

Energy Employees' Occupational Illness Compensation Program (EEOICPA)

at the Idaho Site

Richard Dickson, DOE-ID
Craig Walker, BEA

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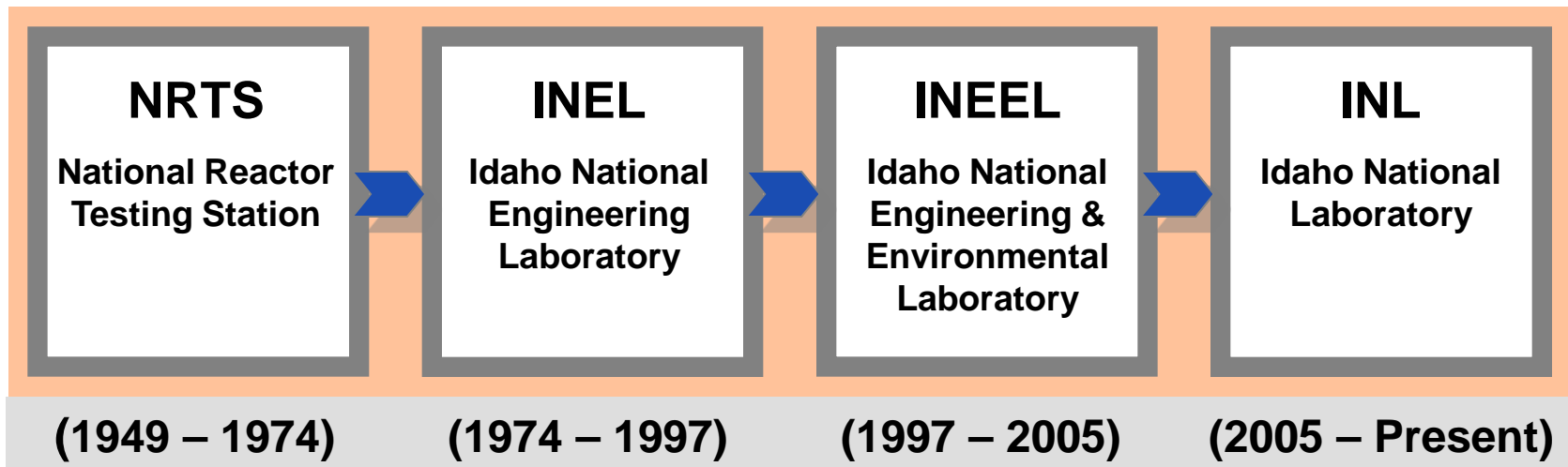
Current Idaho Mission

- The current Idaho mission is to operate a multi-program national research and development laboratory (e.g., next generation reactor technology, advanced fuel cycle research, alternate energies), and to complete environmental clean-up project activities stemming from the Site's cold-war legacy.



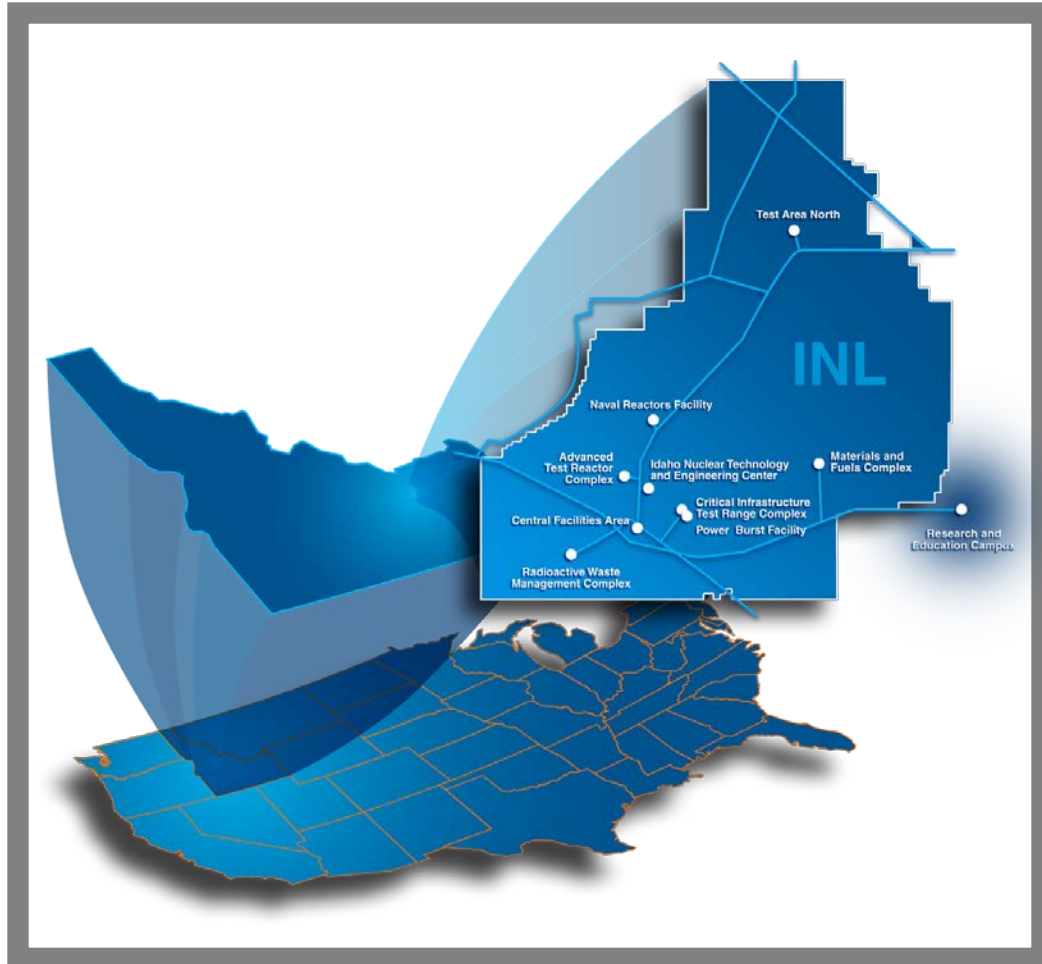
Idaho Site Names

- Since 1949, the Idaho site has been known by the following names:



NOTE: Sometimes claims examiners and claimants erroneously refer to 'NRTS' as 'NRF' and / or 'NRTF'. 'NRF' is Naval Reactors Facility and is exempt from the EEOICPA. 'NRF' is one of many facilities at the Idaho Site. There is no 'NRTF'.

Idaho Site Environment



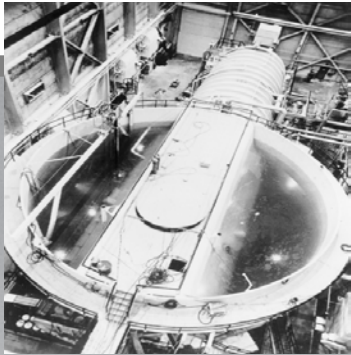
- 50 miles west of Idaho Falls and 132 miles southwest of Yellowstone National Park
- 5,000 feet above sea-level, semi-desert area, on Snake River Plain
- Approximately 889 square miles (~30 miles x 30 miles)
- Since 1949, 52 reactors have been built at the Site
- Divided into various large facilities with diverse activities and various oversight

Complexities of the Idaho Site

- DOE-Pittsburgh Operations Office
 - Naval Reactors Facility (NRF)
 - Combined Defense / DOE Contract
 - Exempt from EEOICPA
- DOE-Chicago Operations Office
 - 1949 – 2005
 - Argonne-West (ANL-West)
 - Managed by Argonne-East (Chicago)
- DOE-Idaho Operations Office
 - Many prime contractors and subcontractors over the years
 - Responsible for Grand Junction and West Valley (1980's) as well
- Many claimants had employment with one or more of these offices

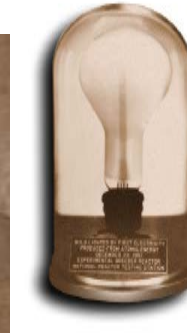


DOE-Pittsburgh Operations Office (NRF)



- Naval proving grounds and artillery test range in support of World War II through the Vietnam War
- Naval nuclear submarine prototypes developed (first being the Nautilus)
- Naval nuclear submarine training school
- NRF is exempt from EEOICPA





- Experimental Breeder Reactor (EBR-1)... history in the making
- First to produce usable electricity from nuclear power (1951)
- Nearby Arco - first town lit by nuclear power from BORAX-III
- Responsible from 1949 - 2005



DOE-Idaho Operations Office

- Diversified support functions
- Constructed the majority of reactors at Site
- Many “prime” contractors and subcontractors
- Manpower peaked at nearly 14,000 in 1980’s
- Currently ~7,100 at the Idaho site and town facilities
- Satellite operations in 1980’s (Grand Junction, West Valley, Denver Support Office)
- Assumed contract management for ANL-West facilities in February 2005, renamed Materials & Fuels Complex (MFC)
- Nuclear facilities are at the Idaho Site
- Laboratory R&D and Administrative functions are located in Idaho Falls facilities, renamed Research & Education Complex (REC)

'Prime' Contract History

The Idaho Site

1950 – 1966	<i>Phillips Petroleum Company</i>
1966 – 1972	<i>Idaho Nuclear Corporation</i>
1972 – 1976	<i>Aerojet Nuclear Corporation</i>
1976 – 1994	<i>EG&G Idaho, Inc.</i>
1994 – 1999	<i>Lockheed Martin Idaho Technologies</i>
1999 – 2005	<i>Bechtel BWXT Idaho, LLC</i>
2005 – Present	<i>Battelle Energy Alliance, LLC (INL)</i>
2005 – Present	<i>CH2MHill - Idaho Cleanup Project (ICP)</i>
2005 – 2011	<i>Bechtel BWXT Idaho - Advanced Mixed Waste Treatment Project (AMWTP)</i>
2011 – Present	<i>Idaho Treatment Group (ITG)</i>

NOTE: Privatization Contracts: 1997 – 2005 British Nuclear Fuels (AMWTP) and in 2000 – 2006 Foster Wheeler (Spent Nuclear Fuel Dry Storage Project).

'Other' Facility Contracts

Aircraft Nuclear Propulsion (ANP) Project

1952 – 1961	<i>General Electric</i>
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Idaho Chemical Processing Plant (ICPP)

1950 – 1953	<i>American Cyanamid Company</i>
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1953 – 1966	<i>Phillips Petroleum Company</i>
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1966 – 1971	<i>Idaho Nuclear Corporation</i>
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1971 – 1979	<i>Allied Chemical Corporation</i>
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1979 – 1984	<i>Exxon Nuclear Idaho Company</i>
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1984 – 1994	<i>Westinghouse Idaho Nuclear Company</i>
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Specific Manufacturing Capability (SMC)

1983 – 1986	<i>Exxon Nuclear Idaho Company</i>
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1986 – 1991	<i>Rockwell</i>
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1991 – 1994	<i>Babcock & Wilcox Idaho, Inc.</i>
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‘Other’ Operations’ Office Contracts

Argonne National Laboratory – West (ANL-W)

1949 – 2005

University of Chicago (ANL-West)

Naval Reactors Facility (NRF)

1949 – 1999

Westinghouse Electric Corporation

1999 – 2009

Bechtel Bettis, Inc.

2009 – Present

Bechtel Marine Propulsion Corporation

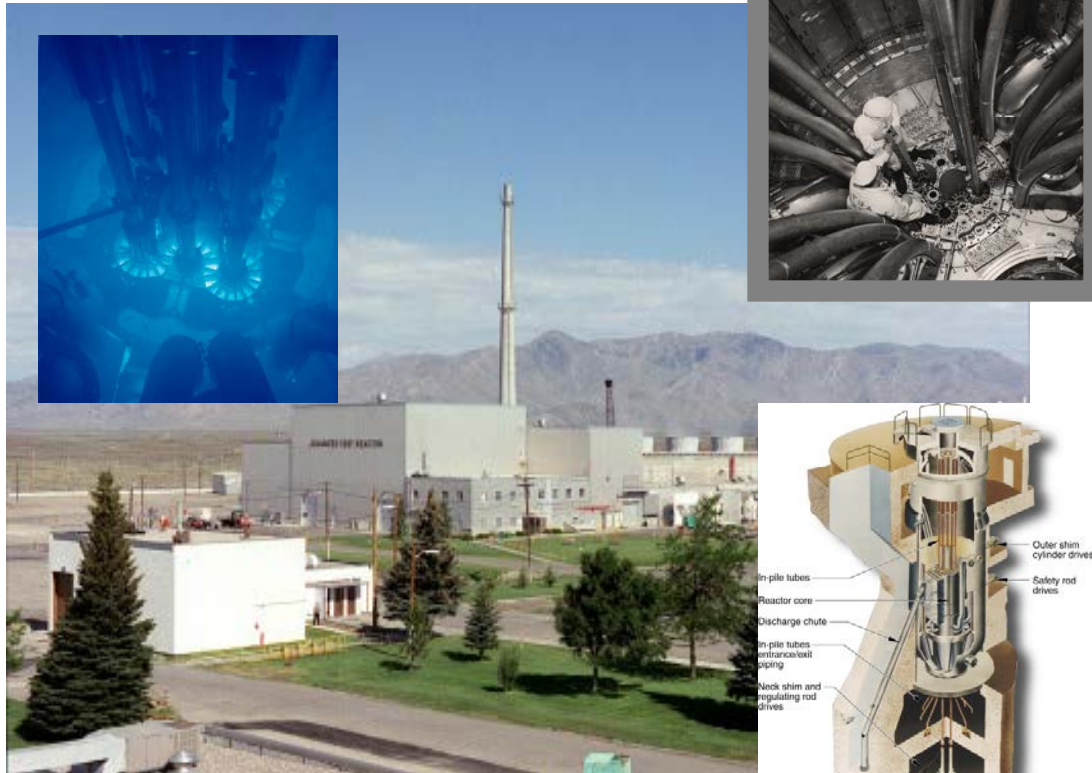
NOTE: As of February 1, 2005, ANL-W was transferred to the DOE-Idaho Operations Office, renamed Materials & Fuels Complex (MFC) and is now operated by Battelle Energy Alliance.

Materials & Fuels Complex (MFC)



- Formerly ANL-West
- Several reactors
- Spent fuel research and development
- Major hot cells and supporting laboratories
- Sodium-Cooled reactor decommissioning
- Mixed waste characterization and decommissioning
- Currently operated by BEA

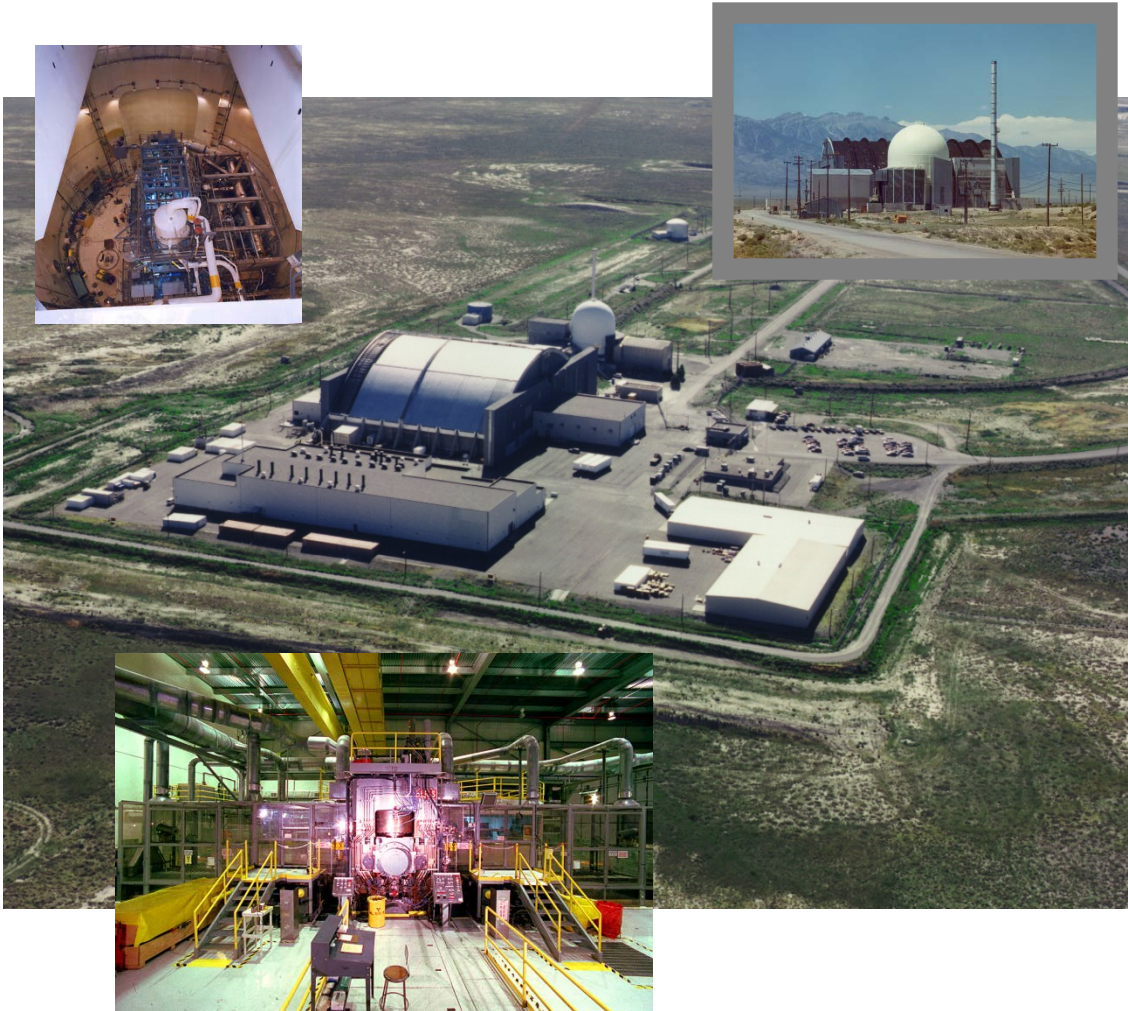
Advanced Test Reactor Complex (ATR)



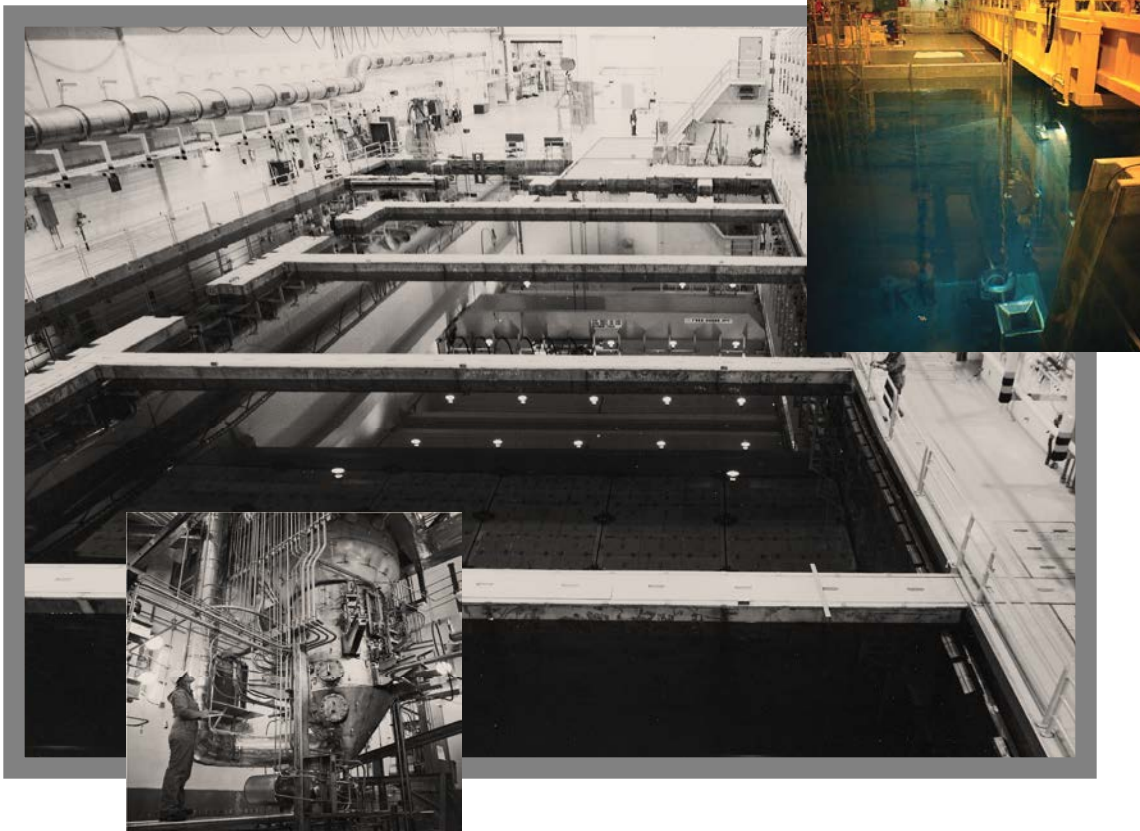
- Formerly known as Test Reactor Area (TRA) and Reactor Technology Complex (RTC)
- Operation of the Advanced Test Reactor (ATR)
- Irradiation testing of reactor fuels
- Production of medical radioisotopes and Cobalt-60 for industry
- Engineering Test Reactor (ETR) and Materials Testing Reactor (MTR) have undergone D&D
- ATR designated as a National User Facility

Test Area North (TAN)

- Aircraft Nuclear Propulsion Program (ANP)
- TAN Hot Cell Operations
- Loss of Fluid Test facility (LOFT)
- Specific Manufacturing Capability (SMC) under contract to DoD to manufacture armor
- Legacy nuclear facilities have undergone D&D

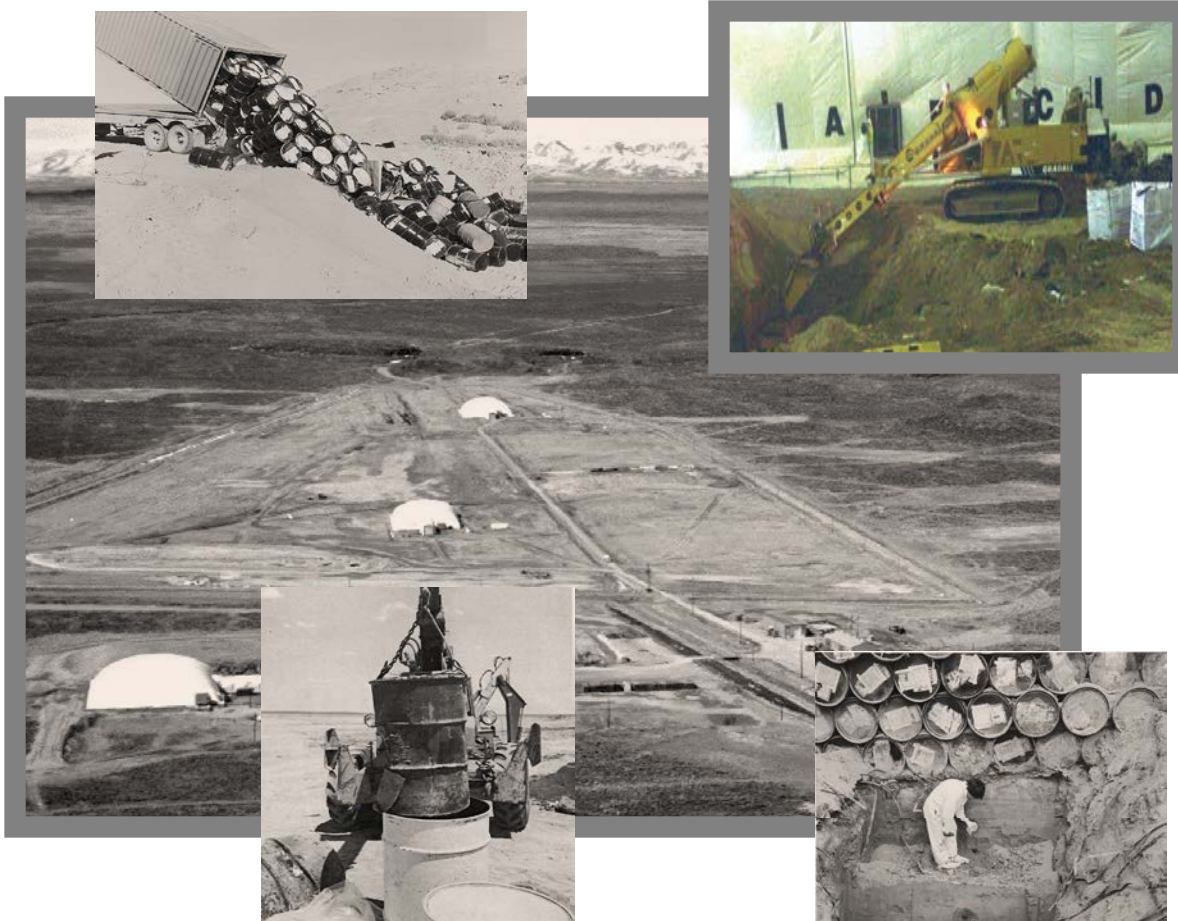


Idaho Nuclear Technology & Engineering Center (INTEC)



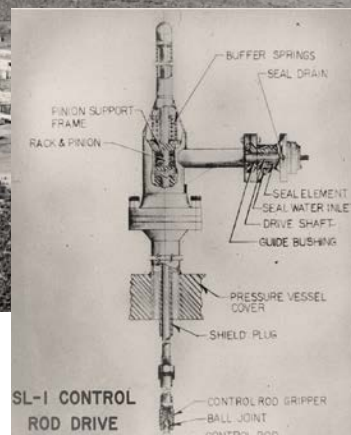
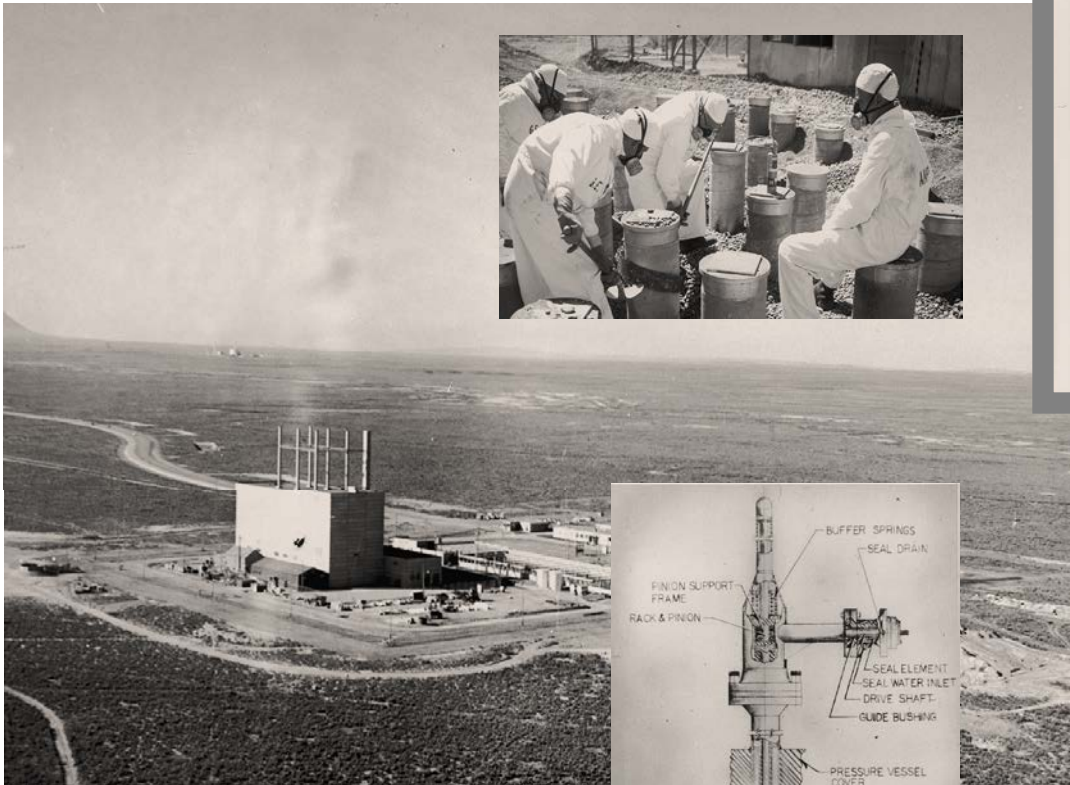
- Formerly Idaho Chemical Processing Plant (ICPP)
- Historically reprocessed spent government & research reactor fuel
- Currently stores spent nuclear fuel
- High-level waste research and development
- Historically calcined liquid waste for storage in stainless steel bins
- D&D of excess facilities

Radioactive Waste Management Complex (RWMC)



- Waste storage and disposal operations
- Treatment of transuranic (TRU) waste at AMWTP for transportation and disposal at the Waste Isolation Pilot Plant (WIPP)
- Remediation of buried waste at the Accelerated Retrieval Project (ARP)
- D&D of excess facilities

Stationary Low-Power Reactor #1 (SL-1)



- Operated by Army and Combustion Engineering under auspices of AEC-Idaho
- Accident killed three workers on January 3, 1961, during reconnection of control rods

Research and Education Complex (REC)

- 36 buildings in Idaho Falls (including several laboratories)
- Roughly 1,600 contractors and subcontractors work in town
- Research & development (e.g., applied engineering, chemistry, bio-sciences and alternate energy) and administrative services
- Town facilities are considered part of the INL

A Few REC Facilities



- A. Willow Creek Building (WCB) – engineering / administrative offices
- B. Engineering Research Office Building (EROB) – engineering / administrative offices
- C. INL Research Center (IRC) – a non-nuclear research & development laboratory
- D. INL Records Storage Facility for archived records

Various REC Laboratory Activities



- Multi-faceted engineering / scientific research and development
- Hybrid transportation
- Physics
- Microbiology
- Alternative energies
- Robotics
- Chemistry
- Metallurgy
- Other

Centralized EEO/ICPA Office

- Simplifies complex Idaho organizational structure
- Provides single point-of-contact for many companies and laboratories – overall program administration
- Case files are established and maintained properly
- Requests claimant info / reports from designated experts within DOE-ID, Battelle Energy Alliance, CH2MHill, Idaho Treatment Group, Subcontractors (i.e., human resources, industrial hygiene, medical, records storage, etc.)
- Provides some info / reports (i.e., dose database/dose reconstruction reports, archived records, etc.)
- Compiles information from all organizations and transmits to appropriate agency
- Dosimetry records for the Idaho Site have remained centralized since 1949

Process Enhancements

Several efforts implemented to improve speed, significantly reduce discovery / retrieval, improve accuracy and output quality

- Indexed and scanned 1.6 million pages of dosimetry area exposure details (1950 - 1976)
- Indexed 4,000 pages of GE dosimetry records (1955 - 1961)
- Indexed and scanned 100,000 pages of dose 'in-vivo' records (~1976 – present)
- Indexed 57,000 security badging “Master File Cards” into electronically retrievable system
- Developed standard template and searchable industrial hygiene profile information tool to populate job titles, job descriptions and potential associated facility hazards

Information Sent for Part-B (Employment Verification)

- Employment dates, if available through Human Resources
- If not, search and send security badging, medical, dose, etc.
- If not, search and send archived personnel records
- If subcontractor, request employment dates from known, active companies

Information Sent for Part-B (NIOSH)

- Radiological monitoring details, if total dose outside of acceptable parameters of 500 mrem and 60 rem (e.g., area, whole-body, urinalysis, internal, etc.)
- Dose summary reports
- Microfiche yearly summaries and details
- Contemporary dose locator information (1980's – Present)
- IBM dose locator cards (1960's – 1980's)
- 3" x 5" locator cards (1950's – 1960's)
- Visitor badges

NOTE: Other than details, some (or all) of this information may also be used for Part-E claims. This information also often clarifies location(s) of workers.

Sample of IBM Dose Locator Cards

CONT. CODE	AREA CODE	DATE OF ISSUE	DATE OF WITHDRAWAL	HEALTH BADGE NUMBER	S.S. NO.	AREA CODE	DATE OF ISSUE	DATE OF WITHDRAWAL
73	09		12-31-62					
02	195	12-31-68	12-26-69					
124		Cont. Change	6-1-69					
042	775	12-26-69	12-31-70					
073	42	1-25-78	12-28-89					
108	045	3-23-90						

Cont
 73 misc Cont
 02 Phillips
 124 IDAHO Nuclear
 108 EG+G

Area
 09 ?
 195 TAN
 775 TAN
 042 TRA Non.
 045 TRA QRT

- Use badge "ISSUE" dates
- Only use "WITHDRAWAL DATES", if no other dates available
- Utilize "AREA" codes to locate where employee was working

Information Sent for Part-E

- Based on DOL request on DAR
- Typically send:
 - incident / accident reports
 - industrial hygiene exposure letter
 - medical records
 - dose exposure letter and summary reports
 - visitor badges
 - employment data sheet
 - dates of employment
 - companies employed by
 - job titles
 - work locations
- Job descriptions and known work area toxins are no longer included. They are part of the Site Exposure Matrix
- May send dose locator cards and other locator information, if available

Part-E – Employment Data Sheet

SUBTITLE PART E (TOXIC EXPOSURE) EMPLOYMENT DATA SHEET

Sample, Joe A. 123-45-6789
LAST NAME FIRST MIDDLE SOCIAL SECURITY NUMBER

PRIME CONTRACTORS			
EMPLOYER	EMPLOYMENT DATES	JOB TITLES	AREAS
EG&G, LMITCO, BBWL, BEA	1/30/1990 - 9/25/2006	Truck Driver, Driver, Bus Driver, DOT Driver	CFA, CPP, PBF, RWMC, TAN
ANL-WEST			
EMPLOYER	EMPLOYMENT DATES	JOB TITLES	AREAS
No Records			
SUBCONTRACTORS			
EMPLOYER	EMPLOYMENT DATES	JOB TITLES	AREAS
Various subcontractors	6/15/1975 - 4/10/1982 (intermittent)	Quality Assurance Specialist	Unknown
EXEMPT / DISAPPROVED NRF/DOE-ID			
EMPLOYER	EMPLOYMENT DATES	JOB TITLES	AREAS
Westinghouse	4/30/1982 - 12/31/1989	Quality Assurance Representative	NRF

NOTE:

After a thorough review of personnel, security, dose and IH database records, these are the job titles and areas worked that were identified in the records for this claimant. The claimant may have had other assignments that were not recorded in the available documentation.

Some of the information contained in this form may have been taken from security badging records and therefore may not indicate approved employment and/or exact dates of employment. Security badging only indicates when a badge was issued and terminated.

- Used as summary sheet for claims examiner
- Break out employment history by approved Prime Contractor, Subcontractor and ANL-West
- Break out disapproved NRF and DOE
- Identify dates, job titles and work locations, if available

INL Provides Various Information for Several Sites / Laboratories



- Dosimetry records for Grand Junction, Colorado
- Dosimetry, industrial hygiene, and medical records for ANL-West
- Notify ANL-East that claim was uploaded

Potentially Confusing Issues

- The many site facilities and complex oversight can be confusing
- Still get claims for those who worked solely at NRF – not eligible for EEOICPA
- Idaho Operations Office should not be excluded – made up of DOE employees who should be included in Part-B
- Both the ‘Site’ and ‘Town’ facilities (where DOE, contractor and subcontractors work) are considered the Idaho National Laboratory...not just the ‘Site’
- Employees could have worked for multiple DOE Operations Offices during their career (e.g., ANL-West, NRF and INL)
- Sometimes claims are not sent to both ANL and INL when an employee worked at both locations

In Summary

The INL is working to meet the needs of DOL and NIOSH through process improvements that provide:

- Effective communication
- Flexible staffing to meet high and low claim volumes
- Quick turn-around times
- Increased accuracy
- Reduced cost per claim

Points of Contact / INL Book Link

Richard Dickson
Team Lead, Technical Safety
DOE-Idaho Operations Office
(208) 526-0107
dicksorl@id.doe.gov

Agnes Gentillon
Program Manager
DOE-Idaho Operations Office
(208) 526-5767
gentilar@id.doe.gov

Craig Walker
Lead, EEOICPA Program Office
Battelle Energy Alliance
(208) 526-1319
craig.walker@inl.gov

Two books commissioned by DOE about the history of the Idaho Site are available on-line at:

<http://www.inl.gov/publications/>

Proving the Principle: A History of the INEEL (1949 -1999)

Transformed: A Recent History of the Idaho National Laboratory (2000-2010)