

START

Meeting Minutes
Interim Status Dangerous Waste Tank Systems
Hanford Federal Facility Agreement and Consent Order
Milestone M-32-00

UNIT MANAGERS MEETING
2440 Stevens Center
Richland, Washington

January 31, 1995
8:00 a.m. to 9:30 a.m.

The undersigned indicate by their signatures that these meeting minutes reflect the actual occurrences of the above dated Unit Managers Meeting (UMM).

E. M. Greager
E. M. Greager, Contractor Representative, WHC

Date: 2/15/95

Not Present
P. S. Kube, Unit Manager, RL

Date: _____

Not Present
K. J. Oates, Unit Manager, EPA Region 10

Date: _____

Robert W. Wilson
R. W. Wilson, Unit Manager, Washington State Department of Ecology

Date: 03/06/95

Purpose: Discuss current status and issues related to Milestone M-32-00.

Meeting minutes are attached. The minutes are comprised of the following:

- Attachment 1 - Agenda
- Attachment 2 - Summary of Discussion, Agreements and Actions
- Attachment 3 - Attendance List
- Attachment 4 - PFP's Compliance Strategy and status table
- Attachment 5 - Milestone M-32-00



MILESTONE M-32-00
UNIT MANAGERS MEETING
2440 Stevens Center
Richland, Washington

January 31, 1995
8:00 a.m. to 9:30 a.m.

Agenda

I. UM ISSUES

- a. PFP - Compliance strategy (M-32-01-T02)
- b. 219-S - Budget cut impacts to Project W-087 (M-32-02-T02).
- c. B Plant - Proposed organic solvent waste tanks target actions.
- d. Miscellaneous* - Scope of Milestone M-32-00
325 Building slab tanks

* These items were added to the original agenda that was sent out with the UMM notice.

**THIS PAGE INTENTIONALLY
LEFT BLANK**

MILESTONE M-32-00
UNIT MANAGERS MEETING
2440 Stevens Center
Richland, Washington

January 31, 1995
8:00 a.m. to 9:30 a.m.

Summary of Discussion, Agreements and Actions

I. UM ISSUES

- PFP - Mr. J. E. Bramson, WHC, provided a status on the PFP compliance strategy's (M-32-01-T02) action items. Basically, all items are on schedule. See compliance strategy and status table in attachment 4 for specifics. Mr. Bramson also mentioned that the operational limits stated in Milestone M-32 will not be exceeded.

In response to a question from Mr. R. W. Wilson, Ecology, Mr. Bramson said that leak tests for piping to building 234-5Z have been completed, but that the leak tests for piping to building 236-Z would not be completed for another two months. Mr. Wilson asked for documentation showing the completion of leak tests once they are done.

Action: Mr. Bramson will provide Ecology with documentation on the completion of leak tests.

Agreement: Mr. Wilson approved PFP's compliance strategy (M-32-01-T02). These meeting minutes provide formal documentation of Ecology's approval.

- 219-S - Mr. R. N. Warren, RL, provided an overview of the current status of Project W-087 (M-32-02-T02). The EA/FONSI has been approved. Construction on Phase I (line replacement from 219-S to 244-S) has begun. By end of calendar year 1995, construction on Phase I will be complete.

By end of calendar year 1995, definitive design on Phase II (line replacement from 222-S to 219-S and within 222-S) will be complete. Pipelines between 222-S and 219-S will be installed (buried) but not tied-in.

Based on current plans, the tie-ins of piping between 222-S and 219-S and upgrades to piping within building 222-S will be performed in time for the September 1997 interim milestone deadline. Mr. Wilson voiced his concern that current plans for Project W-087 could still undergo further budget cuts.

- B Plant - Mr. S. E. Killoy, WHC, reviewed the status of the B Plant M-32-07 interim milestone. Work on the integrity assessment (M-32-07-T03) has begun. Mr. Killoy, reiterating information previously provided to Ecology, stated that this assessment will not include tank 23-1 nor concentrator E23-3, but will include tank 24-1.

Mr. Killoy then reviewed the proposed additions to B Plant's interim milestone, target actions M-32-07-T04 and -T05. He stated that integrity testing of the organic solvent waste tanks would start as soon as the caustic strike was completed and that the caustic strike would commence as soon as approval was received from Ecology.

Mr. Wilson reviewed a draft copy of the letter transmitting the proposed target actions and requesting Ecology's approval of the caustic strike and mentioned that he did not see any problem with approving the caustic strike.

Action: Once the letter is received, Mr. Wilson states that he would provide formal notification of Ecology's approval to commence the caustic strike.

**THIS PAGE INTENTIONALLY
LEFT BLANK**

**MILESTONE M-32-00
UNIT MANAGERS MEETING
2440 Stevens Center
Richland, Washington**

**January 31, 1995
8:00 a.m. to 9:30 a.m.**

Summary of Discussion, Agreements and Actions

I. UM ISSUES

- PFP - Mr. J. E. Bramson, WHC, provided a status on the PFP compliance strategy's (M-32-01-T02) action items. Basically, all items are on schedule. See compliance strategy and status table in attachment 4 for specifics. Mr. Bramson also mentioned that the operational limits stated in Milestone M-32 will not be exceeded.

In response to a question from Mr. R. W. Wilson, Ecology, Mr. Bramson said that leak tests for piping to building 234-5Z have been completed, but that the leak tests for piping to building 236-Z would not be completed for another two months. Mr. Wilson asked for documentation showing the completion of leak tests once they are done.

Action: Mr. Bramson will provide Ecology with documentation on the completion of leak tests.

Agreement: Mr. Wilson approved PFP's compliance strategy (M-32-01-T02). These meeting minutes provide formal documentation of Ecology's approval.

- 219-S - Mr. R. N. Warren, RL, provided an overview of the current status of Project W-087 (M-32-02-T02). The EA/FONSI has been approved. Construction on Phase I (line replacement from 219-S to 244-S) has begun. By end of calendar year 1995, construction on Phase I will be complete.

By end of calendar year 1995, definitive design on Phase II (line replacement from 222-S to 219-S and within 222-S) will be complete. Pipelines between 222-S and 219-S will be installed (buried) but not tied-in.

Based on current plans, the tie-ins of piping between 222-S and 219-S and upgrades to piping within building 222-S will be performed in time for the September 1997 interim milestone deadline. Mr. Wilson voiced his concern that current plans for Project W-087 could still undergo further budget cuts and impact the interim milestone deadline.

- B Plant - Mr. S. E. Killoy, WHC, reviewed the status of the B Plant M-32-07 interim milestone. Work on the integrity assessment (M-32-07-T03) has begun. Mr. Killoy, reiterating information previously provided to Ecology, stated that this assessment will not include tank 23-1 nor concentrator E-23-3 as these units are inactive and there are no plans for operating them in the future, but will include tank 24-1.

Mr. Killoy then reviewed the proposed additions to B Plant's interim milestone, target actions M-32-07-T04 and -T05. He stated that integrity testing of the organic solvent waste tanks would start as soon as the caustic strike was completed and that the caustic strike would commence as soon as approval was received from Ecology.

Mr. Wilson reviewed a draft copy of the letter transmitting the proposed target actions and requesting Ecology's approval of the caustic strike and mentioned that he did not see any problem with approving the caustic strike.

Action: Once the letter is received, Mr. Wilson states that he would provide formal notification of Ecology's approval to commence the caustic strike.

**THIS PAGE INTENTIONALLY
LEFT BLANK**

- Scope of Milestone M-32-00 - Mr. J. L. Waite, WHC, discussed the intent of Milestone M-32-00. He pointed out that the milestone was written in such a way that future target actions and/or interim milestones could be added. He stated that all parties involved during the original negotiations were aware of this and that the first line in M-32-00 reflected that agreement.

Action: Mr. Wilson agreed to discuss this with interested parties within Ecology.

- 325 Building slab tanks - Mr. Waite informed Ecology that the proposed 325 building slab tank interim milestone was being drafted. He stated that 325 would not be restarted in support of TWRS until submittal of this package.

THIS PAGE INTENTIONALLY
LEFT BLANK

**THIS PAGE INTENTIONALLY
LEFT BLANK**

9513359.1088

9454284*
(Reissue)
ATTACHMENT 2
Page 1 of 7

**PROPOSED COMPLIANCE STRATEGY FOR THE
PLUTONIUM FINISHING PLANT DANGEROUS AND
TREATMENT TANK SYSTEM (TARGET MILESTONE
M-32-01-T02)**

Proposed Compliance Strategy For
The Plutonium Finishing Plant
Interim Status Dangerous Waste Storage and Treatment Tank System

A. Introduction

The strategy presented herein is intended to bring the Plutonium Finishing Plant (PFP) dangerous waste tank system into compliance with applicable State of Washington Dangerous Waste Regulations contained in Chapter 173-303 of the Washington Administrative Code (WAC) and U.S. Environmental Protection Agency (EPA) Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities contained in Part 265 to Title 40 of the Code of Federal Regulations (CFR).

The compliance strategy has been developed to meet the Hanford Federal Facility Agreement and Consent Order Milestone M-32-01-T02 commitment.

B. Description

The PFP dangerous waste tank system is comprised of four, 15,900 liter (4200 gallon) single-shell onground tanks within the 241-Z Waste Storage and Treatment Facility (WSTF) and their associated ancillary equipment. The ancillary equipment, located in and between the 241-Z, 234-5Z, and 236-Z buildings, includes transfer piping, valves, and pumps that control the flow of dangerous waste from various points of generation within the PFP Complex.

The WSTF is a buried reinforced concrete structure with its top at the surrounding grade level, consisting of five separate enclosures, each containing a tank and its ancillary equipment. The tanks, designated D-4, D-5, D-6 (out of service), D-7, and D-8, are the receiving tanks for intermediate storage and treatment of the liquid radioactive dangerous wastes generated at the PFP. The D-7 cell also contains an 800 liter (212 gallon) tank which serves as overflow collection for the four active tanks. A pre-engineered corrugated metal building, housing ventilation filter enclosures and instrument racks, sits atop the WSTF structure.

The dangerous waste streams received by the WSTF originate within the 234-5Z and 236-Z Buildings. Waste piping from 234-5Z and 236-Z, which historically proceeded to WSTF encased in a reinforced underground trench, is currently undergoing replacement (Project C-031H) with a new, fully compliant piping system which will tie in to Tank D-8. Tie-in of this project is identified in Milestone M-32-01-T03 for completion by December 31, 1994.

C. Regulations

The Washington State Department of Ecology (Ecology) and EPA jointly regulate hazardous/dangerous wastes under the Resource Conservation and Recovery Act (RCRA). The federal program requirements for interim status tank systems appear in 40 CFR Part 265, Subpart J. Washington State is authorized to implement a portion of the federal RCRA program and does so pursuant to both federal RCRA and the State Hazardous Waste Management Act. State program requirements for dangerous waste management facilities

and interim status tank systems appear in WAC 173-303-280 through 395, 400 and 640. The State program for interim status treatment, storage, and disposal facilities embodies those standards set forth in 40 CFR Part 265 Subpart J.

D. Tank System Compliance

1. Requirement: Inspections. WAC 173-303-320 establishes the general inspection requirements for treatment, storage, and disposal facilities. 40 CFR 265.195 establishes the requirement to perform daily inspections of aboveground portions of tank systems to detect corrosion or releases of waste. In addition, 40 CFR 256.195 requires inspection of overflow/spill control equipment, data gathered from monitoring equipment and leak-detection equipment, and construction materials and areas immediately surrounding the externally accessible portion of the tank system.

Status: Daily inspections of the accessible portion of the Plutonium Finishing Plant dangerous waste tank system within the WSTF are not performed.

Discussion: Visual inspections of the tank system and construction materials within WSTF are not performed daily in an effort to maintain worker exposure to radiation and the potential for radioactive contamination of personnel and equipment as low as reasonably achievable.

The status of the tank system is recorded by plant operation surveillances at least daily. Tank conditions monitored are weight factor (strip chart and alarm indications), leaks (alarm indication), and overflow (alarm indication). The weight factor strip charts are inspected and data recorded once every four hours during weekdays and once every eight hours during weekends and holidays. The tank monitoring system alarms are inspected and status recorded every eight hours. The facility is confident that these monitoring systems would detect significant tank system leaks or liquid accumulation within the cells.

Compliance Strategy:

The Plutonium Finishing Plant proposes to continue the daily surveillance of the tank system monitoring devices and the data they provide to satisfy the requirements of WAC 173-303-320 and 40 CFR 265.195.

2. Requirement: Secondary Containment. 40 CFR 265.193 requires tank systems be provided with secondary containment, meeting the requirements of the section, to prevent the release of hazardous waste or hazardous constituents to the environment. Ancillary equipment consisting of aboveground piping, welded flanges, welded joints, and welded connections that are visually inspected on a daily basis is

exempt from full secondary containment that meets the requirements of the section.

Status: The following areas of the PFP Dangerous Waste Tank System are not provided with secondary containment that meets the requirements of 40 CFR 256.193.

Tanks and ancillary equipment located within WSTF.

Ancillary waste piping within 236-Z external to secondary containment gloveboxes.

Ancillary waste piping between the 236-Z, 234-5Z, and WSTF Buildings (physical work on the piping has been completed as part of project C-031H. The project will be closed out by December 31, 1994).

Ancillary waste piping within 234-5Z external to secondary containment gloveboxes.

Discussion: The PFP Dangerous Waste Tank System is located within the confines of building structures (i.e., rooms, concrete cells, and concrete pipe chases, trenches and tunnels). The ancillary waste piping located within WSTF is not readily accessible due to the radiological condition of the tank cell environment. The high potential for radioactive contamination of personnel and equipment preclude routine access to the tanks. At several locations below the 234-5Z Building the ancillary waste piping is situated outside the confines of these structures and is not physically accessible. Drainlines specific to this type of situation originate within the following rooms:

Room 143	Room 187
Room 152	Room 188
Room 166	Room 227
Room 179	Room 308

The remaining portion of the ancillary waste piping system within 234-5Z is located aboveground and is easily accessible.

The Hanford Federal Facility Agreement and Consent Order Milestone M-32-01 outlines the conditions under which the PFP Dangerous Waste Tank System may continue to operate until regulatory compliance is achieved or terminal cleanout is completed. The facility will not be operated outside the restrictions of the M-32-01 milestone without first completing tank system upgrades necessary for compliance with state and federal regulations.

Compliance Strategy:

The PFP proposes that while the dangerous waste tank system is operated within the guidelines specified in Milestone M-32-01, no upgrades to secondary containment in WSTF or

236-Z will be performed. If a new mission is identified for the PFP or if it is determined that the waste generation and discharge limits specified in the milestone may be exceeded, the PFP will notify the regulators of the intent to complete a demonstration in accordance with 40 CFR 265.193(g) in an effort to obtain a variance from secondary containment requirements.

The PFP proposes to take no action to upgrade secondary containment for the ancillary waste piping within 234-5Z with the exception of the following areas:

Room 143	Room 187
Room 152	Room 188
Room 166	Room 227
Room 179	Room 308

The waste piping in rooms 143, 179, 187, 188, and 308 will be routed to permit daily visual inspection of the pipe and pipe connections for corrosion and leaks. The project to complete these upgrades is C-196, "234-5Z Secondary Containment Upgrades." Project construction is expected to begin October 1994, with completion expected in June 1995.

The waste piping in Room 152 will be upgraded to comply with secondary containment requirements only if a decision is made to continue operation of the waste generating equipment serviced by the waste drain system. Continued use of the equipment will require system modifications that will include waste piping secondary containment upgrades. There are currently no plans for operation of this equipment. The need for continued use of the system will not be known until completion of an evaluation of alternative stabilization activities at the PFP under the National Environmental Policy Act.

Rooms 166 and 227 each contain a single chemical product storage tank which overflow to the dangerous waste tank system within 234-5Z. Overflow of these tanks results in loss of usable chemical product and therefore will be modified to provide recovery of product material should overflowing of the tanks occur. The process supported by the storage tanks is currently in operational standby and the tanks are empty. Prior to activating the tank system, the overflow system will be isolated from the dangerous waste tank system by disconnecting the overflow lines. The isolation of the overflow system will be completed by September 30, 1994.

The remaining ancillary waste piping within 234-5Z is located aboveground and is accessible for visual inspection to detect corrosion or leaks and is therefore exempt from full secondary containment requirements.

The ancillary waste piping between 236-Z, 234-5Z, and WSTF is being upgraded to full secondary containment requirements

through Hanford Environmental Compliance Project C-031H, "PFP Liquid Effluent Treatment Facility." The project is currently under construction and scheduled to be completed by December 31, 1994 under Target Action M-32-01-T03.

3. Requirement: System Integrity. 40 CFR 265.191 requires that an assessment of an existing tank system's integrity be completed to determine that the tank system is adequately designed and has sufficient structural strength and compatibility with the waste to be handled to ensure that it will not collapse, rupture, or fail.

Status: During the performance of an integrity assessment for the PFP Dangerous Waste Tank System, the following ancillary equipment was determined to not have sufficient strength or compatibility with the waste:

Laboratory sink drains in Rooms 179 and 191 of 234-5Z.

Electric motor valve (EMV-21-D) within the Second Floor East Gallery Glovebox (Section ET) of 236-Z.

The following condition was noted during the course of the visual examination performed as part of the tank integrity assessment within WSTF.

Waste piping supports within the D-4, D-7, and D-8 cells appeared significantly corroded. The observation suggests that the waste piping within these cells may not be adequately supported.

Discussion: The laboratory sink drain systems in Rooms 179 and 191 were found to consist of construction materials that were not specified by original design. These materials have not been proven compatible with the waste generated in the laboratory and there is evidence these drain lines have leaked in the past. Currently, use of the laboratory sinks is under administrative prohibition. A continued need for the use of the sinks has been identified and the PFP is proceeding with system modifications to replace the existing piping with materials specified by design for chemical waste drains.

The electric motor valve (EMV-21-D) within the Second Floor East Gallery Glovebox at Section ET controls the flow of dangerous waste from the Plutonium Reclamation Facility filtrate evaporator process condenser to the 236-Z dangerous waste piping system. The valve was found to display evidence of having leaked at some time during its use. The filtrate evaporator was in operational standby during the visual inspection and has since been placed into a shutdown mode, precluding the discharge of waste through this valve. The valve has been identified as needing repair or replacement prior to continued use of the filtrate evaporator system. The need for continued use of the system will not be known until completion of an evaluation of alternative stabilization activities at the PFP under the

National Environmental Policy Act. If operation of the filtrate evaporator system is approved as part of PFP stabilization activities, Valve EMV-21-D will be repaired or replaced prior to the system being placed into service.

Compliance Strategy:

The PFP proposes to return the laboratory sinks in Rooms 179 and 191 to service following completion of the drain system modifications. The modifications are expected to be completed by September 30, 1994.

The PFP proposes to await the outcome of the Environmental Impact Statement before proceeding with repair or replacement of Valve EMV-21-D.

The PFP proposes to complete an engineering evaluation to determine whether the hangers within the D-4, D-7, and D-8 cells have sufficient structural strength to support the ancillary waste piping. The evaluation will be completed by December 31, 1994. If it is determined that piping support upgrades are required, a plan and schedule to complete the upgrades will be developed by January 31, 1995.

**STATUS OF THE PROPOSED COMPLIANCE STRATEGY FOR THE
PLUTONIUM FINISHING PLANT INTERIM STATUS DANGEROUS WASTE STORAGE AND TREATMENT TANK SYSTEM**

REQUIREMENT	COMPLIANCE ACTION	STATUS
Inspections	Continue daily surveillance of the 241-Z tank system monitoring devices and data provided to satisfy the requirements of WAC 173-303-320.	Surveillances being performed daily.
Secondary Containment	No upgrades within 241-Z WSTF or 236-Z (PRF) as long as the waste tank system is operated within the guidelines specified in TPA M-32-01. Identification of new mission or determination that discharge limits will be exceeded will initiate variance request in accordance with 40 CFR 265.193(g).	No identified change in mission or expectation that discharge limits will be exceeded.
	Complete Project C-196, "234-5Z Secondary Containment Upgrades."	Construction has started and the project is scheduled to be completed by April 28, 1995.
	Upgrade secondary containment in Room 152 if decision is made to continue operation of waste generating equipment.	No current plans for continued operation. Future use dependent upon PFP EIS.
	Eliminate chemical product overflows to waste system in Rooms 166 and 227.	Complete. September/December 1994.
	Complete Project C-031H, "PFP Liquid Effluent Treatment Facility."	Complete. September 30, 1994.
System Integrity	Upgrade laboratory sink drain systems in Rooms 179 and 191 to provide piping materials compatible with waste handling requirements.	Administrative prohibition on use of drains remains in place. Upgrades to be completed as part of Project C-196.
	Await outcome of PFP EIS before proceeding with repair or replacement of valve EMV-21-D.	PFP EIS is scheduled to be issued June 1996. The draft document is due August 1995.
	Complete engineering evaluation of pipe hangers within 241-Z D-4, D-7, and D-8 cells.	Complete. December 30, 1994.

9513359-1092

**THIS PAGE INTENTIONALLY
LEFT BLANK**

MILESTONE M-32-00
UNIT MANAGERS MEETING
2440 Stevens Center
Richland, Washington

January 31, 1995
8:00 a.m. to 9:30 a.m.

Attendance List

NAME	ORGANIZATION	PHONE #	MSIN
J. E. Bramson	WHC	373-1359	T5-54
E. M. Greager	WHC	376-3132	H6-20
M. J. Hall	WHC	373-5719	T6-07
S. E. Killoy	WHC	372-0183	S6-70
P. S. Kube*	RL	373-9850	A5-15
A. R. Sherwood	WHC	376-6391	H6-20
J. L. Waite	WHC	372-1772	B2-35
R. N. Warren	RL	376-7330	A5-18
R. W. Wilson	Ecology	736-3031	B5-18

As Mr. Kube arrived at 9:30 a.m., he did not participate in the UMM, but was brief on the topics discussed.

EROI RECEIVED

UNITED STATES DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D.C. 20535

January 21, 1952
10:00 a.m. to 2:00 p.m.

CONFIDENTIAL

**THIS PAGE INTENTIONALLY
LEFT BLANK**

Attachment 4

PFF'S COMPLIANCE STRATEGY AND SUMMARY TABLE

THIS PAGE INTENTIONALLY LEFT BLANK

**THIS PAGE INTENTIONALLY
LEFT BLANK**

9513359.1095

Attachment 5

TPA MILESTONE M-32-00

THIS PAGE INTENTIONALLY
LEFT BLANK

201-225129

**THIS PAGE INTENTIONALLY
LEFT BLANK**

**Interim Status Dangerous Waste Tank Systems Hanford Federal
Facility Agreement and Consent Order Milestone
M-32**

M-32-00

Complete Identified Dangerous Waste Tank Corrective Actions

September 1999

Completion of interim milestone tasks may identify the need for additional actions or interim milestones in the future. The reports and deficiency correction schedules prepared to satisfy current milestones will be used to identify any appropriate new interim milestones. Any new interim milestones will subsequently be established via the change process in Section 12 of the Action Plan.

Tank integrity assessments will not be required for terminal cleanout of the Plutonium-Uranium Extraction Plant, except for Tanks F18, U3, and U4. Integrity assessments for Tanks F18, U3, and U4 have been completed.

M-32-01

Complete Plutonium Finishing Plant (PFP) Tank Interim Status Actions

December 1994

Stabilization activities at the Plutonium Finishing Plant (PFP), dependent on evaluation of alternatives under the National Environmental Policy Act, will be limited to a liquid waste generation of 300,000 gallons or less to the 241-Z tank system. The waste is temporarily stored in the 241-Z Tank System prior to transfer to the Double-Shell Tank Farms. Following any such stabilization activity, the PFP will not initiate any additional mission(s), except as described below, that results in the discharge of waste to the 241-Z tanks prior to completion of tank system upgrades necessary for compliance with state and federal dangerous waste regulations.

Glove-box scale, laboratory, plant maintenance, and miscellaneous support activities necessary for safe, secure storage of materials and protection of personnel and the environment will continue. With exception of the stabilization activities, discharge to 241-Z will be limited to 50,000 gallons per year until compliance is achieved or terminal cleanout is completed. Any terminal cleanout discharge requirements in excess of 50,000 gallons per year will be reviewed and approved by the three parties prior to implementation.

9513359-1096

**Interim Status Dangerous Waste Tank Systems Hanford Federal
Facility Agreement and Consent Order Milestone
M-32**

M-32-01	Complete Plutonium Finishing Plant (PFP) Tank Interim Status Actions	December 1994
M-32-01-T01	Complete and submit integrity assessment report for PFP interim status tank system. Provide a schedule to address any deficiencies described in the report related to tank system compliance (Deficiencies not addressed in this schedule will be addressed in the compliance strategy of target action M-32-01-T02).	October 1993
M-32-01-T02	Submit proposed compliance strategy for remaining dangerous waste tank system issues.	June 1994
M-32-01-T03	Complete construction of piping upgrades between 234-5Z, 236-Z and 241-Z Tank System (Project C-031H).	December 1994
M-32-02	Complete 219-S Tank Interim Status Actions	September 1997
M-32-02-T01	Provide notification of completion of Definitive Design for Project W-178 - Construction of Interim Status Tank System Upgrades for 219-S Tank System.	January 1996
M-32-02-T02	Upgrade existing transfer lines to meet secondary containment requirements.	September 1997
M-32-03	Complete T Plant Tank Actions	September 1999
M-32-03-T01	Implement periodic visual inspection and static leak test program for 2706-T and 211-T tanks.	October 1993
M-32-03-T02	Complete Conceptual Design Report (Project W-259) for T Plant tank system upgrades.	April 1994
M-32-03-T03	Submit schedule for completion of T Plant tank system upgrades (Project W-259).	June 1994
M-32-03-T04	Complete modification of 2706-T Staging Pad to eliminate accumulation of precipitation.	June 1994

9513359.1097

**THIS PAGE INTENTIONALLY
LEFT BLANK**

**Interim Status Dangerous Waste Tank Systems Hanford Federal
Facility Agreement and Consent Order Milestone
M-32**

M-32-03	Complete T Plant Tank Actions	September 1999
M-32-03-T05	Install level indication device for 211-T tank.	June 1994
M-32-03-T06	Complete scheduled upgrades to T Plant tank system (Project W-259).	September 1999
M-32-04	Complete Double-Shell Tank Interim Status Tank Actions	June 1994
M-32-04-T01	Submit design standards review for one tank farm.	September 1993
M-32-04-T02	Prepare and submit report documenting non-destructive examination equipment development and implementation plans.	September 1993
M-32-04-T03	Complete all DST visual examination and prepare and submit reports.	September 1993
M-32-04-T04	Complete and submit the Transfer Facility Compliance Plan.	June 1994
M-32-04-T05	Submit to Ecology a final plan and schedule for completion of the Double-Shell Tank integrity assessments.	June 1994
M-32-05	Complete 242-A Evaporator Interim Status Tank Actions	1 Month after hot restart
M-32-05-T01	Complete and submit integrity assessment report for the 242-A Evaporator interim status tank system. Provide a schedule to address any deficiencies described in the report related to tank system compliance.	1 Month after hot restart
M-32-06	Complete 244-AR Vault Interim Status Tank Actions	Prior to restart
M-32-06-T01	Complete and submit integrity assessment report and identified upgrades for 244-AR Vault interim status tank system (except that DST transfer lines that penetrate the 244-AR Vault will continue to be used). Provide a schedule to address any deficiencies described in the report related to tank system compliance.	Prior to restart

9513359-1098

THIS PAGE INTENTIONALLY LEFT BLANK

United States Department of Commerce
Bureau of Economic Analysis
National Income and Product Accounts

September 1993

June 1994

March 1995

June 1996

September 1997

December 1998

March 1999

June 2000

September 2001

December 2002

March 2003

June 2004

September 2005

December 2006

March 2007

June 2008

September 2009

December 2010

**Interim Status Dangerous Waste Tank Systems Hanford Federal
Facility Agreement and Consent Order Milestone
M-32**

M-32-07	Complete B Plant Interim Status Tank Actions	December 1995
M-32-07-T01	Identify additional dangerous waste tanks and ancillary equipment that will be routinely used during cleanout and stabilization activities. Submit schedule to perform integrity assessments on identified additional dangerous waste tanks and ancillary equipment.	April 1994
	<p>B Plant will not accept any waste for treatment, except waste generated as a result of on-going B Plant/WESF operations, without completion of tank integrity assessments and completion of upgrades necessary for compliance with WAC 173-303-640 or an applicable permit on systems used for the treatment, storage or disposal of the waste.</p>	
M-32-07-T02	Complete and submit integrity assessment plan for Tanks 25-1, 25-2, 23-1, concentrator E-23-3, and identified ancillary equipment.	October 1994
M-32-07-T03	Complete and submit integrity assessment report for Tanks 25-1, 25-2, 23-1, concentrator E-23-3, and ancillary equipment as identified in the integrity assessment plan. Provide a schedule to address any deficiencies described in the report related to tank system compliance.	December 1995
	<p>The integrity assessment report of the low level waste concentrator, E-23-3, and the concentrated waste receiver, TK-23-1, will be completed only if their operation is planned beyond December 1995. The determination to include these two tanks in the integrity assessment report will be made by October 1994.</p>	
M-32-08	Complete Grout Interim Status Tank Actions	Prior to processing DST waste
M-32-08-T01	Complete and submit integrity assessment report for Grout interim status tank system. Complete activities required to correct any deficiencies described in the report related to tank system compliance.	Prior to processing DST waste

9513359.1099

**THIS PAGE INTENTIONALLY
LEFT BLANK**

10-11-2001 08:55:12

10-11-2001 08:55:12

10-11-2001 08:55:12

10-11-2001 08:55:12

10-11-2001 08:55:12

10-11-2001 08:55:12

9513359 1100
Interim Status Dangerous Waste Tank Systems
Hanford Federal Facility Agreement and Consent Order
Milestone M-32-00

MAR 3 REC'D

Unit Managers Meeting Minutes
January 31, 1995

Distribution List

J. J. Beyer	WHC	R3-35
J. E. Bramson	WHC	T5-54
P. J. Crane	WHC	T3-28
B. G. Erlandson	WHC	H6-20
C. J. Geier	WHC	R2-36
E. M. Greager	WHC	H6-20
R. D. Gustavson	WHC	R1-51
M. J. Hall	WHC	T6-07
S. M. Joyce	WHC	H4-21
S. E. Killoy	WHC	S6-70
P. S. Kube	RL	A5-15
D. J. McBride	WHC	T5-54
K. J. Oates	EPA	B5-01
M. D. Rollison	WHC	T6-12
A. R. Sherwood	WHC	H6-20
J. L. Waite	WHC	B2-35
R. N. Warren	RL	A5-18
D. W. Wilson	WHC	S6-70
R. W. Wilson	Ecology	B5-18

EDMC

H6-08

Please send comments on distribution list to A. R. Sherwood, H6-20, 376-6391.

THIS PAGE INTENTIONALLY
LEFT BLANK