

# ICP

## IDAHO CLEANUP PROJECT

### Accelerated Retrieval Project

Rick Vonfeldt

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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 m<sup>3</sup> 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

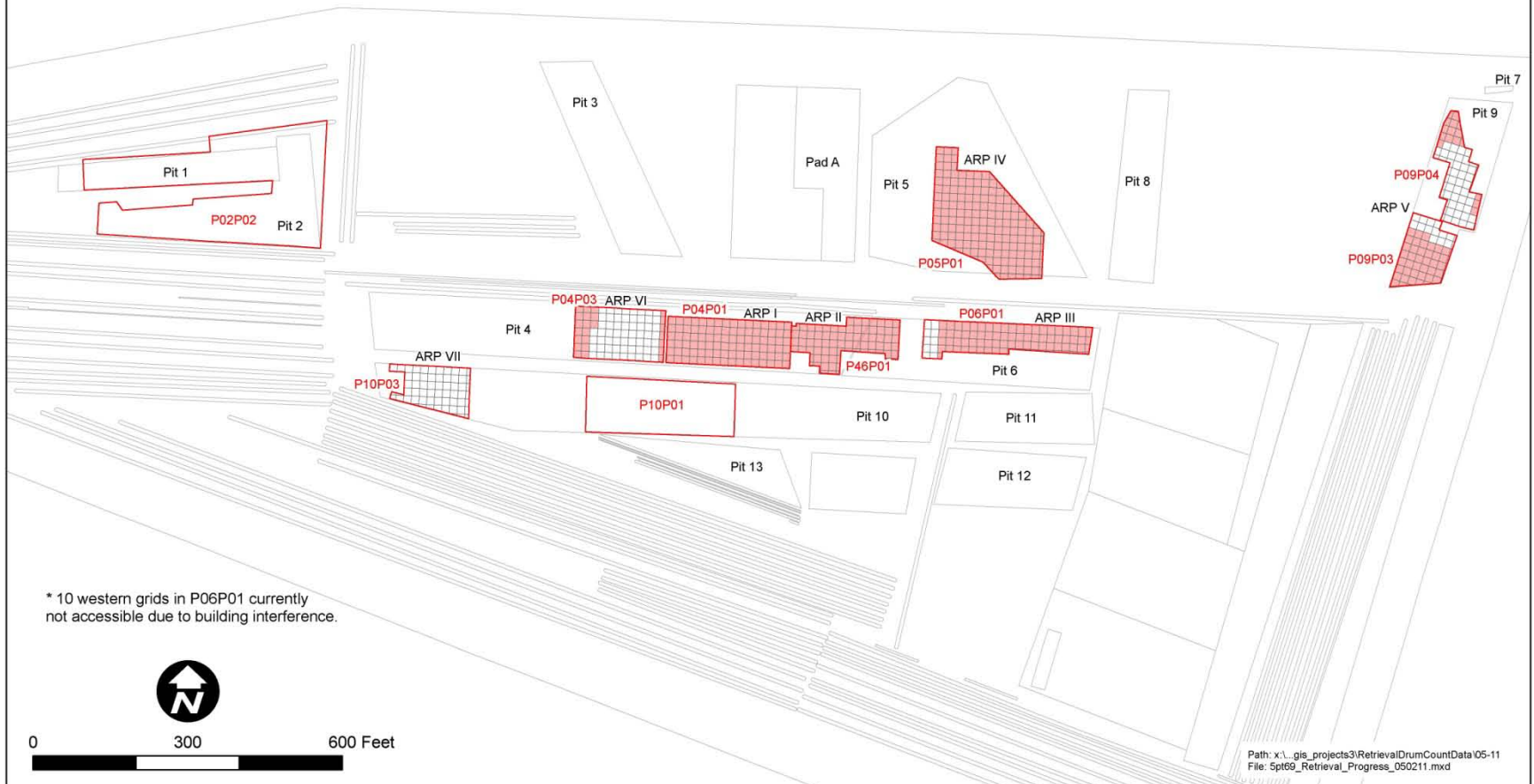
# ARP Process Improvements



- ◆ 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 m<sup>3</sup> 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