



THE HANFORD SITE

Budget Overview for Fiscal Year 2022 Regulator Briefing

TPA Paragraph 149.D

July 8, 2021

- DOE Fiscal Year 2022 President’s budget request
- Fiscal Year 2022 Tri-Party Agreement (TPA) milestone status



Cleanup Priorities

- Safely manage, treat and disposition tank waste
- Treat contaminated groundwater
- Assess / stabilize aging structures
- Demolish retired facilities



A cocooned reactor near the Columbia River

Office of River Protection Budget Profile

(\$ in Thousands)

PBS	PBS Title	FY 2020 Enacted	FY 2021 Enacted	FY 2022 President's Request
ORP-0014	Radioactive Liquid Tank Waste Stabilization and Disposition	775,000	784,000	817,642
ORP-0014	15-D-409, Low-Activity Waste Pretreatment System	0	0	0
ORP-0014A	LLW Offsite Disposal	10,000	0	7,000
Tank Farms		785,000	784,000	824,642
ORP-0060	LBL / Direct-Feed LAW	776,000	786,000	586,000
ORP-0060	High-Level Waste Facility	25,000	25,000	60,000
ORP-0060	Pretreatment Facility	15,000	0	20,000
Waste Treatment and Immobilization Plant (WTP)		816,000	811,000	666,000
ORP-0070	WTP Commissioning	15,000	50,000	50,000
Total	Office of River Protection Funding Summary	1,616,000	1,645,000	1,540,642

FY = fiscal year
 PBS = project baseline summary
 LAW = low-activity waste
 LBL = Low-Activity Waste Facility, Balance of Facilities, and Analytical Laboratory
 LLW = low-level waste

Office of River Protection TPA Milestones Fiscal Year 2022 Status

PBS Risk	Milestone Number	Title	Due Date	Status
ORP-0014	M-045-92Y	Complete Construction of Barrier 3 in 241-TX Farm	10/31/2021	On Schedule
ORP-0014	M-045-92Z	Submit to Ecology Design for Barrier 4 in 241-U Farm and Monitoring Plan	10/31/2021	On Schedule
ORP-0014	M-045-92AE	Submit Yearly Reports Summarizing the Results of Maintenance and Performance Monitoring Activities	10/31/2021	On Schedule
ORP-0060	M-062-51-T01	Submit to Ecology, as a Primary Document, a Secondary Liquid Waste Disposition Work Plan	12/31/2021	On Schedule
ORP-0014	M-062-52-T01	Submit to Ecology, a Secondary Solid Waste Disposition Work Plan as a Primary Document	12/31/2021	On Schedule
ORP-0014	M-045-85	Initiate Negotiations of HFFACO Interim Milestones for Closure of Remaining WMAs	1/31/2022	On Schedule
ORP-0014	M-045-92AA	Barrier 4 Design Approved by Ecology	1/31/2022	On Schedule
ORP-0060	M-062-53A	Achieve Substantial Completion of EMF Construction	4/30/2022	On Schedule
ORP-0014	M-062-51-T02	Submit to Ecology, PMR for Redesign Upgrades and Ops to Support Volumes of Waste Types	5/15/2022	On Schedule
ORP-0014	M-062-52-T02	Submit to Ecology, PMR for Ancillary Facilities/Capabilities to Support Treatment of Secondary Waste	5/15/2022	On Schedule
ORP-0014	M-045-15	Completion of Tank A-103 SST Waste Retrieval	9/30/2022	At Risk
ORP-0014	M-045-98	Submit to Ecology a RFI/CMS Work Plan for WMA A/AX as a Primary Document	9/30/2022	On Schedule
ORP-0014	M-045-102	Submit to Ecology a Performance Assessment Maintenance Plan for the WMA A/AX PA	9/30/2022	On Schedule
ORP-0014	M-045-15A	Submit a Retrieval Data Report Pursuant to Agreement Appendix I	9/30/2022	At Risk
ORP-0014	M-045-15D	Exception to Waste Retrieval Criteria Pursuant to Agreement Appendix H	9/30/2022	At Risk

Richland Operations Office Budget Profile

(\$ in Thousands)

PBS	PBS Title	FY 2020 Enacted	FY 2021 Enacted	FY 2022 President's Request
RL-0011	Nuclear Material Stabilization and Disposition – PFP	0	17,359	0
RL-0013C	Solid Waste Stabilization and Disposition	176,855	182,340	220,341
RL-0030	Soil and Water Remediation – Groundwater / Vadose Zone	138,995	116,966	139,100
RL-0201	Hanford Sitewide Services	338,950	353,335	330,335
Central Plateau Remediation		654,800	670,000	689,776
RL-0040	Nuclear Facility D&D – Remainder of Hanford	102,427	101,044	24,000
RL-0041	Nuclear Facility D&D – River Corridor Closure Project	133,675	131,435	172,000
River Corridor and Other Cleanup Operations		236,102	232,479	196,000
RL-0013C	18-D-404 WESF Modifications and Capsule Storage	11,000	15,000	8,000
RL-0201	22-D-401 – L-888, 400 Area Fire Station	0	0	15,200
RL-0201	22-D-402 – L-897, 200 Area Water Treatment Facility	0	0	12,800
RL-0020	Safeguards and Security	86,778	96,300	96,300
RL-0042	Nuclear Facility D&D – Fast Flux Test Facility	2,500	2,500	3,100
RL-0100	Richland Community and Regulatory Support	10,121	8,621	5,121
Total	Richland Operations Office Funding Summary	1,001,301	1,024,900	1,026,297

D&D = deactivation and decommissioning
 FY = fiscal year
 PBS = project baseline summary

PFP = Plutonium Finishing Plant
 WESF = Waste Encapsulation and Storage Facility

Richland Operations Office TPA Milestones Fiscal Year 2022 Status

PBS	Milestone Number	Title	Due Date	Status
RL-0030	M-015-84	Complete RI of 200-WA-1 and 200-BC-1 Waste Sites in Accordance with RI/FS Work Plan	12/31/2021	In Abeyance
RL-0030	M-024-72	Complete the Construction of All Wells Listed for CY21 and Before	12/31/2021	On Schedule
RL-0013	M-026-01AE	Submit Hanford Land Disposal Restrictions Summary Report (for 2020)	12/31/2021	At Risk
RL-0201	M-036-01J	Submit to EPA & Ecology Lifecycle Scope, Schedule & Cost Report	1/31/2022	On Schedule
RL-0040	M-016-250G	Submit to ECY a 3-Year Rolling Prioritized Schedule to Implement Waste Site Removal Actions	3/31/2022	On Schedule
RL-0013	M-026-07D	Evaluation of Tritium Treatment Technology to EPA & Ecology	3/31/2022	On Schedule
RL-0201	M-035-09M	Conduct Biennial Assessments of Information and Data Access Needs	3/31/2022	On Schedule
RL-0013	M-092-20	Submit to Ecology a Disposition Pathways Evaluation for the Cesium and Strontium Capsules	3/31/2022	On Schedule
RL-0013	M-026-01AF	Submit Hanford Land Disposal Restrictions Summary Report (for 2021)	4/30/2022	On Schedule
RL-0030	M-024-58O	Initiate Discussions of Well Commitments	6/1/2022	On Schedule
RL-0040	M-016-257	Complete CS/NFA for All Waste Sites as Identified in CCF M-16-20-01 in FY2021	6/30/2022	On Schedule
RL-0013	M-091-03P	Submit Revision of TRUM Waste and MLLW PMP to Ecology	6/30/2022	On Schedule
RL-0030	M-024-73-T01	Conclude Discussions of Well Commitments Initiated Under M-024-58	8/1/2022	On Schedule
RL-0013	M-016-173	Select K Basin Sludge Treatment and Packaging Technology and Propose New Interim MS's	9/30/2022	On Schedule
RL-0040	M-016-258	Complete CS/NFA and RTD for All Waste Sites as Identified in CCF M-16-21-01 in FY2022	9/30/2022	On Schedule
RL-0013	M-091-52-T03	Submit to Ecology, a CDR for the Facility/Capability for Contact Handled Waste Containers	9/30/2022	On Schedule



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(TPA Paragraph 149.D)
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List of Attendees

<u>Name</u>	<u>Organization</u>
Armijo, Roberto	EPA
Bowen, David	Ecology
Buelow, Laura	EPA
Cameron, Craig	EPA
Cline, Mike	DOE
French, Mark	DOE
Good, Spencer	Ecology
Goswami, Dib	Ecology
Hamel, Bill	DOE
Higgins, Kathy	DOE
Holbrook, Edward	Ecology
Howell, Theresa	Ecology
Lyon, Jeff	Ecology
Mathey, Jared	Ecology
McCartney, Anne	EPA
Menard, Nina	Ecology
Noyes, Delmar	DOE
Temple, John	Ecology
Teynor, Tom	DOE
Welsch, Kim	Ecology
Brasher, Stephanie	HMIS