

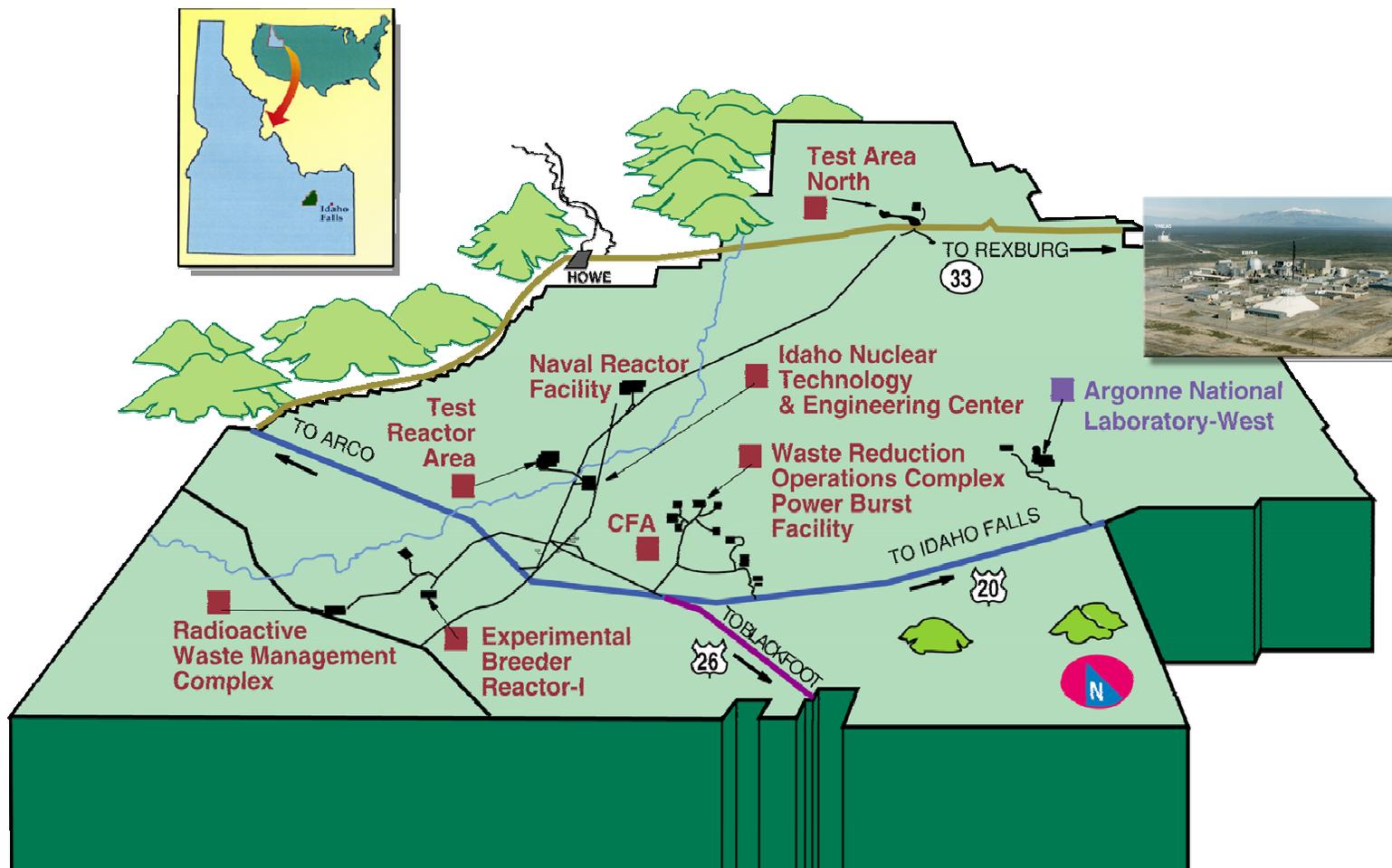
ARGONNE NATIONAL LABORATORY - WEST SITE OVERVIEW

Mark Holzmer
U.S. Department of Energy

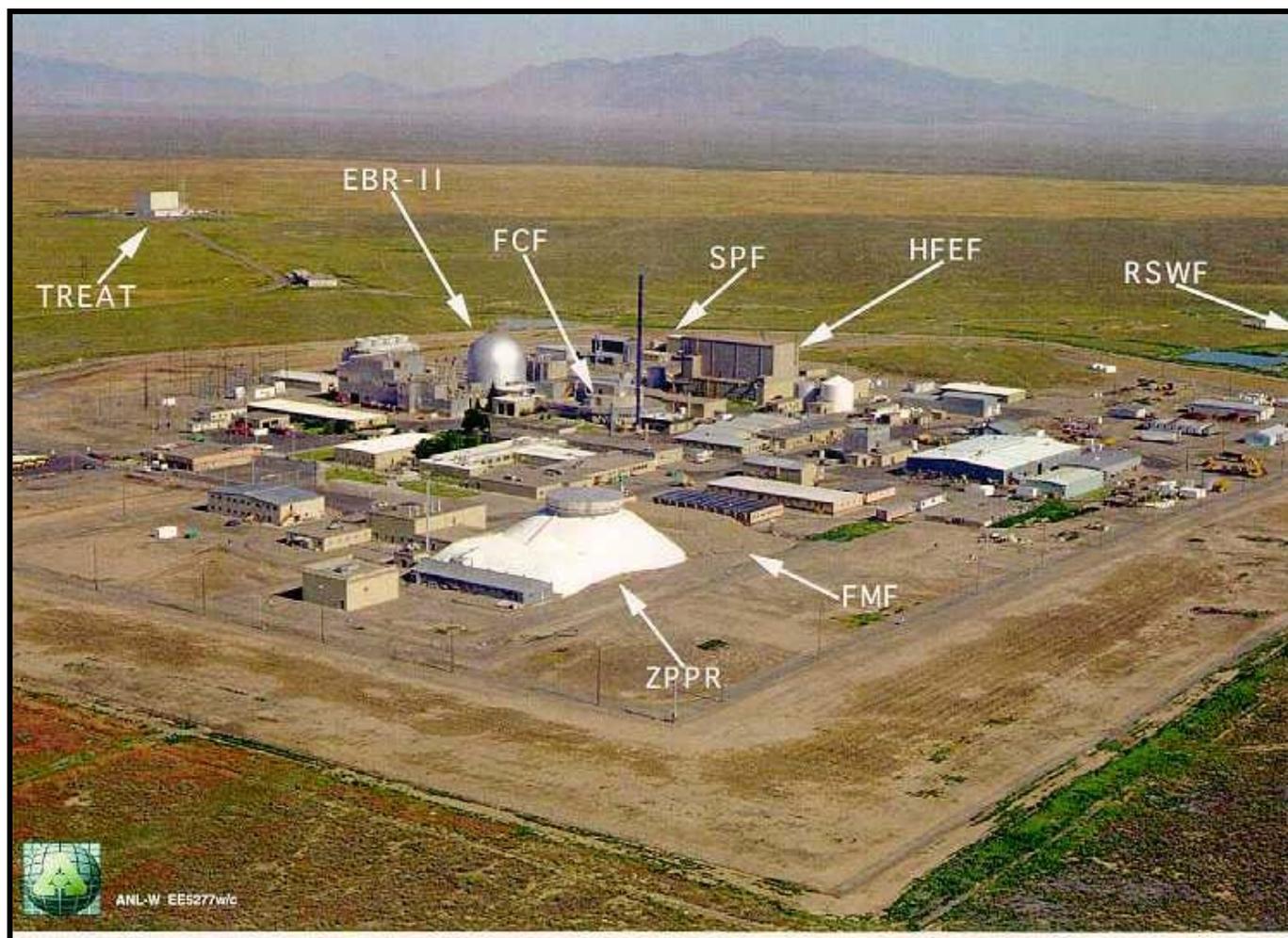
June 18, 2003



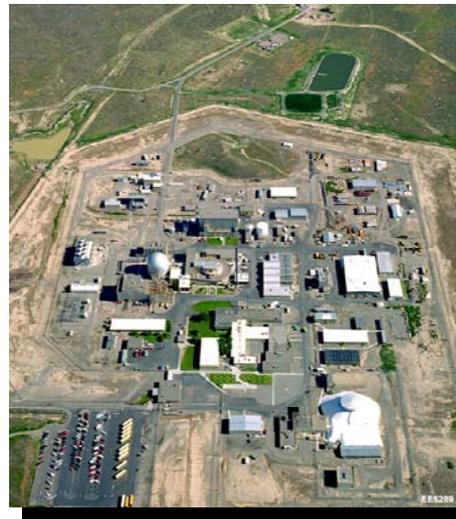
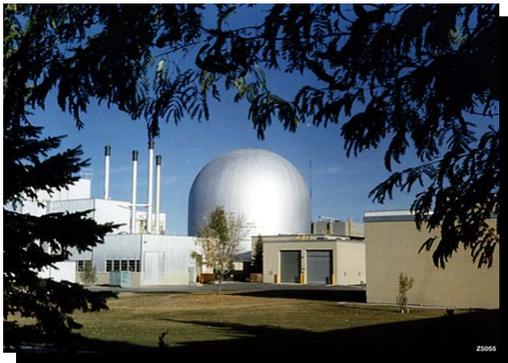
Argonne National Laboratory-West



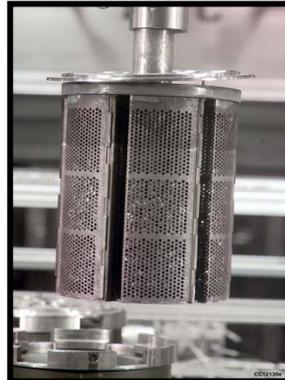
Argonne National Laboratory-West



ANL-W Infrastructure



Advanced Fuel Cycle Initiative



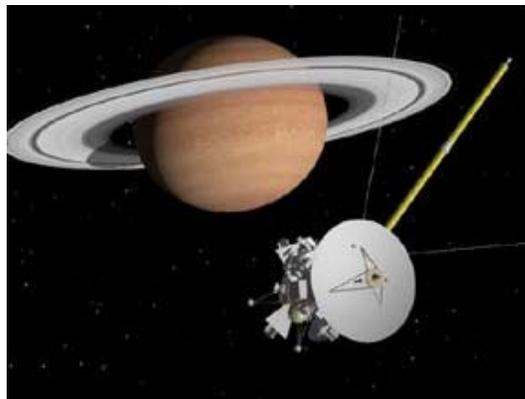
AFCI Use of ANL-West Facilities



- *Fuel Conditioning Facility*
- *Hot Fuel Examination Facility*
- *Analytical Laboratory*
- *Casting Lab*
- *Fuel Manufacturing Facility*
- *TREAT*
- *EBR-II facility*
- *Fuel Assembly Storage Building*
- *Electron Microscopy Laboratory*
- *Engineering Development Laboratory*
- *Radioactive Scrap and Waste Facility*



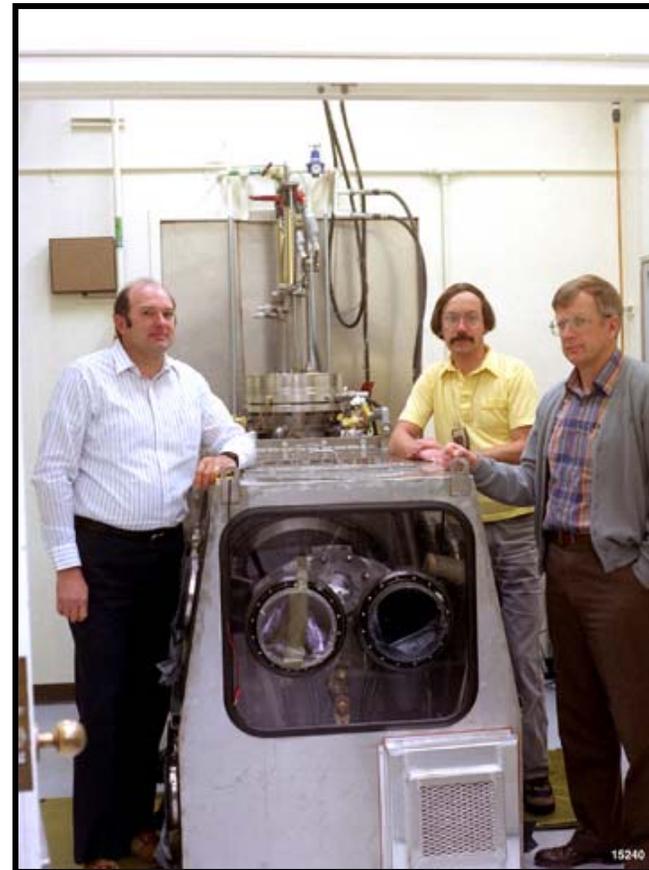
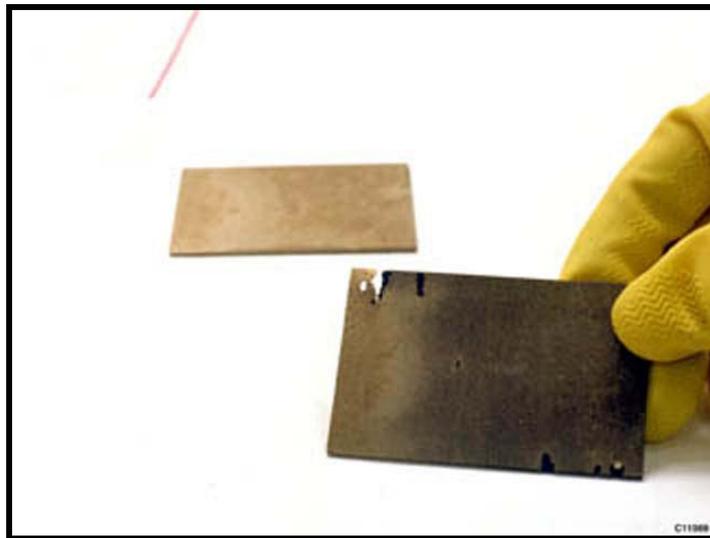
Radioisotope Power Source Program



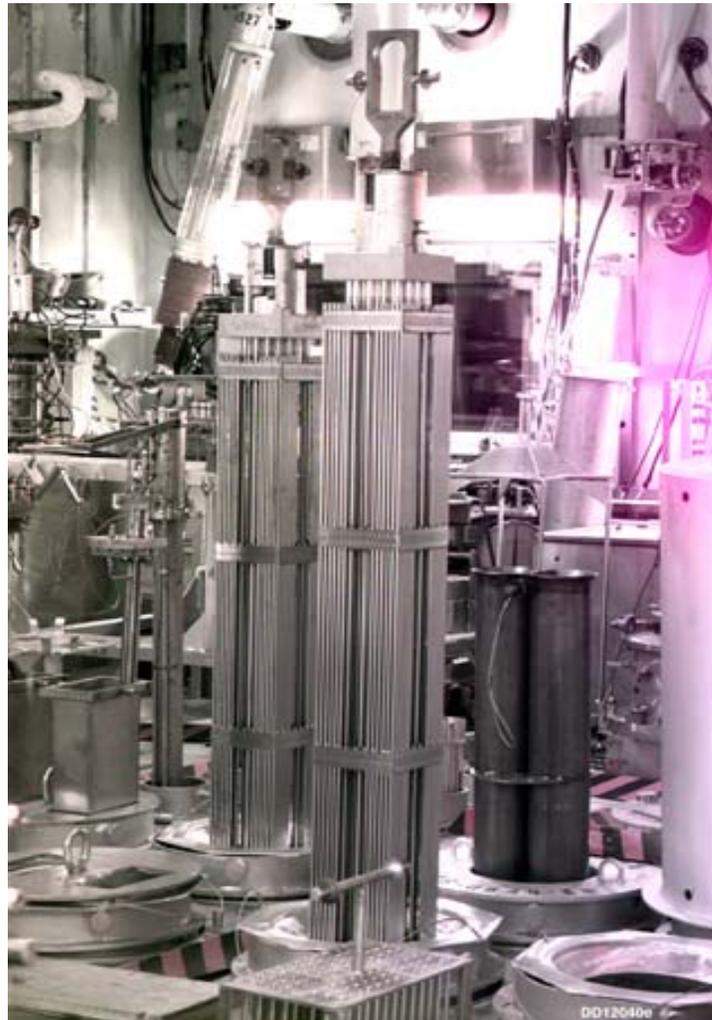
Radioisotope Power Source Program



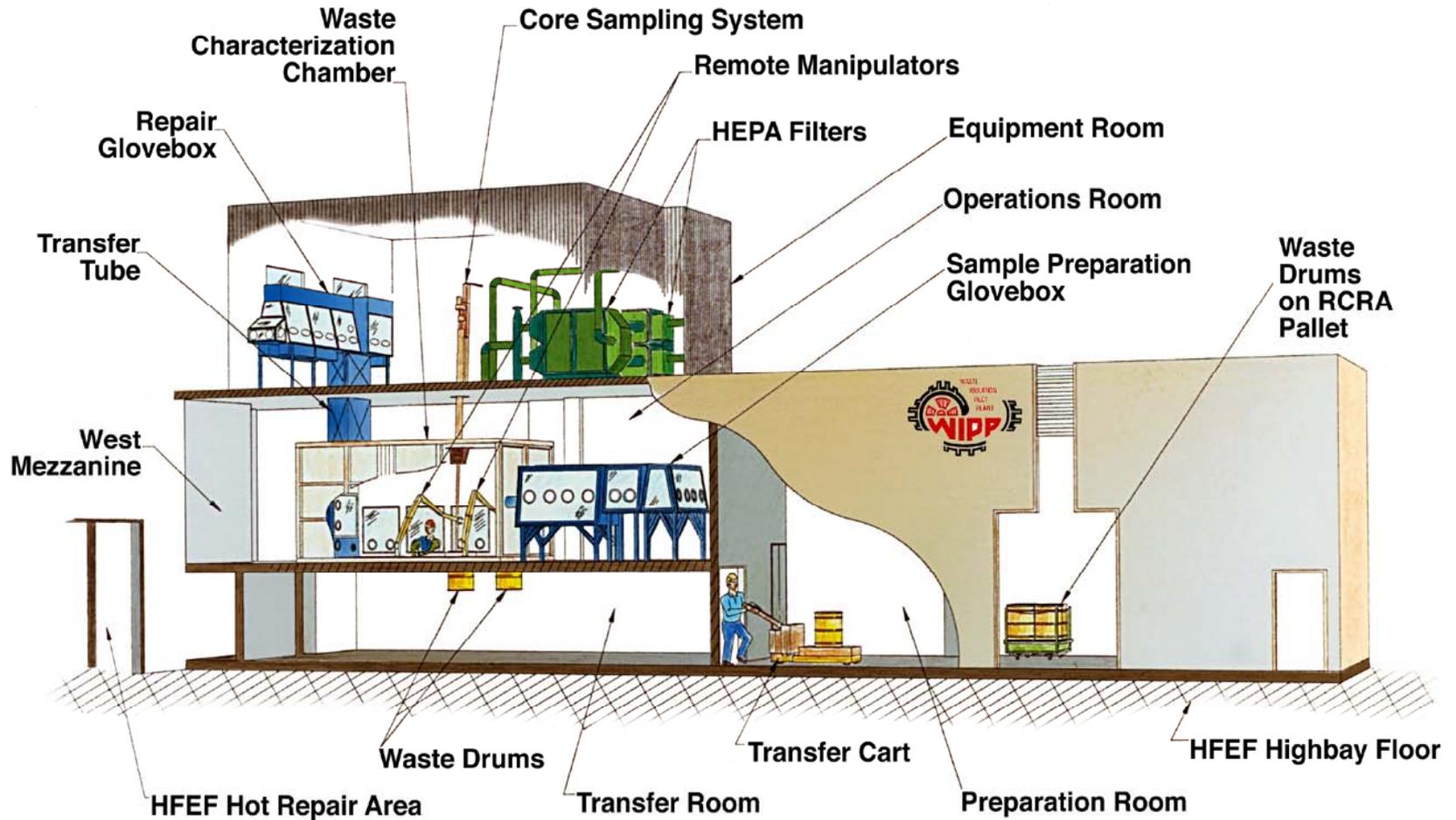
Highly Enriched Uranium Production



Tritium Producing Burnable Absorber Rods



TRU Waste Core Sampling Facility



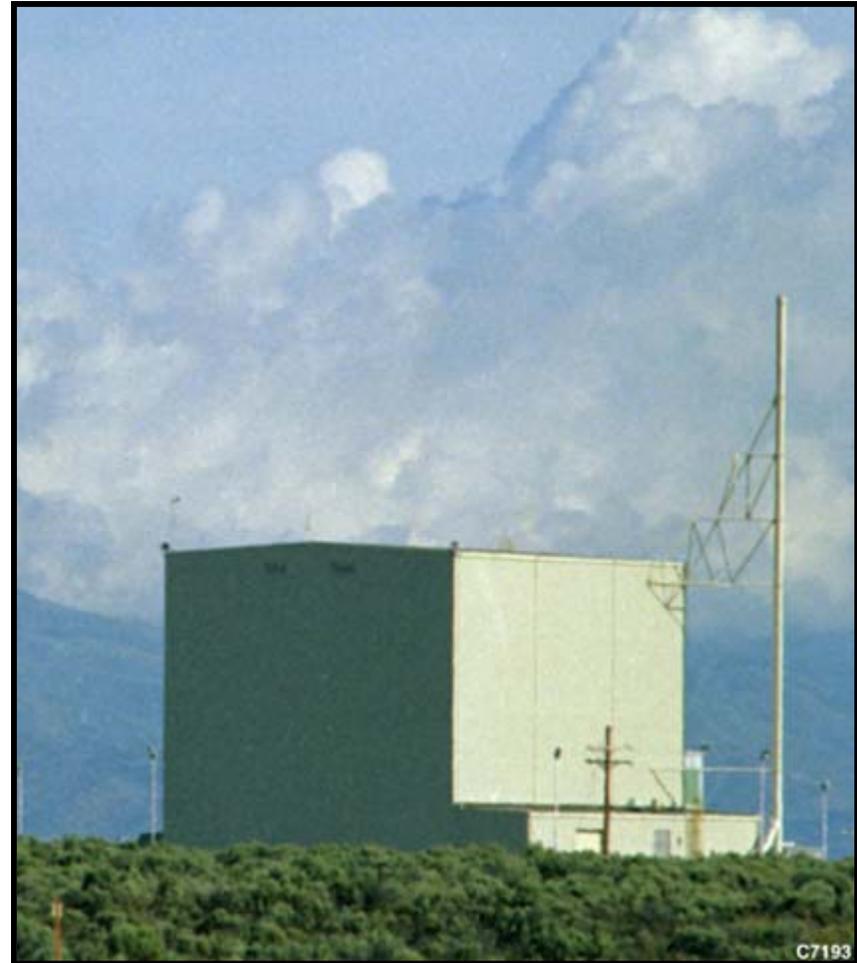
TRU Waste Core Sampling Facility



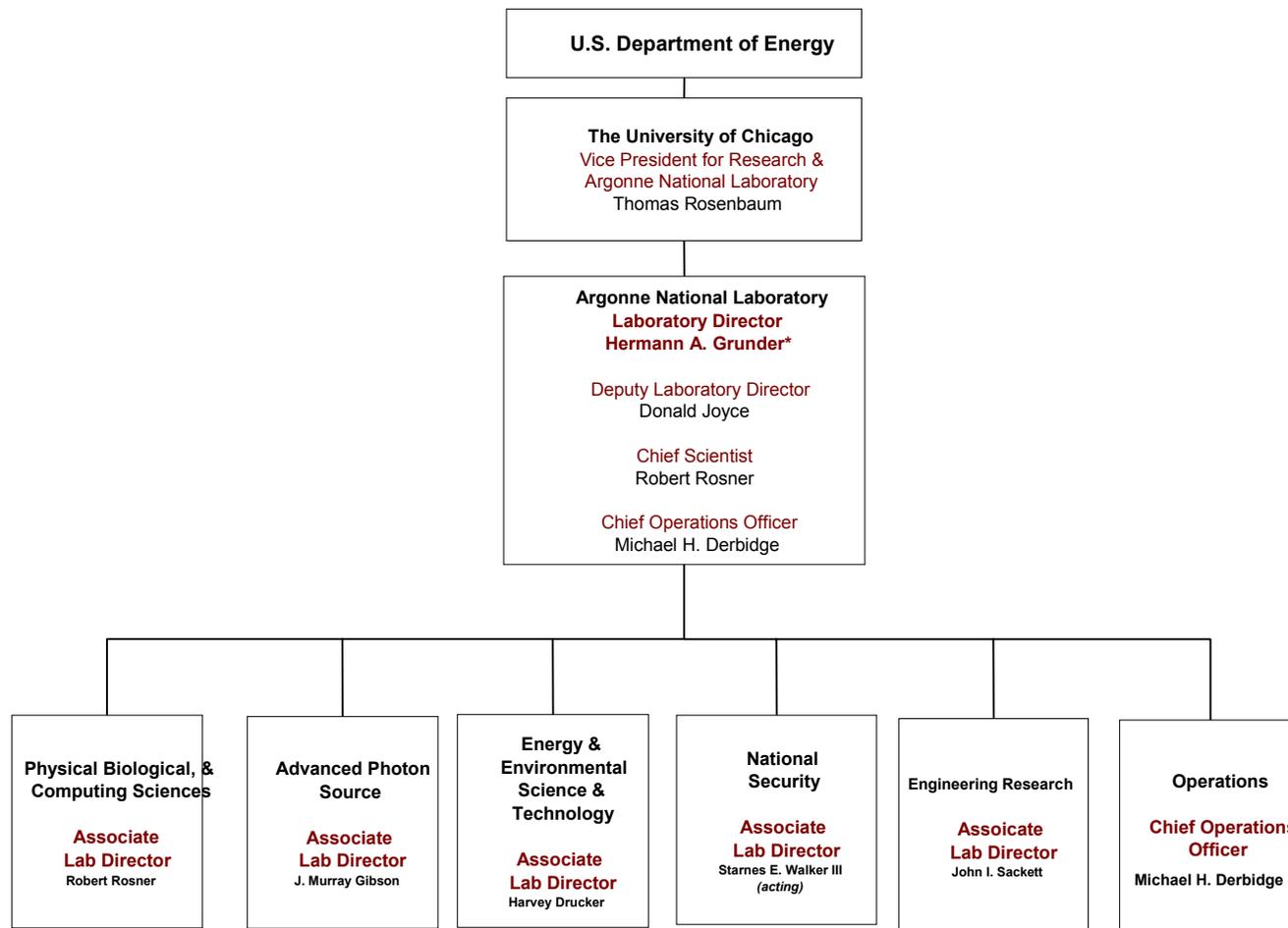
BN-350 Reactor Shutdown Project



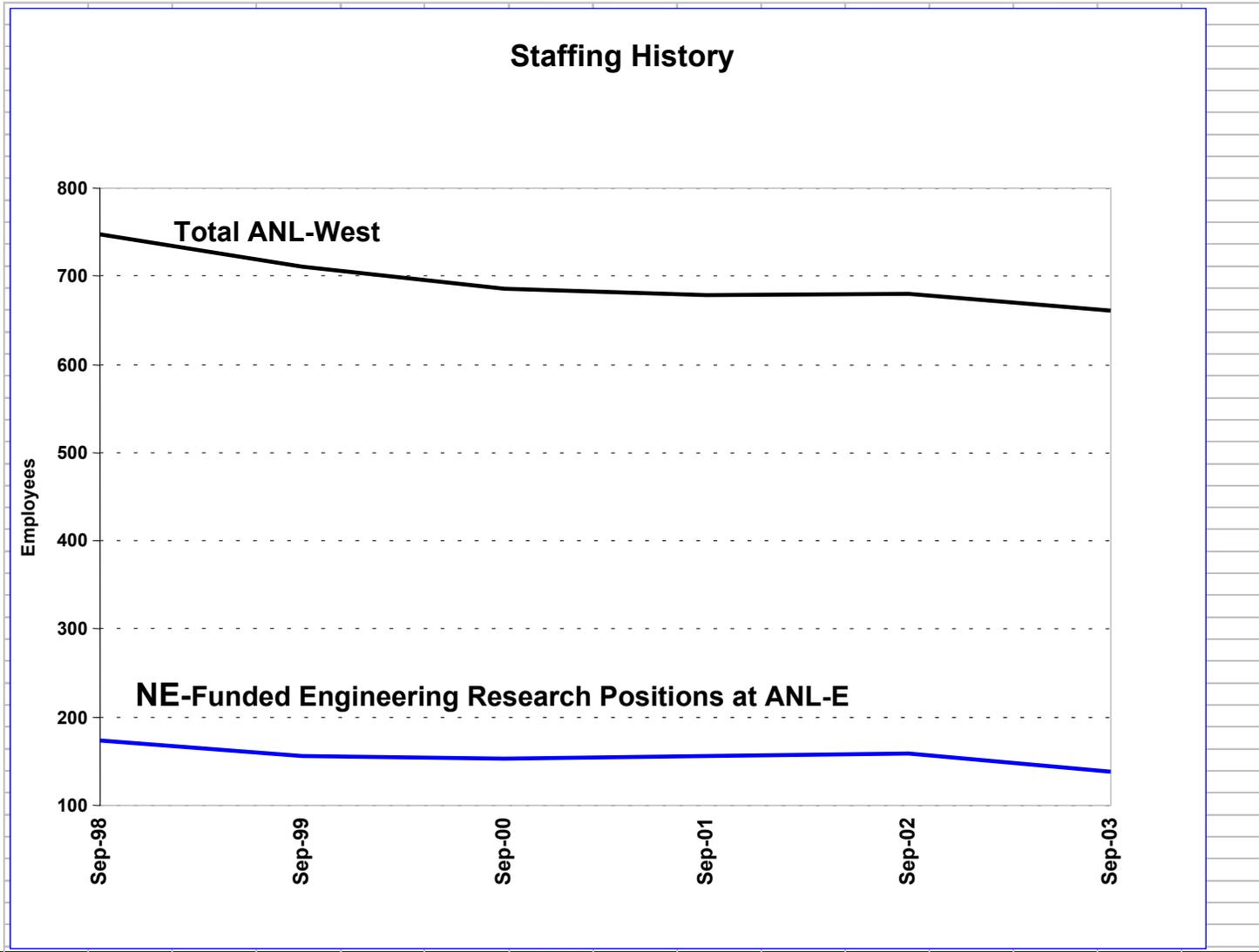
ANL-W RCRA Permitted Treatment Facilities



Argonne National Laboratory
operated by the U.S. Department of Energy by The University of Chicago



Staffing History

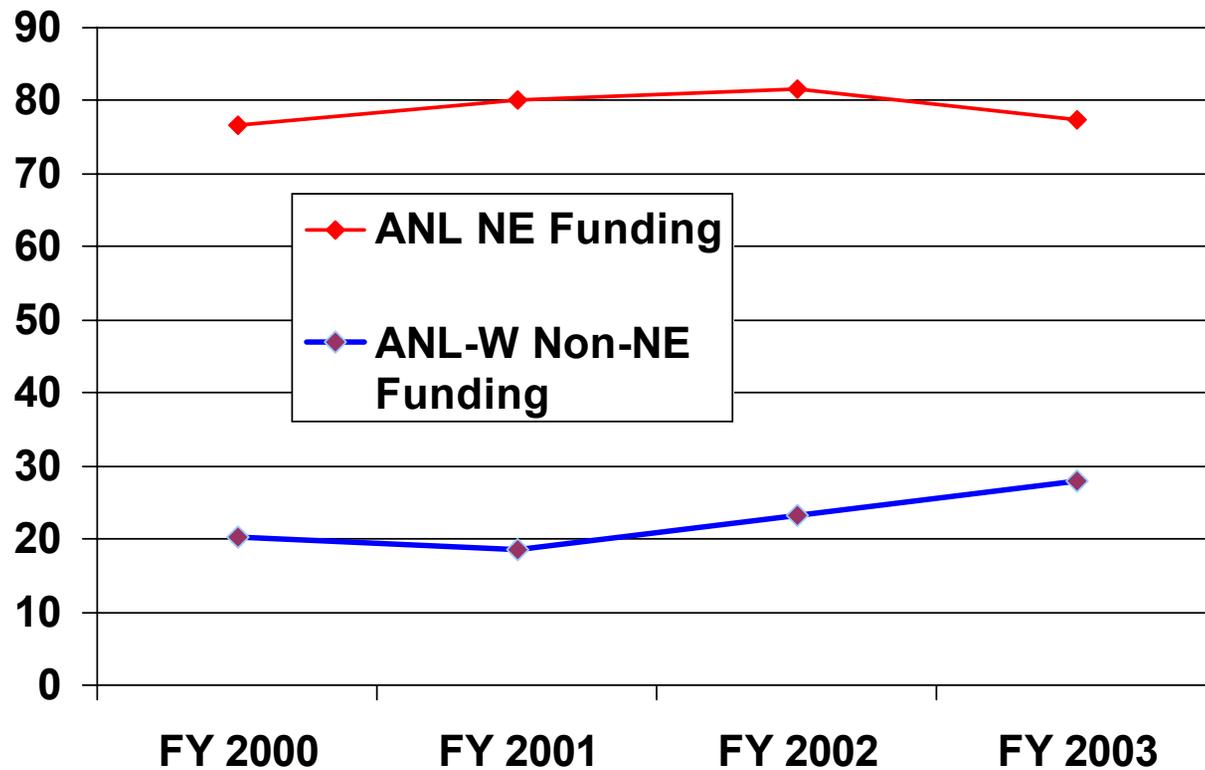


ANL Engineering Research Staffing - June 2003

	<u>ANL-East</u>	<u>ANL-West</u>
• Scientists/Engineers	96	180
• Technicians	24	170
• Other	<u>17</u>	<u>270</u>
• Totals	137	620



Argonne Nuclear Energy and ANL-W Non-Nuclear Energy Budgets



ANL-W Capital Projects Budget History

(Amounts in \$000)

	FY 1999	FY2000	FY2001	FY 2002	FY 2003	FY2004
GPP	\$0	\$0	\$0	\$450	\$0	\$48
GPE	\$0	\$0	\$0	\$50	\$0	\$0
RTF (Ops)	\$0	\$0	\$250	\$750	\$0	\$0
Total	\$0	\$0	\$250	\$1200	\$0	\$48



ANL-W Environmental Issues

- NEPA
- CERCLA ROD
- Air Permit



ANL-W Environmental Issues (continued)

- RCRA Permitted Facilities
 - Contaminated Equipment Storage Building
 - Hot Fuel Examination Facility - WCA
 - Radioactive Scrap and Waste Facility
 - Sodium Process Facility
 - Sodium Components Maintenance Shop
 - Sodium Storage Building
 - EBR-II
 - TREAT



ANL-W Environmental Enforcement

- RCRA
 - 1999:
 - 2000: no state inspection
 - 2001: six violations; \$16,238 fine
 - 2002: no violations
- Air Permit - No violations in last 3 years
- Site Treatment Plan - met or exceeded all treatment milestones
- No Voluntary Consent Order corrective actions



ANL-W Issues

- Facility Condition
- Standby Facilities
- Attrition of Intellectual and Technical Capabilities and Experience



Key ANL-W Capabilities

- Facilities
- Scientists and Technicians
- Research Reputation
- Recent Program/Project Successes
 - Electrometallurgical Treatment Demonstration
 - EBR-II Closure
 - Fuel Treatment Milestones



ANL-W End States

- ANL-W infrastructure will be in a restored and revitalized condition to accomplish its new nuclear energy research and development mission.
- Nuclear energy research and development at ANL-W fully supports the National Energy Policy and contributes to the long term energy security of the United States

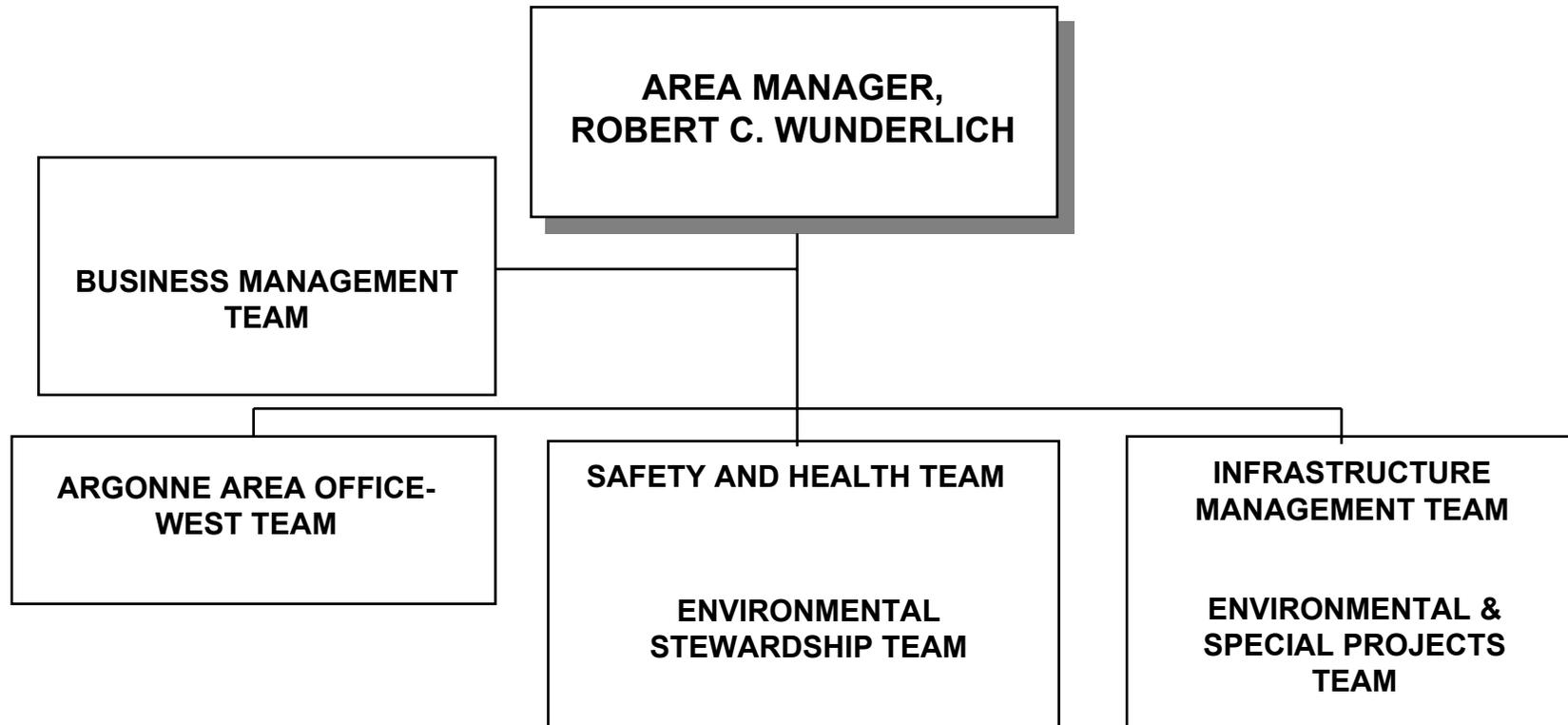


Backup slides



CHICAGO OPERATIONS OFFICE

Argonne Area Office



ANL Nuclear Energy Operating Funding

Programs	FY 2003	FY 2004*
	\$ 000s	\$ 000s
Infrastructure	\$31,800	\$31,100
AFCI	\$32,000	\$32,100
Radioisotope Power Sources	\$5,800	\$6,800
Other NE	\$7,800	\$4,000
Total	\$77,400	\$74,000

***DOE Request**

