 1240-0

Title: Key Decision 3 and 4, Approval to
Commence Construction/Operation of the
HLW Infrastructure Project, Phase II

Schedule ID: H24B1B

Scheduler: Street

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Activities leading to initiation of construction and ultimately to the approval to commence operation include completion of the following: conceptual design and initiation of definitive design, preliminary safety analysis report, applicable environmental documentation and required project management documentation per DOE Order 4700.1

Description of what Constitutes Completion of the Commitment:

Letter to WHC from RL approving start of construction.

Acceptance Criteria:

Preparation of project documentation (e.g., dated project plan) for DOR Acquisition Executive approval of Key Decisions 3 and 4.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T33-10-357

Revision/CIN: 0

WBS Number 1.01.01.03.03

Due Date: 12/31/2012

ADS No: 1240-0

Title: COMPLETE IMMOBILIZED HIGH LEVEL
WASTE PHASE II D/C/STARTUP

Schedule ID: H23B42A

Scheduler: Street

Milestone Level:

- ☐ TPA
- ☒ DOE-HQ
- ☐ DOE-FO
- ☐ DOE-RL
- ☐ Contractor

Deliverables:

- ☐ Report
- ☐ Letter
- ☐ Drawing
- ☒ Other (Specify)
Inspection of
facility

Addressed To:

- ☒ DOE-HQ
- ☐ DOE-RL
- ☐ Other (Specify)

Description of this Commitment:

Construction of one 12-ton HLW vitrification facility.

Description of what Constitutes Completion of the Commitment:

One turnkey HLW vitrification facility.

Acceptance Criteria:

The completion and finalized inspection of the one HLW vitrification facility.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T33-10-405
WBS Number 1.01.01.03.03

Revision/CIN: 0
Due Date: 4/30/2010
ADS No: 1240-0
Schedule ID: H14B32A

Title: COMPLETE HIGH LEVEL WASTE
PRETREATMENT PHASE II FINAL
SAFETY ANALYSIS REVIEW

Scheduler: Street

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)

COMMENTS

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Perform independent review of HLW Facilities Final Safety Analysis Report (FSAR), for Phase II. Vendors to provide FSAR, Phase II to Independent Review Team on 04/01/09. Independent Review Team provide comments to vendor.

Description of what Constitutes Completion of the Commitment:

Independent Review Team to supply FSAR, Phase II, comments to vendors.

Acceptance Criteria:

Vendors provide FSAR for the HLW Facilities, Phase II to the Independent Review Team for comments. Independent Review Team may consist of independent contract members, WHC staff, and/or PNL staff. Comments submitted on RCR forms.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No T33-10-456
WBS Number 1.01.01.03.03

Revision/CIN: 0
Due Date: 4/30/2010
ADS No: 1240-0
Schedule ID: H24B32B

Title: COMPLETE IMMOBILIZED HIGH
LEVEL WASTE PHASE II FINAL
SAFETY ANALYSIS REVIEW

Scheduler: Street

Milestone Level:

- ☐ TPA
- ☐ DOE-HQ
- ☐ DOE-FO
- ☒ DOE-RL
- ☐ Contractor

Deliverables:

- ☐ Report
- ☐ Letter
- ☐ Drawing
- ☒ Other (Specify)
Comments

Addressed To:

- ☐ DOE-HQ
- ☒ DOE-RL
- ☐ Other (Specify)

Description of this Commitment:

Perform independent review of HLW Facilities Final Safety Analysis Report (FSAR), for Phase II. Vendors to provide FSAR, Phase II to Independent Review Team on 04/01/09. Independent Review Team provide comments to vendor.

Description of what Constitutes Completion of the Commitment:

Independent Review Team to supply FSAR, Phase II, comments to vendors.

Acceptance Criteria:

Vendors provide FSAR for the HLW Facilities, Phase II to the Independent Review Team for comments. Independent Review Team may consist of independent contract members, WHC staff, and/or PNL staff. Comments submitted on RCR forms.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No T33-10-491
WBS Number 1.01.01.03.03

Revision/CIN: 0
Due Date: 7/1/2010
ADS No: 1240-0
Schedule ID: H14B10A

Title: COMPLETE HIGH LEVEL WASTE
PRETREATMENT PHASE II SUPPORT
SYSTEM ACQUISITION

Scheduler: Street

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Complete design, construction, startup utilities/support systems for pretreatment phase II facility.

Description of what Constitutes Completion of the Commitment:

Letter of approval to commence startup from DOE-RL.

Acceptance Criteria:

Approval to commence startup from the HLW Program and the equivalent of a Key Decision 4 from DOE-RL.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
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**WHC-SP-1101
REV. 1**

Milestone Control No T33-34-100

Revision/CIN: 0

WBS Number 1.01.01.03.03

Due Date: ~~1/3/2034~~ 12/22/33

ADS No: 1240-0

Title: COMPLETE PHASE II D&D OF THE
HIGH LEVEL WASTE IMMOBILIZATION
FACILITY

Schedule ID: H28BA

Scheduler: Street

Milestone Level:

- ☐ TPA
- ☒ DOE-HQ
- ☐ DOE-FO
- ☐ DOE-RL
- ☐ Contractor

Deliverables:

- ☐ Report
- ☐ Letter
- ☐ Drawing
- ☒ Other (Specify)
DECOMMISSIO
NED FAC

Addressed To:

- ☒ DOE-HQ
- ☐ DOE-RL
- ☐ Other (Specify)

Description of this Commitment:

The decontamination and decommissioning of one 12 ton HLW vitrification facility.

Description of what Constitutes Completion of the Commitment:

A decontaminated and decommissioned HLW vitrification facility.

Acceptance Criteria:

The completion of D&D activities of one 12 ton HLW vitrification facility.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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WHC-SP-1101
REV. 1

Milestone Control No T3A-96-100
WBS Number 1.01.01.03.03.02.0008

Revision/CIN: 0
Due Date: 9/26/2001*
ADS No: 1240-0

Title: SUBMIT A REPORT SUMMARIZING THE
TESTING OF ENHANCED SLUDGE
WASHING & RELATED TANK WASTE
SLUDGE PRETREATMENT METHODS
FOR SAMPLES OF TANK WASTE
SLUDGE (M-50-03-T2B)

Schedule ID: H12B8524A

Scheduler: Street

Milestone Level:	Deliverables	Addressed To:
☒ TPA M-50-03-T2B	☒ Report	☐ DOE-HQ
☐ DOE-HQ	☐ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☐ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

A decision basis will be developed which implements decision methodology and decision criteria developed with stakeholder participation for TPA M-50-03 "Complete evaluation of enhanced sludge washing to determine whether advanced sludge separation processes are required" (renegotiated from 03/31/98). The performance of sludge washing and related tank waste sludge pretreatment methods will be evaluated as part of the decision basis verification process using data available in FY 2000. The initial evaluation results will be used to :

Provide a basis for a decision on the need for advanced sludge separations if a decision is required earlier than the renegotiated date.

Provide programmatic guidance to prioritize testing, engineering, and development efforts required to reduce the uncertainty of factors affecting the decision.

Description of what Constitutes Completion of the Commitment:

The deliverables are:

A contractor approved draft report transmitted to DOE-RL for review by 06/30/00.

A final report approved for external publication transmitted to DOE-RL by 08/29/00.

Acceptance Criteria:

The acceptance criteria, including the plan for accomplishing this milestone, is documented in WHC-EP-0805, Enhanced Sludge Washing Evaluation Plan, issued 09/30/94. A draft of the deliverable will be submitted three months prior to the completion date for review by DOE and stakeholders. A final report approved for external publication will be transmitted to DOE-RL one month prior to the completion date for transmittal to WDOE by the completion date.

*TPA Baseline date is: 9/30/96

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Tank Waste Remediation System
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Milestone Control No T3A-96-100
WBS Number 1.01.01.03.03.02.0008

Revision/CIN: 0
Due Date: 9/26/2001
ADS No: 1240-0

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System**

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Milestone Description Sheet

**WHC-SP-1101
REV. 1**

Milestone Control No T3A-97-101

Revision/CIN: 0

WBS Number 1.01.01.03.03.01.0002.0008

Due Date: 9/24/2002 *

ADS No: 1240-0

Title: SUBMIT A REPORT SUMMARIZING THE
TESTING OF ENHANCED SLUDGE
WASHING & RELATED TANK WASTE
SLUDGE PRETREATMENT METHODS
FOR SAMPLES OF TANK WASTE
SLUDGE (M-50-03-T2C)

Schedule ID: H12B8532A

Scheduler: Street

Milestone Level:

Deliverables

Addressed To:

☒ TPA M-50-03-T2C
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

This milestone supports completion of TPA M-50-03 "Complete evaluation of enhanced sludge washing to determine whether advanced sludge separation processes are required" (renegotiated from 03/31/98). The performance of sludge washing and related tank waste sludge pretreatment methods will be evaluated to determine if these processes will be capable of satisfying criteria which will be established during FY 2000. A decision methodology will be developed with stakeholder participation and implemented. A preliminary recommendation will be developed based on data available during FY 2001 which will:

Provide a basis for a decision on the need for advanced sludge separations if a decision is required earlier than the renegotiated date.

Provide programmatic guidance to prioritize testing, engineering, and development efforts required to reduce the uncertainty of factors affecting the decision.

Description of what Constitutes Completion of the Commitment:

Acceptance Criteria:

THE REPORT WILL INCLUDE THE LATEST LABORATORY DATA AVAILABLE ON SLUDGE WASHING AND ENHANCED SLUDGE WASHING AND THE EXPECTED IMPACTS ON HLW GLASS VOLUME WILL BE PROVIDED.

*TPA Baseline date is: 9/30/97

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Tank Waste Remediation System
Milestone Description Sheet

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Milestone Control No T3A-97-101

Revision/CIN: 0

WBS Number 1.01.01.03.03.01.0002.0008

Due Date: 9/24/2002

ADS No: 1240-0

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T3A-98-100
WBS Number 1.01.01.03.03.01.0002.0008

Revision/CIN: 0
Due Date: 9/24/2003 *
ADS No: 1240-0

Title: COMPLETE EVALUATION OF
ENHANCED SLUDGE WASHING TO
DETERMINE WHETHER ADVANCED
SLUDGE SEPARATION PROCESSES ARE
REQUIRED (M-50-03)

Schedule ID: H12B8542A

Scheduler: Street

Milestone Level:	Deliverables	Addressed To:
☒ TPA M-50-03	☒ Report	☐ DOE-HQ
☐ DOE-HQ	☐ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☐ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

This milestone provides the basis for completing TPA M-50-03 "Complete evaluation of enhanced sludge washing to determine whether advanced sludge separation processes are required" (renegotiated from 03/31/98). The performance of sludge washing and related tank waste sludge pretreatment methods will be evaluated to determine if these processes will be established during FY 2001. A decision methodology will be developed with stakeholder participation and implemented. A draft recommendation will be developed based on data available during FY 2002 which will:

Provide a basis for a decision on the need for advanced sludge separations if a decision is required earlier than the renegotiated date.

Be revised consistent with results from all testing, engineering, and development efforts completed during FY 1996 and serve as the review and comment draft for the Final Recommendation.

Description of what Constitutes Completion of the Commitment:

The deliverables are:

A contractor approved draft report transmitted to DOE-RL for review by 06/30/02.

A final report approved for external publication transmitted to DOE-RL by 08/31/02.

Acceptance Criteria:

The acceptance criteria, including the plan for accomplishing this milestone, is documented in WHC-EP-0805, Enhanced Sludge Wash Evaluation Plan, issued 09/30/94. A draft of the deliverable will be submitted three months prior to the completion date for review by DOE and stakeholders. A final report approved for external publication will be transmitted to DOE-RL one month prior to the completion date for transmittal to WDOE by the completion date.

*TPA Baseline date is: 3/31/98

Westinghouse Hanford Company
Tank Waste Remediation System
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Milestone Control No T3A-98-100

Revision/CIN: 0

WBS Number 1.01.01.03.03.01.0002.0008

Due Date: 9/24/2003

ADS No: 1240-0

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T3A-99-100
WBS Number 1.01.01.03.03.0004

Revision/CIN: 0
Due Date: 8/31/2005*
ADS No: 1240

Title: INITIATE DEFINITIVE DESIGN OF HLW
PRETREATMENT FACILITY

Schedule ID: H13B42A

Scheduler: Street

Milestone Level:

☒ TPA M-50-04-T02
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
CONTRACT

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
SELECTED
VENDOR

Description of this Commitment:

To the extent that additional facilities are needed for the solids treatment beyond In-Tank Processing (sludge washing with water and sodium hydroxide solution), they will be provided by a HLW pretreatment facility, WBS element 1.1.1.3..3.1.3.4, which may be a stand-alone facility or may be combined with the LLW pretreatment facility or with the HLW immobilization facility. This capability is scheduled to be operational by Jan, 2013, TPA Milestone 50-04, to support the HLW immobilization activity.

A contract will be awarded to a private vendor to begin design of a HLW pretreatment facility as part of Phase II of the HLW processing acquisition.

A sludge washing test will be conducted if sludge can be adequately mobilized with two mixer pumps, and if the sludge can be washed and separated from the waste solution as assumed in the Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement).

Description of what Constitutes Completion of the Commitment:

A contract with a private vendor

Acceptance Criteria:

Completion of a contract with a private vendor for HLW processing.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

*TPA Baseline date is: 11/30/98

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T3A-08-100

Revision/CIN: 0

WBS Number 1.01.01.03.03.01.0005.0001

Due Date: 1/31/2002 *

ADS No: 1240-0

Title: START HOT OPERATIONS OF HLW
PRETREATMENT FACILITY (M-50-04)

Schedule ID: H15B1B

Scheduler: Street

Milestone Level:

☒ TPA M-50-04
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Activities leading to start of hot operations of the HLW pretreatment facility include completion of: construction activities; inspections and acceptance test procedures; Final Safety Analysis Report; licensing under RCRA and Clean Air Act; operational readiness review for hot operations with actual radioactive waste. The operational testing with waste simulants will be conducted to demonstrate a capability to meet technical performance goals approved in the project and TWRS baselines prior to turnover of the plant to operations for start of hot operations.

Description of what Constitutes Completion of the Commitment:

Prior to start of hot operations, a letter will be transmitted to DOE-RL signifying completion of the operational readiness review in accordance with DOE Standard 3006-93, or equivalent and identifying that all conditions and recommendation of the DOE operational readiness evaluation have been met. The letter will also request approval to transfer mixed waste feed to the HLW pretreatment facility. Upon DOE approval, the operating contractor will introduce mixed operations will be provided in a transmittal letter to DOE-RL which will constitute the final deliverable for this milestone.

Acceptance Criteria:

The chief criteria are completion of the requirements of: Key Decision 4 - Approval to Commence Operation/Production per DOW Order 4700.1, Project Management System; completion of an operational readiness review per DOE Standard 3006-93, Planning and Conduct of Operational Readiness Reviews; and meeting the facility startup requirements set forth in DOE Order 5480.31, Startup and Restart of Nuclear Facilities and receipt of operating licenses from the regulatory agencies. Meeting these requirements by the operating contractor will serve as the basis for DOE approval of the operating contractor to start hot operations of the HLW pretreatment facility. Following approval by DOE, mixed waste feed from Tank Farms will be introduced into the HLW pretreatment facility.

*TPA Baseline date is: 6/30/08

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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Milestone Control No T3A-08-100
WBS Number 1.01.01.03.03.01.0005.0001

Revision/CIN: 0
Due Date: 1/31/2002
ADS No: 1240-0

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System**

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Milestone Description Sheet

**WHC-SP-1101
REV. 1**

Milestone Control No T3A-28-100
WBS Number 1.01.01.03.03.01.0005.0001

Revision/CIN: 0
Due Date: 12/30/2021 *
ADS No: 1240-0

Title: COMPLETE PRETREATMENT
PROCESSING OF HANFORD TANK
WASTE (M-50-00)

Schedule ID: H15B1A

Scheduler: Street

Milestone Level:

☒ TPA M-50-00
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Operation of the HLW Pretreatment Facility throughout the Phase II period producing pretreated HLW meeting the specification requirements and in the quantities specified in the contractual agreements with the government.

Description of what Constitutes Completion of the Commitment:

Pretreated HLW as specified in the contractual agreements between the vendor and the government.

Acceptance Criteria:

Completion of pretreatment processing of all retrieved HLW.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

*TPA Baseline date is: 12/31/28

A14-40

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Tank Waste Remediation System**

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Milestone Description Sheet

**WHC-SP-1101
REV. 1**

Milestone Control No T3C-95-112
WBS Number 1.01.01.03.03.01.0001

Revision/CIN: 1 TWR-95-104

Due Date: 7/9/96

ADS No: 1240-0

Title: ISSUE MISSION ANALYSIS (RL)

Schedule ID: H210512A

Scheduler: Street

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Completion and documentation of a mission analysis for the High-Level Waste program.

Description of what Constitutes Completion of the Commitment:

Mission Analysis document in final form will all comments resolved. Supporting material for DOE-RL and DOE-HQ review as necessary.

Acceptance Criteria:

Completion of review of mission analysis by DOE-HQ, and resolution of all comments. Delivery of revised Mission Analysis document.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T3C-95-122
WBS Number 1.01.01.03.03.01.0001

Revision/CIN: 1 TWR-95-104

Due Date: 11/11/96

ADS No: 1240-0

Title: ISSUE JUSTIFICATION of Mission Need
(RL)

Schedule ID: H11052B/21

Scheduler: Street

Milestone Level:

☐ TPA
☒ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☒ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Justification of Mission Need documentation suitable for obtaining Key Decision Zero approval.

Description of what Constitutes Completion of the Commitment:

Justification of Mission Need document in final form with all comments resolved.

Acceptance Criteria:

Completion of review of Justification of Mission Need by DOE-HQ and resolution of comments. Delivery of revised Justification of Mission Need to DOE-HQ.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No T3C-96-107
WBS Number 1.01.01.03.03.04.0001

Revision/CIN:
Due Date: 8/30/96
ADS No: 1240-0
Schedule ID: H22A411A

Title: UPDATE FEED PROCESSABILITY
EVALUATION

Scheduler: Street

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Identify and develop strategies for controlling critical components through blending, pretreatment or glass formulation and dilution to maximize the waste oxide loading and optimize melter and plant performance. Issue updated feed processability assessment report.

Description of what Constitutes Completion of the Commitment:

Feed Processability Report.

Acceptance Criteria:

Transmittal of report to WHC management.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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**WHC-SP-1101
REV.1**

Milestone Control No T3C-96-115

Revision/CIN: 0

WBS Number 1.01.01.03.03.02.0001.0002

Due Date: 1/31/96

ADS No: 1240-0

Title: HLW STRATEGY DOCUMENT, FY96
REV. 2

Schedule ID: H21026A

Scheduler: Street

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Update HLW Program Strategy document based on status of privatization activity, results of trade studies, facility configuration study, and other relevant documentation.

Description of what Constitutes Completion of the Commitment:

Revision 2 of HLW Program Strategy. (WHC-IP-1061. Rev. 2)

Acceptance Criteria:

Program Office and DOE-RL approval.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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WHC-SP-1101
REV. 1

Milestone Control No T3C-96-116
WBS Number 1.01.01.03.03.04.0002

Revision/CIN:

Due Date: ~~4/18/96~~ 4/22/96

ADS No: 1240-0

Title: TRU WASTE DISPOSAL OPTIONS COST-
BENEFIT ANALYSIS & DRAFT
RECOMMENDATION

Schedule ID: H22B523A

Scheduler: Street

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Perform a cost/benefit analysis for TRU waste segregation assessing the impact on retrieval, pretreatment and vitrification plant operation versus the alternative of blending with HLW for repository disposal. Include consideration of the number of canisters produced and the cost of disposal for the segregated and non-segregated cases.

Description of what Constitutes Completion of the Commitment:

Cost-benefit analysis and recommendation report.

Acceptance Criteria:

Acceptance of report by TWRS management.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T3C-96-117

Revision/CIN:

WBS Number 1.01.01.03.03.02.0002.0005

Due Date: ~~4/19/96~~ 1/18/96

ADS No: 1240-0

Title: WIPP PRELIMINARY ACCEPTANCE OF
TRU WASTE DATA PACKAGE

Schedule ID: H22B522A

Scheduler: Street

Milestone Level:

Deliverables:

Addressed To:

- ☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

- ☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

- ☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Resolve review comments on draft TRU waste data package and obtain preliminary acceptance of plan by WIPP.

Description of what Constitutes Completion of the Commitment:

Preliminary TRU waste data package.

Acceptance Criteria:

Approval of plan by WIPP.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
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**WHC-SP-1101
REV. 1**

Milestone Control No T3C-96-126
WBS Number 1.01.01.03.03.04.0002

Revision/CIN: 0
Due Date: 10/29/96
ADS No: 1240-0

Title: ISSUE TRU TANK WASTE PROCESSING
STRATEGY DOCUMENT

Schedule ID: H22B514A

Scheduler: Street

Milestone Level:

- ☐ TPA
- ☒ DOE-HQ
- ☐ DOE-FO
- ☐ DOE-RL
- ☐ Contractor

Deliverables:

- ☒ Report
- ☐ Letter
- ☐ Drawing
- ☐ Other (Specify)

Addressed To:

- ☒ DOE-HQ
- ☐ DOE-RL
- ☐ Other (Specify)

Description of this Commitment:

Develop strategy to dispose of TRU tank waste. Provide internal review and approval. ☐☐ Address impacts and alternatives with respect to retrieval sequence, pretreatment methods, process flowsheet, design feed specifications, feed processability, and high-level waste functions and requirements.

Description of what Constitutes Completion of the Commitment:

TRU tank waste processing strategy document.

Acceptance Criteria:

DOE-RL approval of TRU tank waste processing strategy document.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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**WHC-SP-1101
REV. 1**

Milestone Control No T3C-97-112

Revision/CIN:

WBS Number 1.01.01.03.03.02.0001.0002

Due Date: 1/31/97

ADS No: 1240-0

Title: HLW STRATEGY DOCUMENT FY97
REV 3

Schedule ID: H21027A

Scheduler: Street

Milestone Level:

Deliverables:

Addressed To:

- ☐ TPA
- ☐ DOE-HQ
- ☐ DOE-FO
- ☒ DOE-RL
- ☐ Contractor

- ☒ Report
- ☐ Letter
- ☐ Drawing
- ☐ Other (Specify)

- ☐ DOE-HQ
- ☒ DOE-RL
- ☐ Other (Specify)

Description of this Commitment:

Update HLW Program Strategy document based on status of privatization activity, results of trade studies, facility configuration study, and other relevant documentation.

Description of what Constitutes Completion of the Commitment:

Revision 3 of HLW Program Strategy. (WHC-IP-1061. Rev. 3)

Acceptance Criteria:

Program Office and DOE-RL approval.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
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**WHC-SP-1101
REV. 1**

Milestone Control No T3C-98-100

Revision/CIN: 0

WBS Number 1.01.01.03.03.02

Due Date: 8/30/2005*

ADS No: 1240-0

Title: COMPLETE MELTER TESTS AND
SELECT REFERENCE MELTER

Schedule ID: H23B22B

Scheduler: Street

Milestone Level:

☒ TPA M-51-02
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Completed
Contracting

Addressed To:

☒ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Review vendor proposals. Select a vendor for Phase 2 HLW vitrification. Award of the Phase 2 contract will be a de facto melter selection.

Description of what Constitutes Completion of the Commitment:

Award of a contract for Phase 2 vitrification.

Acceptance Criteria:

This milestone will be considered complete upon award of the Phase 2 contract.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

*TPA Baseline date is: 9/30/98

**Westinghouse Hanford Company
Tank Waste Remediation System**

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Milestone Description Sheet

**WHC-SP-1101
REV. 1**

Milestone Control No T3C-98-101

Revision/CIN: 0

WBS Number 1.01.01.03.03

Due Date: 2/27/98 *

ADS No: 1240-0

Title: SUBMIT CONCEPTUAL DESIGN OF
HLW VITRIFICATION FACILITY (M-51-
03-T02)

Schedule ID: H23A302A

Scheduler: Street

Milestone Level:

Deliverables

Addressed To:

☒ TPA M-51-03-T01
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

SUBMITTAL OF CONCEPTUAL DESIGN REPORT OR EQUIVILANT, BY THE PHASE I HLW PROCESSING VENDORS, AT THE END OF THE DESIGN AND THE PERMIT STAGE OF PHASE I.

Description of what Constitutes Completion of the Commitment:

COMPLETE CONCEPTUAL DESIGN OF HLW VITRIFICATION FACILITY. PREPARE A CONCEPTUAL DESIGN REPORT AND PERMITTING PACKAGE FOR EVALUATION DURING PHASE I DOWN - SELECT.

Acceptance Criteria:

A DESIGN / PERMITTING PACKAGE, SUBMITTED BY THE VENDORS, WILL BE REVIEWED / APPROVED BY WHC AND SUBMITTED TO DOE-RL AS A BASIS TO PROCEED WITH THE DESIGN / CONSTRUCTION STAGE OF PHASE I. THIS ACTIVITY SATISFIES TPA TARGET MILESTONE M-51-03-T01.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

*TPA Baseline date is: 12/31/98

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Tank Waste Remediation System

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Milestone Description Sheet

WHC-SP-1101
REV. 1

Milestone Control No T3C-99-100

Revision/CIN: 0

WBS Number 1.01.01.03.03

Due Date: ~~12/31/98~~ 3/2/98

ADS No: 1240-0

Title: INITIATE DEFINITIVE DESIGN OF THE
HLW VITRIFICATION FACILITY

Schedule ID: H23A31A

Scheduler: Street

Milestone Level:

Deliverables:

Addressed To:

☒ TPA M-51-03-T02
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Contractual
Authority to

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
Vendor

Description of this Commitment:

COMPLETE EVALUATION OF THE DATA PACKAGES SUBMITTED BY THE VENDORS AT THE
END OF THE DESIGN / PERMIT STAGE OF PHASE I AND SELECT VENDORS TO PROCEED WITH
THE DESIGN AND CONSTRUCTION STAGE OF PHASE I. COMPLETE THE NECESSARY
CONTRACTING ACTION TO PROCEED.

Description of what Constitutes Completion of the Commitment:

Acceptance Criteria:

CONTRACTUAL AUTHORITY FOR THE VENDOR(S) TO PROCEED WITH THE DESIGN /
CONSTRUCT STAGE. THIS ACTIVITY SATISFIES THE TPA TARGET MILESTONE M-51-03-T02

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

*TPA Baseline date is: 12/31/98

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Tank Waste Remediation System
Milestone Description Sheet**

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**WHC-SP-1101
REV. 1**

Milestone Control No T3C-02-100
WBS Number 1.01.01.03.03

Revision/CIN: 0
Due Date: 2/1/2000*
ADS No: 1240
Schedule ID: H23A33A

Title: INITIATE CONSTRUCTION OF THE
HLW VITRIFICATION FACILITY

Scheduler:

Milestone Level:

☒ TPA M-51-03-T03
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
Ecology

Description of this Commitment:

Complete detailed design to the extent needed to begin construction of the Phase I HLW Immobilization facilities.

Description of what Constitutes Completion of the Commitment:

Initiation of construction of the HLW Immobilization Facility. This activity satisfies TPA Target Milestone # M-51-03-T03.

Acceptance Criteria:

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

*TPA Baseline date is:

6/30/02

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Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T3C-08-100

Revision/CIN: 0

WBS Number 1.01.01.03.03

Due Date: 1/31/2002 *

ADS No: 1240-0

Title: COMPLETE CONSTRUCTION OF THE
HLW VITRIFICATION FACILITY

Schedule ID: H23A33B

Scheduler: Street

Milestone Level:

Deliverables

Addressed To:

☒ TPA M-51-03-T04

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☐ Letter

☐ DOE-RL

☐ DOE-FO

☐ Drawing

☒ Other (Specify)

☐ DOE-RL

☒ Other (Specify)

Ecology

☐ Contractor

Acceptance of
support facilities

Description of this Commitment:

Complete construction of the Phase I HLW facility and all support facilities. Complete acceptance testing of HLW facility, including individual process systems, and all support facilities.

Description of what Constitutes Completion of the Commitment:

Successful completion of acceptance testing of the HLW facility, including each process system, and acceptance of support facilities constitutes completion of this milestone. This activity satisfies TPA Target Milestone # M-51-03-T04.

Acceptance Criteria:

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

*TPA Baseline date is: 12/31/07

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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Rev. 0

**WHC-SP-1101
REV. 1**

Milestone Control No T3C-10-100

Revision/CIN: 0

WBS Number 1.01.01.03.03.03

Due Date: 7/1/2002 *

ADS No: 1240-0

Title: INITIATE HOT OPERATIONS OF THE
HLW VITRIFICATION FACILITY (M-51-
03)

Schedule ID: H25A11A

Scheduler: Street

Milestone Level:

☒ TPA M-51-03
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
ECOLOGY

Description of this Commitment:

Complete all activities necessary to begin hot operations of the High-Level Waste (HLW) Vitrification Facility. This includes pre-operational testing with waste simulants (cold testing), completion of preparation for hot startup, and successful completion of an Operational Readiness Review.

Description of what Constitutes Completion of the Commitment:

All documentation for Key Decision 4 (KD-4), Start Operation, will be provided.

Acceptance Criteria:

The acceptance criteria for this milestone are DOE-HQ approval for Key Decision 4 and the authorization to start hot operations.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Date Milestone Was Completed

*TPA Baseline date is: 12/31/09

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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Rev.0

**WHC-SP-1101
REV. 1**

Milestone Control No T3C-28-100

Revision/CIN: 0

WBS Number 1.01.01.03.03.03

Due Date: 12/31/2028

ADS No: 1240-0

Title: COMPLETE VITRIFICATION OF
HANFORD HIGH LEVEL TANK WASTE
(M-51-00)

Schedule ID: H25B2A

Scheduler: Street

Milestone Level:

☒ TPA M-51-00
☐ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

Deliverables:

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
ECOLOGY

Description of this Commitment:

Complete vitrification and packaging of all Hanford Site high-level waste (HLW) and transuranic (TRU) waste stored in double-shell tanks (DST) and single-shell tanks (SST). This activity also includes preparation and packaging of cesium/strontium capsule packages will be qualified for final storage in a federal repository. Current estimates indicate that approximately 1,000 to 2,000 containers of vitrified waste will be produced from the HLW stored in DSTs and SSTs. This estimate assumes that sludge washing will be adequate for separation of HLW and low-level waste fractions.

Description of what Constitutes Completion of the Commitment:

This work will be completed when the production records are available for all of the containers filled with vitrification Hanford Site high level and TRU tank wastes and with overpacked cesium/strontium capsules.

Acceptance Criteria:

The acceptance criteria for this milestone is the validation by DOE-RL to DOE-HQ that the HLW vitrification production records are complete.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

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1.1.1.3.04.01 Low Level Waste Disposal

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.3.04.01.04	Initiate Prelim Design-LLW Interim Stor-KD 1/2	DOE-RL T34-00-002	01OCT99	
1.1.1.3.04.01.04	Initiate Construction-LLW Interim Storage-KD 3	DOE-RL T34-00-003	01JUN00	
1.1.1.3.04.01.05	Initiate Hot Ops of the LLW Interim Storage Fac	DOE-RL T34-02-010	01APR02	
1.1.1.3.04.01.04	Initiate Prelim Design-LLW Disposal-KD 1/2	DOE-RL T34-02-011	01OCT01	
1.1.1.3.04.01.04	Initiate Construction-LLW Disposal - KD 3	DOE-RL T34-05-005	01OCT04	
1.1.1.3.04.01.05	Complete Hot Ops of the LLW Interim Storage Fac	DOE-RL T34-09-002		30SEP09
1.1.1.3.04.01.05	Complete Deactivation of LLW Interim Storage Fac	DOE-RL T34-10-004		30SEP10
1.1.1.3.04.01.05	Initiate Hot Ops of the LLW Disposal Facility	DOE-RL T34-10-005	01OCT09	
1.1.1.3.04.01.05	Complete Ops Preps of the LLW Disposal Facility	DOE-RL T34-23-001		12APR23
1.1.1.3.04.01.05	Complete Long-Term Monitoring of LLW Disp Fac	DOE-RL T34-33-001		01SEP33
1.1.1.3.04.01.01	Submit Final ADS to RL	DOE-RL T34-96-008		31MAY96
1.1.1.3.04.01.01	Submit Draft MYPP to RL	DOE-RL T34-96-009		30AUG96
1.1.1.3.04.01.01	Submit Final MYPP to RL for Approval	DOE-RL T34-96-010		26SEP96
1.1.1.3.04.01.03	Issue Interim Performance Assessment for Review	DOE-RL T34-96-016		30SEP96

A15-1

WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

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1.1.1.3.04.01 Low Level Waste Disposal

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.3.04.01.07	Complete Design/Fab of Rem Pump Rem Equip	DOE-RL T34-96-022		29MAR96
1.1.1.3.04.01.02	Issue LLW Interim Storage Engineering Evaluation	DOE-RL T34-96-032		30SEP96
1.1.1.3.04.01.07	Issue GPF Closure/Shutdown Strategy	DOE-RL T34-96-037		29MAR96
1.1.1.3.04.01.02	Iss Revised LLW Product Acc Strategy-Draft RFP	DOE-RL T34-96-046		15FEB96
1.1.1.3.04.01.01	Submit Final ADS to RL	DOE-RL T34-97-007		30MAY97
1.1.1.3.04.01.01	Submit Draft MYPP to RL	DOE-RL T34-97-008		29AUG97
1.1.1.3.04.01.01	Submit Final MYPP to RL for Approval	DOE-RL T34-97-009		26SEP97
1.1.1.3.04.01.03	Statement of Work for FY 1998-FY 2003 Prog Off	DOE-RL T34-97-015		13JUN97
1.1.1.3.04.01.02	Issue LLW Disposal DRD, Rev 0	DOE-RL T34-97-018		29AUG97
1.1.1.3.04.01.02	Issue DRD for LLW Interim Stor Fac	DOE-RL T34-97-021		31MAR97
1.1.1.3.04.01.07	Turnover Grout Facilities for D&D	DOE-RL T34-97-022		30SEP97
1.1.1.3.04.01.01	Submit Final ADS to RL	DOE-RL T34-98-009		29MAY98
1.1.1.3.04.01.01	Submit Draft MYPP to RL	DOE-RL T34-98-010		31AUG98
1.1.1.3.04.01.01	Submit Final MYPP to RL for Approval	DOE-RL T34-98-011		25SEP98

A15-2

WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

PAGE NO. 48

1.1.1.3.04.01 Low Level Waste Disposal

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.3.04.01.07	Complete AP-102 Mixer Pump Rem - Tank/Tran Bur	DOE-RL T34-98-017		29MAY98
1.1.1.3.04.01.07	Comp Transfer Tank AP-102 Contents to Alt Tank	DOE-RL T34-98-018		30SEP98
1.1.1.3.04.01.03	Statement of Work for FY 1999-FY 2004 Prog Off	DOE-RL T34-98-021		15JUN98
1.1.1.3.04.01.02	Issue LLW Disposal DRD, Rev 1	DOE-RL T34-98-023		30SEP98
1.1.1.3.04.01.07	Transfer Tank AP-102 to Privatization	DOE-RL T34-99-003		30SEP99
1.1.1.3.04.01.02	Issue LLW Disposal DRD, Rev. 2	DOE-RL T34-99-010		30SEP99
1.1.1.3.04.01.02	Transmit to RL the NRC Waste Classification Doc	DOE-HQ T3B-96-401		30NOV95

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Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T34-96-008

Revision/CIN: 0

WBS Number 1.01.01.03.04.01.0001.0001

Due Date: 5/31/96

ADS No: 1250

Title: SUBMIT FINAL ADS TO RL

Schedule ID: S1W01015A

Scheduler: VL Armstrong

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
TWRS
Integration

Description of this Commitment:

The ADS for this sub-project will be prepared in final form for submittal to RL and then forwarded as the sub-project budget request to Congress. The final ADS will describe the scope of the sub-project and the various budget scenarios along with impact based on less than planning amount. This submittal will have incorporated RL comments along with those received from other stakeholders and DOE-HQ.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T34-96-009
WBS Number 1.01.01.03.04.01.0001.0001

Revision/CIN: 0
Due Date: 8/30/96
ADS No: 1250

Title: SUBMIT DRAFT MYPP TO RL

Schedule ID: S1W01020A
Scheduler: VL Armstrong

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
TWRS
Integration

Description of this Commitment:

This milestone will be preparation of the MYPP baseline documentation. The baseline will include resource loaded schedules, supporting documentation such as WBS Dictionary Sheets, Activity Planning Forms, Estimating Work Sheets, and Milestone Description Sheets. This milestone will be completed upon preliminary review and with RL Waste Disposal staff working with members of the sub-project staff to reach an understanding and receive preliminary comments form RL.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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REV. 1

Milestone Control No T34-96-010
WBS Number 1.01.01.03.04.01.0001.0001

Revision/CIN: 0
Due Date: 9/26/96
ADS No: 1250
Schedule ID: S1W01025A

Title: 'SUBMIT FINAL MYPP TO RL FOR
APPROVAL

Scheduler: VL Armstrong

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
TWRS
Integration

Description of this Commitment:

This milestone will be preparation of the MYPP baseline documentation. The baseline will include resource loaded schedules, supporting documentation such WBS Dictionary Sheets, Activity Planning Forms, Estimating Work Sheets, and Milestone Description Sheets. This milestone will be completed upon resolution of comments from RL and other stakeholders and the resubmittal of the plan as part of the TWRS MYPP.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
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Milestone Control No T34-96-016

Revision/CIN: 0

WBS Number 1.01.01.03.04.01.0003.0001

Due Date: 9/30/96

ADS No: 1250-1

Title: ISSUE INTERIM PERFORMANCE
ASSESSMENT

Schedule ID: S1W03000E

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

- ☐ TPA
- ☐ DOE-HQ
- ☐ DOE-FO
- ☒ DOE-RL
- ☐ Contractor

- ☒ Report
- ☐ Letter
- ☐ Drawing
- ☐ Other (Specify)

- ☐ DOE-HQ
- ☒ DOE-RL
- ☐ Other (Specify)

Description of this Commitment:

Prepare (for internal review) the Hanford LLW Interim PA as a letter report to the Project Office. The contents, format, computer codes and date to be used in the preparation of this report are defined in "Data Packages for the Interim Performance Assessment," WHC-SD-WM-RPT-166. The interim PA is more fully described in Activity 2 in the SOW, WHC-SD-WM-PAP-062, Rev. 1

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

Project Office accepts the report as being ready for internal review.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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REV. 1

Milestone Control No T34-96-022
WBS Number 1.01.01.03.04.01.0007

Revision/CIN: 0
Due Date: 3/29/96
ADS No: 1250-1
Schedule ID: S1W07000A

Title: COMPLETE DESIGN/FAB OF
REMAINING PUMP REMOVAL EQPT

Scheduler: VL Armstrong

Milestone Level:	Deliverables	Addressed To:
☐ TPA	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☐ Letter	☐ DOE-RL
☐ DOE-FO	☐ Drawing	☒ Other (Specify)
☒ DOE-RL	☒ Other (Specify)	Storage and
☐ Contractor	AP-102 pump removal	Disposal Project

Description of this Commitment:

As-built drawing of pump pit interior and complete fabrication of in-tank mixer pump removal equipment.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

Completion and WHC approval of design drawings.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
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REV. 1

Milestone Control No T34-96-032

Revision/CIN: 0

WBS Number 1.01.01.03.04.01.0002.0005

Due Date: 9/30/96

ADS No: 1250-1

Title: ISSUE LLW INTERIM STORAGE
ENGINEERING EVALUATION

Schedule ID: S1W02070E

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Develop, prepare, review and issue an engineering study that evaluates options for the safe interim storage and handling of packaged immobilized LLW and other secondary LLW streams.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

This milestone is complete when the completed report is approved by WHC and issued to RL for information as a cleared document.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1

Milestone Control No T34-96-037

Revision/CIN: 0

WBS Number 1.01.01.03.04.01.0007.0002

Due Date: 3/29/96

ADS No: 1250-1

Title: DEVELOP GROUT PROCESSING
FACILITIES CLOSURE/SHUTDOWN
STRATEGY

Schedule ID: S1W07025A

Scheduler: VL Armstrong

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Develop a strategy on how GPF will be shutdown. A letter will be written to RL with this strategy attached for approval. The strategy will be WHC-approved by the Subproject manager.

Description of what Constitutes Completion of the Commitment:

Letter issued by Subproject manager.

Acceptance Criteria:

Strategy letter/document on GPF closure/shutdown.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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REV. 1

Milestone Control No T34-96-046
WBS Number 1.01.01.03.04.01.0002.0002

Revision/CIN: 0
Due Date: 2/15/96
ADS No: 1250-1

Title: PRELIMINARY LLW PRODUCT
ACCEPTANCE STRATEGY

Schedule ID: S1W02045A

Scheduler: VL Armstrong

Milestone Level:	Deliverables	Addressed To:
☐ TPA	☒ Report	☐ DOE-HQ
☐ DOE-HQ	☐ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☒ DOE-RL	☐ Other (Specify)	
☐ Contractor		

Description of this Commitment:

A preliminary product acceptance strategy document for the LLW immobilization product will be prepared based on the draft privatization Request for Proposal to be issued in November 1995. That RFP is expected to contain specifications for the immobilized LLW product and minimum activities expected of the vendor in order to demonstrate compliance with the specifications. The product acceptance strategy will identify the activities to be conducted and decisions to be made by the DOE and its management and integration contractor in order to inspect/test, accept and take custody of the immobilized LLW product. The preliminary product acceptance strategy will be based on the draft RFP and any available vendor comments on the RFP.

(Note: the product acceptance strategy will be updated in FY 1997 based on contract negotiations and any revisions to the product acceptance specifications.)

Description of what Constitutes Completion of the Commitment:

Document and transmittal letter sent to RL for information.

Acceptance Criteria:

Strategy document reviewed and accepted by the Storage and Disposal Project.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T34-97-007
WBS Number 1.01.01.03.04.01.0001.0001

Revision/CIN: 0
Due Date: 5/30/97
ADS No: 1250
Schedule ID: S1W01045A
Scheduler: VL Armstrong

Title: SUBMIT FINAL ADS TO RL

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Document

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
TWRS
Integration

Description of this Commitment:

The ADS for this sub-project will be prepared in final form for submittal to RL and then forwarded as the sub-project budget request to Congress. The final ADS will describe the scope of the sub-project and the various budget scenarios along with impact based on less-than-planning amount. This submittal will have incorporated RL comments along with those received from other stakeholders and DOE-HQ.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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REV. 1

Milestone Control No T34-97-008
WBS Number 1.01.01.03.04.01.0001.0001

Revision/CIN: 0
Due Date: 8/29/97
ADS No: 1250-1
Schedule ID: S1W01050A
Scheduler: VL Armstrong

Title: SUBMIT DRAFT MYPP TO RL

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Document

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
TWRS
Integration

Description of this Commitment:

This milestone will be preparation of the MYPP baseline documentation. The baseline will include resource loaded schedules, supporting documentation such as WBS Dictionary Sheets, Activity Planning Forms, Estimating Worksheets, and Milestone Description Sheets. This milestone will be completed upon preliminary review and with RL Waste Disposal staff working with members of the sub-project staff to reach an understanding and receive preliminary comments from RL.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
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REV. 1

Milestone Control No T34-97-009
WBS Number 1.01.01.03.04.01.0001.0001

Revision/CIN: 0
Due Date: 9/26/97
ADS No: 1250-1
Schedule ID: S1W01055A

Title: SUBMIT FINAL MYPP TO RL FOR
APPROVAL

Scheduler: VL Armstrong

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Document

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
TWRS
Integration

Description of this Commitment:

This milestone will be preparation of the MYPP baseline documentation. The baseline will include resource loaded schedules, supporting documentation such as WBS Dictionary Sheets, Activity Planning Forms, Estimating Worksheets, and Milestone Description Sheets. This milestone will be completed upon resolution of comments from RL and other stakeholders and the resubmittal of the plan as part of the TWRS MYPP.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T34-97-015

Revision/CIN: 0

WBS Number 1.01.01.03.04.01.0003.0004

Due Date: 6/13/97

ADS No: 1250-1

Title: STATEMENT OF WORK FOR FY 1998
TO 2003

Schedule ID: S1W03010A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA

☒ Report

☐ DOE-HQ

☐ DOE-HQ

☐ Letter

☒ DOE-RL

☐ DOE-FO

☐ Drawing

☐ Other (Specify)

☒ DOE-RL

☐ Other (Specify)

☐ Contractor

Description of this Commitment:

Prepare SOWs for FY 1998 to 2003 for the Hanford Low-Level Tank Waste PA Project. This document will be an update to the SOW, WHC-SD-WM-PAP-062, Rev. 1.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

Project Office accepts the report.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T34-97-018
WBS Number 1.01.01.03.04.01.0002.0006

Revision/CIN: 0
Due Date: 8/29/97
ADS No: 1250-1
Schedule ID: S1W02090A

Title: ISSUE REV. 0 OF DRD FOR LLW
DISPOSAL FACILITIES

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Disposition RL review comments on DRD submitted per milestone T34-97-017, obtain RL approval, and issue DRD as Rev. 0.

Description of what Constitutes Completion of the Commitment:

This milestone is complete when RL approves the DRD, Rev. 0.

Acceptance Criteria:

RL-approved DRD and transmittal letter to RL.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System**

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Milestone Description Sheet

**WHC-SP-1101
REV. 1**

Milestone Control No T34-97-021

Revision/CIN: 0

WBS Number 1.01.01.03.04.01.0002.0005

Due Date: 3/31/97

ADS No: 1250-1

Title: ISSUE DRD FOR LLW INTERIM
STORAGE FACILITIES

Schedule ID: S1W02075A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Prepare, review, incorporate comments and transmit WHC-approved DRD for LLW Interim Storage Facilities to RL for approval.

Description of what Constitutes Completion of the Commitment:

This milestone is complete when the WHC-approved DRD is transmitted to RL for approval.

Acceptance Criteria:

DRD and transmittal letter to RL.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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REV. 1

Milestone Control No T34-97-022

Revision/CIN: 0

WBS Number 1.01.01.03.04.01.0007

Due Date: 9/30/97

ADS No: 1250-1

Title: TURN OVER GROUT FACILITIES FOR
D&D

Schedule ID: S1W07020A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

- ☐ TPA
- ☐ DOE-HQ
- ☐ DOE-FO
- ☒ DOE-RL
- ☐ Contractor

- ☐ Report
- ☐ Letter
- ☐ Drawing
- ☒ Other (Specify)
Turnover Grout
Fac. for D&D

- ☐ DOE-HQ
- ☐ DOE-RL
- ☒ Other (Specify)
Storage and
Disposal Project

Description of this Commitment:

The Grout Facility Standby Plan will be revised to close-out standby requirements and the Grout Facilities will meet the criteria to be turned over for decommissioning.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

See above.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
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Milestone Control No T34-98-009
WBS Number 1.01.01.03.04.01.0001.0001

Revision/CIN: 0
Due Date: 5/29/98
ADS No: 1250-1
Schedule ID: S1W01075A
Scheduler: VL Armstrong

Title: SUBMIT FINAL ADS TO RL

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Document

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
TWRS
Integration

Description of this Commitment:

The ADS for this sub-project will be prepared in final form for submittal to RL and then forwarded as the sub-project budget request to Congress. The final ADS will describe the scope of the sub-project and the various budget scenarios along with impact based on less-than-planning amount. This submittal will have incorporated RL comments along with those received from other stakeholders and DOE-HQ.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
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WHC-SP-1101
REV. 1

Milestone Control No T34-98-010

Revision/CIN: 0

WBS Number 1.01.01.03.04.01.0001.0001

Due Date: 8/31/98

ADS No: 1250-1

Title: SUBMIT DRAFT MYPP TO RL

Schedule ID: S1W01080A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☐ Letter

☐ DOE-RL

☐ DOE-FO

☐ Drawing

☒ Other (Specify)

☒ DOE-RL

☒ Other (Specify)

TWRS

☐ Contractor

Document

Integration

Description of this Commitment:

This milestone will be preparation of the MYPP baseline documentation. The baseline will include resource loaded schedules and supporting documentation such as WBS Dictionary Sheets, Activity Planning Forms, Estimating Worksheets, and Milestone Description Sheets. This milestone will be completed upon preliminary review and with RL Waste Disposal staff working with members of the sub-project staff to reach an understanding and receive preliminary comments form RL.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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WHC-SP-1101
REV. 1

Milestone Control No T34-98-011

Revision/CIN: 0

WBS Number 1.01.01.03.04.01.0001.0001

Due Date: 9/25/98

ADS No: 1250-1

Title: SUBMIT FINAL MYPP TO RL FOR
APPROVAL

Schedule ID: S1W01085A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☐ Letter

☐ DOE-RL

☐ DOE-FO

☐ Drawing

☒ Other (Specify)

☒ DOE-RL

☒ Other (Specify)

TWRS Integration

☐ Contractor

Document

Description of this Commitment:

This milestone will be preparation of the MYPP baseline documentation. The baseline will include resource loaded schedules and supporting documentation such as WBS Dictionary Sheets, Activity Planning forms, Estimating Worksheets, and Milestone Description Sheets. This milestone will be completed upon resolution of comments from RL and other stakeholders and the resubmittal of the plan as part of the TWRS MYPP.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T34-98-017
WBS Number 1.01.01.03.04.01.0007

Revision/CIN: 0
Due Date: 5/29/98
ADS No: 1250-1

Title: COMPLETE AP-102 MIXER PUMP
REMOVAL AND DISPOSAL

Schedule ID: S1W07005A

Scheduler: VL Armstrong

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Mixer pump
disposed of

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
Storage and
Disposal Project

Description of this Commitment:

Failed AP-102 mixer pump removed and disposed of in direct burial container.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

See above.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T34-98-018
WBS Number 1.01.01.03.04.01.0007

Revision/CIN: 0
Due Date: 9/30/98
ADS No: 1250-1
Schedule ID: S1W07010A

Title: COMPLETE TRANSFER TANK AP-102
CONTENTS TO ALTERNATE TANK

Scheduler: VL Armstrong

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Tank ready for
vendor

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
Storage and
Disposal Project

Description of this Commitment:

Transfer contents of tank AP-102 to an alternate tank to prepare tank for turnover to privatization vendor.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

Tank contents dispositioned in accordance with agreed upon plans based on Phase I privatization contract agreements.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T34-98-021

Revision/CIN: 0

WBS Number 1.01.01.03.04.01.0003.0004

Due Date: 6/15/98

ADS No: 1250-1

Title: STATEMENT OF WORK FOR FY 1999
TO 2004

Schedule ID: S1W03015A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA

☒ Report

☐ DOE-HQ

☐ DOE-HQ

☐ Letter

☒ DOE-RL

☐ DOE-FO

☐ Drawing

☐ Other (Specify)

☒ DOE-RL

☐ Other (Specify)

☐ Contractor

Description of this Commitment:

Prepare SOWs for FY 1999 to 2004 for the Hanford low-level tank waste PA project. This document will be an update to the SOW, WHC-SD-WM-PAP-062, Rev. 1.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

Project Office accepts the report.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T34-98-023
WBS Number 1.01.01.03.04.01.0002.0006

Revision/CIN: 0
Due Date: 9/30/98
ADS No: 1250-1
Schedule ID: S1W02095A

Title: ISSE REV. 1 OF DRD FOR LLW
DISPOSAL FACILITIES

Scheduler: VL Armstrong

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Update LLW Disposal Facility DRD as needed, review, disposition comments, obtain RL approval and issue DRD as Rev. 1.

Description of what Constitutes Completion of the Commitment:

This milestone is complete when RL approves Rev. 1 of the DRD.

Acceptance Criteria:

Rev. 1 of the RL approved DRD and transmitted letter to RL.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T34-99-003
WBS Number 1.01.01.03.04.01.0007

Revision/CIN: 0
Due Date: 9/30/99
ADS No: 1250-1
Schedule ID: S1W07015A

Title: COMPLETE TRANSFER OF TANK AP-102 TO PRIVATIZATION CONTRACTOR

Scheduler: VL Armstrong

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Documentation
complete to

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
Storage and
Disposal Project

Description of this Commitment:

Complete required documentation for the transfer of tank AP-102 to a privatization contractor.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

Complete documentation required for the transfer of tank AP-102 to a privatization contractor.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T34-99-010
WBS Number 1.01.01.03.04.01.0002.0006

Revision/CIN: 0
Due Date: 9/30/99
ADS No: 1250-1
Schedule ID: S1W02100A

Title: ISSUE REV. 2 OF DRD FOR LLW
DISPOSAL FACILITIES

Scheduler: VL Armstrong

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Update LLW Disposal Facility DRD as needed, review, disposition comments, obtain RL approval and issue DRD as Rev. 2.

Description of what Constitutes Completion of the Commitment:

This milestone is complete when RL approves Rev. 2 of the DRD.

Acceptance Criteria:

Rev. 2 of the RL approved DRD and transmitted letter to RL.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T34-00-002

Revision/CIN: 0

WBS Number 1.01.01.03.04.01.0004.0003

Due Date: 10/1/99

ADS No: 1250

Title: KEY DECISION 1 AND 2, INITIATE
DESIGN OF LLW INTERIM STORAGE
FACILITY

Schedule ID: S1W04009A

Scheduler: VL ARMSTRO

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC

Description of this Commitment:

A CDR will be prepared by an A-E firm. The CDR will meet the requirements of RLIP 4700.1A, "Project Management System." The CDR will be approved by WHC and RL and provide a basis for RL management decision to commence preliminary and detail design.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

In addition to the CDR, a WHC-revised project baseline with a request for directive authorization to spend capital funds will be submitted to RL for approval.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Date Milestone Was Completed

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T34-00-003

Revision/CIN: 0

WBS Number 1.01.01.03.04.01.0004.0003

Due Date: 6/1/2000

ADS No: 1250-1

Title: KEY DECISION 3, INITIATE
CONSTRUCTION OF THE LOW-LEVEL
WASTE INTERIM STORAGE FACILITY

Schedule ID: S1W04019A

Scheduler: VL ARMSTRO

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC

Description of this Commitment:

Activities leading to initiation of construction include completion of the following: conceptual design and initiation of definitive design; preliminary Safety Analysis Report; applicable environmental documentation and; required project management documentation per DOE Order 4700.1.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

Preparation of project documentation (e.g., dated project plan) for DOE Acquisition Executive approval of key decision 3. Initiate construction is defined as start of site preparation.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
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REV. 1

Milestone Control No T34-02-010

Revision/CIN: 0

WBS Number 1.01.01.03.04.01.0005.0002

Due Date: 4/1/2002

ADS No: 1250-1

Title: INITIATE OPERATIONS
PREPARATIONS FOR THE LLW
INTERIM STORAGE FACILITY

Schedule ID: S1W05004A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Complete operations activities necessary to achieve hot operations of the LLW Interim Storage Facility including procedure preparation, training preparations, personnel training and qualification, operations and maintenance planning, materials and spare parts procurement and operational readiness assessment. Complete pre-operational testing of LLW Interim Storage Facility systems to demonstrate that the systems are ready for full operation in support of Phase I production.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

Approval of pre-operational test results by LLW Interim Storage Facility Operations manager. Approval of operational readiness assessment results by cognizant RL manager.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T34-02-011

Revision/CIN: 0

WBS Number 1.01.01.03.04.01.0004.0003

Due Date: 10/1/2001

ADS No: 1250-1

Title: KEY DECISION 1 AND 2, INITIATE
PRELIMINARY DESIGN OF LLW
DISPOSAL FACILITY

Schedule ID: S1W04039A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC

Description of this Commitment:

A CDR will be prepared by an A/E firm. The CDR will meet the requirements of RLIP 4700.1A, "Project Management System." The CDR will be approved by WHC and RL and provide a basis for RL management decision to commence preliminary and detail design.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

In addition to the CDR, a WHC-revised project baseline with a request for directive authorization to spend capital funds will be submitted to RL for approval.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T34-05-005
WBS Number 1.01.01.03.04.01.0004.0003

Revision/CIN: 0
Due Date: 10/1/2004
ADS No: 1250-1
Schedule ID: S1W04049A

Title: KEY DECISION 3, INITIATE
CONSTRUCTION OF THE LLW
DISPOSAL FACILITY

Scheduler: VL Armstrong

Milestone Level:	Deliverables	Addressed To:
☐ TPA	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☒ Letter	☐ DOE-RL
☐ DOE-FO	☐ Drawing	☒ Other (Specify)
☒ DOE-RL	☐ Other (Specify)	WHC
☐ Contractor		

Description of this Commitment:

Activities leading to initiation of construction include completion of the following: conceptual design and initiation of definitive design; preliminary SAR; applicable environmental documentation; and require project management documentation per DOE Order 4700.1.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

Preparation of project documentation (e.g., date project plan) for DOE Acquisition Executive approval of key decision 3. Initiate construction is defined as start of site preparation.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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WHC-SP-1101
REV. 1

Milestone Control No T34-09-002

Revision/CIN: 0

WBS Number 1.01.01.03.04.01.0005.0002

Due Date: 9/30/2009

ADS No: 1250-1

Title: COMPLETE PRODUCTION OPNS FOR
THE LLW INTERIM STORAGE FACILITY

Schedule ID: S1W05005A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Perform activities necessary for successful operations of the LLW Interim Storage Facility systems during LLW production including system operations, system preventative and corrective maintenance, production and maintenance planning, materials and spare parts procurement, continuing training, Safety and QA support, engineering support, management support, and planning, scheduling and budgeting support.

Description of what Constitutes Completion of the Commitment:

Compliance with the government's contractual obligations to the LLW Immobilization Facility owner.

Acceptance Criteria:

Receipt and storage and LLW from the LLW Immobilization Facility in accordance with the government's contractual obligations.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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REV. 1

Milestone Control No T34-10-004

Revision/CIN: 0

WBS Number 1.01.01.03.04.01.0005.0003

Due Date: 9/30/2010

ADS No: 1250-1

Title: COMPLETE DEACTIVATION OF THE
LLW INTERIM STORAGE FACILITY

Schedule ID: S1W05020A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Perform activities required to deactivate the facility. These include removal of process materials, removal of hazardous materials, complete housekeeping cleanout, and establishing a minimum systems condition.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

Completion of activities specified in the approved deactivation plan.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
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WHC-SP-1101
REV. 1

Milestone Control No T34-10-005

Revision/CIN: 0

WBS Number 1.01.01.03.04.01.0005.0003

Due Date: 10/1/2009

ADS No: 1250-1

Title: INITIATE HOT OPERATIONS OF LLW
DISPOSAL FACILITY

Schedule ID: S1W05029A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Complete operation activities necessary to achieve hot operations of the LLW Disposal Facility including procedure preparation, training preparations, personnel training and qualification, operations and maintenance planning, materials and spare parts procurement and operational readiness assessment. Complete pre-operational testing of the LLW Disposal Facility systems to demonstrate that the systems are ready for full operation in support of LLW production.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

Approval of pre-operational test results by LLW Disposal Facility Operations manager. Approval of operational readiness assessment results by cognizant RL manager.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
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REV. 1

Milestone Control No T34-23-001

Revision/CIN: 0

WBS Number 1.01.01.03.04.01.0005.0003

Due Date: 4/12/2023

ADS No: 1250-1

Title: COMPLETE PRODUCTION
OPERATIONS FOR THE LLW DISPOSAL
FACILITIES

Schedule ID: S1W05030A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

- ☐ TPA
- ☐ DOE-HQ
- ☐ DOE-FO
- ☒ DOE-RL
- ☐ Contractor

- ☐ Report
- ☒ Letter
- ☐ Drawing
- ☐ Other (Specify)

- ☐ DOE-HQ
- ☒ DOE-RL
- ☐ Other (Specify)

Description of this Commitment:

Perform activities necessary for successful operations of the LLW Disposal Facility systems during LLW production including system operations, system preventative and corrective maintenance, production and maintenance planning, materials and spare parts procurement, continuing training, Safety and QA support, engineering support, management support, and planning, scheduling and budgeting support.

Description of what Constitutes Completion of the Commitment:

Completion with the government's contractual obligations to the LLW Immobilization Facility owner.

Acceptance Criteria:

Receipt and disposal of LLW from the LLW Immobilization Facility in accordance with the government's contractual obligations.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T34-33-001

Revision/CIN: 0

WBS Number 1.01.01.03.04.01.0005.0004

Due Date: 9/1/2033

ADS No: 1250-1

Title: COMPLETE LONG-TERM MONITORING
OF LLW DISPOSAL FACILITIES

Schedule ID: S1W05035A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☒ Letter

☒ DOE-RL

☐ DOE-FO

☐ Drawing

☐ Other (Specify)

☒ DOE-RL

☐ Other (Specify)

☐ Contractor

Description of this Commitment:

Perform activities necessary for successful long-term monitoring of the LLW Disposal Facility. Activities include monitoring system operations, system preventative and corrective maintenance and maintaining required documentation.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

Compliance with the long-term monitoring plan.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System

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Rev. 0

Milestone Description Sheet

WHC-SP-1101

Milestone Control No T3B-96-401

Revision/CIN: 0 TWR-95-003 REV. 1

WBS Number 1.01.01.03.02.04

Due Date: 11/30/95

ADS No: 1230

Title: SUBMIT DATA PACKAGE TO RL FOR
LLW CLASSIFICATION BY THE NRC
(4.2.3.C)

Schedule ID: L496MS01

Scheduler:

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☒ DOE-HQ
☐ DOE-FO
☐ DOE-RL
☐ Contractor

☐ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☐ DOE-RL
☐ Other (Specify)

Description of this Commitment:

THIS TASK WILL INVOLVE THE PREPARATION OF A DATA PACKAGE SUBMITTED TO RL FOR SUBSEQUENT TRANSMITTAL TO THE NRC TO OBTAIN NRC CONCURRENCE THAT, LIKE THE DST WASTE, THE PRETREATED FRACTION OF THE SST WASTE IS NOT CLASSIFIED AS HLW AND THEREFORE, CAN BE DISPOSED OF AT HANFORD (SYSTEMS ENGINEERING TASK 4.2.3.C)

Description of what Constitutes Completion of the Commitment:

DATA PACKAGE SUITABLE FOR SUBSEQUENT RL SUBMITTAL TO DOE-HQ/NRC

Acceptance Criteria:

THIS MILESTONE IS COMPLETE WHEN THE DATA PACKAGE, INCLUDING COMPARISONS WITH 10 CFR 61 CLASS C LIMIT AND TECHNOLOGY/COST CONSIDERATIONS FOR ADDITIONAL RADIONUCLIDE REMOVAL, IS TRANSMITTED BY WHC TO RL

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

PAGE NO. 49

1.1.1.3.04.02 Interim Storage

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.3.04.02.04	Comp Prep for Ops of HLW Interim Storage Fac	DOE-RL T34-01-009		01JUN01
1.1.1.3.04.02.03	KD 3 - Initiate Const. - HLW Interim Storage	DOE-RL T34-01-012		30APR01
1.1.1.3.04.02.04	Initiate Hot Ops of the HLW Interim Storage Fac	DOE-RL T34-01-013	04JUN01	
1.1.1.3.04.02.03	KD 4 - HLW Interim Facility	DOE-RL T34-03-001		30JAN03
1.1.1.3.04.02.04	Complete Hot Ops - HLW Interim Storage Facility	DOE-RL T34-30-001		20AUG30
1.1.1.3.04.02.04	Complete Shipping of Canisters to Repository	DOE-RL T34-42-001		14OCT42
1.1.1.3.04.02.04	Complete Post Prod Ops - HLW Int. Storage	DOE-RL T34-42-002		14OCT42
1.1.1.3.04.02.04	Complete Deactivation - HLW Interim Storage	DOE-RL T34-43-001		14OCT43
1.1.1.3.04.02.02	Issue Approved Strat.Doc. - Ph. I HLW Int. Stor.	DOE-RL T34-96-001		30APR96
1.1.1.3.04.02.02	Issue DRD Document - Phase I - HLW	DOE-RL T34-96-002		30SEP96
1.1.1.3.04.02.01	Submit Draft ADS to RL	DOE-RL T34-96-003		29FEB96
1.1.1.3.04.02.01	Submit Final ADS to RL	DOE-RL T34-96-004		31MAY96
1.1.1.3.04.02.01	Submit Draft MYPP to RL	DOE-RL T34-96-005		30AUG96
1.1.1.3.04.02.01	Submit Final MYPP to RL for Approval	DOE-RL T34-96-006		26SEP96

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WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

PAGE NO. 50

1.1.1.3.04.02 Interim Storage

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.3.04.02.01	Submit Final ADS to RL	DOE-RL T34-97-003		30MAY97
1.1.1.3.04.02.01	Submit Draft MYPP to RL	DOE-RL T34-97-004		29AUG97
1.1.1.3.04.02.01	Submit Final MYPP to RL for Approval	DOE-RL T34-97-005		26SEP97
1.1.1.3.04.02.03	Initiate Conceptual Design - HLW Interim Storage	DOE-RL T34-97-025	01OCT96	
1.1.1.3.04.02.03	Comp Conceptual Design - HLW Interim Storage	DOE-RL T34-98-003		30JAN98
1.1.1.3.04.02.01	Submit Final ADS to RL	DOE-RL T34-98-005		29MAY98
1.1.1.3.04.02.01	Submit Draft MYPP to RL	DOE-RL T34-98-006		31AUG98
1.1.1.3.04.02.01	Submit Final MYPP to RL for Approval	DOE-RL T34-98-007		25SEP98
1.1.1.3.04.02.03	KD 1&2 - Initiate Design - HLW Interim Storage	DOE-RL T34-98-024		30SEP98

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**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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Rev. 0

WHC-SP-1101
REV. 1

Milestone Control No T34-96-001

Revision/CIN: 0

WBS Number 1.01.01.03.04.02.0002.0001

Due Date: 4/30/96

ADS No: 1250-2

Title: ISSUE STRATEGY DOCUMENT FOR
HLW INTERIM STORAGE - PHASE I

Schedule ID: S2W02020A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Prepare strategy recommendation and issue approved strategy document for Phase I for the HLW Interim Storage Facility.

Description of what Constitutes Completion of the Commitment:

The strategy will look at options for transportation, shipping casks, and interim storage to include existing facilities, Canister Storage Building or new facility. Based on cost, schedule and space availability, a strategy will be recommended for storage of the HLW from the vendor. The strategy will also look at other high-level streams such as cesium, TRU, strontium and technetium that may require interim storage and determine the best disposition.

Acceptance Criteria:

Complete interim storage facility requirements study, complete facility search, complete ROM cost estimate, issue draft strategy for review and incorporate comments.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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Rev. 0

WHC-SP-1101
REV. 1

Milestone Control No T34-96-002

Revision/CIN: 0

WBS Number 1.01.01.03.04.02.0002.0003

Due Date: 9/30/96

ADS No: 1250-1

Title: ISSUE DRD - PHASE I - HLW INTERIM
STORAGE FACILITY

Schedule ID: S2W02100A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Preparation of DRD based on engineering studies identification of facility requirements and ROM estimates.

Description of what Constitutes Completion of the Commitment:

The DRD will be based upon strategy document and will include necessary information for interim storage, transportation and secondary stream disposition.

Acceptance Criteria:

The DRD draft will be reviewed by RL and comments dispositioned based on privatization guidance as of 9/29/95.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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REV. 1

Milestone Control No T34-96-003
WBS Number 1.01.01.03.04.02.0001.0001

Revision/CIN: 0
Due Date: 2/29/96
ADS No: 1250-2

Title: SUBMIT DRAFT ADS TO RL

Schedule ID: S2W01005A
Scheduler: VL Armstrong

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Draft document

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
TWRS
Integration

Description of this Commitment:

The ADS for this sub-project will be prepared in draft form to address various budget scenarios. These scenarios will be, at a minimum, the planning case and target case for the budget year. Completion will be the submittal of this ADS to RL Waste Disposal Program staff for their review and comments.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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Title: SUBMIT FINAL ADS TO RL

Schedule ID: S2W01010A

**WHC-SP-1101
REV. 1**

Revision/CIN:

0

ADS No: 1250-2

WBS Number 1.01.01.03.04.02.0001.0001

Scheduler: VL Armstrong

Milestone Control No T34-96-004

Due Date: 5/31/96

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contracto

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Document

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
TWRS
Integration

Description of this Commitment:

The ADS for this sub-project will be prepared in final form for submittal to RL and then forwarded as the sub-project budget request to Congress. The final ADS will describe the scope of the sub-project and the various budget scenarios along with impact based on less-than-planning amount. This submittal will have incorporated RL comments along with those received from other stakeholders and DOE-HQ.

Description of what Constitutes Completion of the Commitment:

See above

Acceptance Criteria:

N/A

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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Rev. 0

WHC-SP-1101
REV. 1

Title: SUBMIT DRAFT MYPP TO RL

Schedule ID: S2W01015A

Revision/CIN:

0

ADS No: 1250-2

WBS Number 1.01.01.03.04.02.0001.0001

Scheduler: VL Armstrong

Milestone Control No T34-96-005

Due Date: 8/30/96

Milestone Level:

Deliverables

Addressed To:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☐ Letter

☐ DOE-RL

☐ DOE-FO

☐ Drawing

☒ Other (Specify)

☒ DOE-RL

☒ Other (Specify)

TWRS

☐ Contracto

Document

Integration

Description of this Commitment:

This milestone will be preparing the MYPP baseline documentation. The baseline will include resource loaded schedules and supporting documentation such as WBS Dictionary Sheets, Activity Planning Forms, Estimating Worksheets, and Milestone Description Sheets. This milestone will be completed upon preliminary review and with RL Waste Disposal staff working with members of the sub-project staff to reach an understanding and receive preliminary comments from RL.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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Title: SUBMIT FINAL MYPP TO RL FOR
APPROVAL

Schedule ID: S2W01020A

WHC-SP-1101
REV. 1

Revision/CIN:

0

ADS No: 1250-2

WBS Number 1.01.01.03.04.02.0001.0001

Scheduler: VL Armstrong

Milestone Control No T34-96-006

Due Date: 9/26/96

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contracto

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Document

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
TWRS
Integration

Description of this Commitment:

This milestone will be preparing the MYPP baseline documentation. The baseline will include resource loaded schedules and supporting documentation such as WBS Dictionary Sheets, Activity Planning Forms, Estimating Worksheets, and Milestone Description Sheets. This milestone will be completed upon resolution of comments from RL and other stakeholders and the resubmittal of the plan as part of the TWRS MYPP.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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Title: SUBMIT FINAL ADS TO RL

Schedule ID: S2W01040A

WHC-SP-1101
REV. 1

Revision/CIN:

0

ADS No: 1250-2

WBS Number 1.01.01.03.04.02.0001.0001

Scheduler: VL Armstrong

Milestone Control No T34-97-003

Due Date: 5/30/97

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contracto

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Document

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
TWRS
Integration

Description of this Commitment:

The ADS for this sub-project will be prepared in final form for submittal to RL and then forwarded as the sub-project budget request to Congress. The final ADS will describe the scope of the sub-project and the various budget sceanrios along with impact based on less-than-planning amount. This submittal will have incorporated RL comments along with those received from other stakeholders and DOE-HQ.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Title: SUBMIT DRAFT MYPP TO RL

Schedule ID: S2W01045a

Revision/CIN:

0

ADS No: 1250-2

WBS Number 1.01.01.03.04.02.0001.0001

Scheduler: VL Armstrong

Milestone Control No T34-97-004

Due Date: 8/29/97

Milestone Level:

Deliverables

Addressed To:

- ☐ TPA
- ☐ DOE-HQ
- ☐ DOE-FO
- ☒ DOE-RL
- ☐ Contracto

- ☐ Report
- ☐ Letter
- ☐ Drawing
- ☒ Other (Specify)
Document

- ☐ DOE-HQ
- ☐ DOE-RL
- ☒ Other (Specify)
TWRS
Integration

Description of this Commitment:

This milestone will be preparing the MYPP baseline documentation. The baseline will include resource loaded schedules and supporting documentation such as WBS Dictionary Sheets, Activity Planning Forms, Estimating Worksheets, and Milestone Description Sheets. This milestone will be completed upon preliminary review and with RL Waste Disposal staff working with members of the sub-project staff to reach an understanding and receive preliminary comments from RL.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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Title: SUBMIT FINAL MYPP TO RL FOR
APPROVAL

Schedule ID: S2W01050A

WHC-SP-1101
REV. 1

Revision/CIN:

0

ADS No: 1250-2

WBS Number 1.01.01.03.04.02.0001.0001

Scheduler: VL Armstrong

Milestone Control No T34-97-005

Due Date: 9/26/97

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contracto

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Document

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
TWRS
Integration

Description of this Commitment:

This milestone will be preparing the MYPP baseline documentation. The baseline will include resource loaded schedules and supporting documentation such as WBS Dictionary Sheets, Activity Planning Forms, Estimating Worksheets, and Milestone Description Sheets. This milestone will be completed upon resolution of comments from RL and other stakeholders and the resubmittal of the plan as part of the TWRS MYPP.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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Rev. 0

WHC-SP-1101
REV. 1

Milestone Control No T34-97-025
WBS Number 1.01.01.03.04.02.0004

Revision/CIN: 0
Due Date: 10/1/96
ADS No: 1250-2
Schedule ID: S2W03014A

Title: INITIATE PHASE I CONCEPTUAL
DESIGN - HLW INTERIM STORAGE
FACILITY

Scheduler: VL Armstrong

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Award of the A/E contract or drafting of kickoff meeting minutes.

Description of what Constitutes Completion of the Commitment:

SOW, bid award process finished, contractor selected and announced.

Acceptance Criteria:

Contract will be in place for the A/E and a letter to RL stating that conceptual design is started.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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Rev.0

WHC-SP-1101
REV. 1

Milestone Control No T34-98-003

Revision/CIN: 0

WBS Number 1.01.01.03.04.02.0003.0002

Due Date: 1/30/98

ADS No: 1250-2

Title: COMPLETE CONCEPTUAL DESIGN -
HLW INTERIM STORAGE

Schedule ID: S2W03015A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC

Description of this Commitment:

A-E services must be obtained and in place ready to work early in FY 1997 in order to complete the CDR needed for project validation in March 1998. It is anticipated that the HWVP Canister Storage Building design would be used as a reference for this design.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

CDR will be submitted by the A-E and approved by WHC by 3/31/98.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System**

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Milestone Description Sheet

WHC-SP-1101
REV. 1

Title: SUBMIT FINAL ADS TO RL

Schedule ID: S2W01070A

Revision/CIN:

0

ADS No: 1250-2

WBS Number 1.01.01.03.04.02.0001.0001

Scheduler: VL Armstrong

Milestone Control No T34-98-005

Due Date: 5/29/98

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contracto

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Document

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
TWRS
Integration

Description of this Commitment:

The ADS for this sub-project will be prepared in final form for submittal to RL and then forwarded as the sub-project budget request to Congress. The final ADS will describe the scope of the sub-project and the various budget scenarios along with impact based on less-than-planning amount. This submittal will have incorporated RL comments along with those received from other stakeholders and DOE-HQ.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

A16-14

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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Rev. 0

Title: SUBMIT DRAFT MYPP TO RL

Schedule ID: S2W01075A

WHC-SP-1101
REV. 1

Revision/CIN:

0

ADS No: 1250-2

WBS Number 1.01.01.03.04.02.0001.0001

Scheduler: VL Armstrong

Milestone Control No T34-98-006

Due Date: 8/31/98

Milestone Level:

Deliverables

Addressed To:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☐ Letter

☐ DOE-RL

☐ DOE-FO

☐ Drawing

☒ Other (Specify)

☒ DOE-RL

☒ Other (Specify)

TWRS

☐ Contracto

Document

Integration

Description of this Commitment:

This milestone will be preparing the MYPP baseline documentation. The baseline will include resource loaded schedules and supporting documents such as Dictionary Sheets, APFs, EWSs and MDSs. This milestone will be completed upon preliminary review and with RL Waste Disposal staff working with members of the sub-project staff to reach an understanding and receive preliminary comments from RL.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

A16-15

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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Rev. 0

WHC-SP-1101
REV. 1

Title: SUBMIT FINAL MYPP TO RL

Schedule ID: S2W01080A

Revision/CIN:

0

ADS No: 1250-2

WBS Number 1.01.01.03.04.02.0001.0001

Scheduler: VL Armstrong

Milestone Control No T34-98-007

Due Date: 9/25/98

Milestone Level:

Deliverables

Addressed To:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☐ Letter

☐ DOE-RL

☐ DOE-FO

☐ Drawing

☒ Other (Specify)

☒ DOE-RL

☒ Other (Specify)

TWRS

☐ Contracto

Document

Integration

Description of this Commitment:

This milestone will be preparing the MYPP baseline documentation. The baseline will include resource loaded schedules and supporting documents such as Dictionary Sheets, APFs, EWS, and MDSs. This milestone will be completed upon resolution of comments from RL and other stakeholders and the resubmittal of the plan as part of the TWRS MYPP.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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Rev.0

WHC-SP-1101
REV. 1

Milestone Control No T34-98-024

Revision/CIN: 0

WBS Number 1.01.01.03.04.02.0003.0001

Due Date: 9/30/98

ADS No: 1250-2

Title: KEY DECISION 1 & 2, INITIATE
DESIGN - HLW INTERIM STORAGE

Schedule ID: S2W03005A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☐ Letter
☒ Drawing
☐ Other (Specify)

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC

Description of this Commitment:

A CDR will be prepared by an A-E firm. The CDR will meet the requirements of RLIP 4700.1A, "Project Management System." The CDR will be approved by WHC and RL.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

In addition to the CDR, a WHC-revised project baseline with a request for directive authorization to spend capital funds will be submitted.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T34-01-009

Revision/CIN: 0

WBS Number 1.01.01.03.04.02.0004.0001

Due Date: 6/1/2001

ADS No: 1250-2

Title: COMPLETE OPERATIONS
PREPARATIONS FOR THE HLW
INTERIM STORAGE FACILITY

Schedule ID: S2W04000A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Complete operations activities necessary to achieve hot operations of the HLW Interim Storage Facility including procedure preparation, training preparations, personnel training and qualification, operations and maintenance planning, materials and spare parts procurement and operational readiness assessment. Complete pre-operational testing of HLW Interim Storage Facility systems to demonstrate that the systems are ready for full operation in support of Phase I production.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

Approval of pre-operational test results by HLW Interim Storage Facility Operations manager. Approval of operational readiness assessment results by appropriate manager

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T34-01-012
WBS Number 1.01.01.03.04.02.0003.0001

Revision/CIN: 0
Due Date: 4/30/2001
ADS No: 1250-2
Schedule ID: S2W03010A

Title: KEY DECISION 3 - INITIATE
CONSTRUCTION - HLW INTERIM
STORAGE

Scheduler: VL Armstrong

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC

Description of this Commitment:

Activities leading to initiation of construction include completion of the following: conceptual design and initiation of definitive design; preliminary Safety Analysis Report; applicable environmental documentation and; required project management documentation per DOE Order 4700.1.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

Preparation of project documentation (e.g., dated project plan) for DOE Acquisition Executive approval of key decision 3. Construction is defined as site preparation.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T34-01-013

Revision/CIN: 0

WBS Number 1.01.01.03.04.02.0004.0002

Due Date: 6/4/2001

ADS No: 1250-2

Title: INITIATE HOT OPERATIONS OF HLW
INTERIM PROCESSING FACILITY

Schedule ID: S2W04004A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☒ Letter

☒ DOE-RL

☐ DOE-FO

☐ Drawing

☐ Other (Specify)

☒ DOE-RL

☐ Other (Specify)

☐ Contractor

Description of this Commitment:

Complete operation activities necessary to achieve hot operations of the LLW Disposal Facility including procedure preparation, training preparations, personnel training and qualification, operations and maintenance planning, materials and spare parts procurement and operational readiness assessment. Complete pre-operational testing of the HLW Disposal Facility systems to demonstrate that the systems are ready for full operation in support of HLW production.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

Approval of pre-operational test results by HLW Interim Storage Facility owner. Approval of operational readiness assessment results by cognizant RL manager.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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REV. 1

Milestone Control No T34-03-001
WBS Number 1.01.01.03.04.02.0004

Revision/CIN: 0
Due Date: 1/30/2003
ADS No: 1250-2

Title: KEY DECISION 4 - HLW INTERIM
STORAGE

Schedule ID: S2W03010B

Scheduler: VL Armstrong

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Completion of construction of HLW Interim Storage Facility and completion of ORR for facilities.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

Successful completion of ORR including cold and hot operations demonstrations.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T34-30-001

Revision/CIN: 0

WBS Number 1.01.01.03.04.02.0004.0002

Due Date: 8/20/2030

ADS No: 1250-2

Title: COMPLETE PRODUCTION
OPERATIONS OF THE HLW INTERIM
FACILITY

Schedule ID: S2W04010A

Scheduler: VL Armstrong

Milestone Level:

- ☐ TPA
- ☐ DOE-HQ
- ☐ DOE-FO
- ☒ DOE-RL
- ☐ Contractor

Deliverables

- ☐ Report
- ☐ Letter
- ☐ Drawing
- ☒ Other (Specify)
Receipt of IHLW

Addressed To:

- ☐ DOE-HQ
- ☒ DOE-RL
- ☐ Other (Specify)

Description of this Commitment:

Perform activities necessary for successful operations of the HLW Interim Storage Facility systems during IHLW production including system operations, system preventative and corrective maintenance, production and maintenance planning, materials and spare parts procurement, continuing training, Safety and QA support, engineering support, management support, and planning, scheduling and budgeting support.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

Compliance with all government's contractual obligations to the HLW Immobilization Facility owner.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T34-42-001

Revision/CIN: 0

WBS Number 1.01.01.03.04.02.0004.0003

Due Date: ~~10/15/2041~~ 10/15/2042

ADS No: 1250-2

Title: COMPLETE SHIPPING CANISTERS TO
REPOSITORY

Schedule ID: S2W04020A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Ship HLW canisters to repository for final disposal. The shipment will be the responsibility of RW. The M&O will be responsible for loading of trucks and proper documentation.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

Final HLW canisters are shipped from interim storage allowing the facility to be prepared for D&D.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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Milestone Control No T34-42-002

Revision/CIN: 0

WHC-SP-1101
REV. 1

WBS Number 1.01.01.03.04.02.0004.0003

Due Date: ~~10/15/2041~~ 10/15/2042

ADS No: 1250-2

Title: COMPLETE POST PRODUCTION
OPERATIONS OF THE HLW INTERIM
FACILITY

Schedule ID: S2W04015A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Perform activities necessary for successful operations of the HLW Interim Storage Facility during post production operations. Activities include system operations, system preventative and corrective maintenance, production and maintenance planning, materials and spare parts procurement, continuing training, Safety and QA support, engineering support, management support and planning, scheduling and budgeting support. During the first phase of post production operations, the IHLW will be monitored in place. During the second phase, the IHLW will be shipped to the geologic repository.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

Maintaining the IHLW in a condition acceptable to the repository. Shipment of the IHLW as soon as the repository can accept it.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T34-43-001

Revision/CIN: 0

WBS Number 1.01.01.03.04.02.0004.0004

Due Date: ~~10/15/2042~~ 10/14/2043

ADS No: 1250-2

Title: COMPLETE DEACTIVATION OF THE
HLW INTERIM STORAGE FACILITY

Schedule ID: S2W04025A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Perform activities required to deactivate the facility. These include removal of process materials, removal of hazardous materials, complete housekeeping cleanout, and establishing a minimum systems condition.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

Completion of activities specified in the approved deactivation plan.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

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1.1.1.3.04.03 Cs & Sr Caps

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.3.04.03.02	Issue Final DRD and ICD	DOE-RL T34-00-008		31MAR00
1.1.1.3.04.03.04	Comp Prep for Ops of the Cs/Sr Cap Proc Fac	DOE-RL T34-11-002		30SEP11
1.1.1.3.04.03.03	Complete Startup - Cs/Sr Processing Facility	DOE-RL T34-11-004		30SEP11
1.1.1.3.04.03.04	Initiate Hot Ops of the Cs/Sr Capsule Proc Fac	DOE-RL T34-12-004	03OCT11	
1.1.1.3.04.03.04	Complete Prod. Ops. Cs/Sr Capsule Proc Fac.	DOE-RL T34-15-002		08OCT15
1.1.1.3.04.03.04	Comp Deactivation of Cs/Sr Capsule Proc Fac	DOE-RL T34-16-001		24OCT16
1.1.1.3.04.03.05	Complete Cs/Sr Capsule Processing Facility D&D	DOE-RL T34-18-001		19NOV18
1.1.1.3.04.03.01	Submit Final ADS to RL	DOE-RL T34-96-012		30MAY96
1.1.1.3.04.03.01	Submit Draft MYPP to RL	DOE-RL T34-96-013		29AUG96
1.1.1.3.04.03.01	Submit Final MYPP to RL for Approval	DOE-RL T34-96-014		25SEP96
1.1.1.3.04.03.01	Submit Final ADS to RL	DOE-RL T34-97-011		30MAY97
1.1.1.3.04.03.01	Submit Draft MYPP to RL	DOE-RL T34-97-012		29AUG97
1.1.1.3.04.03.01	Submit Final MYPP to RL for Approval	DOE-RL T34-97-013		26SEP97
1.1.1.3.04.03.01	Submit Final ADS to RL	DOE-RL T34-98-013		29MAY98

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WESTINGHOUSE HANFORD COMPANY
Controlled Milestones

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1.1.1.3.04.03 Cs & Sr Caps

WBS CODE	DESCRIPTION	MILESTONE #/TYPE	EARLY START	EARLY FINISH
1.1.1.3.04.03.01	Submit Draft MYPP to RL	DOE-RL T34-98-014		31AUG98
1.1.1.3.04.03.01	Submit Final MYPP to RL for Approval	DOE-RL T34-98-015		25SEP98

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Westinghouse Hanford Company
Tank Waste Remediation System
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Milestone Control No T34-96-012

Revision/CIN: 0

WHC-SP-1101

WBS Number 1.01.01.03.04.03.0001.0002

Due Date: 5/30/96

REV. 1

ADS No: 1250-3

Title: SUBMIT FINAL ADS TO RL

Schedule ID: S3W01010A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Document

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
TWRS
Integration

Description of this Commitment:

The ADS for this sub-project will be prepared in final form for submittal to RL and then forwarded as the sub-project budget request to Congress. The final ADS will describe the scope of the sub-project and the various budget scenarios along with impact based on less-than-planning amount. This submittal will have incorporated RL comments along with those received from other stakeholders and DOE-HQ.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Tank Waste Remediation System
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Milestone Control No T34-96-013
WBS Number 1.01.01.03.04.03.0001.0003

Revision/CIN: 0
Due Date: 8/29/96
ADS No: 1250-3

WHC-SP-1101
REV. 1

Title: SUBMIT DRAFT MYPP TO RL

Schedule ID: S3W01015A
Scheduler: VL Armstrong

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Document

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
TWRS
Integration

Description of this Commitment:

This milestone involves preparing the MYPP baseline documentation. The baseline will include resource loaded schedules and supporting documentation such as Dictionary Sheets, APFs, EWSSs, and MDSs. This milestone will be completed upon preliminary review and with RL Waste Disposal staff working with members of the sub-project staff to reach an understanding and receive preliminary comments from RL.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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WHC-SP-1101
REV. 1

Milestone Control No T34-96-014
WBS Number 1.01.01.03.04.03.0001.0004

Revision/CIN: 0
Due Date: 9/25/96
ADS No: 1250-3
Schedule ID: S3W01020A

Title: SUBMIT FINAL MYPP TO RL FOR
APPROVAL

Scheduler: VL Armstrong

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Document

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
TWRS
Integration

Description of this Commitment:

This milestone involves preparing the MYPP baseline documentation. The baseline will include resource loaded schedules and supporting documentation such as Dictionary Sheets, APFs, EWSs, and MDSs. This milestone will be completed upon resolution of comments from RL and other stakeholders and the resubmittal of the plan as part of the TWRS MYPP.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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Milestone Control No T34-97-011
WBS Number 1.01.01.03.04.03.0001.0002

Revision/CIN: 0
Due Date: 5/30/97
ADS No: 1250-3

WHC-SP-1101
REV. 1

Title: SUBMIT FINAL ADS TO RL

Schedule ID: S3W01040A
Scheduler: VL Armstrong

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Document

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
TWRS
Integration

Description of this Commitment:

The ADS for this sub-project will be prepared in final form for submittal to RL and then forwarded as the sub-project budget request to Congress. The final ADS will describe the scope of the sub-project and the various budget scenarios along with impact based on less-than-planning amount. This submittal will have incorporated RL comments along with those received from other stakeholders and DOE-HQ.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
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Milestone Control No T34-97-012

Revision/CIN: 0

WHC-SP-1101

WBS Number 1.01.01.03.04.03.0001.0003

Due Date: 8/29/97

REV. 1

ADS No: 1250-3

Title: SUBMIT DRAFT MYPP TO RL

Schedule ID: S3W01045A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

[] TPA
[] DOE-HQ
[] DOE-FO
[x] DOE-RL
[] Contractor

[] Report
[] Letter
[] Drawing
[x] Other (Specify)
Document

[] DOE-HQ
[] DOE-RL
[x] Other (Specify)
TWRS
Integration

Description of this Commitment:

This milestone involves preparing the MYPP baseline documentation. The baseline will include resource loaded schedules and supporting documentation such as Dictionary Sheets, APFs, EWSs, and MDSs. This milestone will be completed upon preliminary review and RL Waste Disposal staff working with members of the sub-project staff to reach an understanding and receive preliminary comments from RL.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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Rev. 0

WHC-SP-1101
REV. 1

Milestone Control No T34-97-013
WBS Number 1.01.01.03.04.03.0001.0003

Revision/CIN: 0
Due Date: 9/26/97
ADS No: 1250-3

Title: SUBMIT FINAL MYPP TO RL FOR
APPROVAL

Schedule ID: S3W01050A

Scheduler: VL Armstrong

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Document

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
TWRS
Integration

Description of this Commitment:

This milestone involves preparing the MYPP baseline documentation. The baseline will include resource loaded schedules and supporting documents such as Dictionary Sheets, APFs, EWSs, and MDSs. This milestone will be completed upon resolution of comments from RL and other stakeholders and the resubmittal of the plan as part of the TWRS MYPP.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

**Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet**

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Milestone Control No T34-98-013
WBS Number 1.01.01.03.04.03.0001.0002

Revision/CIN: 0
Due Date: 5/29/98
ADS No: 1250-3

WHC-SP-1101
REV. 1

Title: SUBMIT FINAL ADS TO RL

Schedule ID: S3W01070A
Scheduler: VL Armstrong

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Document

Addressed To:

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
TWRS
Integration

Description of this Commitment:

The ADS for this sub-project will be prepared in final form for submittal to RL and then forwarded as the sub-project budget request to Congress. The final ADS will describe the scope of the sub-project and the various budget scenarios along with impact based on less-than-planning amount. This submittal will have incorporated RL comments along with those received from other stakeholders and DOE-HQ.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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Rev. 0

WHC-SP-1101
REV. 1

Milestone Control No T34-98-014

Revision/CIN: 0

WBS Number 1.01.01.03.04.03.0001.0003

Due Date: 8/31/98

ADS No: 1250-3

Title: 'SUBMIT DRAFT MYPP TO RL

Schedule ID: S3W01075A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA

☐ Report

☐ DOE-HQ

☐ DOE-HQ

☐ Letter

☐ DOE-RL

☐ DOE-FO

☐ Drawing

☒ Other (Specify)

☒ DOE-RL

☒ Other (Specify)

TWRS

☐ Contractor

Document

Integration.

Description of this Commitment:

This milestone involves preparing the MYPP baseline documentation. The baseline will include resource loaded schedules and supporting documentation such as Dictionary Sheets, APFs, EWSs, and MDSs. This milestone will be completed upon preliminary review and with RL Waste Disposal staff working with members of the sub-project staff to reach an understanding and receive preliminary comments from RL.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

Westinghouse Hanford Company
Tank Waste Remediation System
Milestone Description Sheet

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Rev. 0

WHC-SP-1101
REV. 1

Milestone Control No T34-98-015

Revision/CIN: 0

WBS Number 1.01.01.03.04.03.0001.0003

Due Date: 9/25/98

ADS No: 1250-3

Title: SUBMIT FINAL MYPP TO RL

Schedule ID: S3W01080A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Document

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
TWRS
Integration

Description of this Commitment:

This milestone involves preparing the MYPP baseline documentation. The baseline will include resource loaded schedules and supporting documents such as Dictionary Sheets, APFs, EWSs, and MDSs. This milestone will be completed upon resolution of comments from RL and other stakeholders and the resubmittal of the plan as part of the TWRS MYPP.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

N/A

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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WHC-SP-1101
REV. 1

Milestone Control No T34-00-008

Revision/CIN: 0

WBS Number 1.01.01.03.04.03.0002.0001

Due Date: 3/31/2000

ADS No: 1250-3

Title: ISSUE FINAL DRD AND INTERFACE
CONTROL DOCUMENT

Schedule ID: S3W02020A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☒ Report
☐ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Final versions of both the Capsule DRD and the Interface Control Document will be submitted to RL and approval prior to the start of conceptual design.

Description of what Constitutes Completion of the Commitment:

WHC approved DRD and ICD submitted to RL.

Acceptance Criteria:

Final Capsule DRD and ICD submitted to RL from Disposal Engineering manager.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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WHC-SP-1101
REV. 1

Milestone Control No T34-11-002

Revision/CIN: 0

WBS Number 1.01.01.03.04.03.0004.0001

Due Date: 9/30/2011

ADS No: 1250-3

Title: COMPLETED OPERATIONS
PREPARATIONS FOR THE CS/SR
CAPSULE PROCESSING FACILITY

Schedule ID: S3W04000A

Scheduler: VL Armstrong

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Complete operations activities necessary to achieve hot operations of the Cs/Sr Capsule Processing Facility including procedure preparation, training preparations, personnel training and qualification, operations and maintenance planning, materials and spare parts procurement and operational readiness assessment. Complete pre-operational testing of all Cs/Sr Capsule Processing Facility systems to demonstrate that the systems are ready for hot operations.

Description of what Constitutes Completion of the Commitment:

Approval of pre-operational test results by Cs/Sr Facility Operations manager. Approval of operational readiness assessment results by cognizant RL manager.

Acceptance Criteria:

Letter from Cs/Sr Facility manager certifying that the facility, procedures and personnel are ready to commence hot operations.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T34-11-004

Revision/CIN: 0

WBS Number 1.01.01.03.04.03.0003.0005

Due Date: 9/30/2011

ADS No: 1250-3

Title: COMPLETE STARTUP - CS/SR FACILITY

Schedule ID: S3W03020A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
Acceptance of
the facility by

☐ DOE-HQ
☐ DOE-RL
☒ Other (Specify)
WHC

Description of this Commitment:

This commitment covers the startup services provided by WHC for the Cs/SR Capsule Processing Facility and involves turnover of the facility from the construction contractor.

Description of what Constitutes Completion of the Commitment:

Acceptance of the Cs/Sr Facility by the operations contractor for unrestricted continued operation.

Acceptance Criteria:

A processing facility that is ready for unrestricted hot operations.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T34-12-004

Revision/CIN: 0

WBS Number 1.01.01.03.04.03.0004.0002

Due Date: 10/3/2011

ADS No: 1250-3

Title: INITIATE HOT OPERATIONS OF CS/SR
PROCESSING FACILITY

Schedule ID: S3W04004A

Scheduler: VL Armstrong

Milestone Level:

Deliverables

Addressed To:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

☐ Report
☒ Letter
☐ Drawing
☐ Other (Specify)

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

Completes operation activities necessary to achieve hot operations of the Cs/Sr Facility including procedure preparation, training preparations, personnel training and qualification, operations and maintenance planning, materials and spare parts procurement and operational readiness assessment. Complete pre-operational testing of the Cs/Sr Facility systems to demonstrate that the systems are ready for full operation in support of Cs/Sr processing.

Description of what Constitutes Completion of the Commitment:

See above.

Acceptance Criteria:

Approval of pre-operational test results by the Cs/Sr Facility Operations manager. Approval of operational readiness assessment results by cognizant RL manager.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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Milestone Control No T34-15-002
WBS Number 1.01.01.03.04.03.0004.0002

Revision/CIN: 0
Due Date: 10/8/2015
ADS No: 1250-3
Schedule ID: S3W04005A

Title: COMPLETE PRODUCTION
OPERATIONS OF THE CS/SR CAPSULE
PROCESSING FACILITY

Scheduler: VL Armstrong

Milestone Level:	Deliverables	Addressed To:
☐ TPA	☐ Report	☐ DOE-HQ
☐ DOE-HQ	☐ Letter	☒ DOE-RL
☐ DOE-FO	☐ Drawing	☐ Other (Specify)
☒ DOE-RL	☒ Other (Specify)	
☐ Contractor	Processed capsules	

Description of this Commitment:

Perform activities necessary for successful operations of the Cs/Sr Facility including system operations, system preventative and corrective maintenance, production and maintenance planning, materials and spare parts procurement, continuing training, Safety and QA support, engineering support, management support, and planning, scheduling and budgeting support.

Description of what Constitutes Completion of the Commitment:

Completion of processing operations to place the capsules in a condition acceptable to the repository.
Compliance with all requirements and regulations applicable to the facility.

Acceptance Criteria:

Processed capsules and related documentation.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

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REV. 1

Milestone Control No T34-16-001

Revision/CIN: 0

WBS Number 1.01.01.03.04.03.0004.0003

Due Date: 10/24/2016

ADS No: 1250

Title: COMPLETE DEACTIVATION OF THE
CS/SR CAPSULE PROCESSING FACILITY

Schedule ID: S3W04010A

Scheduler: VL Armstrong

Milestone Level:

- ☐ TPA
- ☐ DOE-HQ
- ☐ DOE-FO
- ☒ DOE-RL
- ☐ Contractor

Deliverables

- ☐ Report
- ☒ Letter
- ☐ Drawing
- ☐ Other (Specify)

Addressed To:

- ☐ DOE-HQ
- ☒ DOE-RL
- ☐ Other (Specify)

Description of this Commitment:

Perform activities required to deactivate the facility. These include removal of process materials, removal of hazardous materials, complete housekeeping cleanout, and establishing a minimum systems condition.

Description of what Constitutes Completion of the Commitment:

Completion of all activities specified in the approved deactivation plan.

Acceptance Criteria:

Letter from Cs/Sr Facility Operations manager documenting completion of deactivation.

MDS APPROVAL

COMPLETION APPROVAL

Date Milestone Was Completed

WHC Responsible Manager/Date

WHC Responsible Manager/Date

DOE Manager/Date

DOE Manager/Date

A17-17

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REV. 1

Milestone Control No T34-18-001
WBS Number 1.01.01.03.04.03.0005.0001

Revision/CIN: 0
Due Date: 11/19/2018
ADS No: 1250-3

Title: COMPLETE CS/SR CAPSULE
PROCESSING FACILITY D&D

Schedule ID: S3W05005

Scheduler: VL Armstrong

Milestone Level:

☐ TPA
☐ DOE-HQ
☐ DOE-FO
☒ DOE-RL
☐ Contractor

Deliverables

☐ Report
☐ Letter
☐ Drawing
☒ Other (Specify)
D&D
documentation

Addressed To:

☐ DOE-HQ
☒ DOE-RL
☐ Other (Specify)

Description of this Commitment:

The Cs/Sr capsules will be shipped to a storage facility or repository following processing in the Cs/Sr Facility. The facility will be surveyed and plans developed for cleanup. Once cleanup activities are complete, documentation will be prepared to transfer the facility to EM-60.

Description of what Constitutes Completion of the Commitment:

Documented completion of all D&D activities.

Acceptance Criteria:

Documentation that all D&D activities for the Cs/Sr Capsule Facility are complete. Turnover of facility to EM-60, and acceptance by EM-60.

MDS APPROVAL

COMPLETION APPROVAL

WHC Responsible Manager/Date

DOE Manager/Date

Date Milestone Was Completed

WHC Responsible Manager/Date

DOE Manager/Date