

ICP

IDAHO CLEANUP PROJECT

Accelerated Retrieval Project

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SAFELY PLAN • MOTIVATE • DELIVER

SDA Aerial Photo



Accelerated Retrieval Project (ARP) History

- ◆ Targeted waste exhumation began in January 2005
 - Visually identifying exhumed targeted waste
 - ◆ 5 targeted waste streams removed (741/743 Sludges, Graphites, Filters, Roaster Oxides)
- ◆ All Means All lawsuit settled in July 2008
 - 5.69 acres of targeted waste exhumation
 - Minimum 7,485 m³ of targeted waste packaged for disposition outside the State of Idaho
 - One additional targeted waste stream added (742 sludges)



ARP History, cont.

- ◆ Waste Area Group 7 Operable Unit 13/14 Record of Decision completed - October 2008
 - Phase I work plan addresses first phase of targeted waste exhumation
- ◆ ARP I (Pit 4) waste exhumation completed – July 2007
 - .5 acres of waste exhumation



ARP History, cont.

- ◆ ARP II (Pit 4/6) waste exhumation completed – August 2009
 - .34 acres of waste exhumation
- ◆ ARP III (Pit 6) waste exhumation completed – November 2009
 - .37 acres of waste exhumation
- ◆ ARP IV (Pit 5) waste exhumation completed – January 2011
 - .79 acres of waste exhumation



ARP III pre-exhumation



Targeted waste pre-packaging

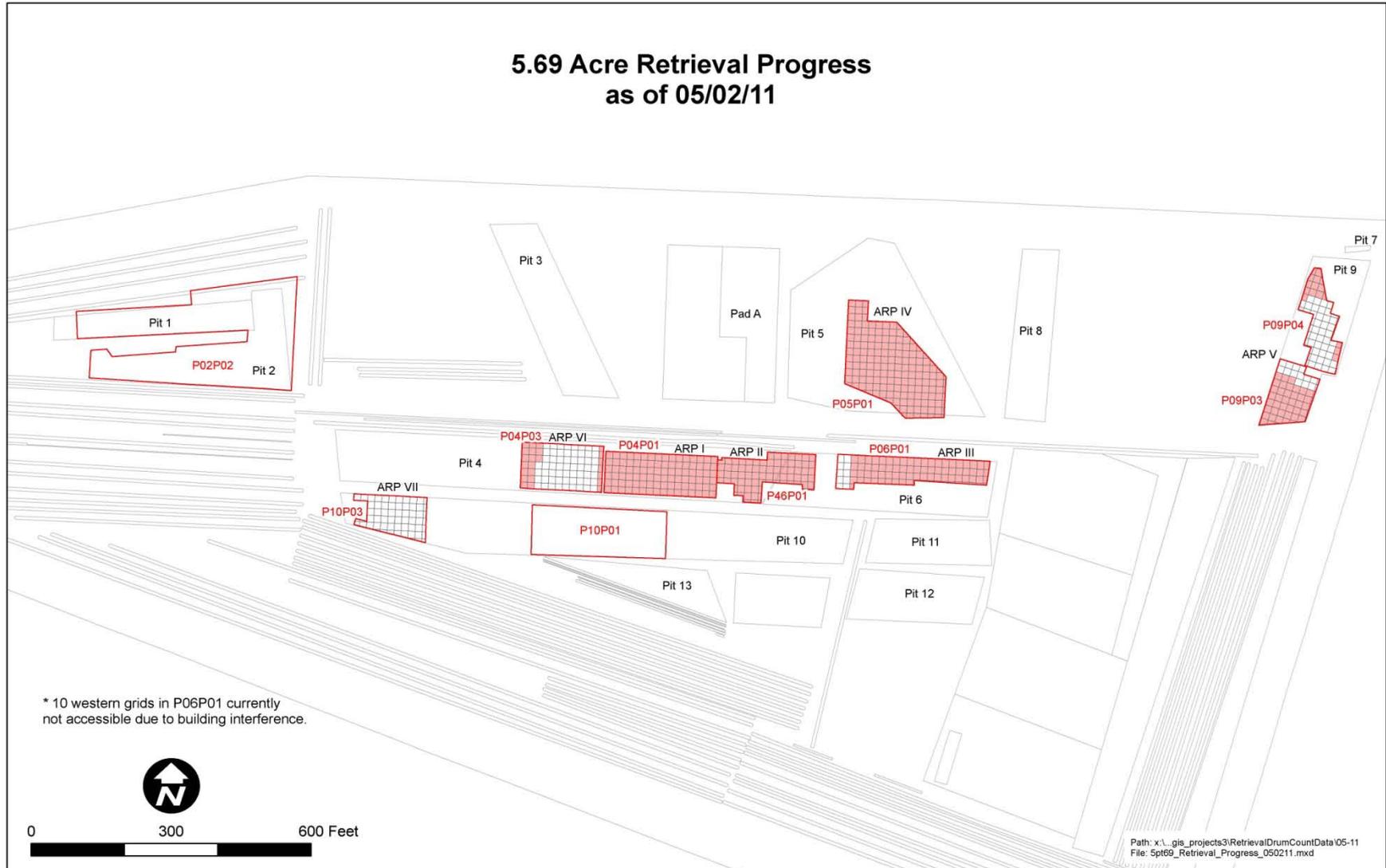
ARP Process Improvements



- ◆ Redundant exhumation equipment
 - Additional excavators and telehandlers
 - Loader
- ◆ Proactive maintenance program
- ◆ Anticipating unexpected events with a planned path-forward
 - Drum deflagration
- ◆ Seasoned workforce very experienced at the exhumation process
- ◆ Exhumation facilities sharing a common infrastructure
 - ARP IV and ARP VI do not have airlocks

5.69-Acre Waste Exhumation Progress

5.69 Acre Retrieval Progress as of 05/02/11





◆ First Aid/Recordable Summary

- 522 days since last recordable
- Over 6,000 entries (CY11) into radiological/contamination areas without a radiological incident



Accomplishments

- ◆ Completed waste exhumation of 2.34 acres
- ◆ Packaged 23,373 drums of targeted waste
- ◆ Shipped 4,080 m³ of targeted waste offsite
- ◆ Waste exhumation progress:
 - ARP V (Pit 9)
 - ◆ Continuing waste exhumation (.27 of .55 acres exhumed)
 - ARP VI (Pit 4 West)
 - ◆ Continuing waste exhumation (.10 of .40 acres exhumed)
 - ARP VII (Pit 10 East)
 - ◆ DOE small business subcontractor constructing exhumation facility/airlock



- ◆ Waste exhumation in ARP V (Pit 9)
- ◆ Waste exhumation in ARP VI (Pit 4W)
- ◆ DOE small business contractor completes construction of ARP VII
- ◆ Complete ARP VIII exhumation facility design
- ◆ DOE future work scope
 - ARP VIII construction
 - ARP VII waste exhumation
 - D&D of ARP IV