

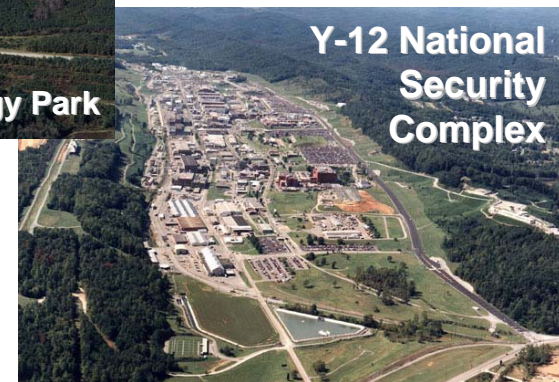


UNITED STATES DEPARTMENT OF ENERGY OAK RIDGE OFFICE

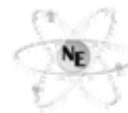
Completing the Environmental Management Mission at Oak Ridge



East Tennessee Technology Park



EM Environmental Management
safety ❖ performance ❖ cleanup ❖ closure



NNSA
National Nuclear Security Administration

**Office of
Science**

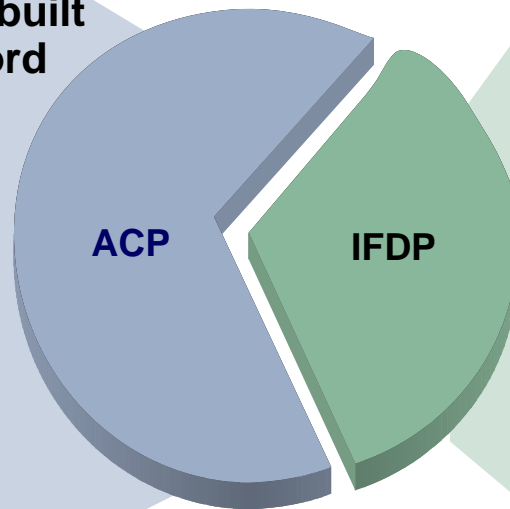


Completing the Accelerated Cleanup Program (ACP), Beginning the Integrated Facility Disposition Project (IFDP)

DOE Environmental Management (EM) has built a successful track record in Oak Ridge

- Three Building D&D Project
- Legacy Waste
- Melton Valley
- DUF6

- ETTP



Remaining Cold War legacies are impeding ongoing missions

- Major areas of the Oak Ridge site remain contaminated
- Legacy issues impair mission readiness at Oak Ridge National Laboratory (ORNL) and Y-12 National Security Complex (Y-12)
- Legacy management consumes resources needed for modernization
- Modernization efforts are not coordinated with cleanup efforts



IFDP

Completing the EM Cleanup Mission at Oak Ridge while Supporting the SC, NE, and NNSA Missions

Scope

- D&D of over 200 facilities
- Treatment and disposition of legacy materials and waste
- Soil and groundwater remedial actions
- Surveillance and maintenance of excess facilities

Project Cost and Schedule Range

- Preliminary Cost Range: \$4B to \$8B
- Project duration range: 15 to 20 years



Excess Facilities



IFDP Facilities by Site and Program Office						
Site	EM	NE	NNSA	SC	Total	Excess Space (ft ²)
ORNL	159	1	0	132	292	1.3 M
Y-12	17	1	77	17	112	3.8 M
IFDP Total	176	2	77	149	404	5.1 M



Project Challenge

Major challenge faced by the IFDP is conducting major cleanup operations in the midst of ongoing mission operations:

- Close proximity to substantial employee populations and operations may present health and safety risks
- Complex and extensive infrastructure and systems interconnected to the surplus facilities and contiguous active operations
- Conduct of cleanup in high security areas (e.g., ORNL Building 3019 and Y-12 high security area)
- Unknown facility structural hazards and extent of contamination



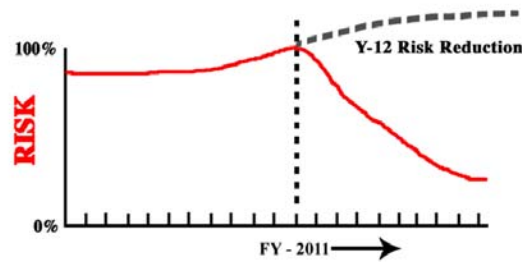
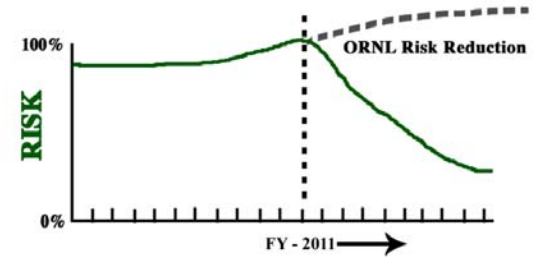
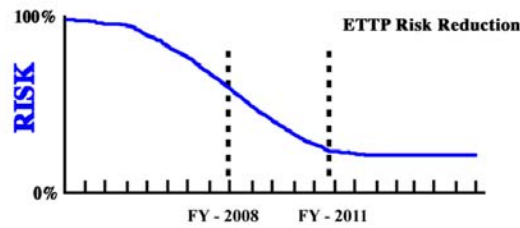
Status

- CD-0 (Mission Need) approved 7/20/07
- CD-1 (Alternative Selection and Cost Range) underway
 - Integrated Project Team established
 - Membership includes EM, NNSA, SC, B & W, and UT-Battelle representatives
- Goal: Contract established in FY09/FY10
- Goal: Start major work in FY10/FY11



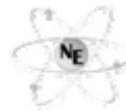
Managing Risks at Oak Ridge

Risks to ES&H / Risks to Mission



EM Environmental Management

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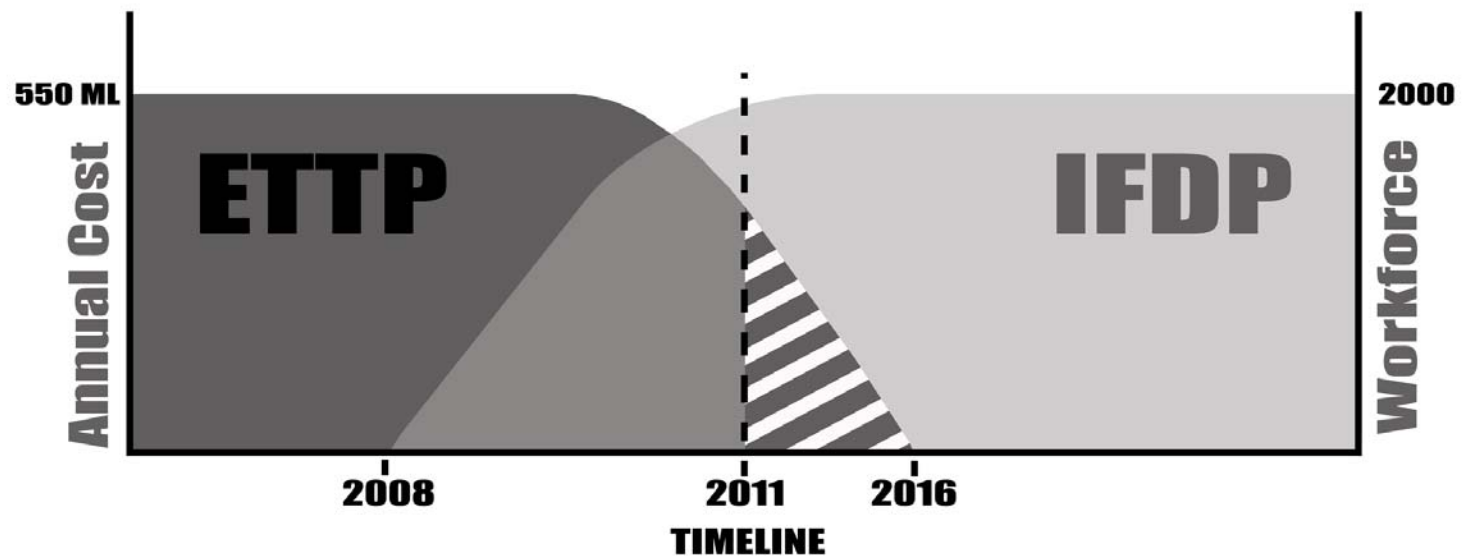
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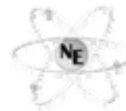
Completing ETTP & Starting IFDP

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