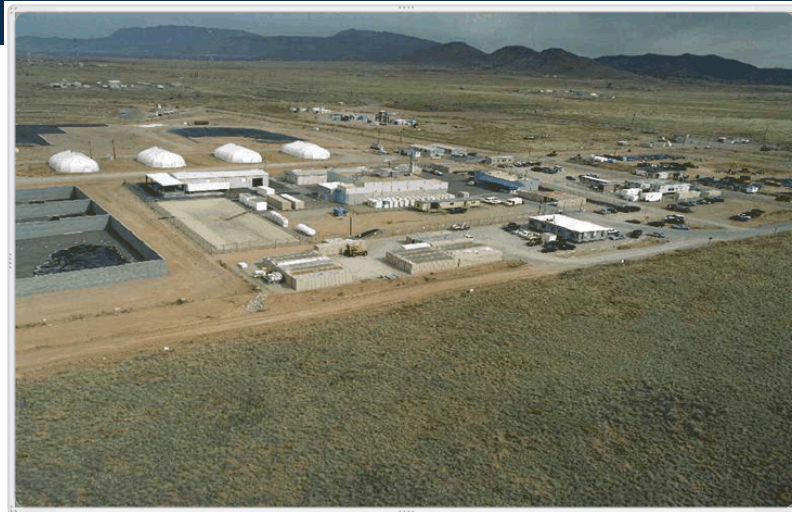


Exceptional service in the national interest



Waste Management and Pollution Prevention Department

Jeff Jarry, Manager
Department 4144



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Department Personnel

- 7 Regular Sandia Employees
- ~19 Subcontractor employees
- 5 Full-time Radiation Protection support personnel including one Radiation Safety Officer
- 1 Part-time Industrial Hygiene and 1 part-time Industrial Safety person



Mission



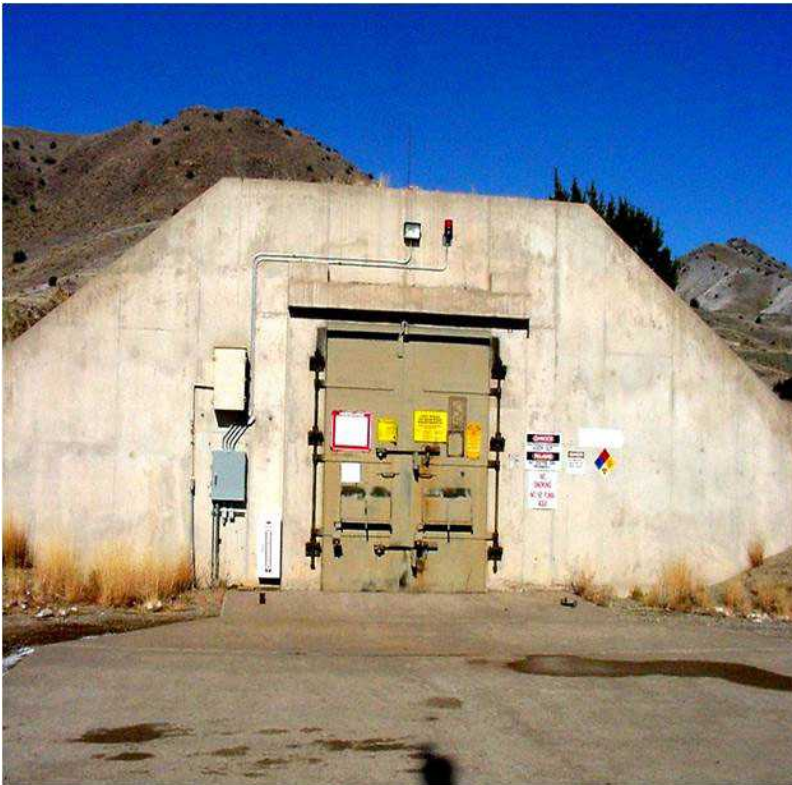
- Manage radioactive, mixed wastes and nuclear materials
 - Waste handling operations
 - Characterizing Waste
 - Packaging Waste
 - Shipping Waste
 - Communicating with generators
 - Training generators

The Radioactive & Mixed Waste Management Facility (RMWMF)

- Facilities located in Tech Area III of Kirtland Air Force Base (KAFB)
- Four main buildings (permanent)
- Several temporary support structures
- Low-Hazard Radiological Facility (< HC 3 Nuclear)
- RCRA Interim Status Permit for Treatment and Storage (NMED regulated)



Manzano Bunkers



- Storage only – no open container operations
- 7 Individual Bunkers
- RCRA-permitted (State of New Mexico)
- Physically Secure Storage
- Intrusion Alarmed
- 4 bunkers are HC3 nuclear facilities
- Documented Safety Analysis/Technical Safety Requirements/Nuclear Operating Procedures

Hazard Category 3 Transportation Operations (HC3T)

- Nuclear operation per 10CFR830 Subpart B
- DSA & TSRs
- Permits onsite transport of HC3 packages between MNF and TA-5 nuclear facilities
- High degree of formality & visibility



Controls

- Engineered

- Repackaging operation
 - Glovebox modified to increase flow-rate and provide isolation in upset condition
 - Additional High Efficiency Particulate Air (HEPA) filter to isolate contamination and protect facility ductwork
- Drum Venting Operation
 - HEPA filtration unit with drum hood attachment
 - Non-sparking tools, grounding of drums, Lower Explosive Limit (LEL) monitoring



- Administrative

- Work plan with detailed instructions
- Review and approval by Subject Matter Experts (SMEs) including Industrial Hygiene (IH), Radiation Protection (RP), and Fire Protection
- Trained personnel by performing dry runs

- Full Personal Protective Equipment (PPE)

- Coveralls with hood, gloves, shoe covers, safety shoes, and respiratory protection

