

# Idaho Cleanup Project



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*Nuclear Renaissance/Accelerated Cleanup*

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# ***Accelerated Idaho Cleanup Vision***

By 2012, the Idaho Cleanup Project will have achieved significant risk reduction and will have placed materials in safe storage ready for disposal. By 2020, the Idaho Cleanup Project will have completed all active cleanup work with potential to further accelerate cleanup to 2016.

## **Two Objectives**

- Risk reduction and continued protection of the Snake River Plain Aquifer
- Consolidation of EM activities and reinvestment into cleanup, then resources can be shifted to building nuclear infrastructure and supporting increased NE mission

## **Nine Strategic Initiatives**



# ***Accelerated Cleanup Initiatives***

## *1. Accelerate Tank Farm Closure*

- Treat remaining sodium-bearing waste and close tanks by 2012*
- Treat, package and ship sodium-bearing waste off-site by 2012*



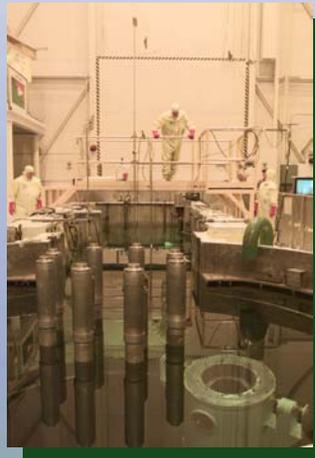
# ***Accelerated Cleanup Initiatives (cont.)***

2. *Accelerate High-Level Waste Calcine Removal from Idaho*
  - *Characterize calcine to support repository acceptance by 2012*
  - *Retrieve, stabilize, package and ship calcine to repository by 2035*



## ***Accelerated Cleanup Initiatives (cont.)***

3. *Accelerate Consolidation of Spent Nuclear Fuel to the Idaho Nuclear Technology and Engineering Center*
  - *Complete transfer from wet to dry storage by 2012*
  - *Begin transfer to dry storage project in 2005*
  - *Complete shipping of spent nuclear fuel to repository by January 1, 2035*



# ***Accelerated Cleanup Initiatives (cont.)***

4. *Accelerate Off-Site Shipment of Transuranic Waste Stored in the Transuranic Waste Storage Area*
  - *Begin shipment of remote-handled transuranic waste off-site as early as 2004 and complete by 2012*
  - *Ship remaining stored transuranic waste to WIPP by 2012*



# ***Accelerated Cleanup Initiatives (cont.)***

5. *Accelerate Remediation of Miscellaneous Contaminated Areas*
  - *Complete Voluntary Consent Order actions by 2012*
  - *Remediate Power Burst Facility, Central Facilities area, Test Area North, and Test Reactor Area by 2005*
  - *Complete site-wide active remediation by 2020*



# ***Accelerated Cleanup Initiatives (cont.)***

6. *Eliminate On-Site Treatment and Disposal of Low-Level and Mixed Low-Level Waste*
  - *Consolidate mixed waste storage to one facility by 2004*
  - *Eliminate mixed waste backlog by 2004*
  - *Cease on-site disposal of low-level waste in 2009*



# ***Accelerated Cleanup Initiatives (cont.)***

7. *Transfer all EM-Managed Special Nuclear Material Off-Site*
  - *Package and ship SNM to off-site locations by 2009*
  - *Cease EM management services for Special Nuclear Material by 2009*



# ***Accelerated Cleanup Initiatives (cont.)***

8. *Remediate Buried Waste in the Radioactive Waste Management Complex*
  - *Complete Pit 9 retrieval demonstration in support of Subsurface Disposal Area CERCLA remediation decision by 2007*



# ***Accelerated Cleanup Initiatives (cont.)***

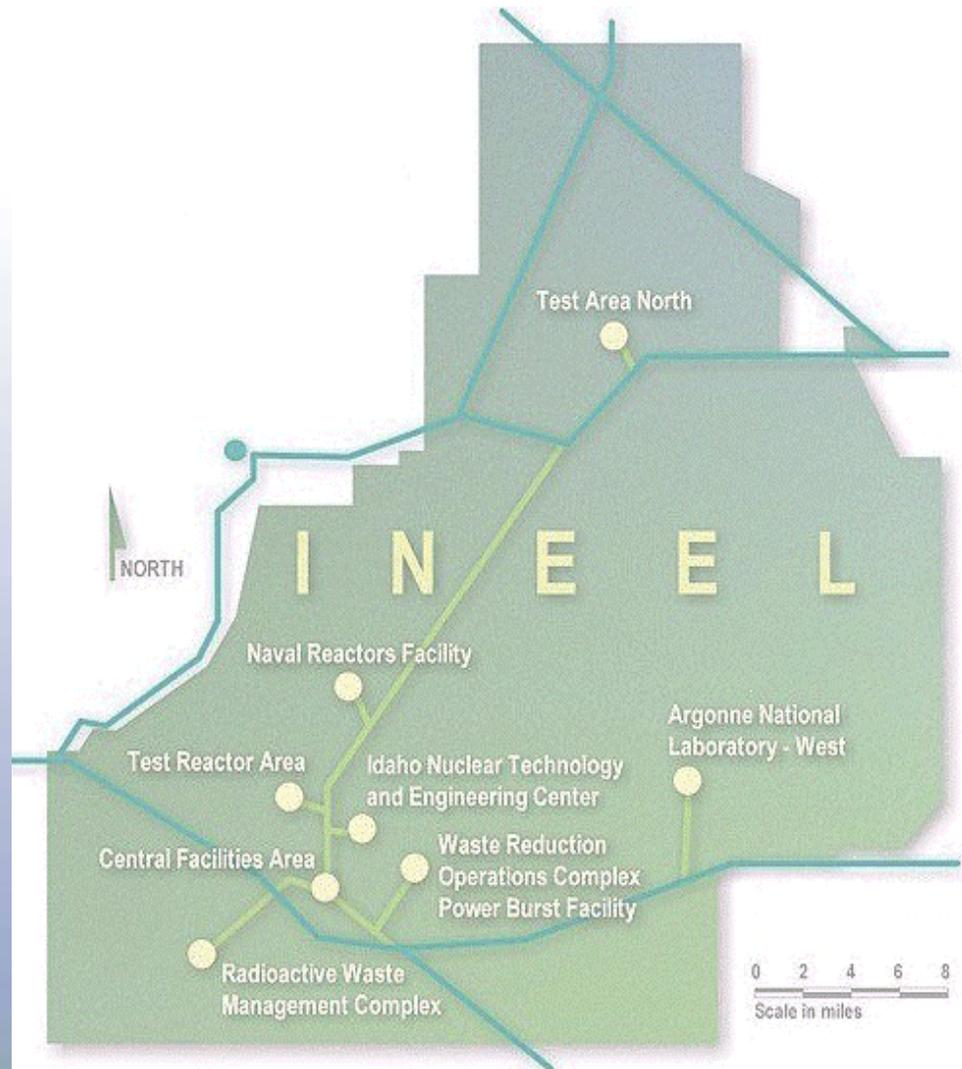
9. *Accelerate Consolidation of INEEL Facilities and Reduce Footprint*
  - *Consolidate EM activities to the Idaho Nuclear Technology and Engineering Center by 2012*
  - *Reduce EM footprint by 51% by 2012*



# ***Cleanup Work Remaining after 2012***

- *Retrieval, packaging, and shipment of calcine to repository*
- *Completion of INTEC (WAG 3) remediation*
- *Completion of site-wide (WAG 10) remediation*
- *Completion of remediation in the Subsurface Disposal Area*
- *Final characterization, packaging and shipment of spent nuclear fuel to repository*
- *Treatment and disposal of any incidental waste generated from above projects*





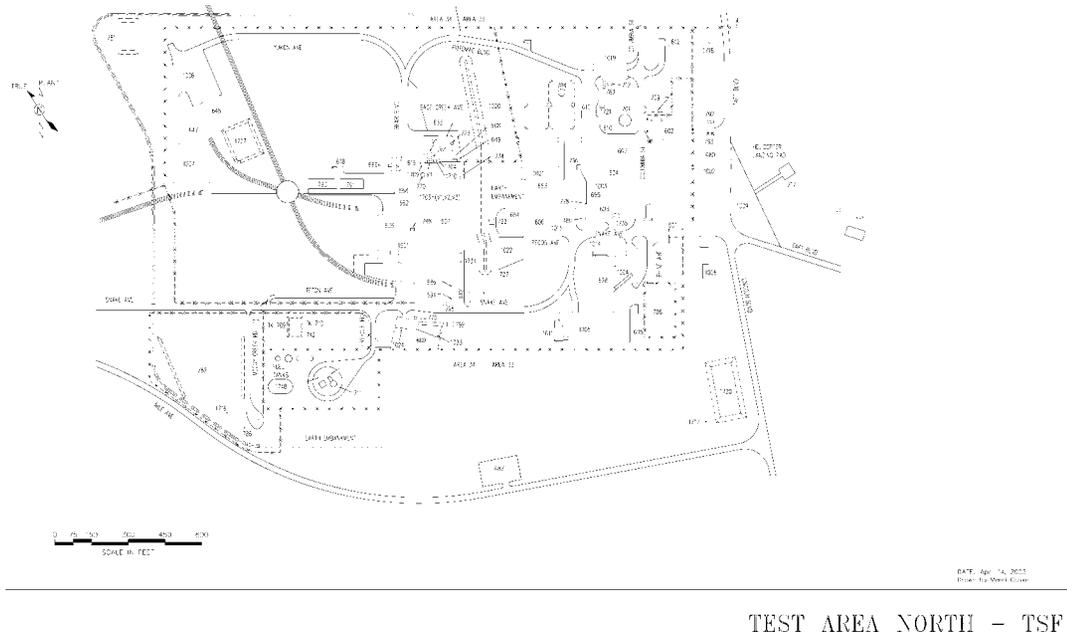
# Test Area North (TAN)



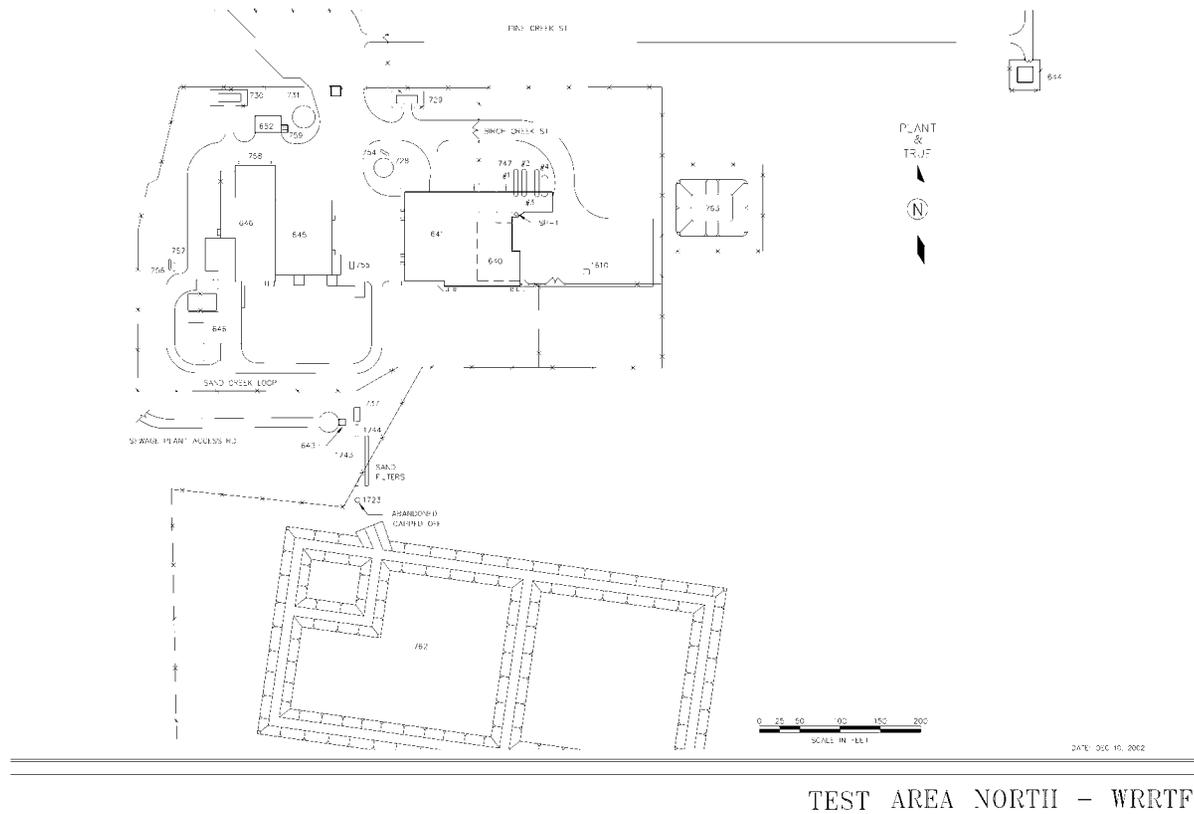
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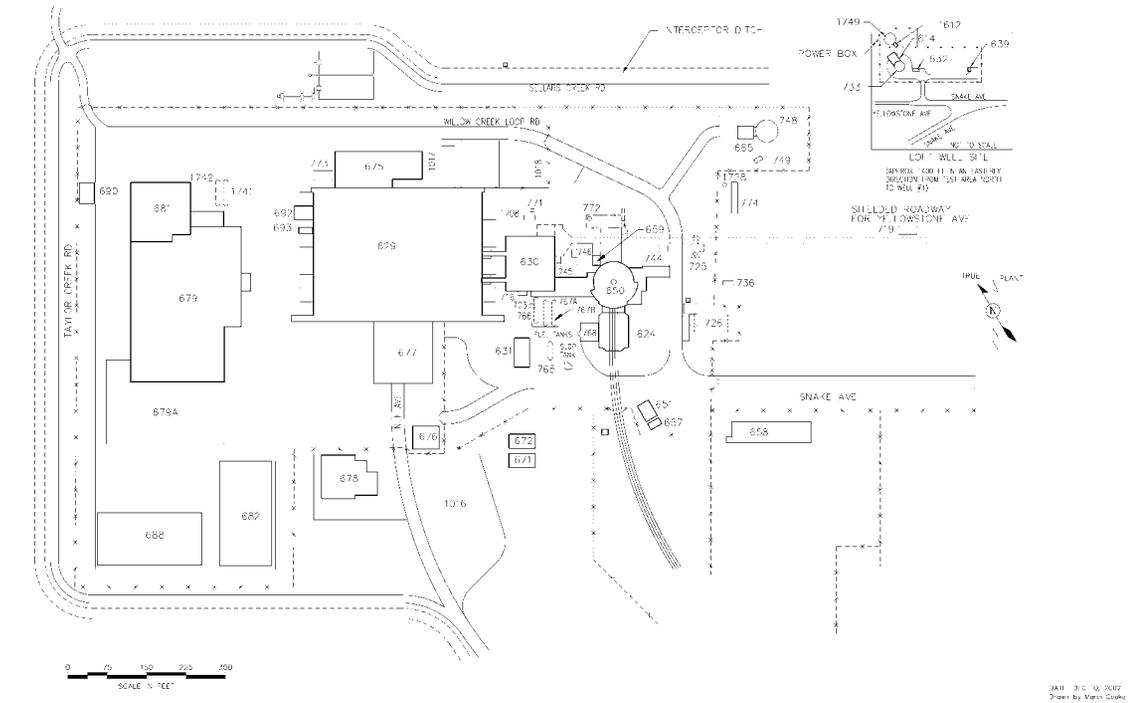
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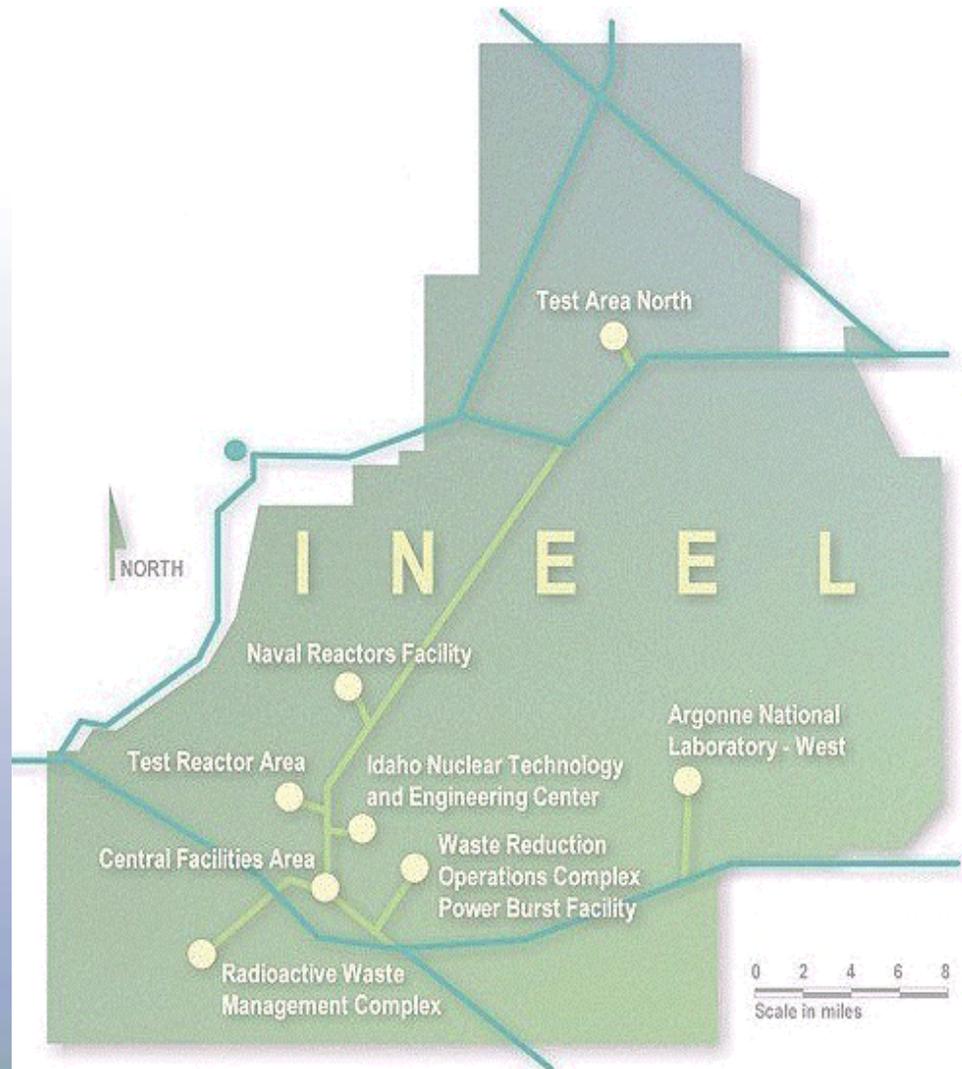


# Test Area North (TAN)



TEST AREA NORTH - CTF





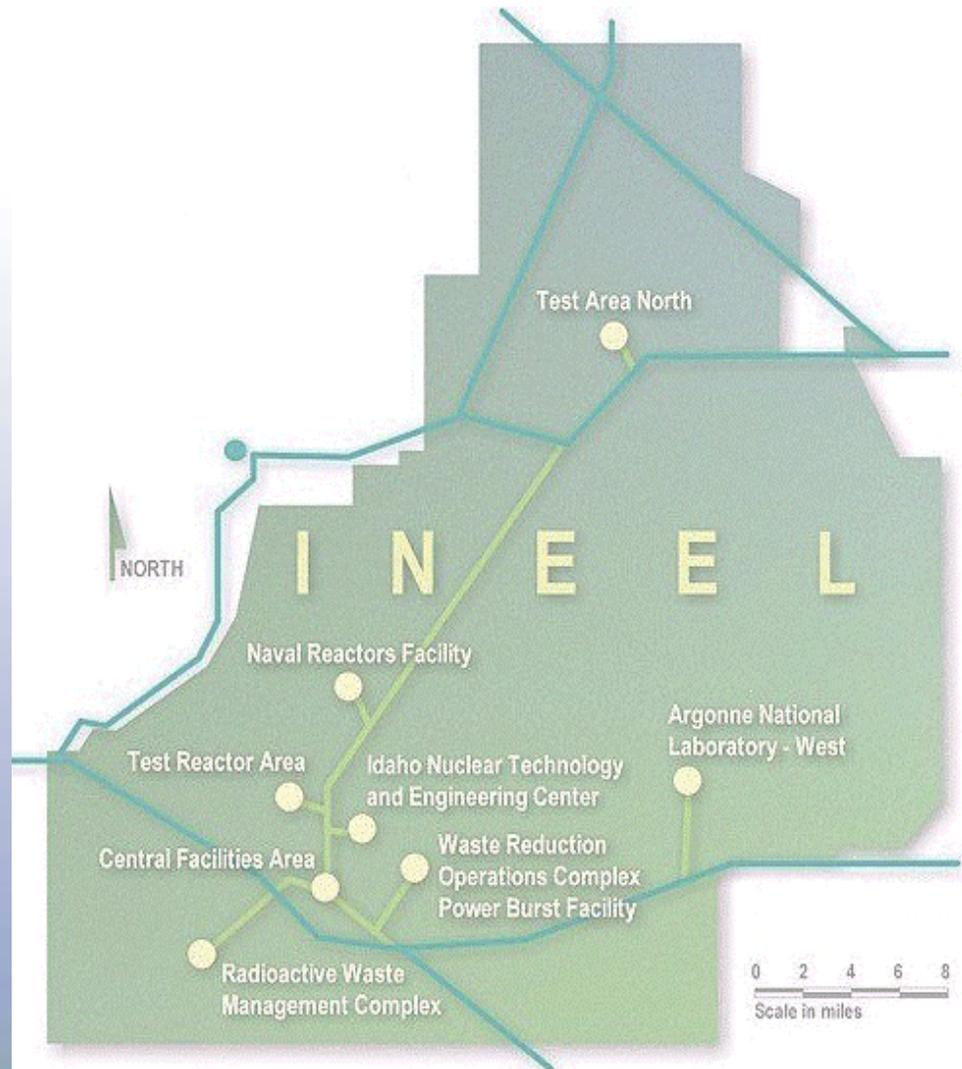
# Test Reactor Area (TRA)



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



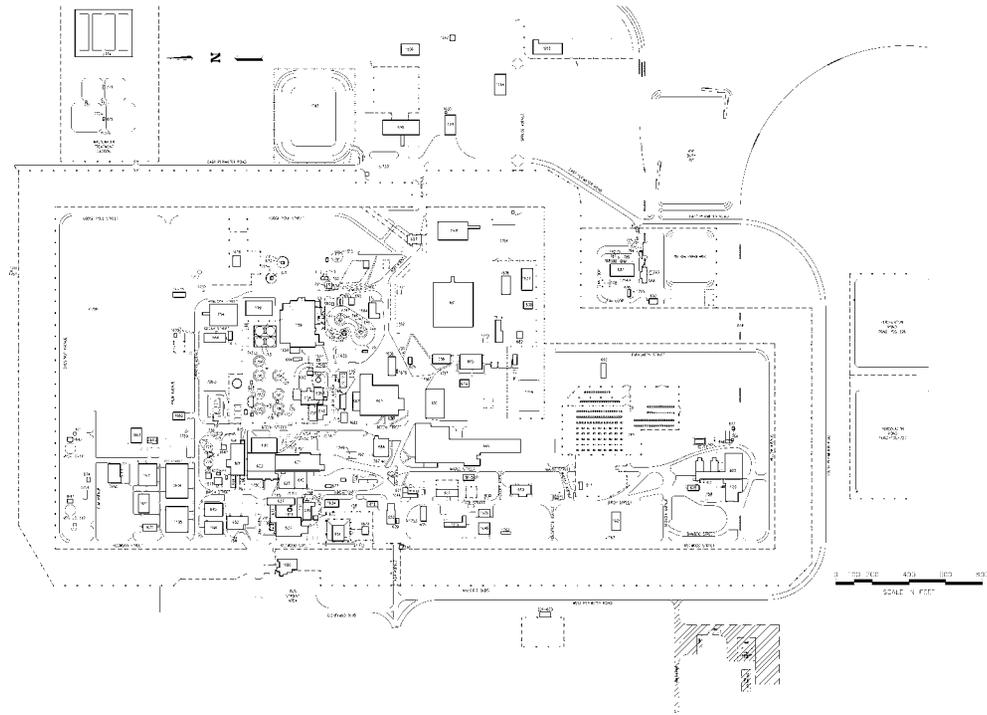
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# Idaho Nuclear Technology and Engineering Center (INTEC)

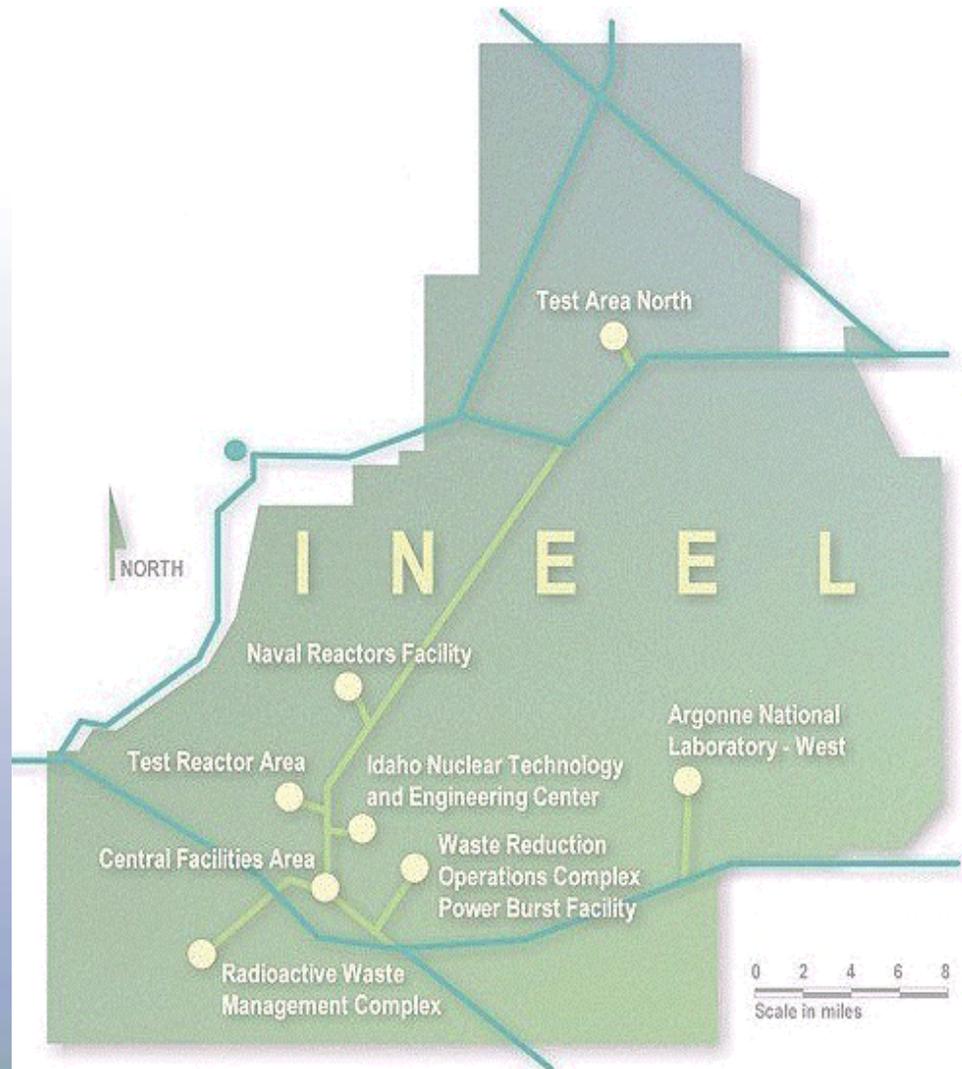


IDAHO NUCLEAR TECHNOLOGY & ENGINEERING CENTER



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# Central Facilities Area (CFA)



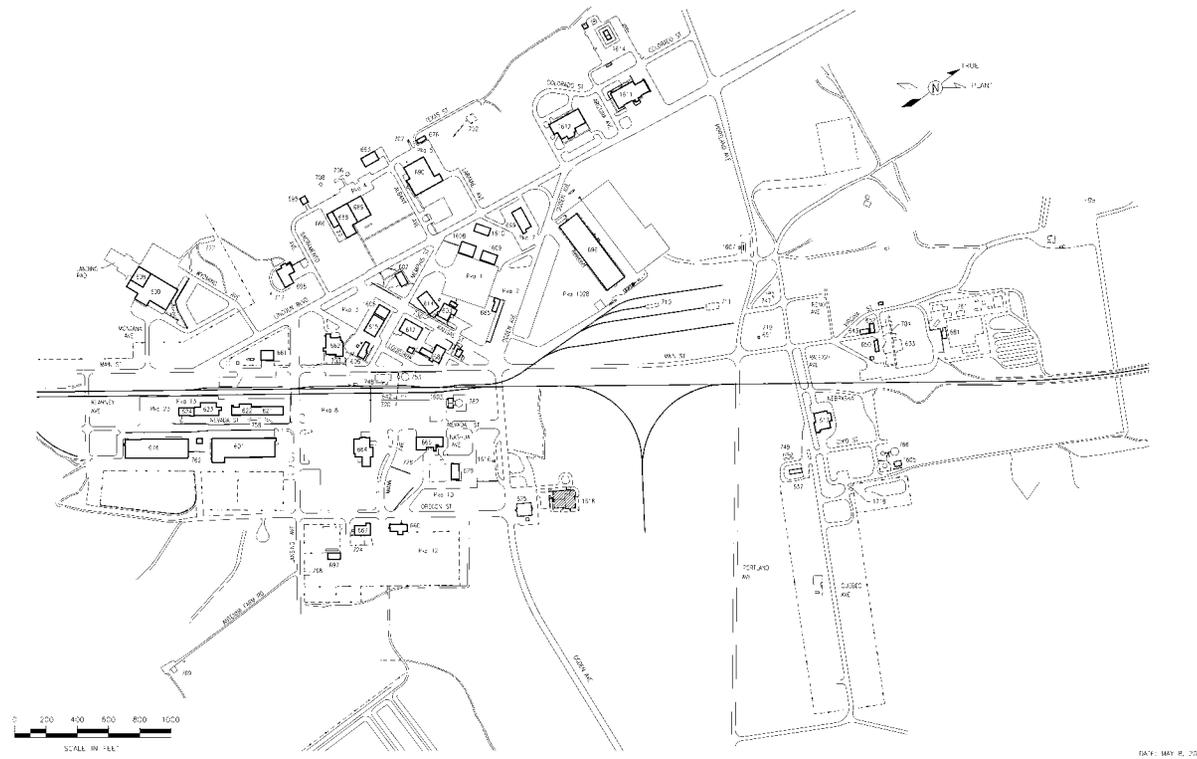
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# Central Facilities Area (CFA)

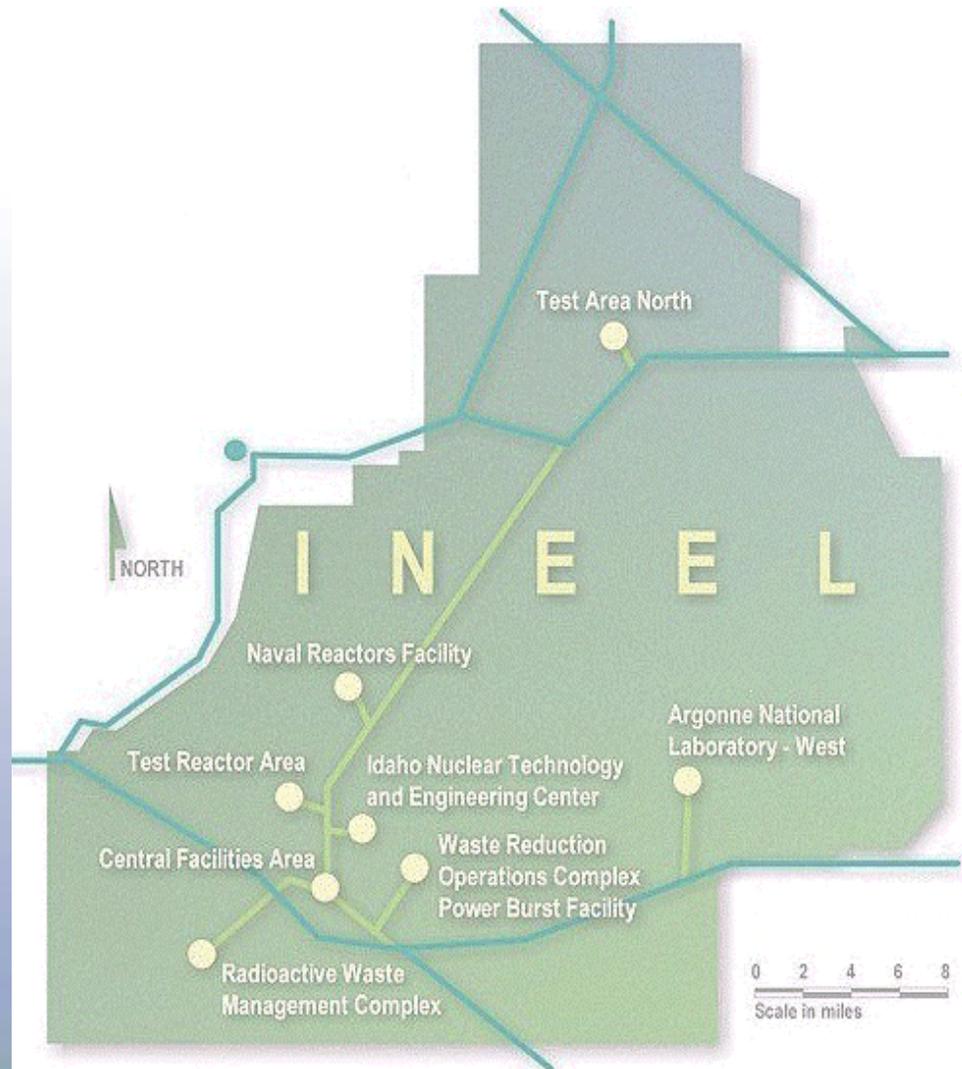


CENTRAL FACILITIES AREA



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# Waste Reduction Operations Complex (WROC)



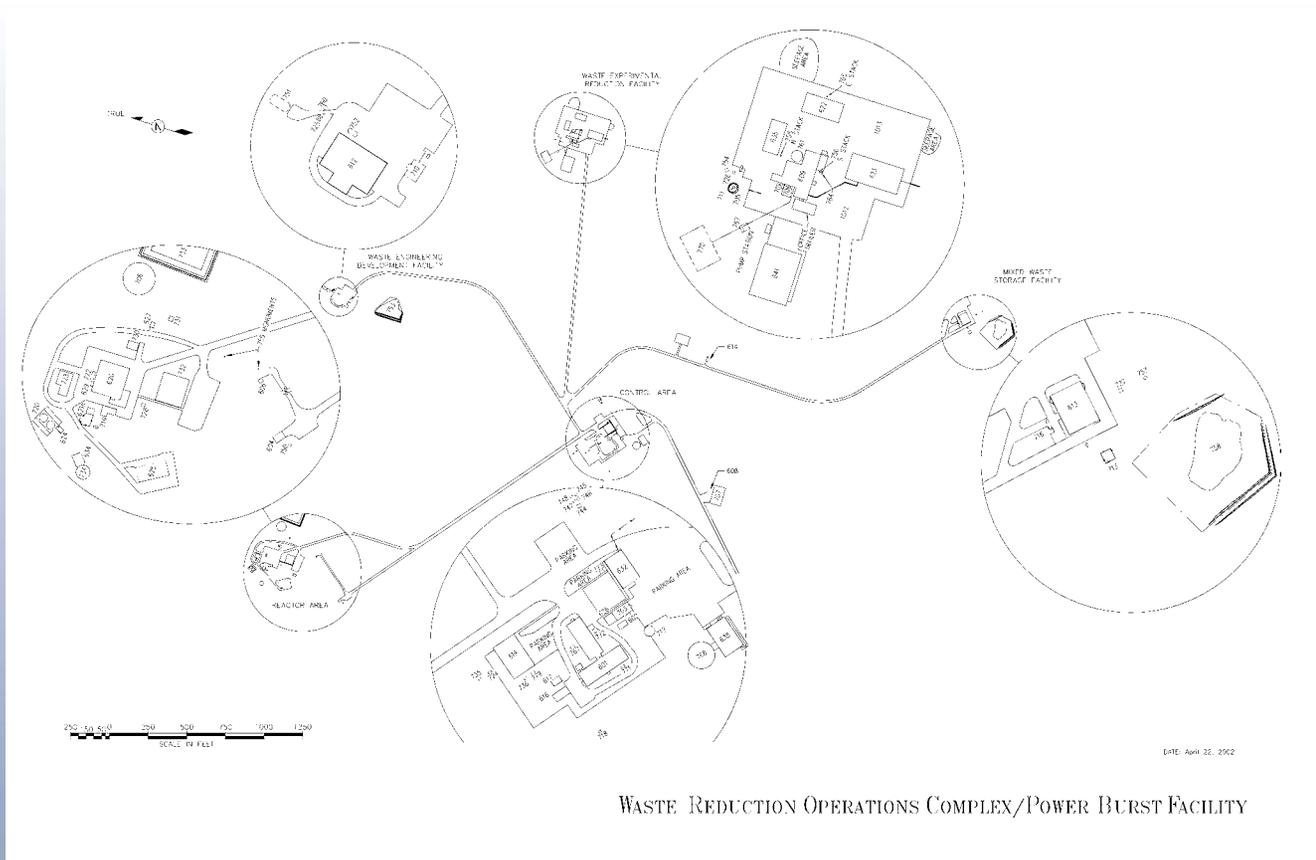
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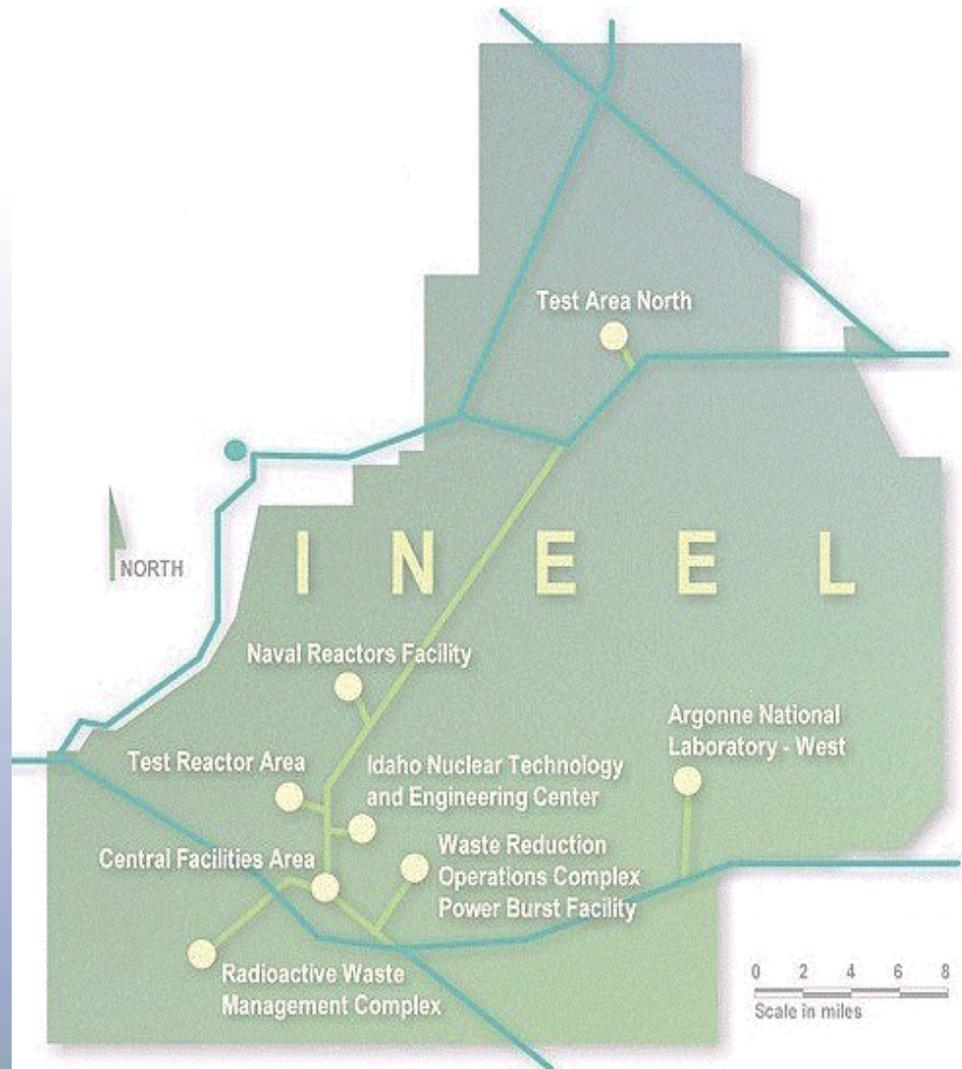


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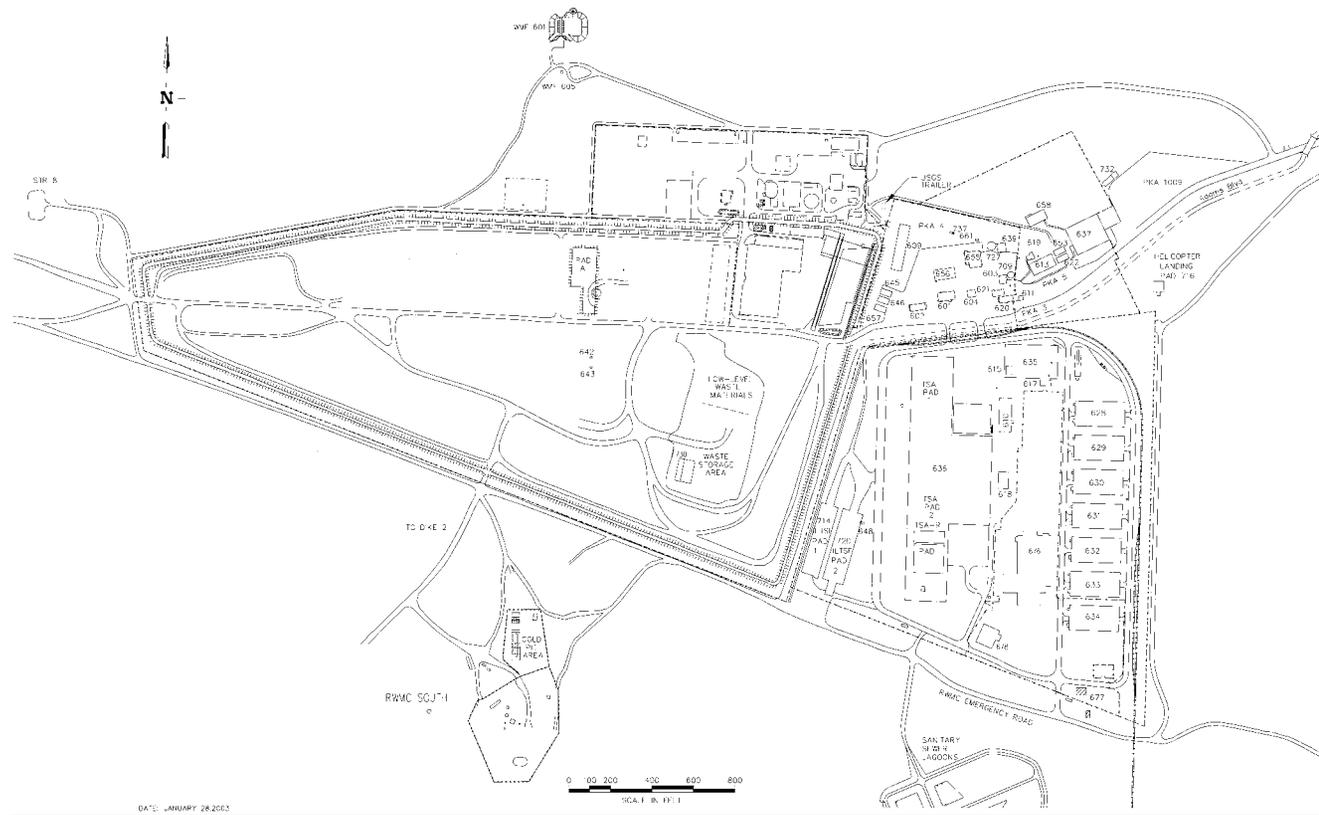




# Radioactive Waste Management Complex (RWMC)



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RADIOACTIVE WASTE MANAGEMENT COMPLEX

