Facility Integration Program

ROY BOHN

Acting Project Leader for Facility Integration

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Facility Integration Program

- Provides a mechanism for evaluating proposed construction projects and whether they will impact existing PRSs.

- Approximately 35% of new construction projects will impact at least one PRS and approximately 5% of these sites will require some level of environmental corrective action activity prior to construction.

- Characterization and/or remediation activities are implemented in accordance with requirements specified in the NMED Consent Order.

FY05 Facility Integration Projects

- TA-3 Security Perimeter Road Project, three PRSs impacted.
- TA-50 Pump House and Influent Storage Facility Project, two PRSs impacted.
- TA-55 Infrastructure Reinvestment Project, one PRS impacted.
- TA-33 High Bay Complex, four PRSs impacted.

Security Perimeter Road Construction Project

- Re-route entry into the Laboratory at the intersection of the Truck Route and Diamond Drive and at ski hill road on the west end
- Only badged-vehicle occupants allowed into the TA-3 area
- Construction to begin Summer 2005 through December 2006
- Construction impacts several SWMUs and AOCs

Security Perimeter Road

SWMUs and AOCs Impacted by Road Construction

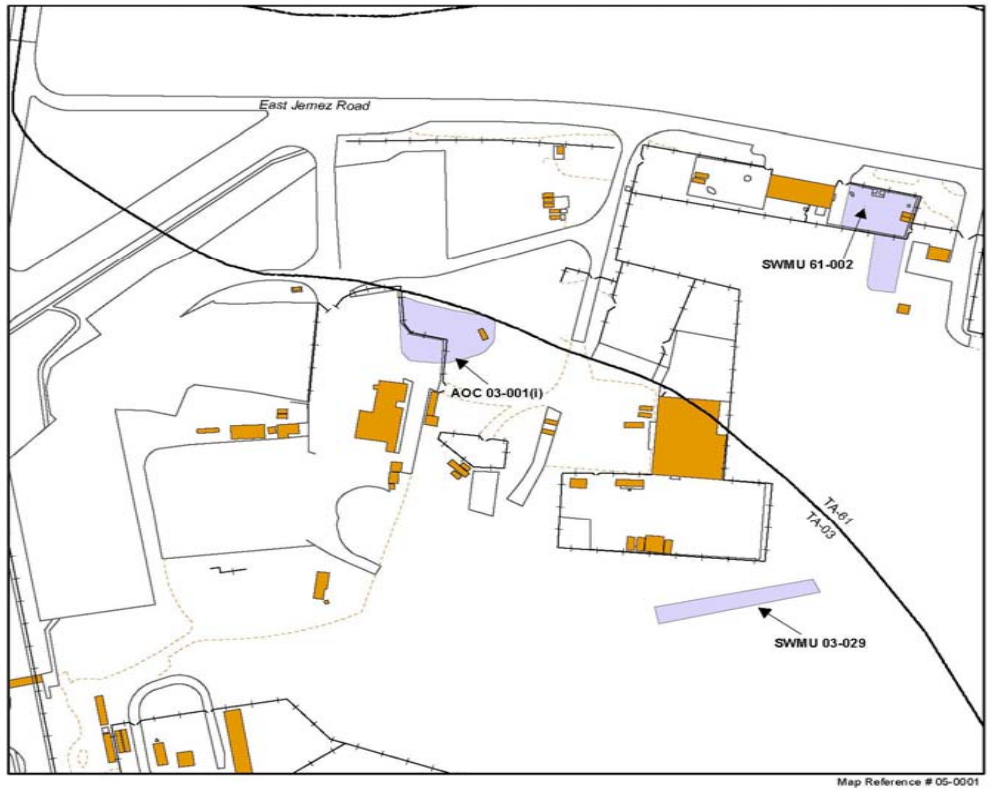
- SWMU 61-002 – electrical equipment storage area at the Radio Shop
- AOC 3-001(i) Areas 1 and 2 at TA-3 Roads and Grounds
- SWMU 03-029 Asphalt Landfill southwest of TA-3 Roads and Grounds

Security Perimeter Road – PRS Characterization and Remediation Activities

- Investigate and remediate three PRSs located in the path of the TA-3 Security Perimeter Road that will be inaccessible after construction
- Characterization sampling began on March 7, 2005 and is ongoing
- Approximately 200 samples will be collected
- Approximately 3,000 cubic yards will be excavated and disposed of
- Project cost ~ $1.3 million

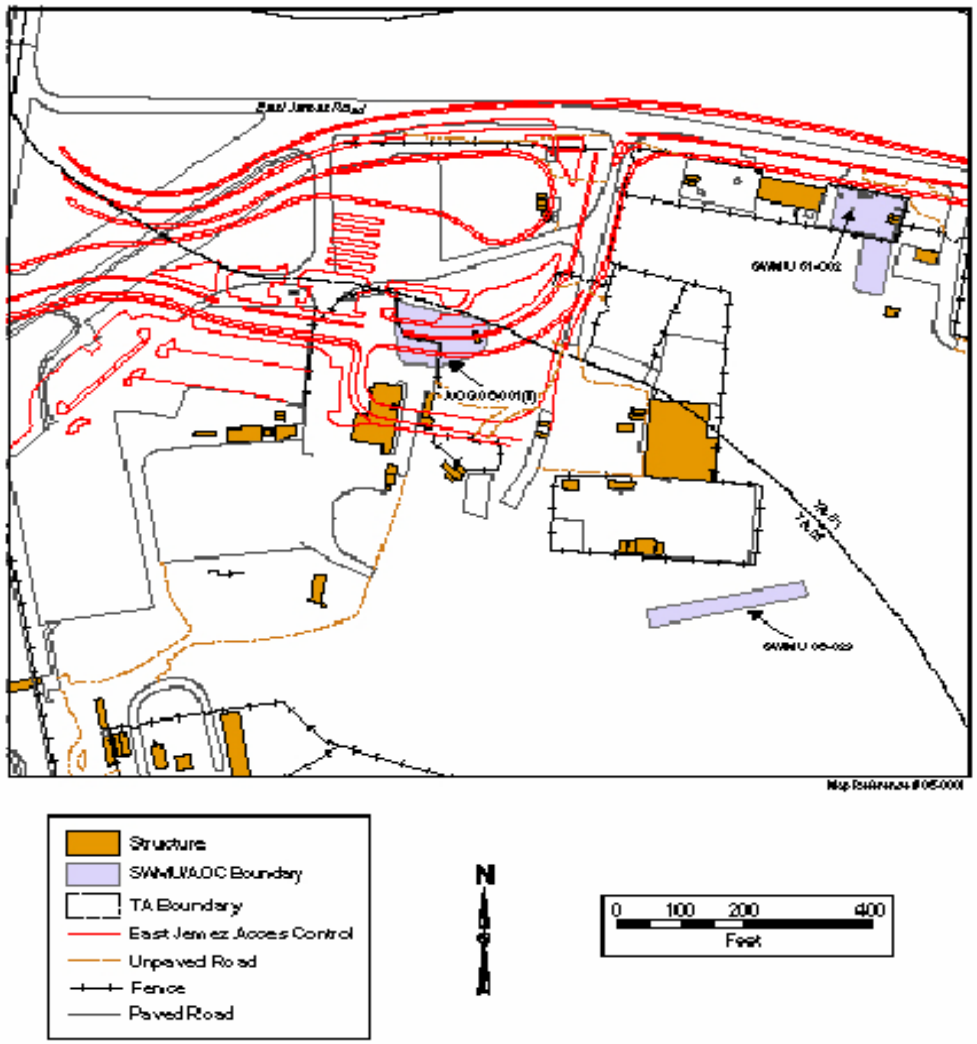
Security Perimeter Road Construction Project

- Existing Roads and Structures



Security Perimeter Road Construction Project

- Conceptual Design (Overlay)



1986 photo of Former Capacitor Storage Area

PRS 61-002 PCB Sampling 1986

PRS 61-002 PCB Sampling 1986

PRS 61-002 After 1986 PCB Remediation

Security Perimeter Road - Characterization Sampling at PRS 61-002

PRS 03-001(i) Storage Area 2

Security Perimeter Road - Characterization Sampling, PRS 03-001(i) Storage Area 2

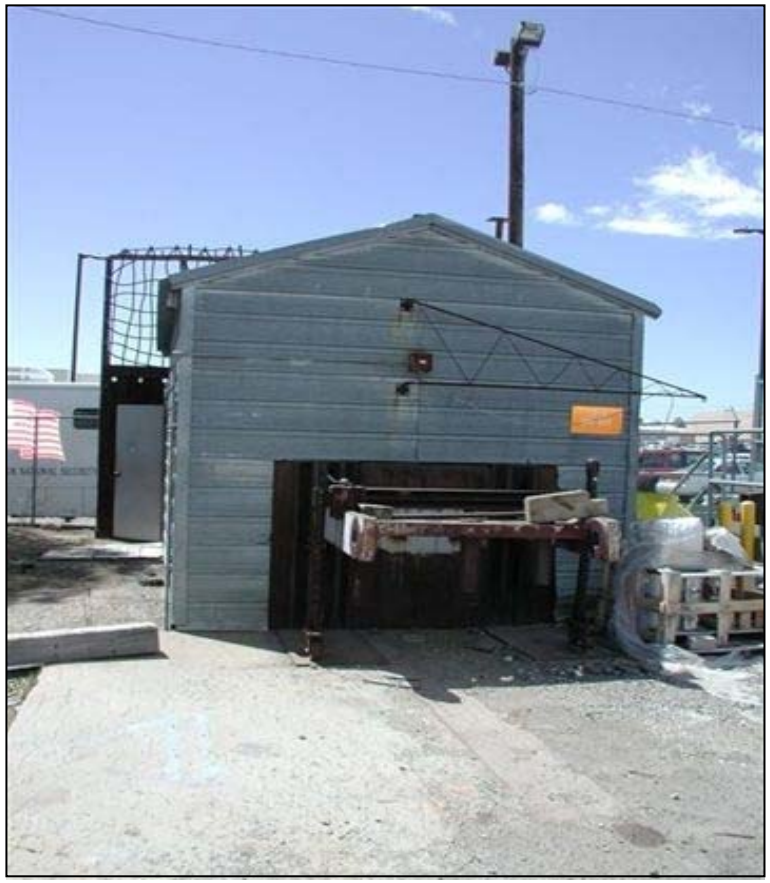
Excavation of PRS 03-001(i), Storage Area 2

Security Perimeter Road - PRS 03-001(i) Storage Area 1

Ground-Penetrating Radar Survey of PRS 03-029, Suspected Asphalt Landfill

Trenching to Locate Suspected Former Asphalt Landfill

PRS 03-013(i), Cable Test Facility Hydraulic Oil Leak



- D&D of 2 small buildings
- Excavated 20 cubic yards of petroleum contaminated soil & Concrete
- No PCBs
- 20 samples collected and analyzed

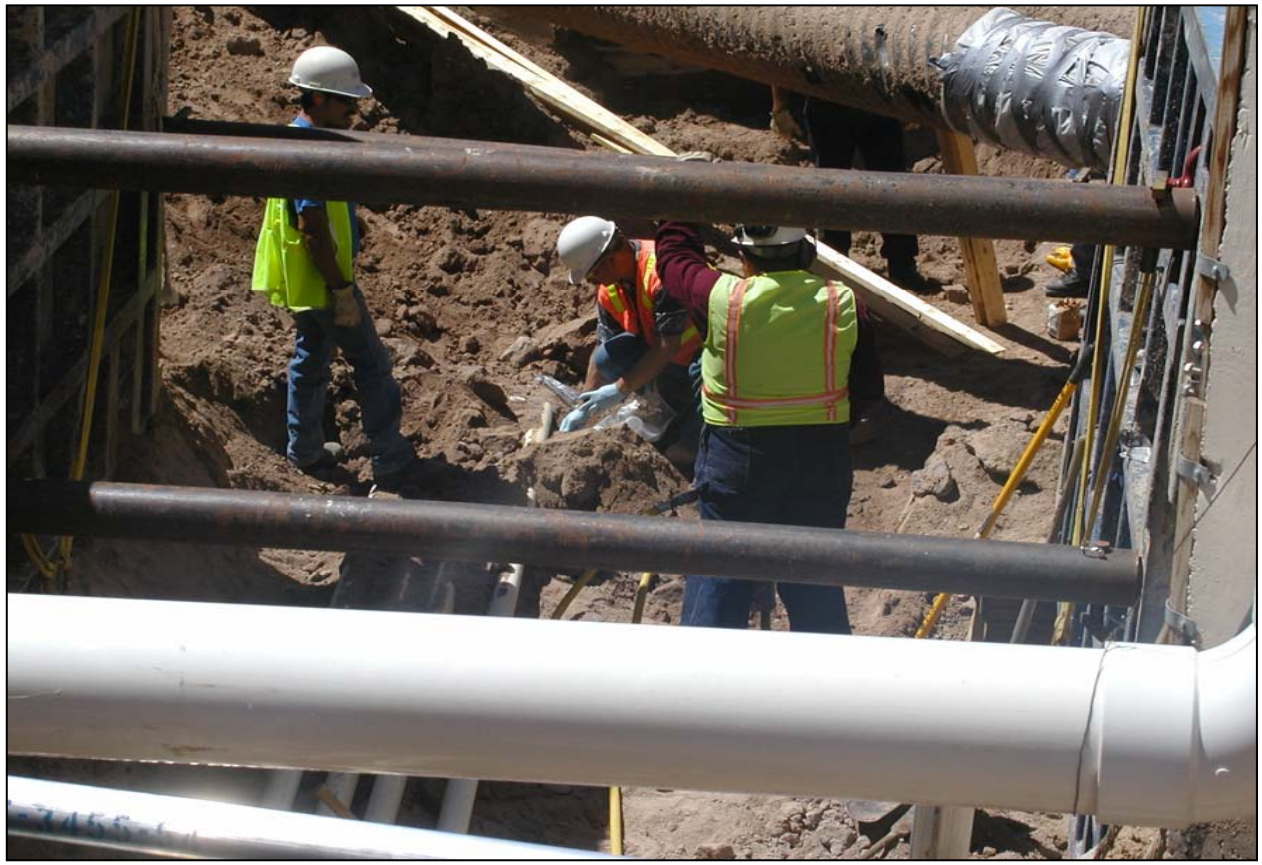
PRS 03-013(i) During Excavation

PRS 03-013(i) After Excavation

Infrastructure Reinvestment Project - TA-55, Radiation Liquid Waste Line Sampling

- 150 feet of waste lines at TA-55 were excavated, removed and tied into new waste lines; the waste lines are part of PRS 50-001(b).
- Characterization sampling conducted in June 2005.
- Approximately ten samples were collected beneath the waste lines prior to removal. Waste lines are in excellent condition.
- No elevated radiation levels detected during sample collection; no soil removal required.
- Data will help anticipate conditions for remainder of PRS located within TA-50

Infrastructure Reinvestment Project - TA-55 Radiation Liquid Waste Line Sampling



Pump House and Influent Storage Facility Project, TA-50

- Upon completion of construction, PRSs 50-004(c) and 50-011(a) will be inaccessible
- Characterization sampling conducted in 2004
- 27 confirmation samples were collected
- Approximately 18,000 cubic yards of fill and tuff were excavated to accommodate the new pump house
- Analytical results indicate no release from either PRS

TA-50 Pump House Project - PRS 50-011(a) Characterization Sampling of Infiltration Shaft During Pump House Excavation

TA-50 Pump House Project, PRS 50-011(a) Infiltration Shaft

TA-33 High Bay Complex Project, PRS 33-002(a), 33-002(b), 33-002(c) and 33-013

- Upon completion of construction, all or portions of PRSs 33-002(a), (b) & (c) and 33-013 will be inaccessible
- Remediation and confirmation sampling conducted in May-July 2005 – work is ongoing
- Approximately 40 cubic yards of LLRW will be generated
- More than 75 confirmation samples will be collected

TA-33 High Bay Complex Project, PRS 33-002(a) Septic Tank Prior to Excavation

TA-33 High Bay Complex Project, PRS 33-002(a) Septic Tank and Inlet Line During Excavation

TA-33 High Bay Complex Project, Waste Packaging in Bulk Sacks