

***Current as of
September 8, 2015***

APPENDIX D

**WORK SCHEDULE
MILESTONES AND TARGET DATES INCLUDING DESIGNATION
OF LEAD REGULATORY AGENCY**

NOTES:

Major Milestones are indicated by a -00 suffix (example, M-021-00).
Interim Milestones are indicated by a suffix greater than zero (example, M-022-02). A target date is indicated by a "T" (example, M-021-02-T01). See Section 2.0 of this Action Plan for more details.

Milestones and target dates which are completed, or have been deleted by an approved Tri-Party Agreement change request, are not displayed in Appendix D and have been archived.

Appendix D. Milestones and Target Dates Including Designation of Lead Regulatory Agency

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-015-00	Complete the RI/FS (or RFI/CMS and RI/FS) process for all non-tank farm operable units except for canyon/associated past practice waste site OUs covered in M-85-00. A day for day slip in submitting the Feasibility Study Report and Proposed Plan milestone will be given for each day the RI/FS Work Plan is not approved following six months after submittal.	12/31/2016
M-015-21A Lead Agency: Ecology	Submit a 200-BP-5 and 200-PO-1 OU Feasibility Study Report and Proposed Plan(s) to Ecology.	06/30/2015
M-015-38B Lead Agency: EPA	Submit a revised Feasibility Study Report and revised Proposed Plan(s) for the 200-CW-1, 200-CW-3, and 200-OA-1 Operable Units for Waste Sites in the Outer Area of the Central Plateau to EPA.	Revised due date to be identified by 10/30/2015
M-015-78 Lead Agency: EPA	Complete two years of groundwater and aquifer tube sampling at the 100-BC expanded monitoring network in accordance with the revised 100-BC-1, 100-BC-2, and 100-BC-5 RI/FS Work Plan.	02/28/2016
M-015-79 Lead Agency: EPA	Submit CERCLA Remedial Investigation/Feasibility Study Report and Proposed Plan for the 100-BC-1 and 100-BC-2 source operable units and the 100 BC-5 groundwater operable unit.	12/15/2016
M-015-91B Lead Agency: EPA	Submit Feasibility Study Report(s) and Proposed Plan(s) for the 200-BC-1/200-WA-1 operable units (200 West Inner Area) to EPA.	12/31/2015
M-015-92A Lead Agency: Ecology	Submit a RCRA Facility Investigation/Corrective Measures Study & Remedial Investigation/Feasibility Study work plan for the 200-EA-1 operable unit (200 East Inner Area) to Ecology.	06/30/2015
M-015-92B Lead Agency: Ecology	Submit Corrective Measures Study & Feasibility Study Report(s) and Proposed Corrective Action Decision(s)/Proposed Plan(s) for the 200-EA-1 and 200-IS-1 OUs (Central Plateau 200 East Inner Area) to Ecology.	12/31/2016
M-015-93B	Submit RCRA Facility Investigation/Corrective Measures Study & Remedial Investigation/Feasibility Study Report and Proposed Corrective Action Decision/Proposed Plan for the 200-SW-2 OU to Ecology.	12/31/2016
M-015-110B	Submit Corrective Measures Study & Feasibility Study Report and Proposed Plan/Proposed Corrective Action Decision for the 200-DV-1 OU to Ecology.	09/30/2015
M-015-112 Lead Agency: Ecology	Submit Draft B, <i>200-IS-1 Operable Unit Pipeline System Waste Sites RFI/CMS/RI/FS Work Plan</i> to Ecology, including a schedule of completion dates for major tasks and deliverables.	02/28/2014

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<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-016-00	<p>Complete remedial actions for all non-tank farm and non-canyon operable units.</p> <p>Note: See operable unit LRA designation listing in Appendix C. It is assumed that the Record of Decision will be signed 6 months after the public comment period closes on the proposed plan. Per Action Plan Section 11.6 a day-for-day slip in the RD/RA Work Plan due date will be given for each day the remedy decision is not issued past the 6 month date. The document review, comment and approval process prescribed in the Action Plan of the HFFACO Section 9 will be followed.</p> <p>The schedule for completion of the construction of the remedy will reflect the scope and complexity of the selected remedial action. The schedule for remedial action implementation will be established upon regulatory agency approval of the RD/RA Work Plans and is enforceable as a HFFACO requirement.</p>	09/30/2024
M-016-00A Lead Agency: Dual	<p>Complete all response actions for the 100 Areas units (except groundwater actions which are covered under Major Milestone M-016-00 and 100 K Area response actions addressed in M-016-00C) by the specified due date as approved in a Remedial Design/Remedial Action Work Plan.</p> <p>Completion of response actions is defined as the completion of the ROD or action memorandum requirements in accordance with an approved RD/RA work plan or removal action work plan and EPA and/or Ecology approval of waste site reclassification forms.</p>	03/31/2017
M-016-00B	<p>Complete all interim 300 Area remedial actions including the 618-10 and 618-11 burial grounds but not including sites associated with retained 300 Area facilities and the utility corridors. Completion of interim remedial actions for waste sites associated with the retained 300 Area facilities and their utilities are subject to approved Remedial Design/Remedial Action Work Plans.</p> <p>Completion of all interim remedial actions is defined as the completion of the interim ROD requirements in accordance with an approved RD/RA Work Plan and obtain EPA approval of the appropriate project closeout documents. The disposition of impeding surplus facilities will be performed in accordance with Milestone M-094-00.</p>	09/30/2018
M-016-00C Lead Regulatory Agency: EPA	Complete all response actions for the 100 K Area.	09/30/2024
M-016-69	Complete all interim 300 Area remedial actions to include confirmatory sampling of all candidate sites listed in the 300-FF-2 ROD (except for 618-10 and 618-11 burial grounds). Completion of interim remedial actions for waste sites associated with the retained 300 Area facilities and utility corridors are subject to approved Remedial Design/Remedial Action Work Plans.	09/30/2015

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	Completion of all interim remedial actions is defined as the completion of the ROD requirements in accordance with an approved RD/RA Work Plan and obtains EPA approval of the appropriate project closeout documents. Completion of confirmatory sampling is defined as the completion of the sampling necessary to determine whether or not the waste site meets criteria for cleanup or can be closed out from the Waste Information Data System (WIDS) as defined in the RD/RA Work Plan. The disposition of impeding surplus facilities will be performed in accordance with Milestone M-094-00.	
M-016-110-T02	DOE shall take actions necessary to remediate hexavalent chromium groundwater plumes such that hexavalent chromium will meet drinking water standards in each of the 100 Area NPL operable units.	12/31/2020
M-016-110-T03	DOE shall take actions necessary to contain the Strontium-90 groundwater plume at the 100-NR-2 Operable Unit such that the default ambient water quality standard (8 pCi/L) for strontium-90 is achieved in the hyporheic zone and river water column.	12/31/2016
M-016-110-T04	DOE shall implement remedial actions selected in all 100 Area Records of Decision for Groundwater Operable Units so that no contamination above drinking water standards or ambient water quality standards enters the Columbia River unless otherwise specified in a CERCLA decision.	12/31/2016
M-016-110-T05	DOE will have a remedy in place designed to meet Federal Drinking Water Standards for uranium throughout the groundwater plume in the 300-FF-5 Operable Unit unless otherwise specified in a CERCLA decision document.	12/31/2015
M-016-119-T01	DOE will have a remedy in place to contain existing groundwater plumes (except iodine, nitrate, and tritium) in the 200 NPL Area (Central Plateau).	12/31/2020
M-016-125 Lead Agency: EPA	Submit a Remedial Design/Remedial Action Work Plan for 200-CW-5 and 200-PW-1/3/6 to EPA as described in Section 12.4 of the associated ROD.	09/30/2015
M-016-143 Lead Regulatory Agency: EPA	Complete the interim response actions for the 100 K Area within the perimeter boundary and to the river for Phase 2 actions. Phase 2 is defined in the 100 K Area RD/RA Work Plans.	09/30/2024
M-016-149 Lead Agency: EPA	Complete 100-IU-2/6 interim response actions for the following waste sites: 600-293, 600-294, 600-298, 600-299, 600-300, 600-301, 600-303, 600-305, 600-309, 600-310, 600-313, 600 316, 600-318, 600-319, 600-320, 600-321, 600-328, 600-329, 600-331, 600-332, 600-334, 600-326, 600-349, 600-358, 600-368, 600-369, 600-370, 600-	03/31/2016

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<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
	371, 600-372, 600-373, 600-374, 600-375, 600-376, 600-377, 600-378, 600-379.	
M-016-161 Lead Agency: Ecology	Complete 100-D and 100-H Area interim response actions for the following waste sites: 100-D-30, 100-D-31, 100-D-50 (except 100-D-50:2), 100-D-69, 100-D-72, 100-D-77, 100-D-83, 100-D-84, 100-D-85, 100-D-86, 100-D-97, 100-D-98:2, 100-D-99, 100-D-100, 100-D-103, 100-D-104, 100-D-105, 100-D-106, 100-H-28, 100-H-38, 100-H-42, 100-H-44, 100-H-46, 100-H-49, 100-H-51, 100-H-53, 100-H-56, 100-H-59, and 600-385, including revegetation of 100-D and 100H wastes sites. Complete the decommissioning of the in-situ redox manipulation pond (147-D), a surface impoundment constructed as part of the 100-HR-3 Operable Unit interim remedial action.	03/31/2016
M-016-164 Lead Agency: Ecology	Complete 100-N interim response actions by performing remediation of the following waste sites: 100-N-28, 100-N-35, 100-N-53, 100-N-54, 100-N-55, 100-N-62, 100-N-68, 100-N-81, 100-N-82, 100-N-83, 100-N-84, 100-N-86, 100-N-87, 100-N-88, 100-N-89, 100-N-90, 100-N-91, 100-N-92, 100-N-93, 100-N-94, 100-N-95, 100-N-96, 100-N-97, 100-N-98, 100-N-99, 100-N-100, 100-N-101, 100-N-102, 100-N-103, 120-N-4, 130-N-1, 600-340, 628-2, UPR-100-N-18, UPR-100-N-20, UPR-100-N 24, including backfill and revegetation of the M-016-163 sites. Close the 100-N Ancillary Facilities Area of Contamination in accordance with the Removal Action Work Plan for 100-N Area Ancillary Facilities.	03/31/2017
M-016-173 Lead Regulatory Agency: EPA	Select K Basin sludge treatment and packaging technology and propose new interim sludge treatment and packaging milestones.	09/30/2022
M-016-175 Lead Regulatory Agency: EPA	Begin sludge removal from 105-KW Fuel Storage Basin.	09/30/2018
M-016-176 Lead Regulatory Agency: EPA	Complete sludge removal from 105-KW Fuel Storage Basin.	12/31/2019
M-016-177 Lead Regulatory Agency: EPA	Complete 105-KW sludge transfer equipment installation.	09/30/2017
M-016-178 Lead Regulatory Agency: EPA	Initiate deactivation of 105-KW Fuel Storage Basin.	12/31/2019

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<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-016-181 Lead Regulatory Agency: EPA	Complete deactivation, demolition & removal of 105-KW Fuel Storage Basin.	09/30/2023
M-016-186 Lead Regulatory Agency: EPA	Initiate soil remediation under 105-KW Fuel Storage Basin.	12/31/2023
M-016-190 Lead Regulatory Agency: EPA	Complete the installation of extraction and injection wells for the U Plant area pump & treat system for uranium and technetium-99, and the iodine-129 hydraulic containment system as defined in the 200-UP-1 RD/RA WP.	12/29/2015
M-016-191 Lead Agency: EPA	Complete acceptance test procedures and operational test procedures and initiate startup operations for the U Plant area pump & treat system for uranium and technetium-99, and the iodine-129 hydraulic containment system.	03/30/2016
M-016-192 Lead Agency: EPA	Submit I-129 Technology Evaluation Plan Draft A to EPA as defined in the 200-UP-1 RD/RA WP.	06/17/2016
M-016-193 Lead Agency: EPA	Complete the remedial design investigation of the southeast chromium plume, including the installation of new wells and evaluation of groundwater monitoring data and install monitoring wells needed for remedy performance monitoring as defined in the 200-UP-1 RD/RA WP.	09/30/2017
M-016-200A	Complete U Plant canyon (221 U Facility) demolition in accordance with the Remedial Design/Remedial Action Work Plan.	09/30/2017
M-016-200B	Complete U Plant (221 U Facility) barrier construction in accordance with the Remedial Design/Remedial Action Work Plan.	09/30/2021
M-024-000 Lead Agency: Ecology	Complete required well installations in accordance with the RCRA and CERCLA groundwater requirements. The M-24 Milestone Series will be closed when the Parties agree that sufficient RCRA and CERCLA groundwater wells are in place and operating to comply with RCRA and CERCLA requirements for groundwater monitoring, groundwater protection, and groundwater remediation.	To Be Determined
M-024-58 Lead Agency: Ecology	Initiate discussions of well commitments to reaffirm the selected wells and recommend any new well installations needed to maintain a three-year rolling prioritized drilling schedule consistent with site-wide clean-up priorities. The following text applies to all M-024 well construction milestones. Since all wells are drilled in CERCLA or RCRA past practice Operable Units, the parties agreed that the most effective and efficient method of	June 1, 2008 And Annually Thereafter

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<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
	<p>managing wastes from all Hanford well development drilling would be to dispose of the waste in the Hanford environmental restoration disposal facility (ERDF). This workscope would be conducted under the M-024 series milestones.</p> <p>The integration and coordination of all well drilling under the revised Tri-Party Agreement M-024 milestone series will assure CERCLA needs are incorporated into the overall drilling campaign. In addition, the parties reaffirmed their commitment to Section 5.5 of the Tri-Party Agreement Action Plan, the need to coordinate the application of regulatory requirements, and that past-practice authority may provide the most efficient means for addressing mixed-waste groundwater contamination plumes originating from a combination of TSD and past-practice units.</p> <p>In order to ensure that TSD units within the operable units are brought into compliance with RCRA and state hazardous waste regulations, the State of Washington Department of Ecology (Ecology) intends, subject to part four of the Tri-Party Agreement, that all response or corrective actions, excluding situations where there is an imminent threat to the public health or environment as described in Section 7.2.3, will be conducted in a manner which ensures compliance with the technical requirements of the Hazardous Waste Management Act (HWMA) Chapter 70.105 RCW and implementing regulations. Notwithstanding this operating assumption, Ecology reserves the right to exercise its authority under the HWMA and the Hanford Sitewide RCRA Permit, Condition II.Y to require groundwater response actions consistent with WAC 173-303-645 and/or 173-303-646. The management of purgewater and investigation derived wastes from existing wells and wells under the M-024 Tri-Party Agreement milestones (including treatment, storage, and disposal unit wells), will be managed as CERCLA wastes in accordance with a CERCLA decision document, sampling and analysis plan, or waste control plan. Non-liquids will be disposed at ERDF as long as the wastes meet ERDF disposal acceptance criteria. Purgewater will be stored and/or treated at the 200 Area Effluent Treatment Facility or the 600 Area Purgewater Storage and Treatment Facility, unless the lead regulatory agency approves a discharge request for return to the environment.</p> <p>(This milestone series will continue on a yearly basis until such time that the Parties agree that sufficient RCRA and CERCLA groundwater wells are in place and operating to comply with RCRA and CERCLA requirements for groundwater monitoring, groundwater protection, and groundwater remediation.)</p> <p>These milestones do not preclude or foreclose the imposition of additional groundwater well installations pursuant to RCRA permits or work plans and/or CERCLA workplans. Additional work or modification to work shall be in accordance with the provisions of Article XXX of the Agreement.</p>	

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M-024-66 Lead Agency: Ecology	DOE shall complete the construction of all wells listed for calendar year 2015 and before, as identified in Attachment 1 of TPA change package M-24-12-01. The well listing can be modified with agreement of the Parties at the Project Manager level. <i>(Note: Refer to M-024-65 for additional text that applies to this milestone.)</i>	12/31/2015
M-024-67 Lead Agency: Ecology	DOE shall complete the construction of all wells listed for calendar year 2016 and before, as identified in Attachment 1 of TPA change package M-24-13-01. The well listing can be modified with agreement of the Parties at the Project Manager level. <i>(Note: Refer to M-024-65 for additional text that applies to this milestone.)</i>	12/31/2016
M-024-67-T01 Lead Agency: Ecology	Conclude discussions of well commitments initiated under M-024-58 and add a new interim M-024 milestone commitment for December 31, 2019 to incorporate new well installations needed to maintain a three-year rolling prioritized drilling schedule.	08/01/2016
M-024-68 Lead Agency: Ecology	DOE shall complete the construction of all wells listed for calendar year 2017 and before, as identified in Attachment 1 of TPA change package M-24-14-01. This milestone series will continue on a yearly basis until such time that the Parties agree that sufficient RCRA and CERCLA groundwater wells are in place and operating to comply with RCRA and CERCLA requirements for groundwater monitoring, groundwater protection, and groundwater remediation. These milestones do not preclude or foreclose the imposition of additional groundwater well installations pursuant to RCRA permits or work plans and/or CERCLA workplans. Additional work or modification to work shall be in accordance with the provisions of Article XXX of the Agreement.	12/31/2017
M-024-68-T01 Lead Regulatory Agency: Ecology	Conclude discussions of well commitments initiated under M-024-58.	08/01/2017

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<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-024-69 Lead Regulatory Agency: Ecology	<p>DOE shall complete the construction of all wells listed for calendar year 2018 and before, as identified in TPA change package M-24-15-01.</p> <p>This milestone series will continue on a yearly basis until such time that the Parties agree that sufficient RCRA and CERCLA groundwater wells are in place and operating to comply with RCRA and CERCLA requirements for groundwater monitoring, groundwater protection, and groundwater remediation.</p> <p>These milestones do not preclude or foreclose the imposition of additional groundwater well installations pursuant to RCRA permits or work plans and/or CERCLA workplans. Additional work or modification to work shall be in accordance with the provisions of Article XXX of the Agreement.</p>	12/31/2018
M-024-69-T01 Lead Regulatory Agency: Ecology	Conclude discussions of well commitments initiated under M-024-58.	08/01/2018
M-026-01Z, AB And Intervening Years	<p>Submit an annual Hanford Land Disposal Restrictions (LDR) Summary Report in accordance with the Agreement requirements to cover the period from 1/1 of the previous year through 12/31 of the reporting year. The Hanford Land Disposal Restrictions Summary report will contain the following elements:</p> <ul style="list-style-type: none"> • Section 1.0 Introduction • Section 1.1 CY 20XX LDR Summary Report Overview (where XX will be the reporting year) • Section 1.2: Summary Inventory Of Waste Treatment Groups and Forecast Generation Rates • Section 1.3, Potential Mixed Waste • Section 2.0: Assessments Of Mixed Waste Storage Areas And Potential Mixed Waste • Section 2.1: Introduction • Section 2.2: Assessment Schedules • Section 3.0: Summary Of Characterization Information • Section 4.0: Summary Of Treatment Information • Section 5.0: Storage Volume And Container Numbers For Selected Storage Locations • Section 6.0: References • Table 1-1: Stored Volumes Of Mixed Waste and Generation Projections • Table 1-2: Treatability Group Summary Of Storage, Characterization, and Treatment Activities • Table 1-3: Explanation Of Table 1-4, Potential Mixed Waste • Table 1-4: Potential Mixed Waste • Table 1-5: Historical List Of Materials Deleted From Potential Mixed Waste Table • Table 2-1: Summary Of DOE-RL Assessment Results 	04/30/2016 2017 And Intervening Years Between Full Reports

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<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
	<ul style="list-style-type: none"> • Table 2-2: DOE-RL Assessments For Calendar Years 2005 Through 2007 (updated for next three years until no assessments are scheduled) • Table 2-3: Summary Of DOE-RL Assessment Results • Table 3-1: Summary Of Characterization Information For Each Treatability Group • Table 4-1: Summary Of Treatment Information For Each Treatability Group • Table 5-1: Storage Volume And Number Of Containers For Selected Hanford Locations <p>Table 5-1 will contain the storage volume and the number of containers reported for the following Hanford Site locations: CWC, LLBG, WRAP, PFP, T Plant Complex, WSCF, 325 HWTU, 324, 327, 200 ETF, and 222-S.</p> <p>NOTE: The list for Table 5-1 may change periodically. The change will be made via approval of the applicable Project Managers Meeting minutes documented and approved on or before 11/30 of each year. If no changes to the list are indicated, the list will remain unchanged.</p>	
M-026-01AD	<p>Submit an annual Hanford Land Disposal Restrictions Report in accordance with agreement requirements to cover the period from 1/1 of the previous year through 12/31 of the reporting year.</p> <p>DOE’s annual Hanford Land Disposal Restrictions Report: 1) Will be equivalent to (i.e. shall meet all substantive requirements of) site treatment plans as required by the Federal Facility Compliance Act of 1992 (FFCA) and 2) will meet all requirements of Ecology’s Final Determination in this matter dated March 29, 2000.</p> <p>The Report shall include a description of activities planned and taken in accordance with agreement requirements and prior annual LDR reports to achieve full compliance with agreement and LRD requirements. The Report shall update all information contained in the LDR plan, the Hanford LDR Summary Reports, and the prior annual LDR report, including plans and schedules.</p> <p>The format for the Report shall be based on equivalency with site treatment plan requirements of the FFCA, Ecology’s final determination in this matter dated March 29, 2000, and the “Requirements For Hanford LDR Plan,” issued by EPA and Ecology on April 10, 1990. Additionally, the report shall describe any other studies or effort that have been or will be undertaken to identify alternatives to land disposal of mixed wastes. The nonradioactive portion of any mixed wastes that are regulated under Washington State-only regulations shall be addressed in the Report. The Report shall be submitted as a primary document.</p>	4/30/2020 And Every Five Years Thereafter

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<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
	<p>The report shall document agreement major and interim Milestones for achieving compliance with LDR treatment requirements at TSD mixed waste units by: 1) Identifying and reporting progress against agreement milestones and 2) proposing the establishment of Milestones in the instance of TSD mixed wastes not yet covered under the agreement and for the modification of current HFFACO schedules as necessary to achieve compliance with LDR treatment requirements in a manner equivalent to STPS as required by the FFCA. These Milestones shall be based on significant events identified in the LDR Report (i.e. schedules equivalent to those of site treatment plans as required by the FFCA) and will be shown as schedules which are updated annually as part of the Report. Appropriate Milestones will be incorporated in the agreement via the change process defined in Section 12 of the Action Plan upon issuance of the approved Reports.</p>	
M-026-07C	<p>Submit to EPA and Ecology an evaluation of development status of tritium treatment technology that would be pertinent to the cleanup and management of Tritiated Waste Water (e.g., the 242-A Evaporator Process Condensate Liquid Effluent) and tritium contaminated groundwater at the Hanford site.</p>	03/31/2014 And Every Five Years Thereafter
M-035-00 Lead Agency: Dual	<p>Complete data management enhancements as negotiated and approved in M-35-00 interim milestones.</p>	To Be Determined
M-035-09J	<p>Conduct biennial assessments of information and data access needs with EPA and Ecology. DOE will propose implementation schedules (TPA Milestones) for enhancements as a result of the biennial assessments. 3/31/98 (and biennially thereafter).</p>	03/31/2016
M-036-01A (Subsequent Annual Milestones to be Lettered B, C, D, etc.)	<p>The USDOE shall prepare and submit to EPA and Ecology a report setting out the Lifecycle Scope, Schedule and Cost for completion of the Hanford Site Cleanup Mission. The report shall reflect all of those actions necessary for the USDOE to fully meet all applicable Environmental obligations including those under the HFFACO, the Consent Decree in <i>Washington v. DOE</i>, Case No. 08-5085-FVS, and the Hanford RCRA/HWMA Permit. The report shall include scope, schedule and cost for completing work at each of the operable units and RCRA TSD groups/units that are listed in Appendixes B and C of the HFFACO, in the Consent Decree in <i>Washington v. DOE</i>, Case TPA No. 08-5085-FVS, and in the Hanford RCRA/HWMA Permit, including the Hanford Waste Treatment and Immobilization Plant. The report will include all other cleanup and monitoring activities (including post-closure activities) and all related actions necessary to complete the cleanup mission to provide a complete understanding of the resources necessary for the Hanford cleanup mission.</p> <p>This report shall take into account circumstances existing as of the end of the fiscal year preceding the month of the report, including funds</p>	Due Date To Submit The Report To Be January 31 and Annually Thereafter, Except That The First Report To Be Due No Sooner Than 9 Months After Incorporation Of This Milestone In TPA

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	<p>appropriated by Congress for the Hanford cleanup, but shall not assume any limitation on funding for future years. However, the report will take into consideration critical resource availability not based upon assumed future funding limitations and the practical limits of project acceleration when developing an executable plan. USDOE may also include costs other than those directly related to environmental obligations (such as security costs) but shall clearly distinguish expenditures for environmental obligations from other expenditures. Costs shall be displayed by program baseline summary. Additional levels of detail will appear in appendixes to the report. Cost information will provide sufficient detail to validate consistency with the scope and schedule for individual cleanup projects. Reporting in the appendixes will typically be one level below the PBS for the lifecycle, and at levels below that for the next two to five years beyond the execution year (usually at the activity level within the budget assigned to a specific project, e.g., RI-0011, WBS Element 011.04.01, nuclear material stabilization and disposition - PFP, disposition PFP, transition 234-5Z). EPA and Ecology project managers may request additional levels of detail be provided by their DOE counterparts.</p> <p>In circumstances where final cleanup decisions have not yet been made, the report shall be based upon the reasonable upper bound of the range of plausible alternatives or may set forth a range of alternative costs including such a reasonable upper bound. In making assumptions for the purpose of preparing the initial report, USDOE shall take into account the views of EPA and Ecology and shall also take into account the values expressed by the affected Tribal governments and Hanford stakeholders regarding workscope, priorities and schedule. The report shall include the scope, schedule and costs for each such PBS level two element and shall set forth the bases and assumptions for each cleanup activity.</p> <p>After USDOE submits the report, the USDOE will revise the report based upon EPA and Ecology comments to reflect a common vision of the scope, schedule and budget for the remainder of the cleanup mission. If the agencies are unable to reach resolution on specific aspects of the scope of cleanup actions, the revised document will present a range of potential actions with the associated schedule and budget, thereby completing the milestone. DOE, EPA and Ecology shall attempt to reach agreement on the report so it can serve as an agreed upon foundation for preparing budget requests and for informational briefings of affected Tribal governments and Hanford stakeholders. The report shall also serve as the basis for annual discussions among USDOE, EPA and Ecology on how and when the USDOE will complete cleanup, how Congressional appropriations for the Hanford site for that year may affect assumptions presented in the report, and how milestone changes and adjustments will affect lifecycle scope, schedule and cost.</p> <p>Without limiting any DOE obligation under any other provisions of this</p>	

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	agreement, and without limiting any DOE obligation to disclose information that is otherwise publicly available, nothing in this milestone shall be construed, either alone or in combination with any other provision of the HFFACO, to require disclosures related to internal federal budget deliberations.	
M-037-10	Complete Unit-Specific Closure Requirements According To The Closure Plan(s) For seven (7) TSD Units: 207-A South Retention Basin, 216-A-29 Ditch, 216-A-36B Crib, 216-A-37-1 Crib, 216-B- 63 Trench, Hexone Storage and Treatment Facility (276-S-141/142), and 241-CX Tank System (241-CX-70/71/72).	09/30/2020
M-037-11	Complete unit-specific closure requirements for two (2) TSD Units: 216-B-3 Main Pond system and 216-S-10 Pond and Ditch.	09/30/2016
M-42-00A Lead Agency: Ecology	Complete the closure of all DST Tank Farms.	TBD, Based Upon Completion of Retrieval Under M-62-45 Plus 5 Years But No Later Than 9/30/2052

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<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
<p>M-045-00 Lead Agency: Ecology</p>	<p>Complete the closure of all Single Shell Tank Farms.</p> <p>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, or group of tanks, basis. Procedures for modifying the retrieval criteria listed above and for processing requests for exceptions to the criteria are outlined in Appendix H to the Agreement.</p> <p>For the purposes of this Agreement all units located within the boundary of each tank farm will be closed in accordance with WAC 173-303-610. This includes contaminated soil and ancillary equipment that were previously designated as RCRA past practice units. Adopting this approach will ensure efficient use of funding and will reduce potential duplication of effort via application of different regulatory requirements: WAC 173-303-610 for closure of the TSD units and RCRA Section 3004(U) for remediation of RCRA past practice units.</p> <p>All Parties recognize that the reclassification of previously identified RCRA past practice units to ancillary equipment associated with the TSD unit is strictly for application of a consistent closure approach. Upgrades to previously classified RCRA past practice units to achieve compliance with RCRA or dangerous waste interim status technical standards for tank systems (i.e., secondary containment, integrity assessments, etc.) will not be mandated as a result of this action. However, any equipment modified or replaced will meet interim status standards. In evaluating closure options for Single-Shell Tanks, contaminated soil, and ancillary equipment, Ecology and EPA will consider cost, technical practicability, and potential exposure to radiation. Closure of all units within the boundary of a given tank farm will be addressed in a closure plan for the Single-Shell Tanks.</p> <p>Compliance with the work schedules set forth in this milestone series is defined as the performance of sufficient work to assure with reasonable certainty that DOE will accomplish series major and interim milestone requirements.</p> <p>DOE internal work schedules (e.g., DOE approved schedule baselines) and associated work directives and authorizations shall be consistent with the requirements of this Agreement. Modification of DOE contractor baseline(s) and issuance of associated DOE work directives and/or authorizations that are not consistent with Agreement requirements shall not be finalized prior to approval of an Agreement</p>	<p>01/31/2043</p>

Appendix D. Milestones and Target Dates Including Designation of Lead Regulatory Agency

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
	<p>change request submitted pursuant to Agreement Action Plan Section 12.0.</p> <p>All work under this milestone series shall be conducted in compliance with Agreement requirements including but not limited to the Parties' Agreement Appendix I, "Single-Shell Tank System Waste Retrieval and Closure Process", provided that Section 2.1, Tank Waste Retrieval, of Appendix I of the HFFACO shall not apply to the 19 SSTs covered by the Consent Decree in Washington V. DOE, CASE No. 08-5085-FVS, except as set forth in Appendix C, Part 3, A.1 and A.2 of such Decree.</p>	
M-045-13	<p>Interim completion of Tank S-112 SST Waste Retrieval and Closure Demonstration Project.</p> <p>The S-112 SST Waste Retrieval and Closure Demonstration Project will be considered interim complete when the following criteria have been met:</p> <ol style="list-style-type: none"> 1. Full scale waste retrieval has been completed in accordance with applicable regulatory requirements including Washington's Hazardous Waste Management Act, requirements set by this Agreement, and the approved S-112 saltcake waste retrieval technology functions and requirements document (DOE will submit a retrieval data report pursuant to Agreement Appendix I) by December 31, 2007. 2. Complete negotiations for interim milestones for closure of S-112 (including a schedule for submittal of closure plans and risk assessments and final closure dates) in accordance with Milestones M-045-84 or M-045-85. 	To Be Determined In Accordance With Milestones M-045-84 Or M-045-85
M-045-15	<p>Completion of Tank A-103 SST Waste Retrieval Project.</p> <p>The A-103 SST Waste Retrieval Project will be considered complete when the following criteria have been met:</p> <ol style="list-style-type: none"> 1. Full scale waste retrieval has been completed in accordance with applicable regulatory requirements including Washington's Hazardous Waste Management Act, requirements set by this Agreement, and the approved A-103 Tank Waste Retrieval Work Plan. (DOE will submit a retrieval data report pursuant to Agreement Appendix I). 2. If appropriate, DOE will submit per agreement Appendix I, a request for an exception to waste retrieval criteria pursuant to Agreement Appendix H. 	09/30/2022
M-045-56	Complete implementation of agreed-to interim measures.	To Be Determined

Appendix D. Milestones and Target Dates Including Designation of Lead Regulatory Agency

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
	<p>Specific interim measures will be implemented pursuant to Agreement commitments (e.g., see interim Milestone M-45-57). Interim measures may also be required by Ecology, proposed by DOE in the SST WMA RFI report (M-45-55) (or engineering studies including that addressed in target Milestone M-45-56-T01), or established by Agreement of the Parties at any time during the corrective action process. Also see table 1 of Agreement change control form M-45-98-03.</p> <p>Ecology and DOE agree, at a minimum, to meet yearly (by July or as needed to support annual budgeting) for the specific purpose of assessing the adequacy of information, and the need for the establishment of additional Agreement interim measures. Additional Agreement interim measures shall be documented through establishment of interim milestones and associated target dates as agreed necessary by the Parties.</p>	
M-045-59	<p>Control surface water infiltration pathways as needed to control or significantly reduce the likelihood of migration of subsurface contamination to groundwater at the SST WMAs (pending the CMS report, Milestone M-45-58, and implementation of other interim corrective measures.</p> <p>Decisions on controlling surface water infiltration pathways will be made by evaluating the role of surface water infiltration and the transport of subsurface contamination to groundwater. Based on the corrective measures study (M-45-58) interim surface barriers and/or other infiltration controls may be required.</p>	To Be Determined
M-045-61A	Submit to Ecology for review and approval as an Agreement primary document, a Phase 2 Corrective Measures Study, and revision 0 update to the RFI Report for WMA C.	12/31/2016
M-045-62	Submit to Ecology for review and approval as an Agreement primary document a Phase 2 Corrective Measures Implementation Work Plan (CMIP) for WMA C.	Six (6) months after the approval of the CMS submitted under milestone M-045-61A.
M-045-70 Lead Agency: Ecology	<p>Complete waste retrieval from all remaining single-shell tanks. Retrieval standards and completion definitions are provided in milestone M-045-00.</p> <p>The schedule reflects retrieval activities on a farm-by-farm basis. It also allows flexibility to retrieve tanks from various farms if desired to support safety issue resolution, pretreatment or disposal feed requirements, or other priorities.</p>	12/31/2040 Or Earlier As Established By M-62-45

Appendix D. Milestones and Target Dates Including Designation of Lead Regulatory Agency

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-045-82 Lead Agency: Ecology	Submit complete permit modification requests for Tiers 1, 2, & 3 (see Appendix I) of the SST System, to support final closure requirements for WMA C.	09/30/2015
M-045-83 Lead Agency: Ecology	Complete the Closure of WMA C. The milestone date assumes Ecology will issue a final permit modification decision within 12 months of receiving DOE's modification request under M-045-82. If Ecology does not issue a final permit modification decision within 12 months of receiving DOE's modification request under M-045-82, the milestone date will be extended on a day-for-day basis for each day beyond the 12 month period until a final permit modification decision is issued.	06/30/2019
M-045-84 Lead Agency: Ecology	Complete negotiations of HFFACO interim milestones for closure of the second Single Shell Tank WMA (including a schedule for submittal of closure plans, a RCRA Phase 2 Facility Investigation/Corrective Measures Study [RFI/CMS], a Corrective Measures Implementation Plan, risk assessments and final closure dates).	01/31/2017
M-045-85 Lead Agency: Ecology	Complete negotiations of HFFACO interim milestones for closure of the remaining Single-Shell Tank (SST) WMAs (including a schedule for 200 West Area SST WMA closures, the submittal of closure plans, RCRA Phase 2 Facility Investigation/Corrective Measures Studies [RFI/CMS], Corrective Measures Implementation Plans, risk assessments and final closure dates for each SST WMA).	01/31/2022
M-045-86 Lead Agency: Ecology	Submit a retrieval data report to Ecology for the 19 tanks retrieved under the Consent Decree in <i>Washington v. DOE</i> , Case No. 08-5085-FVS, which report shall include the following elements only of Section 2.1.7 of Appendix I to the HFFACO: <ol style="list-style-type: none"> 1) Residual tank waste volume measurement, including associated calculations; 2) The results of residual tank waste characterization; 3) Retrieval technology performance documentation; 4) DOE's updated post-retrieval risk assessment; 5) Opportunities and actions being taken to refine or develop tank waste retrieval technologies, based on lessons learned and, 6) LDMM monitoring and performance results. 	12 Months After DOE Certifies To Ecology That DOE Has Completed Retrieval Of Each Tank
M-045-91E1	DOE shall provide to Ecology a compilation of the Single-Shell Tank farms dome deflection surveys every two years, beginning 9/30/2013.	09/30/2015

Appendix D. Milestones and Target Dates Including Designation of Lead Regulatory Agency

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-045-91I	DOE shall provide, to Ecology, an IQRPE certification of SSTs structural integrity for the remainder of the mission, or for such time as the IQRPE believes he/she can reasonably certify. The analysis supporting the certification shall be performed in accordance with the requirements identified for analysis in WAC 173-303-640(2) and will include a due diligence review of RPP-10435. IQRPE certification of the SST leak integrity is not required. A work plan and schedule for additional integrity assessment activities will be submitted as a change package to cover any time period between the end date of the IQRPE certification and the end date of the mission.	09/30/2018
M-045-92 Lead Agency: Ecology	<p>After the determination identified in Milestone M-045-22, complete installation of four (4) additional interim barriers, according to the following schedule (unless Ecology and USDOE have determined to continue vadose zone testing and DOE has submitted a change request for M-045-92):</p> <ul style="list-style-type: none"> • by October 31, 2015, construct barriers 1 and 2 in 241-SX farm, per the design and monitoring plans already approved by Ecology under milestones M-045-92. <p>Construct the remaining two (2) barriers per the following revised schedule:</p> <ul style="list-style-type: none"> • Barrier 3 Design/Monitoring Plan 06/30/15 • Construct Barrier 3 10/31/16 • Barrier 4 Design/Monitoring Plan 06/30/16 • Construct Barrier 4 10/31/17 <p>The design and monitoring plans will be consistent with those developed for WMA T and TY unless DOE and Ecology agree otherwise. Ecology will authorize construction upon approval of the final design and monitoring plans.</p>	10/31/2017 Or As Indicated In the Descriptive Text Of This Milestone
M-047-00	Complete work necessary to provide facilities for management of secondary waste from the WTP (e.g., tank waste treatment facility liquid effluents). Compliance with the work schedules set forth in this M-47 series is defined as the performance of sufficient work to assure with reasonable certainty that DOE will accomplish series M-47 major and interim milestone requirements. DOE internal work schedules (i.e., DOE approved schedule baselines) and associated work directives and authorizations shall be consistent with the requirements of this Agreement. Modification of DOE contractor baseline(s) and issuance of associated DOE work directives and/or authorizations that are not consistent with Agreement requirements shall not be finalized prior to approval of an Agreement change request submitted pursuant to Agreement Action Plan Section 12.0.	The Date That The WTP Achieves Initial Plant Operations
M-047-07	Submit to Ecology, a Conceptual Design Report package (Critical	03/31/2016

Appendix D. Milestones and Target Dates Including Designation of Lead Regulatory Agency

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
	<p>Decision-1) for the Secondary Liquid Waste Treatment Project and a TPA Change Request (in accordance with TPA Action Plan Section 12.0) to submit to Ecology, a Preliminary Design Report package (Critical Decision-2).</p> <p>The Conceptual Design Report package shall include the system specification outline, preliminary drawings, the preliminary hazard analysis, preliminary cost estimate, site development plan, and preliminary schedule for the design, construction, and operation of the facility. These documents are consistent with the requirements of DOE Order 413.3B, "Program and Project Management for the Acquisition of Capital Assets."</p> <p><i>The preliminary schedule for the design, construction and operation of the facility referred to in the paragraph above shall not be enforceable.</i></p>	
M-062-00	<p>Complete pretreatment processing and vitrification of Hanford High Level (HLW) and Low activity (LAW) Tank Wastes.</p> <p>Compliance with the work schedules set forth in this milestone series is defined as the performance of sufficient work to assure with reasonable certainty that DOE will accomplish series major and interim milestone requirements.</p> <p>DOE internal work schedules (e.g., DOE approved schedule baselines) and associated work directives and authorizations for this milestone series shall be consistent with the requirements of this Agreement. Modification of DOE contractor baseline(s) and issuance of associated DOE work directives and/or authorizations that are not consistent with Agreement requirements shall not be finalized prior to approval of an Agreement change request submitted pursuant to Agreement Action Plan Section 12.0.</p>	12/31/2047 Or Earlier As Established By M-062-45
M-062-01W And Beyond	<p>Submit Semi-Annual Project Compliance Report</p> <p>DOE's manager, Office of River Protection (ORP), will submit a "<u>Project Compliance Report</u>" to Ecology semi-annually (a copy of this report will also be provided to EPA's region 10 Office of Waste and Chemicals Management). This report will document DOE compliance with Agreement requirements and shall be sequentially updated by information documenting work performed and issues encountered during the previous report period. The ORP Project Compliance Report will be provided as part of the Parties' Inter Agency Management Integration Team (IAMIT) meetings, and shall document the status of progress to date, progress made during the report period, and activities expected in the foreseeable future. The report will include but is not limited to: (1) a concise description of project accomplishments and issues including those encountered during the previous year and those expected in the near term, (2) when applicable, a description of actions</p>	07/31/2011 Semi- Annually Beginning July 31, 2001

Appendix D. Milestones and Target Dates Including Designation of Lead Regulatory Agency

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
	initiated or otherwise taken to recover any Agreement schedule slippage, (3) a budget and cost status, (4) a statement documenting whether or not DOE and DOE's contractor(s) remain in compliance with Agreement requirements, i.e., whether or not "DOE and DOE contractor(s) have completed sufficient work to allow achievement of Agreement requirements," and (5) concise descriptions of any noncompliance. Copies of all pertinent DOE work directives and/or authorizations issued to DOE's contractor(s) shall be provided on request.	
M-062-21 Lead Agency: Ecology	On an annual basis, submit data, whose accuracy is certified in accordance with WAC 173-303-810(13), and which demonstrates on a rolling three year average, operation of WTP, and any supplemental treatment if needed, at a rate sufficient to accomplish treatment of all Hanford tank waste in accordance with the date required by milestone M-062-00, taking into account that treatment rates are expected to vary based upon a number of factors, including the character of the waste treated, or alternatively describe plans to increase the rate beyond that previously anticipated in order to achieve treatment of all Hanford tank waste by the M-062-00 milestone date.	02/28/2023 And Annually Thereafter
M-062-31-T01 Lead Agency: Ecology	Complete Final Design and Submit a complete RCRA Part B Permit Modification request for Enhanced WTP and/or Supplemental Vitrification Treatment Facility based on the M-062-45 decision.	12 Months After M-062- 45 Item #3 Decision On Supplemental Treatment
M-062-32-T01 See * in M-062-45 Lead Agency: Ecology	Start construction of Supplemental Vitrification Treatment Facility and/or WTP Enhancements.	36 Months After M-062- 45 Item #3 Decision On Supplemental Treatment, Provided That Ecology Has Issued A Final Permit Modification At Least Twelve (12) Months Earlier
M-062-33-T01 See * in M-062-45 Lead Agency: Ecology	Complete construction of Supplemental Treatment Vitrification Facility and/or WTP Enhancements.	72 Months After M-062- 45 Item #3 Decision On Supplemental

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<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
		Treatment
M-062-34-T01 See * in M-062-45 Lead Agency: Ecology	Complete Hot Commissioning of Supplemental Treatment Vitrification Facility and/or WTP Enhancements.	92 Months After M-062-45 Item #3 Decision On Supplemental Treatment
M-062-40 Lead Agency: Ecology	<p>Submit a System Plan to Ecology describing the disposition of all tank waste managed by the Office of River Protection, including the retrieval of all tanks not addressed by the Consent Decree in <i>Washington v. DOE</i>, Case No. 08-5085-FVS, and the completion of the treatment mission.</p> <p>The Plan will be updated and submitted to Ecology every three years to document any further optimization of retrieval and waste treatment capabilities to, in the case of SST retrievals, complete such retrievals as quickly as is technically feasible (but not later than the date established in milestone M-045-70), and, in the case of tank waste treatment, complete such treatment as quickly as is technically feasible (but not later than the date established in milestone M-062-00), both with and without consideration of (i) whether such further optimization would be excessively difficult or expensive within the context of such activities and (ii) any impact on the overall cleanup mission.</p> <p>One year prior to the issuance of the System Plan, DOE and Ecology will each select the scenarios (including underlying common and scenario-specific assumptions) that will be analyzed in the System Plan, with DOE and Ecology each having the right to select a minimum of three scenarios each.</p> <p>Note: Per TPA Change Request M-62-13-02, Selection of Scenarios due on October 31, 2013 is deferred to December 15, 2013.</p> <p>The Plan will include the following elements:</p> <p><u>OVERALL MINIMUM REQUIREMENTS</u></p> <p>The Plan will present the following minimum information for each scenario evaluated:</p> <ul style="list-style-type: none"> • A system description for each system utilized in the planning • Planning bases for each case • A description of key issues, assumptions, and vulnerabilities for each scenario evaluated; a description of how such issues, assumptions and vulnerabilities are addressed in the evaluation. 	<p>Starting October 31, 2010 and Every Three Years Thereafter, Ecology and DOE Will Each Have The Right To Select A Minimum of Three Scenarios That Will Be Analyzed In The System Plan.</p> <p>Beginning October 31, 2011, and Every Three Years Thereafter, Issue The System Plan</p>

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<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
	<ul style="list-style-type: none"> • Sensitivities analysis of selected key assumptions • Estimated schedule impacts of alternative cases relative to the baseline, including cost comparisons for a limited subset of scenarios that DOE and Ecology wish to analyze further. • Identification of new equipment, technology, or actions needed for the scenario (e.g., new evaporators or DSTs; new retrieval technologies; waste treatment enhancements or mitigations, such as sodium, sulfate, aluminum and chrome mitigation measures). • Identification of issues, techniques or technologies that need to be further evaluated or addressed in order to accelerate tank retrievals and tank waste treatment • Impacts on closure activities for each scenario. <p><u>TANK WASTE TREATMENT</u></p> <p>The Plan will evaluate scenarios and identify potential near and long-term actions to optimize tank waste treatment so that the treatment mission is completed as quickly as is technically feasible but not later than the date established in Milestone M-062-00, with and without consideration of (i) whether such further optimization would be excessively difficult or expensive within the context of such activities and (ii) any impact on the overall cleanup mission.</p> <p>The Plan will, at a minimum, describe how the tank waste treatment mission can:</p> <ul style="list-style-type: none"> • Pretreat 100% of the retrievable tank waste (at a rate sufficient to operate the HLW facility, LAW facility, and Supplemental Treatment system simultaneously at their estimated average production rates). • Vitrify 100% of the separated high-level waste stream at estimated average production rates. • Vitrify 100% of separated low-activity waste stream at estimated average production rates. • Appropriately manage secondary waste streams. <p>The Plan will take into account the results from testing of the Pretreatment Engineering Platform and other studies.</p> <p><u>SUPPLEMENTALTREATMENT</u></p>	

Appendix D. Milestones and Target Dates Including Designation of Lead Regulatory Agency

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
	<p>The Plan will also describe:</p> <ul style="list-style-type: none"> • How much total sodium will need to be treated. • The needed capacity for supplemental treatment to have all the tank waste treated by a date that is as quickly as is technically feasible but not later than the date established in milestone M-062-00, with and without consideration of (i) whether such further optimization would be excessively difficult or expensive within the context of such activities and (ii) any impact on the overall cleanup mission. <p>The System Plan will outline specific options to treat all the LAW. Such options include:</p> <ul style="list-style-type: none"> • Build and operate a 2nd LAW Vitrification Facility. • Build and operate a Bulk Vitrification Facility. <p><u>TANK WASTE RETRIEVAL</u></p> <p>The Plan will evaluate scenarios and identify potential near and long-term actions to optimize tank waste retrieval so that the single-shell tank retrievals are completed as quickly as is technically feasible but not later than the date established in milestone M-045-70, with and without consideration of (i) whether such further optimization would be excessively difficult or expensive within the context of such activities and (ii) any impact on the overall cleanup mission.</p> <p>The Plan will consider:</p> <ul style="list-style-type: none"> • SST integrity information, including the SST integrity assurance review provided under milestone M-045-91 and any further integrity assessments. • Waste retrieval rate sufficient to operate all waste treatment facilities at their full capacities, considering optimized waste feed rates. • The effect on waste retrieval rates of the waste retrieval technologies selected through the TWRWP process. • Sequences for remaining SSTs and DSTs to be retrieved based on a risk prioritization strategy, waste treatment feed optimization as affected by blending, and Waste Management Waste Area Closure considerations. <p>The Plan will also take into account the results from previous waste</p>	

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<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
	<p>retrievals and other waste treatment studies. This shall include:</p> <ul style="list-style-type: none"> • The retrieval methodologies that could be employed and estimated waste volumes to be generated for transfer to the DST or other safe storage. • DST space evaluations for the waste retrieval sequence. • Proposed improvements to reduce waste retrieval durations <p><u>CONTINGENCY PLANNING</u></p> <p>The Plan will identify and consider possible contingency measures to address the following risks:</p> <ul style="list-style-type: none"> • Results from SST integrity evaluations. • If retrievals take longer than originally anticipated and there is potential impact to the schedule for retrieving specified tanks under this agreement. • If DST space is not sufficient or is not available to support continued retrievals on schedule. • If any portion of the WTP does not initiate cold commissioning on schedule. • If any portion of the WTP does not complete hot start on schedule. • If operation of the WTP does not meet treatment rates that are adequate to complete retrievals under the schedule in this agreement. For example, the contingency measures will address estimated pretreatment facility throughput as affected by ultrafiltration capacity and oxidative leaching requirements. <p>The contingency measures identified for consideration should include, but not be limited to, providing new, compliant tanks with sufficient capacity and in sufficient time to complete retrievals under this agreement, regardless of WTP operational deficiencies or retrieval conditions.</p>	
<p>M-062-45 Lead Agency: Ecology</p>	<p>Every six years, within six months of the issuance of the last revision of the System Plan, the parties will negotiate the following:</p> <ol style="list-style-type: none"> 1. Commencing as target milestones in 2015 and enforceable milestones in 2021 and each negotiation thereafter, tank waste retrieval sequencing and milestones, and milestones for installation of infrastructure to feed tank waste from the DST 	<p>April 30, 2015, And Every Six Years Thereafter</p>

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<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
	<p>system to the tank waste treatment system, for the next eight years.</p> <ol style="list-style-type: none"> 2. Contingency actions and milestones, if and as necessary, for providing new, compliant tanks with sufficient capacity and in sufficient time to complete retrievals under this agreement, regardless of WTP operational deficiencies or retrieval conditions. 3. Supplemental treatment selection (a one time selection to be made not later than April 30, 2015) and milestones, which must be consistent with M-062-00 as established by M-062-45 item #5. A 2nd LAW Vitrification Facility must be considered as one of the options. *Milestones M-062-31- T01 through M-062-34-T01 are initially set as target dates and will be established (as may be modified) as interim milestones when they are converted to interim milestones in accordance with applicable HFFACO procedures at the conclusion of this negotiation. 4. The date in milestone M-045-70 for completion of the tank waste retrievals as expeditiously as possible. 5. The date in milestone M-062-00 for completion of tank waste treatment as expeditiously as possible. 6. Milestones for the provision of IHLW canister storage capacity for the six year period of WTP operation for the operating period that begins in January 2022. Additional milestones for the provision of such canister capacity will be established as needed every six years thereafter for the storage of IHLW for the subsequent six year period of WTP operations. 7. Reevaluate milestones to establish facilities to manage secondary waste streams from the WTP by the date that the WTP achieves initial plant operations. <p>As used in paragraphs 4 and 5, above, the phrase 'as expeditiously as possible' means, in the case of SST retrievals, completing such retrievals as quickly as is technically feasible but not later than the date established in milestone M-045-70, and in the case of tank waste treatment, completing such treatment as quickly as is technically feasible but not later than the date established in milestone M-062-00, and in each case without excessive difficulty or expense within the context of such activities, and in consideration of any impact on the overall cleanup mission.</p> <p>By the milestone due date, the parties will complete negotiations on the above matters. Although multiple scenarios may be considered in the course of the negotiations, and none may be considered wholly appropriate, the final decisions in items 1 through 7 above will be</p>	

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<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
	<p>consistent with a single scenario, including any agreed-upon supplemental sensitivity analyses. The parties agree that the chosen scenario alone need not dictate matters in the negotiations and that other information may be considered as the parties deem appropriate. In the event Ecology and DOE do not reach agreement for the matters in M-062-45 paragraphs 1, 2, 3, 6, and 7 the dispute between Ecology and DOE will be resolved pursuant to the HFFACO Article VIII.</p> <p>The dispute resolution process in HFFACO, Article VIII, does not apply to the determinations in M-062-45 paragraphs 4 and 5. Rather, these disputes shall be governed by the Consent Decree in <i>Washington v. DOE, Case No. 08-5085-FVS</i>. No later than 12/31/2021, the United States and Ecology shall complete negotiations to establish a mechanism that will apply to resolve future disputes regarding the determinations in M-062-45 paragraphs 4 and 5. The United States and Ecology have reserved their rights regarding the mechanism that should apply to such future disputes, in the event that they cannot reach agreement.</p>	
M-083-00A Lead Agency: Ecology	<p>Complete PFP Facility transition & selected disposition activities.</p> <p>Completion of this major milestone includes the following key elements: 1) completion of all activities necessary to achieve end point criteria established through Milestone M-83-20 for placing the PFP facility in a safe and stable S&M mode, 2) completion of all activities described in the approved M-83 series interim milestones and target date; and 3) completion of the balance of PFP selected disposition activities pursuant to the final action memoranda and work plans.</p> <p>Also see "description/justification" contained in change form M-83-01-03.</p>	09/30/2016
M-083-24-T01 Lead Agency: Ecology	Submit Revision 0 of the PFP Complex Surveillance and Maintenance (S&M) Plan to Ecology.	06/30/2016
M-083-44	Complete significant progress on deactivation and removal of 208 gloveboxes and disposal of all 236-Z pencil tanks in preparation for demolition.	09/30/2015
M-085-00 Lead Agency: Dual	<p>Complete response actions for the canyon facilities/associated past practice waste sites, other Tier 1 Central Plateau facilities not covered by existing milestones, and Tier 2 Central Plateau facilities.</p> <p>This includes B Plant, PUREX, and REDOX canyons and associated past practice waste sites in 200-CB-1, 200-CP-1, and 200-CR-1 OUs. The milestone does not include U Plant or T Plant canyons.</p>	TBD
M-085-01	Submit a change package to establish a date for major milestone M-	09/30/2022

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<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
Lead Agency: Dual	085-00.	
M-085-02 Lead Agency: Dual	Submit a change package to establish a schedule for submittal of the RI/FS Work Plans for the 200-CB-1, 200-CP-1, and 200-CR-1 Operable Units and a schedule for submittal of the Removal Action Work Plans for 224B and 224T Plutonium Concentration Facilities.	09/30/2015
M-089-00 Lead Agency: Ecology	Complete closure of mixed waste units in the 324 building REC B-cell, REC D-cell, and high level vault and low level vault in accordance with the Closure Plan DOE/RL-96-73, as amended and incorporated into the permit.	TBE in accordance with M-089-06
M-089-06 Lead Agency: Ecology	<p>Submit to Ecology in accordance with the procedures in WAC 173-303-830(4)(b), a request for a Class 2 modification to the Hanford dangerous waste permit, to include in the permit the "324 Building Radiochemical Engineering Cells, High-Level Vault, Low-Level Vault, and Associated Area Closure Plan" (Closure Plan), DOE/RL-96-73" revised as necessary to address releases to the soil and to ensure compliance with requirements of WAC-173-303-610.</p> <p>DOE's revised closure plan will include a schedule for completing closure activities.</p>	06/30/2016
M-090-00	<p>Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities as necessary for storage of the first two years of Hanford site IHLW from WTP operations.</p> <p>Compliance with the work schedules set forth in this M-90 series is defined as the performance of sufficient work to assure with reasonable certainty that DOE will accomplish series M-90 major and interim milestone requirements.</p> <p>DOE internal work schedules (e.g., DOE approved schedule baselines) and associated work directives and authorizations shall be consistent with the requirements of this Agreement. Modification of DOE contractor baseline(s) and issuance of associated DOE work directives and/or authorizations that are not consistent with Agreement requirements shall not be finalized prior to approval of an Agreement change request submitted pursuant to Agreement Action Plan Section 12.0.</p>	The Date That The WTP Achieves Hot Start
M-090-13	Submit to Ecology, a Conceptual Design Report package (Critical Decision-1) for the Interim Hanford Storage Project (storage of the first two years of Hanford Site Immobilized High Level Waste from WTP operations) and a TPA Change Request (in accordance with TPA Action Plan Section 12.0) to submit to Ecology, a Preliminary Design Report package (Critical Decision-2).	03/31/2016

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<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
	<p>The Conceptual Design Report package shall include the system specification outline, preliminary drawings, the preliminary hazard analysis, preliminary cost estimate, site development plan, and preliminary schedule for the design, construction, and operation of the facility. These documents are consistent with the requirements of DOE Order 413.3B, "Program and Project Management for the Acquisition of Capital Assets."</p> <p><i>The preliminary schedule for the design, construction and operation of the facility referred to in the paragraph above shall not be enforceable.</i></p>	
M-091-00	<p>Complete the treatment to Land Disposal Restriction (LDR) treatment standards for all Hanford Site <i>Resource Conservation and Recovery Act of 1976 (RCRA)</i> mixed low-level waste (MLLW) and RCRA transuranic mixed (TRUM) waste.</p> <p>DOE may choose to complete certification and shipment of TRUM waste for disposal at the Waste Isolation Pilot Plant (WIPP) in lieu of LDR treatment if, as of the time of shipment, such waste is exempt from LDR treatment standards when disposed at WIPP. Notification of certification in support of shipment will be reported at least annually as part of the project manager meetings or quarterly milestone review for inclusion in the administrative record.</p> <p>Definitions</p> <p>"Certification" as used herein is defined as:</p> <ul style="list-style-type: none"> • Completion of all activities necessary for waste to be packaged such that it can meet the Waste Isolation Pilot Plant Waste Acceptance Criteria (WIPP WAC). If subsequent WIPP certification reveals the waste cannot be shipped to WIPP this waste will not count toward meeting the milestone volume requirements (and will be subtracted from meeting such requirements) until such time as it has been determined to meet WIPP WAC or; • The TRUM has been shipped to Idaho. TRUM waste shipped to Idaho may also count toward certification based upon actual shipment to Idaho and contingent upon the waste not returning to the Hanford Site, or; • The waste has been treated to meet LDR treatment standards. <p>"Contact Handled (CH)" waste is a waste container with a surface dose rate less than or equal to 200 millirem per hour.</p> <p>"MLLW" is LLW that is subject to RCRA or 70.105 RCW. "LLW" is defined as radioactive waste that is not spent fuel, high-level waste, TRU waste, byproduct material, or naturally occurring radioactive</p>	Date To Be Established Pursuant To Milestone M-091-44T

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<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
	<p>material.</p> <p>“Remote Handled (RH)” waste is a waste container with a surface dose rate greater than 200 millirem per hour.</p> <p>“Retrievably Stored Waste (RSW)” as used herein is defined as waste that is or was believed to meet the TRU waste criteria when it was placed in the 218-W-4B, 218-W-4C, 218-W-3A and 218-E-12B burial ground trenches after May 6, 1970. RSW does not include waste in containers that have deteriorated to the point that they cannot be retrieved and stabilized (e.g. placed in over-packs) in a manner that would allow them to be transported and designated without posing significant risks to workers, the public or the environment. With respect to any such containers, and with respect to any release of RSW, how to move forward will be determined through the cleanup process set forth in RCRA, CH. 70.105 RCW, and/or the <i>Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA)</i> as appropriate. Those processes may result in additional requirements for the remediation of such wastes.</p> <p>“Retrieval of CH RSW” is defined as uncovering CH wastes within DOE’s RSW trenches, removing such CH wastes from the trenches, and transferring the waste to a permitted and compliant treatment, storage or disposal unit or the Environmental Restoration and Disposal Facility (ERDF).</p> <p>“Retrieval of RH RSW” is defined as uncovering RH wastes within DOE’s RSW trenches and caissons, removing such RH wastes from the trenches and caissons, and transferring the waste to a permitted and compliant treatment, storage or disposal unit or the ERDF.</p> <p>“Shipment” is defined as TRUM waste containers leaving the Hanford Site, and includes waste shipped to either Idaho or the Waste Isolation Pilot Plant (WIPP), and contingent upon the waste not returning to the Hanford Site.</p> <p>“Small Containers and Large Containers” as used herein have different meanings depending on whether they are used in reference to MLLW or TRUM waste.</p> <ul style="list-style-type: none"> • When referring to MLLW, small containers are containers less than 10 cubic meters, including 55-gallon drums. A large container is anything not defined as a small container. • When referring to TRUM waste, small containers are 55-gallon drums or smaller containers even if over packed in 85-gallon drums, and WIPP standard waste boxes (SWB). A WIPP SWB is a 1.8 cubic meter steel container that is approximately 0.94 meters in height, 1.8 meters in length, and 1.4 meters in width 	

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<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
	<p>and was qualified by the DOE in 1988 as meeting the U.S. Department of Transportation (DOT) requirements for specification 7A type A packaging. A large container is defined as any container that is not defined as a small container.</p> <p>"TRUM Waste" is TRU waste that is subject to RCRA or 70.105 RCW.</p> <p>"TRU Waste" as used herein is defined as waste that meets the definition in Subsection (18) of Section 2 of the WIPP Land Withdrawal Act. Pub. L. 102-579.</p> <p>"200 Area Caissons" as used herein are defined as RSW in the 218-W-4B burial ground caissons Alpha-1 through Alpha-4.</p> <p>Note: To provide further clarification on how volumes should be determined in different M-091 contexts, and to be consistent with the volumes of waste listed in the Hanford Site Solid Waste Inventory Tracking System (SWITS), the following descriptions are provided:</p> <ul style="list-style-type: none"> • Volumes for the purposes of determining amounts retrieved shall be based on the volume of the original containers in retrievable storage. For example, the volume of a 55-gallon RSW drum that would be counted toward "retrieval" would be 55-gallons (0.208 cubic meters), even if in the process of retrieval the drum needed to be over-packed into an 85 gallon drum. • The volume of MLLW "treated" will be counted as the retrieval volume (for RSW) or the MLLW pre-treatment container volume (for stored waste). • The volume of small container CH TRUM waste counted as certified will be the volume of the certified container containing the waste unless the waste is compacted. In the event that the waste is compacted, the volume of the pre-compaction container will be counted. • The volume of large container CH TRUM waste and RH TRUM waste (in above ground storage as of June 30, 2009 and in retrievable storage) will be based on the pre-treatment volume of each large container CH TRUM waste as listed in Hanford's SWITS. <p>Note: Each requirement of these M-091 series milestones is considered a distinct work requirement independently subject to the enforcement provisions of the agreement.</p>	
M-091-01	Complete the acquisition of new facilities, modification of existing facilities, and modification of planned facilities necessary for retrieval, storage, and treatment/processing, of all Hanford Site RCRA TRUM	Date To Be Established Pursuant To

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<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
	waste.	Milestones M-091-01A and M-091-01B
M-091-01A	<p>Complete the conceptual design for acquisition of capabilities and/or acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for retrieval, designation, storage, and treatment/processing prior to disposal of all Hanford Site RH TRUM waste and TRUM waste in large containers (in above ground storage as of June 30, 2009 and in retrievable storage).</p> <p>In addition, submit a milestone change package (based on the conceptual design) for annual construction milestones for the planned facilities necessary for retrieval, storage, and treatment/processing, of all Hanford Site RH TRUM waste and large container CH TRUM waste.</p>	09/30/2016
M-091-01B	<p>Complete the definitive design for acquisition of capabilities and/or acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for retrieval, designation, storage, and treatment/processing prior to disposal of all Hanford Site RH TRUM waste and TRUM waste in large containers (in above ground storage as of June 30, 2009 and in retrievable storage).</p> <p>In addition, submit a milestone change package documenting any substantial variations, based on the definitive design, from annual construction milestones finalized pursuant to M-091-01A.</p>	09/30/2018
M-091-03	<p>Submit a revision of the Hanford Site TRUM waste and MLLW Project Management Plan (PMP) to Ecology pursuant to, and in compliance with, the requirements of agreement section 11.5. Revisions of the PMP shall address RCRA MLLW and TRUM waste and will consider and expressly evaluate the impact on M-091 retrieval, treatment and processing capabilities that may result from retrieval, treatment and/or processing of any other TRUM waste including but not limited to offsite TRUM waste and Hanford Site TRUM waste generated after January 1, 2003.</p> <p>Annual revisions of the PMP will be submitted on June 30 every year starting in 2008 and continuing until the M-091 milestones are completed. The PMP revisions shall include plans and schedules to meet all the requirements set forth in the M-091 milestone series. Each revision of the M-091-03 PMP shall, upon approval by Ecology, supersede previous M-091-03 PMPs.</p> <p>The PMP will include a description of completed and scheduled work relating to RH waste and large containers of RH and CH waste performed in accordance with the requirements of the M-091 milestone series. The PMP will document work completed during the previous federal fiscal year and work scheduled for the coming fiscal year. The PMP shall identify by citation all publicly available reports describing</p>	Due Date Annually By June 30

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<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
	<p>pertinent project issues and accomplishments, and shall identify anticipated projects for the coming year.</p> <p>With respect to RH TRUM waste, large container TRUM waste, RH MLLW and large container MLLW; the PMP submitted yearly will specifically include at least one measurable action to be taken by DOE to acquire capabilities to manage such wastes.</p> <p>PMP revisions will be submitted to Ecology for review and approval as primary documents pursuant to agreement action plan section 9.2.1. DOE shall implement the plan as approved.</p>	
M-091-40	<p>Complete the retrieval and designation of CH RSW in burial grounds 218-W-4B, 218-W-3A and 218-E-12B.</p> <ol style="list-style-type: none"> 1. If specific large containers cannot be removed from a trench within 60 days of being exposed DOE shall notify Ecology within the 60-day period. Ecology will inspect the containers and impose specific conditions for that waste container to prevent releases to the environment. In determining such conditions Ecology will consider among other factors; whether the waste containers has been inspected and found to be intact and not posing a threat to human health and the environment (or re-packaged to prevent release to the environment) and existing documentation concerning the presence of free liquids. 2. As RSW retrieval proceeds, DOE shall sample and analyze trench substrates with the purposes of determining whether or not releases of contaminants to the environment have occurred, and, if so, the nature and extent of contamination. <p>Such sampling and analysis shall be in accordance with Ecology approved sampling and analysis plans (SAP). DOE will implement approved SAPs, as a requirement of this milestone, during retrieval of all RSW.</p> <p>The results of burial ground vent and substrate sampling and analysis pursuant to approved SAPs shall be submitted to Ecology quarterly in the project managers' meetings for inclusion in the administrative record. Such reports shall document results and methodologies, shall assess results against regulatory requirements, shall include a description (or descriptions) of documented contaminant releases to the environment, and shall describe planned and/or scheduled additional work.</p> <ol style="list-style-type: none"> 3. Within 90 days of retrieval, DOE shall designate all CH RSW retrieved from the RSW trenches pursuant to the Washington Administrative Code (WAC) 173-303-070 through 100. 	09/30/2016

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<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-091-40U-T01	Retrieve a minimum of 250 cubic meters of CH RSW in Fiscal Year 2012. Any volume retrieved above the 250 cubic meters shall count towards fulfillment of M-091-40X.	09/30/2012
M-091-40V-T01	Retrieve a minimum of 250 cubic meters of CH RSW in Fiscal Year 2013. Any volume retrieved above the 250 cubic meters shall count towards fulfillment of M-091-40X.	09/30/2013
M-091-40W-T01	Retrieve a minimum of 250 cubic meters of CH RSW in Fiscal Year 2014. Any volume retrieved above the 250 cubic meters shall count toward fulfillment of M-091-40X.	09/30/2014
M-091-40X	Retrieve a total of 1,250 cubic meters of CH RSW in Fiscal Year 2015.	09/30/2015
M-091-41	Complete the retrieval and designation of RH RSW (regardless of package size, including the 200 area caissons).	12/31/2018
M-091-41A	Complete Retrieval Of Non-Caisson RH RSW.	09/30/2016
M-091-42	<p>Complete the treatment of small container CH MLLW (in above ground storage as of June 30, 2009 and in retrievable storage) to meet applicable LDR treatment standards in compliance with WAC 173-303-140.</p> <ol style="list-style-type: none"> 1. Treatment of <i>CERCLA</i> waste and newly generated CH MLLW will not be counted toward meeting the volume requirements of this milestone. RSW determined to be MLLW in the treatability groups covered by this milestone will be counted toward meeting the volume requirements of this milestone when treated. 2. If the actual volume of retrieved CH MLLW covered by this milestone is lower than the estimated volumes anticipated by these milestones DOE will only be required to treat the volume of waste generated, retrieved and/or in storage. 	09/30/2017
M-091-43	Complete the treatment of large container CH MLLW and RH MLLW (in above ground storage as of June 30, 2009 and in retrievable storage) to applicable LDR treatment standards in compliance with WAC 173-303-140.	09/30/2017
M-091-44	<p>Complete the treatment of large container CH TRUM waste and RH TRUM waste (in above ground storage as of June 30, 2009 and in retrievable storage).</p> <p>DOE may choose to complete certification and shipment of TRUM waste for disposal at the Waste Isolation Pilot Plant (WIPP) in lieu of LDR</p>	12/31/2030

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<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
	treatment if, as of the time of shipment, such waste is exempt from LDR treatment standards when disposed at WIPP. Notification of certification in support of shipment will be reported at least annually as part of the project manager meetings or quarterly milestone review for inclusion in the administrative record.	
M-091-44T	Submit a change package for annual milestones to treat or certify and ship large container CH TRUM waste and RH-TRUM waste (in above ground storage as of June 30, 2009 and in retrievable storage) to complete the disposition of this waste.	09/30/2018
M-091-46	Complete the certification of small container CH TRUM waste (in above ground storage as of June 30, 2009 and in retrievable storage)	09/30/2017
M-091-46B-T01	Certify 300 cubic meters of small container CH TRUM waste. Any volume certified above the 300 cubic meters shall count towards fulfillment of M-091-46E.	09/30/2012
M-091-46C-T02	Certify 125 cubic meters of small container CH TRUM waste. Any volume certified above the 125 cubic meters shall count towards fulfillment of M-091-46E.	09/30/2013
M-091-46D-T03	Certify 125 cubic meters of small container CH TRUM waste. Any volume certified above the 125 cubic meters shall count towards fulfillment of M-091-46E.	09/30/2014
M-091-46E	Certify 250 cubic meters of small container CH TRUM waste. Any volume certified above 250 cubic meters shall count toward fulfillment of subsequent milestones.	09/30/2015
M-091-46F	Certify 250 cubic meters of small container CH TRUM waste.	09/30/2016
M-091-46H	Complete offsite shipment of all small container CH TRUM waste (in above ground storage as of June 30, 2009 and in retrievable storage).	09/30/2018
M-092-00	Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for the storage, treatment/processing, and disposal of Hanford site cesium and strontium capsules (Cs/Sr), bulk sodium (Na), and 300 Area special waste (SCW).	To Be Established By October 9/30/2018

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<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-092-05	<p>Determine disposition path and establish interim Agreement Milestones for Hanford Site Cs/Sr capsules.</p> <p>DOE will assess the viability of direct disposal of the Hanford Cs/Sr capsules at the national high-level waste repository and provide a schedule leading to its disposition. If DOE concludes that direct disposal is a viable and preferred alternative to vitrification, DOE will submit to Ecology specific documentation justifying its conclusion, with a proposed milestone change request establishing enforceable Agreement Milestones for dispositioning Hanford Cs/Sr capsules.</p>	06/30/2017
M-092-09	Establish milestones and/or target dates if needed for acquisition of new facilities, modifications of existing facilities, and /or modification of planned facilities necessary for storage, treatment/processing, and disposal of Hanford site sodium.	09/30/2018
M-093-00 Lead agency: Dual	<p>Complete final disposition of all 100 Area Surplus Production Reactor buildings.</p> <p>100 Area Surplus Production Reactor Buildings consist of the following: 105-D, 105-DR, 105-H, and 105/109-N (Ecology lead), and 105-B, 105-C, 105-F, 105-KE, and 105-KW (EPA lead).</p>	To Be Determined
M-093-27 Lead Regulatory Agency: EPA	Complete 105-KE and 105-KW Reactor Interim Safe Storage in accordance with the Removal Action Work Plan.	09/30/2024
M-093-28 Lead Regulatory Agency: EPA	Submit a change package for proposed interim milestones for 105-KE and 105-KW Reactor Interim Safe Storage.	12/31/2019
M-094-00 Lead Agency: EPA	<p>Complete disposition of all 300 Area surplus facilities identified in the removal action work plan(s) for the 300 Area facilities including the 324 Building and its ancillary buildings and structures.</p> <p>Completion of facility disposition is defined as the completion of deactivation, decontamination, decommissioning, and demolition and obtaining EPA and/or Ecology approval of the appropriate project closeout documents. The cleanup of 300-FF-2 waste sites associated with 300 Area surplus facilities and utilities will be performed in accordance with Tri-Party Agreement major Milestone M-016-00B, M-016-69, and approved Remedial Design/Remedial Action Work Plans for 300 Area waste sites by the specified due date as approved in removal or Remedial Action Work Plans.</p>	09/30/2018

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