

**Site Treatment Plan Ver. 28.0
Deliverables, Milestones, and Target Dates**

(TRU Sludge milestones revised per March 27, 2024, agreement between DOE and TDEC)

	Description	Due Date
Deliverable	Site Treatment Plan Annual Update	10/31 Annually
Deliverable	Site Treatment Plan Semi-Annual Progress Report	4/30 & 10/31 Annually
Deliverable	Site Treatment Plan Quarterly Status Report Presentation (Table 3.4, Table 3.6, and TRU Processing) STP Sections 3.1, 3.3, and 4	1/30, 4/30, 7/30, & 10/30 Annually

TRU Debris		
Milestone	Complete physical preparation of 59 m3 of technically challenging and collocated CH-TRU debris as well as STP waste inventory growth, enabling the final characterization of the waste for disposal. For purposes of this milestone, completion will be measured as accomplished when verification, appropriate remediation, and appropriate repackaging have been completed to support initial characterization. This milestone will be subject to review and potential extension as part of the DOE FY2025 Annual Update of the STP based upon any continuing impacts due to the technical issues associated with the discovery of additional oxide and potentially reactive waste requiring safety-related controls.	3/25/2025
Milestone	Complete physical preparation of remaining inventory of 16 m3 of technically challenging and co-located CH-TRU debris as well as STP waste inventory growth, enabling the final characterization of the waste for disposal. For purposes of this milestone, completion will be measured as accomplished when verification, appropriate remediation, and appropriate repackaging have been completed to support initial characterization. This milestone will be subject to review and potential extension as part of the DOE FY2025 Annual Update of the STP based upon any continuing impacts due to the technical issues associated with the discovery of additional oxide and potentially reactive waste requiring safety-related controls.	10/25/2025
Milestone	Complete physical preparation of the remaining inventory of 22 m3 of RH-TRU debris inventory, enabling the final characterization of the waste for disposal. For purposes of this milestone, completion will be measured as accomplished when verification, appropriate remediation, and appropriate repackaging have been completed to support initial characterization. This milestone will be subject to review and potential extension as part of the DOE FY2025 Annual Update of the STP based upon any continuing impacts due to the technical issues associated with the discovery of additional oxide and potentially reactive waste requiring safety-related controls, and waste subject to specialized requirements.	10/25/2025

TRU Debris (continued)		
Milestone	Accomplish final WIPP certification of all remaining RH-TRU debris waste inventory, as shown in Table 4.1 of the STP. (Date extended due to additional certification requirements under WIPP WAC, revision 8. TDEC recognizes that as of the WIPP WAC, revision 8, final WIPP certification is managed by the DOE Carlsbad Field Office.) This milestone will be subject to review and potential extension as part of the DOE FY2025 Annual Update of the STP based upon any continuing impacts due to the technical issues associated with the discovery of additional oxide and potentially reactive waste, and waste subject to specialized requirements.	12/25/2025
Milestone	Accomplish final WIPP certification of all remaining inventory of CH-TRU debris waste inventory, as shown in Table 4.1 of the STP. (Date extended due to additional certification requirements under WIPP WAC, revision 8. TDEC recognizes that as of the WIPP WAC, revision 8, final WIPP certification is managed by the DOE Carlsbad Field Office.) This milestone will be subject to review and potential extension as part of the DOE FY2025 Annual Update of the STP based upon any continuing impacts due to the technical issues associated with the discovery of additional oxide and potentially reactive waste requiring safety-related controls.	12/25/2025
TRU Sludge Revised 3/27/2024		
Milestone	Complete mock-up testing for sludge processing.	1/30/2024
Milestone	Provide a report summarizing the results of the mock-up testing.	9/30/2024
Milestone	Hold a public meeting to communicate the delay in the mixed TRU sludge project and its impact on the final processing date.	9/30/2024
Milestone	Provide a strategic plan addressing technologies available for the treatment of sludge, relevant to the OREM mission.	6/30/2025
Milestone	Provide a comprehensive report, and strategic plan, evaluating tank status and ensuring safe operations until processing commences. This report should cover tank inventory, construction dates, capacity, integrity monitoring programs, current sludge generation rates, and Liquid Low-Level Waste (LLLW) / sludge minimization.	9/30/2025
Milestone	Provide a copy of the sample data from the MVST and BVEST, as well as a report explaining the differences between it and the past data from 2001. This should show changes in radionuclide, chemical, hazardous, and transuranic constituents, density, and particle size distribution.	9/30/2026
Milestone	Deliver a report documenting all necessary steps that were and will be completed to obtain sufficient funding to comply with the provisions, milestones, and target dates of this Plan as pertains to the processing of mixed TRU sludge. The expectation is for DOE to take appropriate budgetary actions to meet the September 30, 2032, target of a preliminary design.	9/30/2026
Target	Deliver an updated strategic plan to process and stabilize the sludges and ship the final waste form to a suitable off-site disposal facility, depending on the final characterization of the processed waste.	9/30/2030
Target	Provide a preliminary (60%) design for the full-scale sludge processing facility.	9/30/2032

Trench 13		
Target	Submit to TDEC a revised Engineering Evaluation for removal and disposal of the waste from Trench 13.	9/30/2035
Target	Begin work to remove and dispose the waste from Trench 13.	9/30/2037
Sodium and Lithium Shields		
Milestone	Submit a report describing progress made in DOE FY2023 toward treating and disposing the sodium and lithium shields.	1/31/2024
Target	Issue an RFP for treatment and disposal of the sodium and lithium shields.	9/30/2028
No-Path to Disposal		
Milestone	Complete shipment of MLLW with Dioxin and Furan Codes to a treatment facility after appropriate treatment technology becomes available at a facility with the necessary permits and licenses, approval to receive the waste is in place, and the treatment facility is operationally ready to receive the waste.	TBD
Milestone	Complete refinement of the liquid-phase dioxin and furan waste treatment train demonstrated during the initial treatment study and submit a report to TDEC describing the results of the treatment train refinement effort.	6/20/2024
NNSA		
Milestone	Ship a cumulative total of 65 items on the 7/28/2016 baseline inventory for MWIR Stream M3308 for treatment or disposal.	9/30/2024
Milestone	Ship a cumulative total of 73 items on the 7/28/2016 baseline inventory for MWIR Stream M3308 for treatment or disposal.	9/30/2025
Milestone	Ship a cumulative total of 81 items on the 7/28/2016 baseline inventory for MWIR Stream M3308 for treatment or disposal.	9/30/2026