
Oak Ridge Office

American Recovery and Reinvestment Act of 2009 (ARRA)

J.T. Howell, U.S. Department of Energy

May 13, 2009

Site Specific Advisory Board

DOE OAK RIDGE EM ARRA FUNDING

- **\$755 M** for 24 Environmental Cleanup projects across the Oak Ridge Reservation (ETTP, ORNL, Y-12)
- Project Completion by **September 2011**
- ARRA scope is being implemented on an accelerated schedule under existing decision documents, time critical removal actions, full Regulatory Parties Cooperation

ARRA CONTRACT APPROACH

- Contracts in place September 2009
 - UTB
 - B&W
 - BJC
 - EnergX
 - DOE EM ID/IQ all other projects

ARRA FUNDING

Y-12	\$327M
ORNL	\$230M
ETTP	\$118M
TRU	\$80M
	<hr/>
	\$755M



DOE OAK RIDGE EM ARRA PROJECTS

Oak Ridge National Laboratory

- 2000 Complex D&D Project
- 3026 C&D Wooden Structure D&D Project
- 2026 Legacy Material Removal Project
- 3026 C&D Hot Cell D&D Project
- 3038 Legacy Material Removal and Preparation for D&D Project
- Central Campus Legacy Material Removal Project
- General Maintenance Facilities D&D Project
- Southeast Contaminated Lab Complex D&D Project
- ORNL Small Facilities D&D Project
- Bethel Valley Burial Grounds Project
- Tank W-1A Removal Action Project
- Bethel Valley Groundwater Project
- Transuranic Waste Processing Project
- Melton Valley Monitoring Wells Project

Y-12 National Security Complex

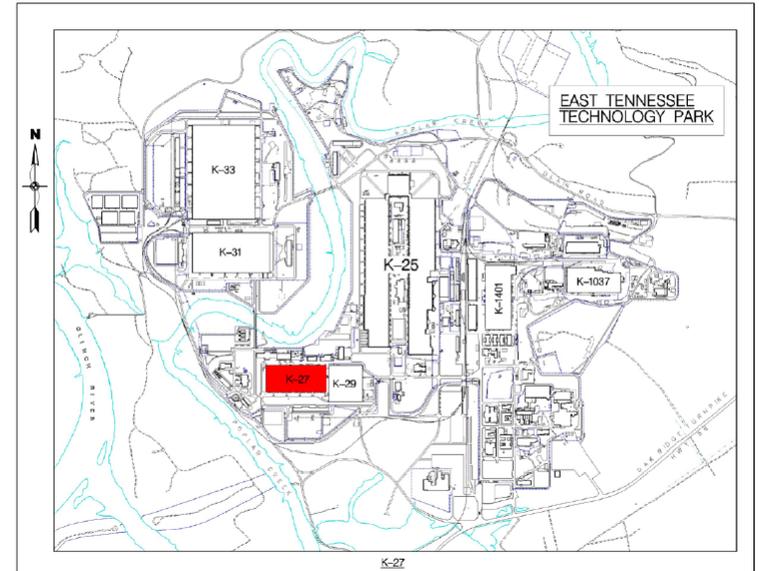
- Alpha -5 Legacy Material Disposition Project
- Beta-4 Legacy Material Disposition Project
- Biology Complex D&D Project
- 9735 D&D Project
- 9206 Filter House D&D Project
- West End Mercury Area (WEMA) Storm Sewer Remediation Project
- Y-12 Salvage Yard Scrap Removal Project
- EMWMF Expansion Project
- Oak Ridge Reservation Landfills Capacity Increase Project

East Tennessee Technology Park

- K-27 Building Characterization and Pre-Demolition Project

EAST TENNESSEE TECHNOLOGY PARK

- K-27 Building Characterization and Pre-Demolition preparation
 - 383,000 ft² Building
 - Contains 540 stages of gaseous diffusion equipment
 - Removal of High Risk Equipment
 - Fully prepared for building demolition activities



TRU WASTE PROCESSING

- Accelerate schedule by 1 year for processing
- Multiple shifts being added for both CH & RH TRU



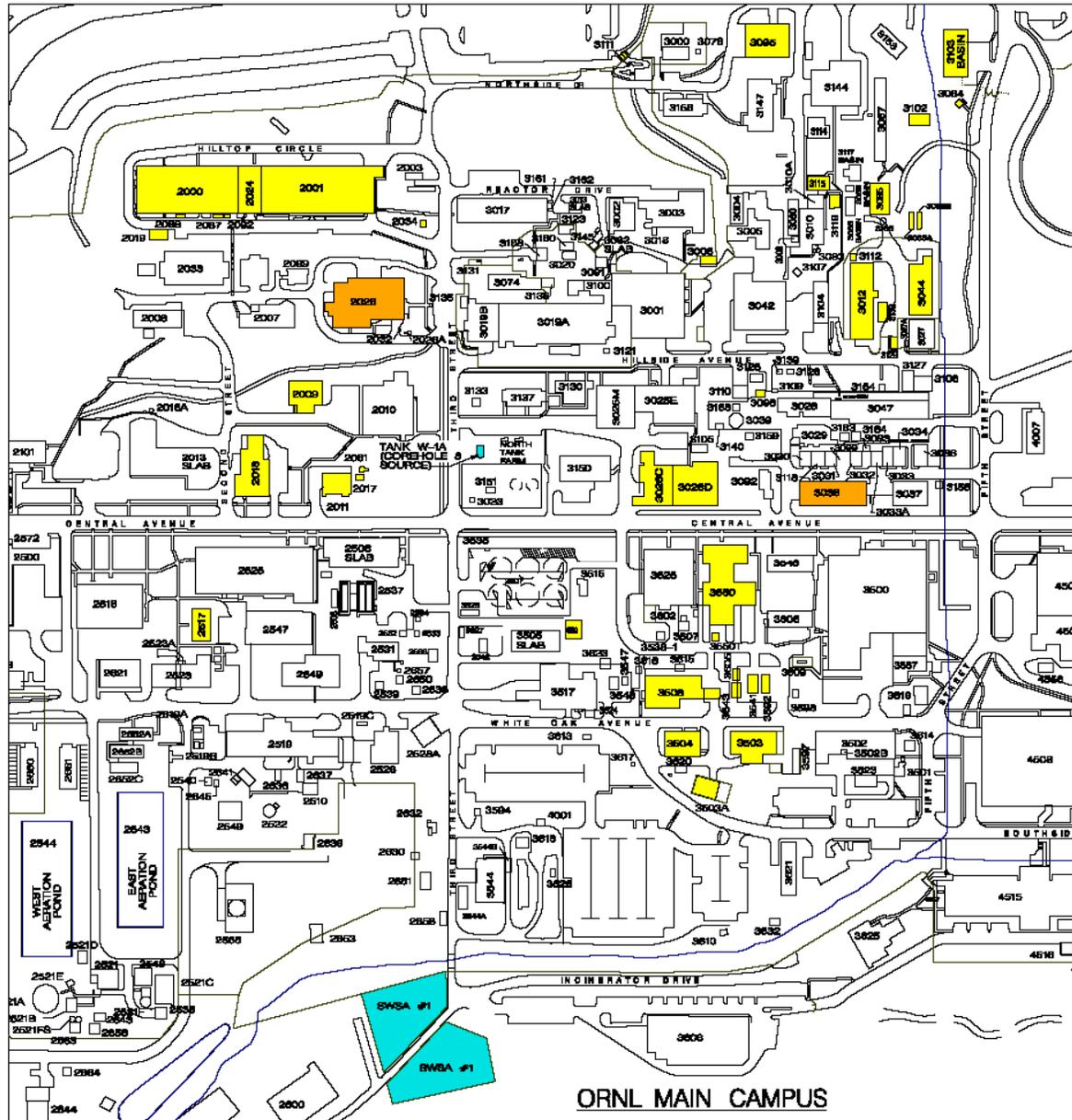
TWPC Hot Cell Manipulator Operator



OAK RIDGE NATIONAL LABORATORY SCOPE

- Building Demolition
 - 3026 C&D Wooden Structure (20,000 ft²)
 - 2000 Complex – 8 facilities & structures (60,000 ft²)
 - General Maintenance Facilities – 16 facilities (55,400 ft²)
 - Small Facilities - 11 facilities (35,800 ft²)
 - Southeast Lab Complex 7 (24,700 ft²)
 - 3026 C&D Hot Cell
- Legacy Material Removal
 - Central Campus – 4 facilities
 - Building 2026- Cat 3 Nuclear Facility
 - Building 3038
- Contaminated Soil Removal
 - Tank W-1A
 - Capping SWSA 1 & SWSA 3
- Groundwater Actions
 - Bethel Valley Groundwater
 - Melton Valley Monitoring Wells Project

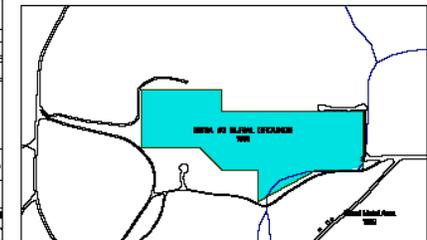




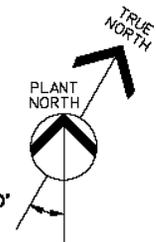
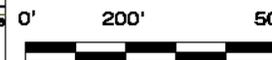
ORNL STIMULUS

- COMPLETE REMEDIAL ACTION
- COMPLETE D&D [APPLICABLE LEGACY WASTE DISPOSITION]
- LEGACY WASTE DISPOSITION

AREAS NOT SHOWN ON MAP:
 BV GROUND WATER EARLY ACTION
 MSRE SALT REMOVAL



SCALE:

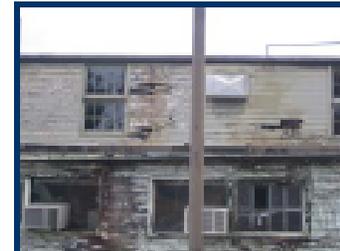


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FILE NAME:
FIGURE ORNL WBS MAIN_STIMULUS.DGN

3026 C&D WOODEN STRUCTURE

3026C&D Wooden Structure D&D:



2000 COMPLEX

2000 Complex D&D Project

2000



2001



2024



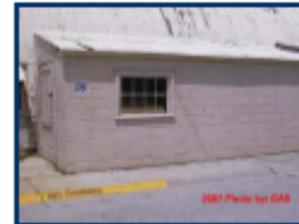
2019



2034



2087



2088



2092



GENERAL MAINTENANCE FACILITIES

2009



2011



2017 and 2061



3095



3103



3111



2018



2517



3008



3112



3115



3132



3012



3044



3064



SMALL FACILITIES

3085A and 3085B



3085



3098



3102



3117A



3119



3508



3541



3550



3592



SOUTHEAST LAB COMPLEX

3503



3503A



3504



3543



3550T



3605



3629



3026 C&D HOT CELL

3026 C&D Exterior and Interior Photos:



CENTRAL CAMPUS

3550T



3503A



3095



3112



BUILDING 2026

2026 Exterior and Interior Photos:



EM Environmental Management

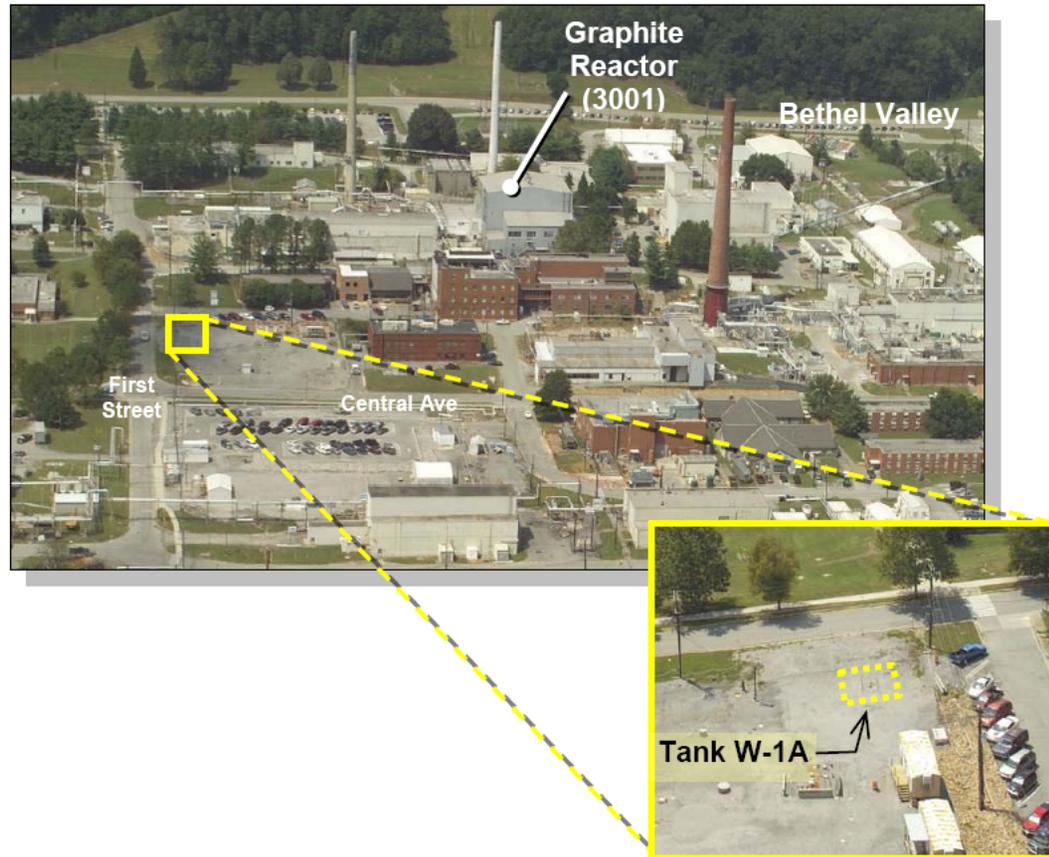
safety ❖ performance ❖ cleanup ❖ closure

BUILDING 3038



TANK W-1A

Tank W-1A Location Photo:



CAPPING SWSA 1 & SWSA 3

Aerial of SWSA 1:

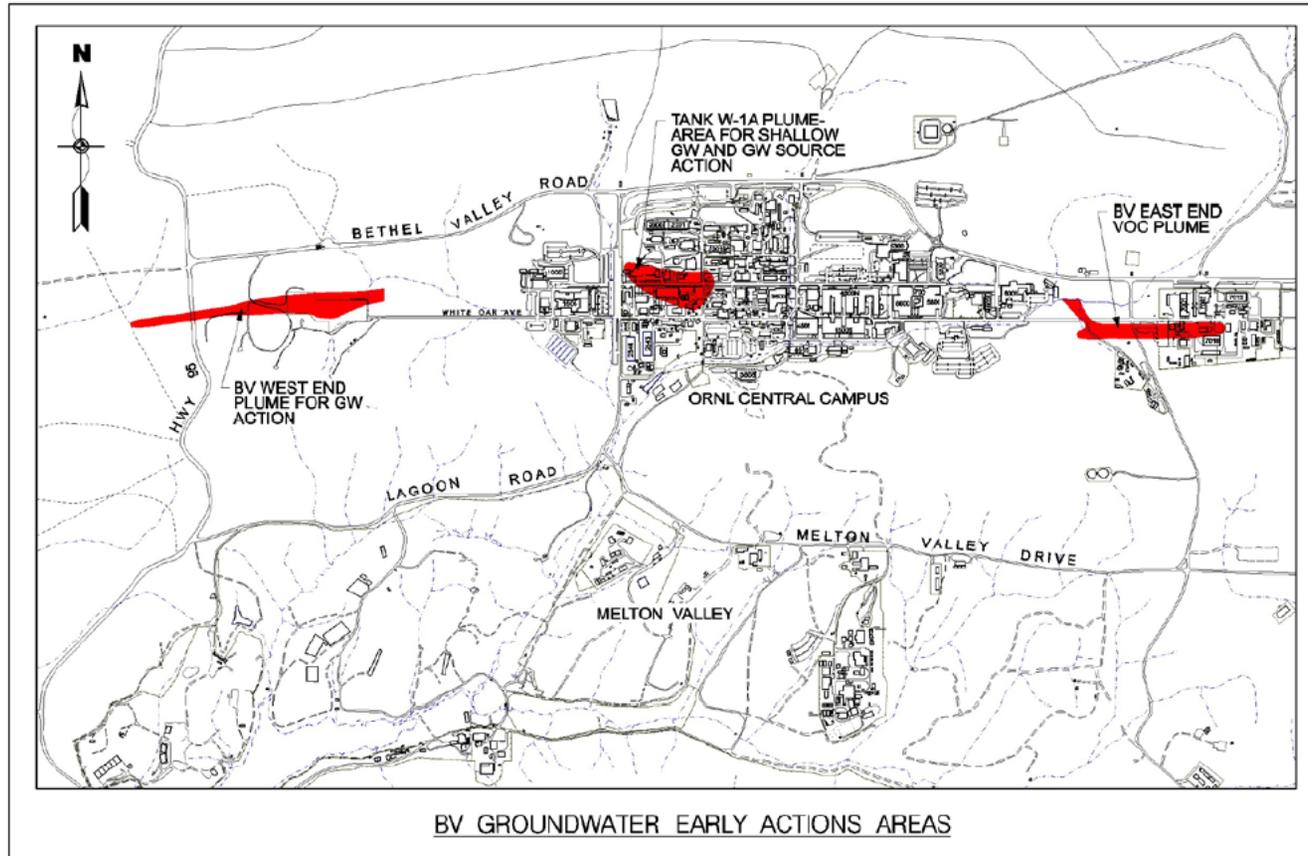


Aerial of SWSA 3:



BETHEL VALLEY GROUNDWATER

Bethel Valley Groundwater Plume Areas:



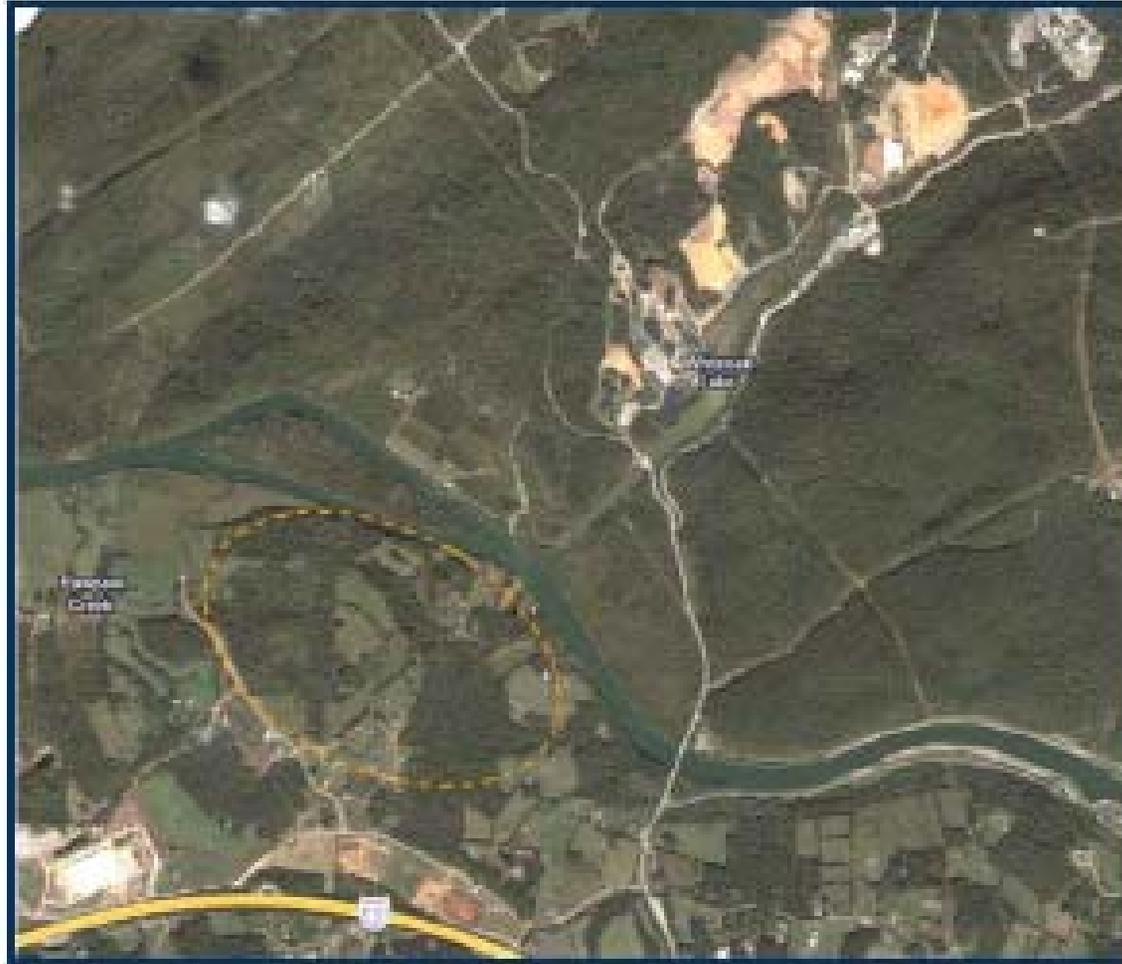
FIG_ORNL_BV_PLUMES.DGN



EM Environmental Management

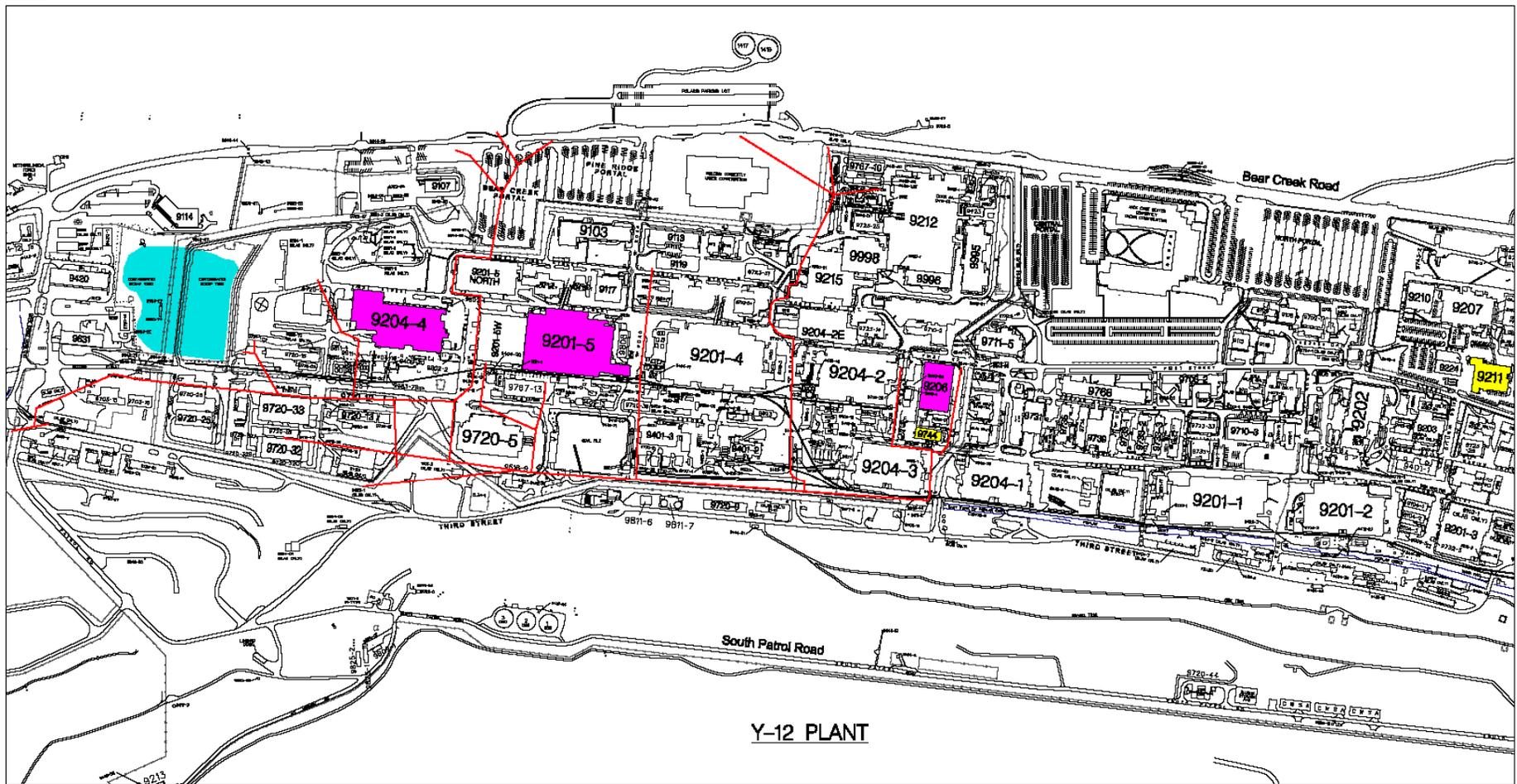
safety ✦ performance ✦ cleanup ✦ closure

MELTON VALLEY MONITORING WELLS



Y-12 NATIONAL SECURITY COMPLEX SCOPE

- Scrap Removal at Y-12 Salvage Yard
- West End Mercury Area (WEMA) Storm Sewer
- Landfills
- CERCLA Waste Facility (EMWMF)
- Building 9735 Demolition
- 9206 Filter House Demolition
- Biology Complex
 - Buildings 9211, 9220, 9224, 9769 Demolition
- Alpha 5, Complete removal and disposition of legacy material
- Beta 4, Complete removal and disposition of legacy material on 2nd floor



Y-12 PLANT

Y-12 STIMULUS

- COMPLETE REMEDIAL ACTION
- COMPLETE D&D
- PARTIAL LEGACY MATERIAL DISPOSITION
- WEMA STORM SEWER REMEDIATION

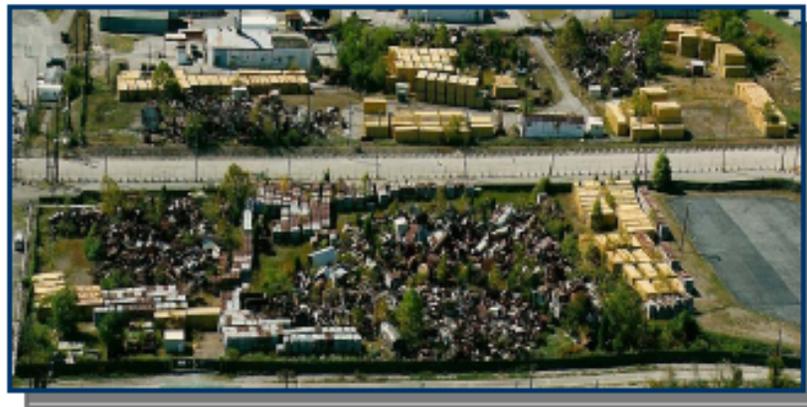
AREAS NOT SHOWN ON MAP:
 LANDFILL EXPANSION
 EMMWF EXPANSION



DATE: 02/23/2009
 FILE NAME:
 FIGURE Y-12 WBS_STIMULUS.DGN

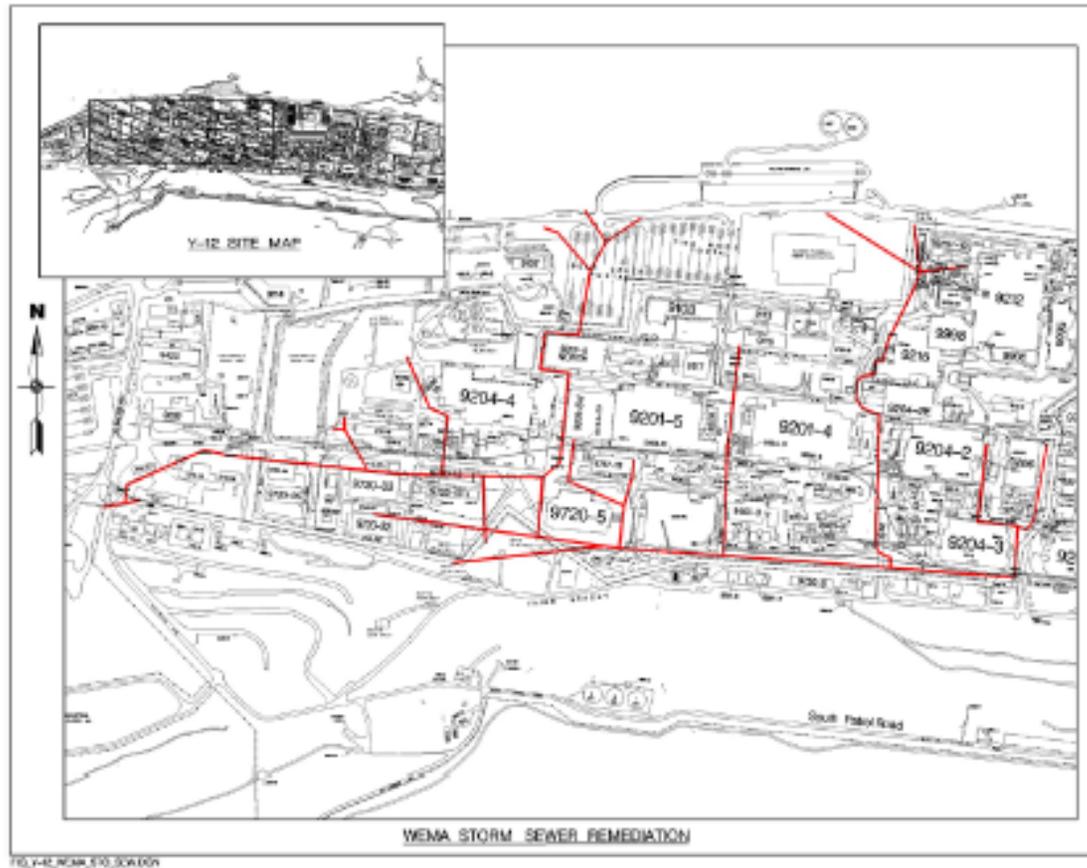
Y-12 SALVAGE YARD

Y-12 Salvage Yard Photos:



WEST END MERCURY AREA

WEMA Drawing:

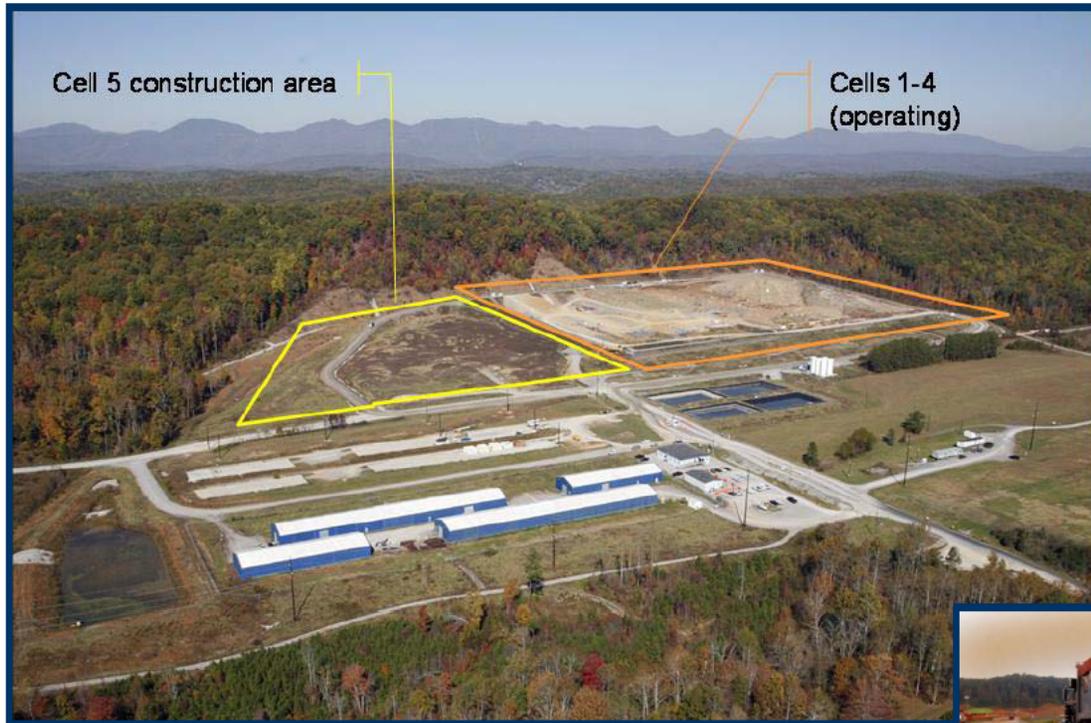


EM Environmental Management

safety ✦ performance ✦ cleanup ✦ closure

EMWMF EXPANSION

EMWMF Photos:



LANDFILL EXPANSIONS

Landfill IV



Landfill V



Landfill VII



9735 RESEARCH SERVICES LABORATORY & 9206 FILTER HOUSE

9735 Photos:



9206 Photos:



BIOLOGY COMPLEX

9211



9211



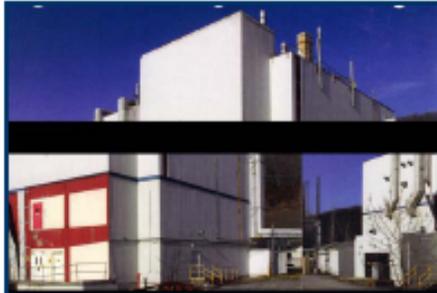
9220



9224



9769



ALPHA 5

Alpha-5 Exterior:



Alpha-5 Legacy Materials:



BETA 4

Beta-4 Exterior:



Beta-4 Legacy Material Photos:



ADDITIONAL INFORMATION

- Website <http://www.recovery.gov/>
- SSAB can request project status information about every 6 months at committee meetings or at the board meeting.