

Status of the Accelerated Retrieval Project (ARP)

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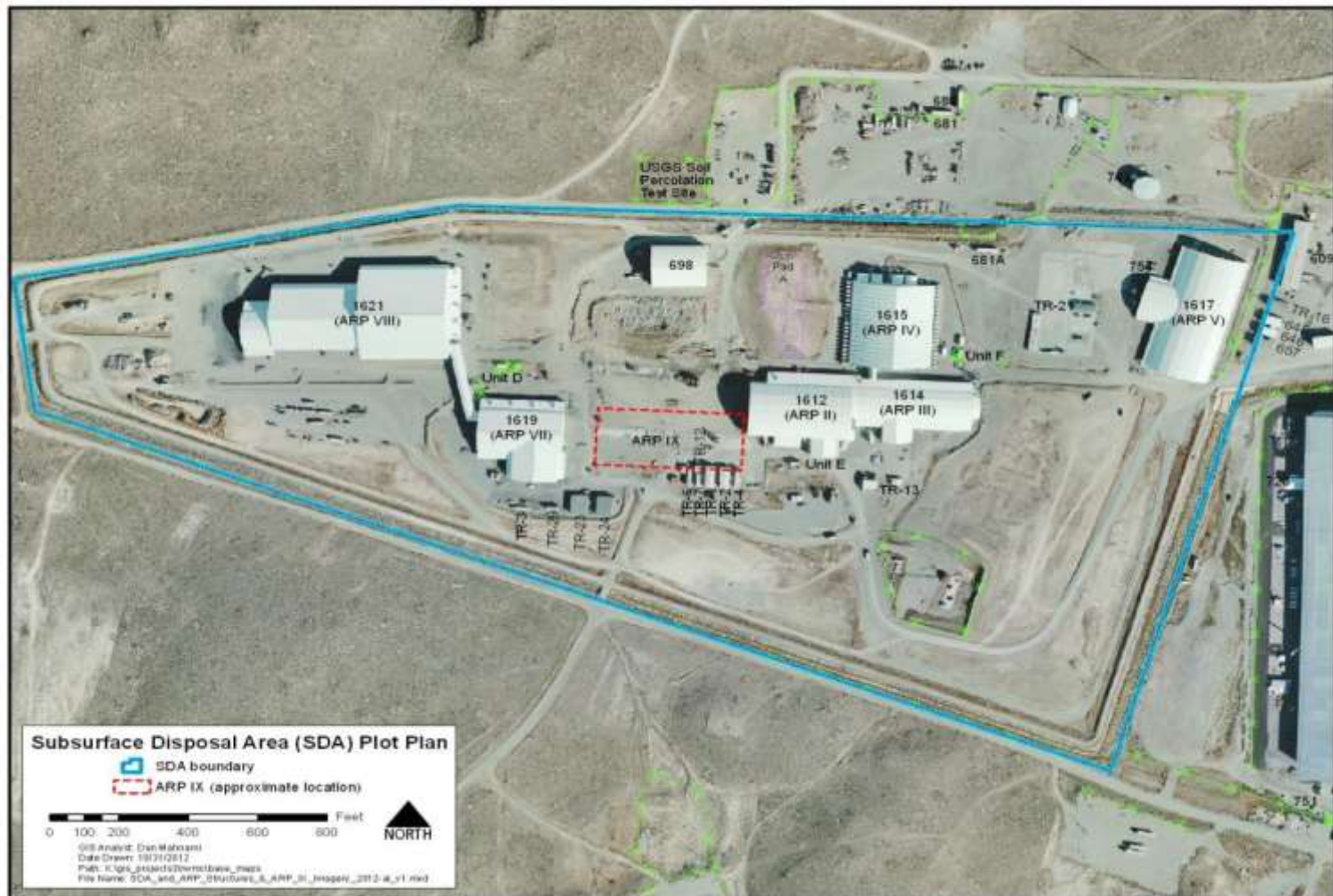
November 19, 2014



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Waste Area Group (WAG) 7 Project



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Accelerated Retrieval Project (ARP) Project Objectives

Requirements established in the 2008 Agreement to Implement and the Operable Unit 7-13/14 CERCLA ROD

- Conduct targeted waste retrieval/exhumation of 5.69 acres and disposition waste :
 - ARP I, II, III, IV, V, VI, and VII -- exhumation completed
 - ARP VIII: 0.28 acres out of 1.72 acres have been exhumed
 - ARP IX:
 - Design to be completed and foundation to be constructed by CWI during FY15
 - Retrieval enclosure to be constructed by a small business contractor in the 2017 time-frame
 - ARP I & VI D&D -- D&D completed
- Retrieve not less than 6,238 m³, measured as 7,485 m³ packaged
 - As of November 1, 2014, 6,505 m³ packaged; 5,594 m³ have been shipped as TRU waste



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Status of Accelerated Retrieval Project (ARP) as of 11/1/14

ARP	Area (acres)	Acres Complete	Acres Remaining	Status
ARP I	0.5	0.5	0	Waste exhumation complete and retrieval enclosure demolished
ARP II	0.34	0.34	0	Waste exhumation complete and retrieval enclosure in standby awaiting demolition.
ARP III	0.43	0.43	0	Waste exhumation complete and retrieval enclosure in standby awaiting demolition.
ARP IV	0.79	0.79	0	Waste exhumation complete and retrieval enclosure in standby awaiting demolition
ARP V	0.55	0.55	0	Waste exhumation complete. 6,000 drum Sludge repackaging project completed 6/2014. In RCRA-compliant standby awaiting potential future AMWTP sludge repackaging.
ARP VI	0.4	0.4	0	Waste exhumation complete and retrieval enclosure demolished
ARP VII	0.27	0.27	0	Waste exhumation complete. Drum packaging stations and air locks to be used for ARP VIII and ARP IX.
ARP VIII	1.72	0.28	1.44	Exhumation ongoing.
ARP IX	0.69	0	.69	Retrieval enclosure construction during next contract period (FY2016 to FY2020)
Total	5.69	3.56	2.13	



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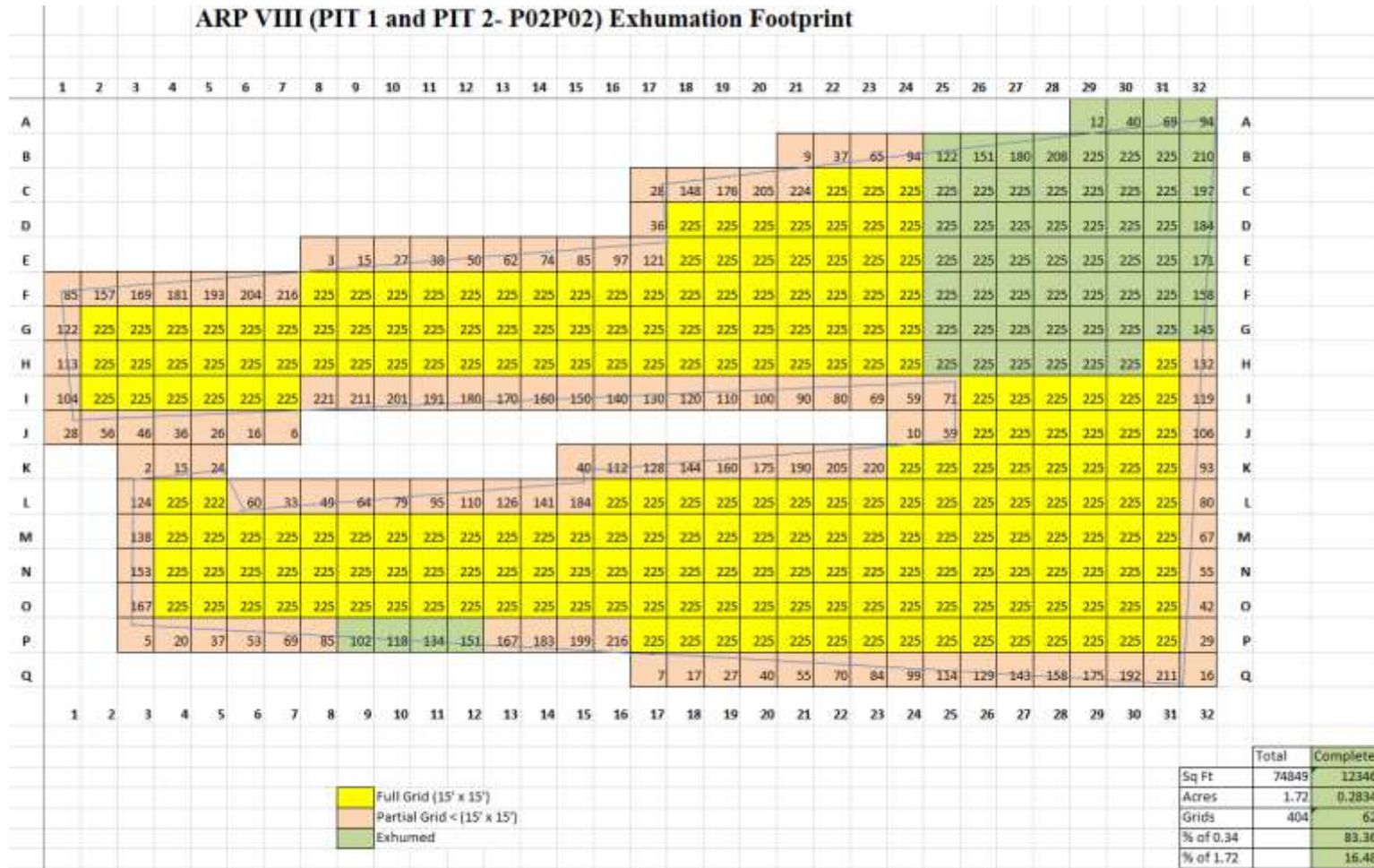
ARP VIII



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ARP VIII Exhumation Footprint (as of 11/1/14)



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Exhumation in ARP VIII



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ARP VIII Equipment Fire Incident (9/9/2014)

- On September 9, 2014, at the Accelerated Retrieval Project (ARP) VIII, a small fire occurred in Excavator (EX)-4. Factory mutual approved hydraulic fluid, from a ruptured/split hydraulic hose, spilled onto the motor's turbocharger and ignited.
- There were no injuries or significant damage to equipment, and no environmental damage.
- Corrective measures included
 - Extent of condition review of all waste exhumation equipment
 - Analyze a method of isolating the excavator's boom hydraulic system in case of a future leak
- Comparison with WIPP equipment fire:
 - Lower flash point hydraulic fluid used
 - Operator took effective correct action
 - Equipment maintenance history and system operability was reviewed and determined to be satisfactory



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Equipment Fire Incident (continued)



EX-4



**EX-4
Turbocharger**



EX-4 Boom



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Equipment Transfer Tunnel – August 2014



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Equipment Transfer Tunnel – August 2014 (continued)



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Looking Forward






- Anticipate that CWI will complete its contract obligation to exhume .51 acres by about the end of calendar year 2014.
- Discussions are ongoing regarding the amount of additional exhumation that will be completed by the end of the CWI contract period (by 9/30/15).
- Major future regulatory milestones include:
 - Ship waste exhumed and on-site as of 12/31/17 out of Idaho by 12/31/2018
 - Ship waste exhumed after 12/31/17 out of Idaho within one year after being containerized
 - Submit draft SDA cap design by 9/30/2020
 - Complete targeted waste exhumation by 12/31/2023 (anticipate acceleration to 2020)
 - Complete SDA cap construction by 12/31/2028



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Dashboard Summary for ARP

Key Questions	Dashboard Indicator	Comments
Budget Concerns and Issues		Accelerated Retrieval Project is consistently under cost and ahead of schedule
Employment/Economic Conditions		Funding availability constrains the number of crews that can be deployed and the exhumation rate
Affect on Agreements		ARP requirements established in Agreement to Implement and CERCLA ROD
Safety and Environment		CWI Safety record at ARPs is exceptional
ICP Cleanup Condition		Targeted waste exhumation is a state of Idaho priority WIPP shutdown affects ability to ship exhumed waste out of Idaho



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