



U.S. DEPARTMENT OF  
**ENERGY**

OFFICE OF  
**ENVIRONMENTAL  
MANAGEMENT**

# Idaho Cleanup Project (ICP) Decontamination and Decommissioning (D&D)

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**R. Mark Shaw**  
Federal Project Director

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- **Background/Requirements Drivers**
- **Overview of Scope Elements**

# Background/Regulatory Drivers

**EM owns 308 buildings and structures at the INL. Over 2.1M ft<sup>2</sup> of building footprint. Not every building will be demolished...some may be transferred, some may be repurposed for other uses.**

**There is no regulatory driver that says you must D&D surplus facilities.**

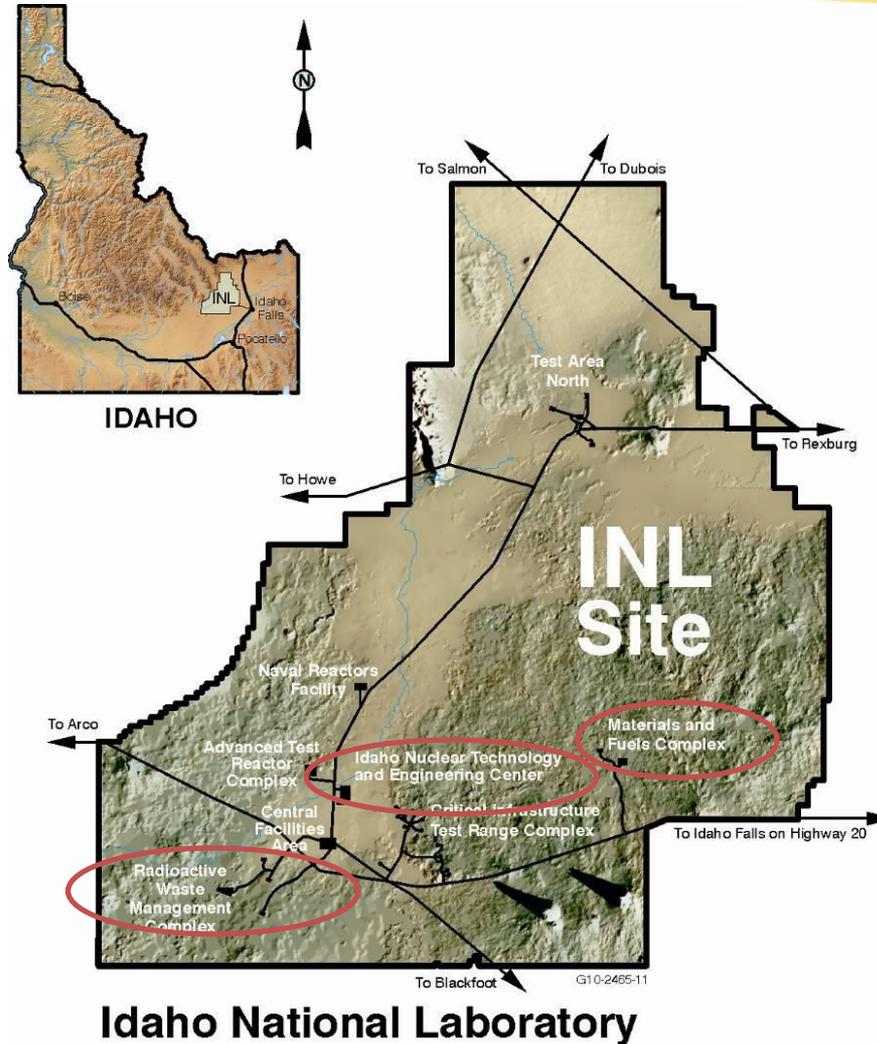
**D&D is done according to the 1995 joint EPA/DOE policy that says D&D should be done as a CERCLA Non-Time Critical Removal Action.**

**Follows the Engineering Evaluation/Cost Analysis (EE/CA) and Action Memo (AM) Process**

**Facilities with RCRA Permits typically undergo RCRA Closure as part of the D&D process.**

**D&D scope is generally driven by funding and building availability rather than by compliance milestones.**

# Site Map



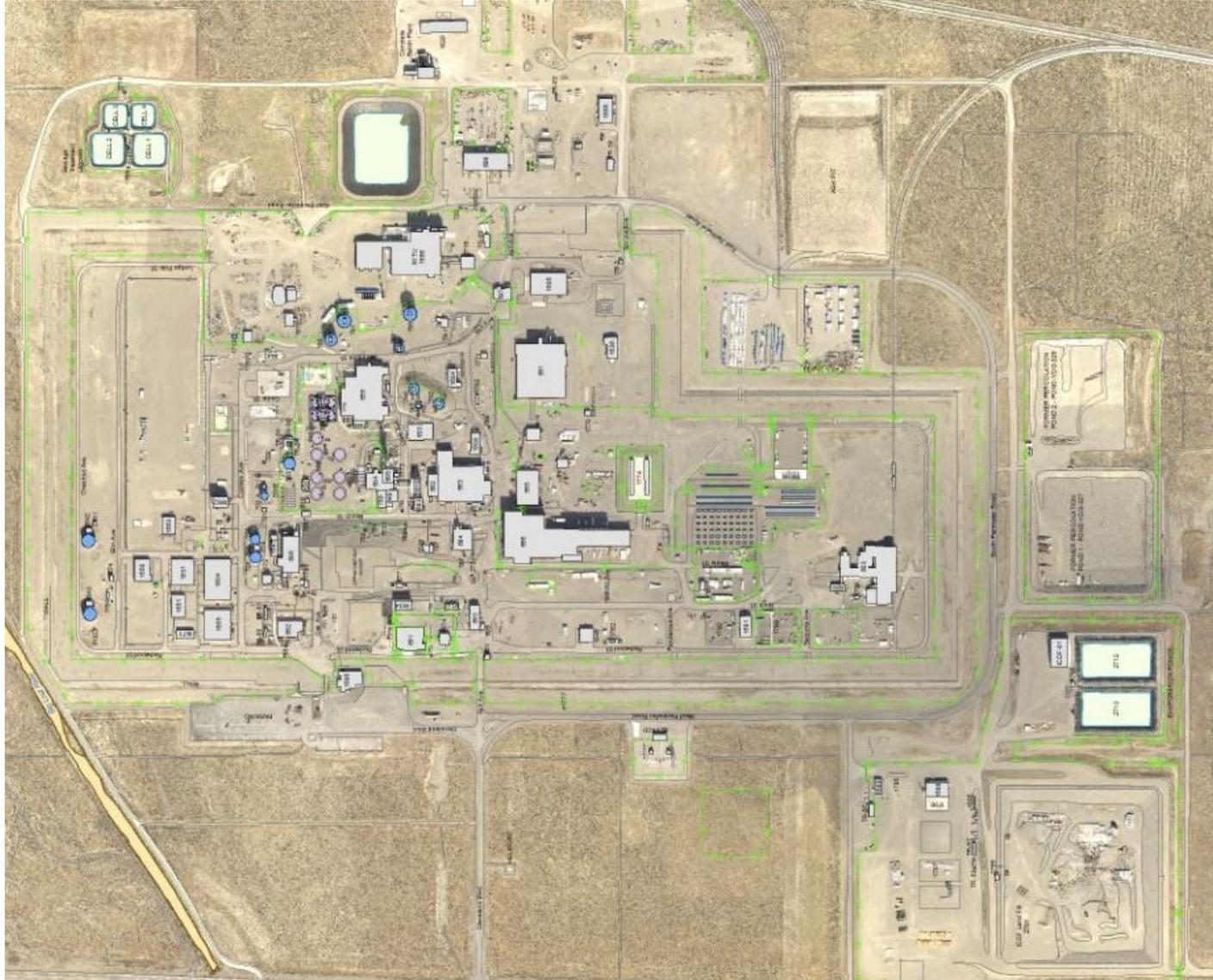
## Decontamination and Decommissioning (D&D)

### Idaho Nuclear Technology and Engineering Center (INTEC)

- 78 Buildings
- 90 Structures

Significant buildings include:

- New Waste Calcining Facility (NWCF) Complex – 18 buildings/structures
  - Includes New Waste Calcining Facility, Process Equipment Waste Evaporator, Liquid Effluent Treatment and Disposal Building, Rare Gas Plant, Exhaust Stack
- CPP-666, FDP/FAST Facility, 152,388 ft<sup>2</sup>
- Seven small buildings/structures on the INTEC Tank Farm – approx. 3000 ft<sup>2</sup> total



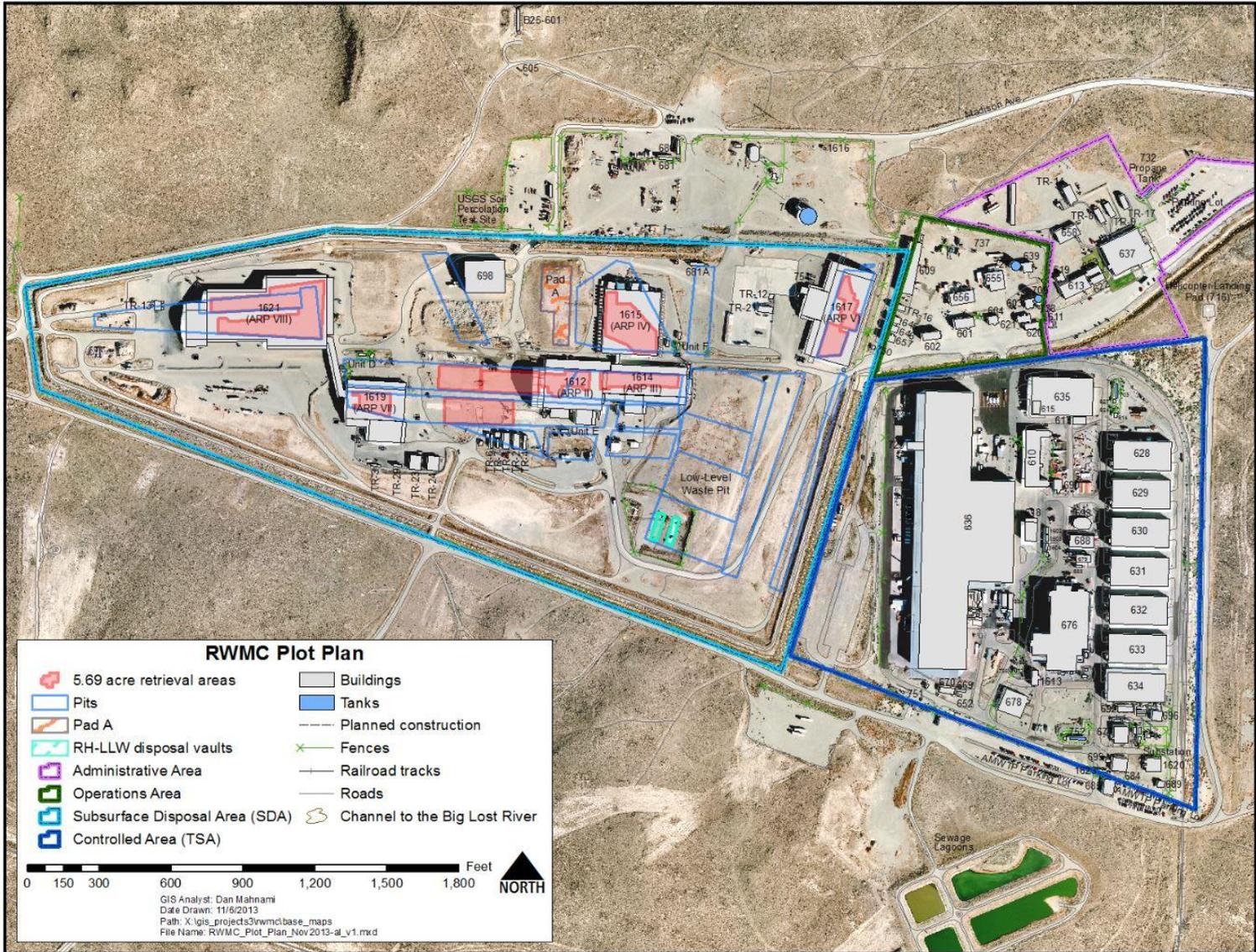
## Decontamination and Decommissioning (D&D)

### Advanced Mixed Waste Treatment Project (AMWTP)

- 52 Buildings
- 10 Structures

Significant buildings include:

- WMF-636, TSA Retrieval Enclosure, 314,224 ft<sup>2</sup>
- WMF-676, Advanced Mixed Waste Treatment Facility, 234,922 ft<sup>2</sup>
- WMF-628 – 634, Type II Storage Modules, 28,800 ft<sup>2</sup> each



## Decontamination and Decommissioning (D&D)

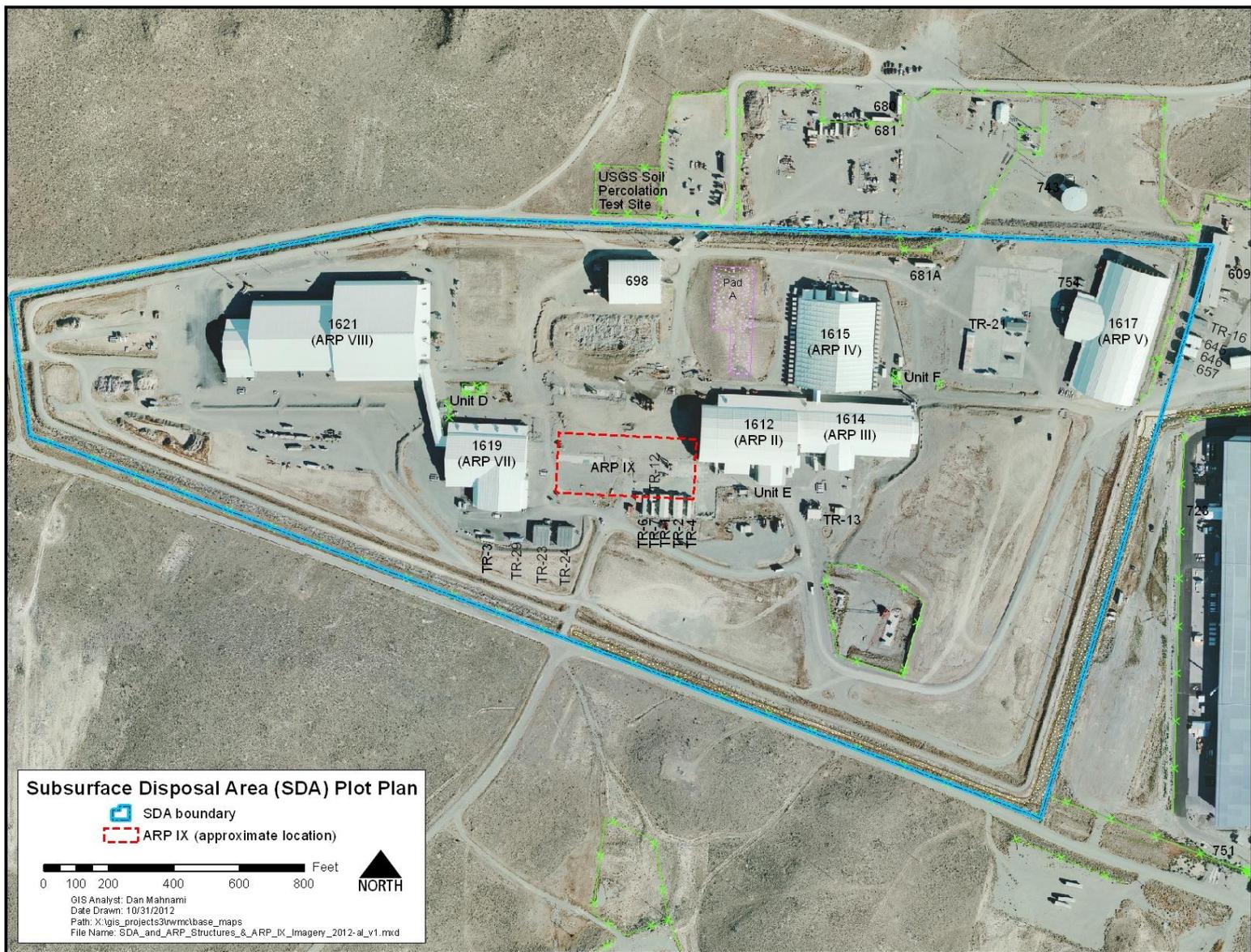
- Accelerated Retrieval Project

Significant buildings include:

- WMF-1612, ARP-II Retrieval Enclosure, 46,038 ft<sup>2</sup>
- WMF-1614, ARP-III Retrieval Enclosure, 35,040 ft<sup>2</sup>
- WMF-1615, ARP-IV Retrieval Enclosure, 63,450 ft<sup>2</sup>
- WMF-1617, ARP-V Retrieval Enclosure, 62,700 ft<sup>2</sup>
- WMF-1619, ARP-VII Retrieval Enclosure, 42,000 ft<sup>2</sup>
- WMF-1619, ARP-VIII Retrieval Enclosure, 42,000 ft<sup>2</sup>

- Materials and Fuel Complex

- MFC-766, Sodium Boiler Building 14,546 sq. ft.
- MFC-767, EBR-II Reactor Building 18,967 sq. ft.



## ARP-VIII



## MFC-767, EBR-II Reactor Building



## Interdependencies and Interfaces

- Sodium Bearing Waste Treatment must be completed at IWTU before INTEC Tank Farm and Liquid Waste facilities can be D&D'd