

General  
Permit  
ENTREPRENEUR



Environmental Protection Division  
Water Quality & RCRA Group (ENV-RCRA)  
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Date: September 22, 2008  
Refer To: ENV-RCRA-08-191

Mr. James Bearzi  
Hazardous Waste Bureau  
New Mexico Environment Department  
2905 Rodeo Park Drive East, Building 1  
Santa Fe, NM 87505



Dear Mr. Bearzi:

**SUBJECT: BUILDINGS OR FIXED STRUCTURES SCHEDULED TO BE DEMOLISHED DURING FISCAL YEAR 2009**

The purpose of this letter is to submit a list of buildings or fixed structures scheduled to be demolished during fiscal year 2009 (October 1, 2008 through September 30, 2009). This information is required under the provisions of the Settlement Agreement and Stipulated Final Order (Agreement) signed April 10, 2007 between the New Mexico Environment Department (NMED) the United States Department of Energy (DOE) and Los Alamos National Security, LLC (LANS). This list is submitted to satisfy the requirements of Paragraph 21 subparagraph (b) of the Agreement.

Enclosure 1 describes the buildings or fixed structures scheduled for demolition, and for each: the historic uses and dates of operation; solid waste management units (SWMUs) or areas of concern (AOC) within 50 feet; categories of potential wastes generated or managed there, the date or quarter in which the demolition is scheduled to begin and buildings or fixed structures identified in previous fiscal year that were not demolished.

If you have any questions or comments concerning this submittal, please contact Jack Ellvinger of my staff at (505) 667-0633.

Sincerely,

*A R Grieggs*  
Anthony R. Grieggs  
Group Leader  
Water Quality & RCRA Group (ENV-RCRA)



ARG:CJ/lm

Enclosures: a/s

Cy: Michael B. Mallory, PADOPS, w/o enc., A102  
Jay Johnson, PADOPS, w/o enc., A102  
Richard S. Watkins, ADESHQ, w/o enc., K491  
George Rael, LASO-EO, w/o enc., A316  
Gene Turner, LASO-EO, w/o enc., A316  
Alison Dorries, WES-DO, w/o enc., M996  
Jim Jones, FIRP-DO, w/o enc., J590  
Cindy Hayes, ES-DO, w/o enc., E583  
Darrik Stafford, FIRP-DISP, w/o enc., J590  
Jack Ellvinger, ENV-RCRA, w/o enc., K490  
Ellen Louderbough, LC-LESH, w/o enc., A187  
ENV-DO, File, w/o enc., J978  
ENV-RCRA, File, w/enc., K490  
IRM-RMMSO, w/enc., A150

# **ENCLOSURE 1**

Schedule of D and D Projects FY 2009

Technical Area (TA) and building number	Type of Structure	Current and historic uses	Approximate dates of Operation	Solid Waste Management Units (SWMU)/ Areas of Concern (AOC) w/in 50 ft. of footprint	Category	Date /Quarter Demolition expected to begin	Buildings or Fixed Structures identified in previous fiscal year that were not demolished	Additional information
16-430	HE Pressing Building	PBX and mock HE powders were pressed to shape.	1950s - 2007	SWMU 16-003(l)-99 consists of three HE sumps and associated drain lines [SWMU 16-003(l)] and three outfalls [SWMU 16-030(h)] from the HE pressing building (bldg. 16-430). The three sumps received effluent from five pressing bays. Waste primarily consisted of small quantities of HE powder and solvents. Most solvents and HE collected in the sumps were removed and burned. Each outfall received effluent from the sumps.	Asbestos Tile and Valve covers and fittings; roofing type products	4th Quarter (Funding Dependent)	08-026 Storage Building	
16-435	Rest House	This rest house has functioned as a temporary storage area for packaged raw explosives being delivered to HE-processing buildings, for finished HE products ready for transport, or for scrap explosives being removed for disposal. The rest house contains an attached 4-ft x 8-ft utility room equipped with one steam pump and one small compressor used to heat and ventilate the building. The utility room has a single floor drain, which, until 1992, discharged low volumes of steam condensate through a 4-in. VCP to an outfall located approximately 90 ft from the rest house.	1950s - 2007	SWMU 16-026(d2) - approved for NFA. Drain line will be capped at the slab or excavation.	Asbestos roofing type products	4th Quarter (Funding Dependent)	08-030 Research Building	
16-437	Rest House	This rest house has functioned as a temporary storage area for packaged raw explosives being delivered to HE-processing buildings, for finished HE products ready for transport, or for scrap explosives being removed for disposal. The rest house contains an attached 4-ft x 8-ft utility room equipped with one steam pump and one small compressor, which are used to heat and ventilate the building. The utility room has a single floor drain, which until 1992, discharged low volumes of steam condensate through a 4-in. VCP to an outfall located approximately 90 ft from the rest house.	1950s - 2007	SWMU 16-026(x) - approved for NFA. Drain line to outfall will be capped at the slab or excavation.	Asbestos valve covers and fittings; roofing type products	4th Quarter (Funding Dependent)	08-032 Magazine	

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18-005	Metal Building	Inactive (approximately 96 sq ft) metal building/armored bunker that was used to protect shot instrumentation for an inactive firing site in Threemile Canyon.	1945 - 1948	Structure 18-005 is part of SWMU 18-002(b) an inactive firing site in Threemile Canyon. The three firing pads were located further up-canyon west of structure 18-005. The firing pads were removed sometime before the construction of CASA 2 in the late 1940s.		4th Quarter (Funding Dependent)	08-065 Storage Building	
18-028	Warehouse	Inactive 40' x 110' prefabricated metal warehouse that served as the drop point for TA-18 deliveries and was primarily used for storage. A small machine shop and offices were also located in the building. Radiation sources were housed in the building until 1996.	1950 - 2007	SWMU 18-003(e) is an inactive septic tank (structure 18-040) that served Building 18-0028 from 1951 to 1969. Drain lines to the septic system will be capped at the slab; therefore, there should be no impacts to this SWMU. The sink in the former machine shop was connected to SWMU 18-003(h), an inactive septic tank (structure 18-152). The tank outlet line now connects with the outlet line for SWMU 18-003(g) and discharges to the sanitary sewer. Drain lines to the septic systems and outfall will be capped at the slab or capped at the excavation boundary; therefore, there should be no impacts to these SWMUs. AOC 18-010(e) is an active outfall for a paved ditch that collects stormwater from the area between Buildings 18-028 and 18-147. This AOC will not be impacted by planned D&D activities.		4th Quarter (Funding Dependent)	08-127 Storage Shed	
18-030	Main Building	Inactive main office building at TA-18 with offices, laboratories, a high bay area with a mezzanine and a small welding shop, 3 control rooms, basement with two dark rooms. After 1992, the dark rooms housed safes containing classified material.	1951 - 2007	SWMU 18-001(c) is a sump with two sump pumps located in the basement of Bldg. 18-030. The sump primarily collected groundwater from drains outside the basement walls. Historically, some sinks and floor drains in the building discharged to the sump. By the summer of 1994, all drains were redirected to the sanitary sewer line and the sump was removed from service in 1996. The sump pumps will be removed and the sump will be removed if the building is slab is removed or the sump will be filled with concrete. SWMU 18-003(f) is an inactive septic tank (structure 18-041) that received wastewater from Bldg. 18-0030 from 1952 to 1969. SWMU 18-012(b) is an outfall that receives discharge from the floor drains, sinks, and a welding quench tank in Bldg. 18-030. SWMU 18-004(a) is an inactive 3-in. stainless-steel industrial line that connected the sinks on the west side of Bldg. 18-030 to the tanks in SWMU 18-004(b). Drains and drainlines to the inactive industrial line and inactive septic systems will be capped at the slab or capped at the excavation boundary; therefore, there should be no impacts to these SWMUs. AOCs 18-010(b & c) are outfalls that receive stormwater from a drainage ditch and paved areas around Bldg. 18-030; these AOCs will not be impacted by planned D&D activities.	Asbestos Tile and Valve covers and fittings	4th Quarter (Funding Dependent)	16-1407 Trailer	
18-031	Utility Building	Main utility building for TA-18, constructed in 1952. The building houses 13.2kV switchgear, air compressors, transformers, a battery room, and boilers.	1952 - 2007	SWMU 18-012(b) is an outfall that receives discharge from the floor and roof drains of Bldg. 18-031; SWMU 18-003(e) is an inactive septic tank (structure 18-040) that served Bldg. 18-031. Drain lines to the septic systems will be capped at the slab or capped at the excavation boundary; therefore, there should be no impacts to these SWMUs. AOC 18-010(c) is outfalls that receive stormwater from a paved area adjacent to Bldg. 18-031; this AOC will not be impacted by planned D&D activities.		4th Quarter (Funding Dependent)	16-1489 Steam Plant	

Schedule of D and D Projects FY 2009

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18-032	Critical Assembly Building	Kiva 2 (also known a CASA 2), a critical assembly building where fission reactor mockup studies for the Rover Program were conducted.	1955 - 2007	AOC 18-010(f) is an outfall for roof drains and floor drains at Bldg. 18-032. Drain lines to the outfall will be capped at the slab or capped at the excavation boundary; therefore, there should be no impacts to this AOC.	Asbestos on Valve covers and fittings	4th Quarter (Funding Dependent)	16-193 Laundry and Change House	
18-037	Guard Station	An inactive guard station consisting of 10-in. thick concrete walls on a concrete slab.	1950 - 2007	SWMU 18-003(e) is an inactive septic tank (structure 18-040). Drain lines to the septic system will be capped at the slab; therefore, there should be no impacts to this SWMU.	Asbestos Tile	4th Quarter (Funding Dependent)	16-375 Trailer	
18-116	Critical Assembly Building Kiva #3	Kiva 3 (also known a CASA 3); a critical assembly building where uranium reactor mockup tests were conducted; similar to work conducted in CASA 2.	1960 - 2007	SWMU 18-012(a) consists of an outfall for a combined industrial drain and storm sewer that serves the CASA 3 critical assembly building (Building 18-0116). Drain lines discharging to this outfall are connected to Building 18-116 roof drains, floor drains, and sinks. The outfall discharges onto the ground approximately 120 ft northeast of Building 18-0116. Drain lines to the outfall will be capped at the slab or capped at the excavation boundary; therefore, there should be no impacts to this SWMU.	Asbestos on Valve covers and fittings	4th Quarter (Funding Dependent)	16-376 Trailer	
18-119	Storage Building	A metal storage building on a concrete slab.	1948 - 2007	None		4th Quarter (Funding)	16-430 High Explosive Press Building	
18-122	Storage Building	A metal storage building on a concrete slab.	1960 - 2007	SWMU 18-002(b) is an inactive firing site in Threemile Canyon, near the present location of CASA 2 (Bldg. 18-032). Former Firing Point G is located at the southeast corner of the current storage Bldg. 18-122. The firing pads were removed sometime before the construction of CASA 2 in the late 1940s. D&D activities associated with Bldg. 18-122 will not impact this SWMU.		4th Quarter (Funding Dependent)	16-435 Rest House	
18-127	Pulsed Accelerator Building	The pulsed accelerator building is a two-story concrete block building with a large high bay at west end and a pit where a Cockcroft-Walton accelerator was previously located. The basement housed an Associated Particle Technique (APT) room and another larger room.	1966 - 2007	None	Asbestos Tile and Valve covers and fittings; roofing type products	4th Quarter (Funding Dependent)	16-437 Rest House	
18-128	Assembly Cover Building	A corrugated aluminum building with no floor, constructed in 1962. The structure is mounted on rubber fired wheels with an aluminum roll-up door; the structure sits on metal tracks. The structure served CASA 2 and held an assembly to reconstruct dosimetry from the Hiroshima bomb.	1962 - 2007	None	Asbestos on Valve covers and fittings	4th Quarter (Funding Dependent)	16-659 Office Trailer	

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18-129	Reactor Sub-Assembly Building	Concrete block building where fixed sources and fuel rods were stored.	1962 - 2007	SWMU 18-003(e) is an inactive septic tank (structure 18-040) that served Bldg. 18-129 from 1962 to 1969. Drain lines to the septic system will be capped at the slab or capped at the excavation boundary; therefore, there should be no impacts to this SWMU.	Asbestos Tile and Valve covers and fittings; roofing type products	4th Quarter (Funding Dependent)	16-660 Office Trailer	
18-138	Warehouse	Metal warehouse for CASA 3. Rover fuel assemblies and parts were stored here.	1962 - 2007	None		4th Quarter (Funding Dependent)	16-661 Office Trailer	
18-141	Ultrasonic Cleaning	Concrete block building where silbene detectors were cleaned out using benzene and ethanol.	1962 - 2007	AOC 18-012(c) consists of an inactive sump, drain lines, and outfall from Bldg. 18-141. The drain lines will be capped at the slab or excavation. If the foundation is removed and VOC constituents are found on the foundation, the debris may be classified as hazardous or mixed waste and would be managed accordingly.	Asbestos on roofing type products	4th Quarter (Funding Dependent)	21-1001 Records Center	
18-147	Office Building	A concrete-block office building that served as the Group office building.	1967 - 2007	SWMU 18-003(h) is an inactive septic tank (structure 18-152) that served Bldg 18-147. Drain lines to the septic system will be capped at the slab or capped at the excavation boundary; therefore, there should be no impacts to this SWMU.	Asbestos Tile and Valve covers and fittings; roofing type products	4th Quarter (Funding Dependent)	21-1002 Warehouse	
18-168	Sheba Critical Building	A Butler-type insulated metal building with a concrete floor. The Sheba reactor was a high-energy burst assembly that was situated in a lined concrete pit.	1969 - 2007	AOC 18-006 is a former 100-ft-long, underground steel-pipe used to store uranium solution for the former liquid-fueled reactor located in Building 18-168 and operated from 1970-1974. The reactor used enriched uranium in the form of uranyl sulfate (liquid), which was stored between experiments in a noncritical configuration in the AOC 18-006 underground pipe. During decommissioning in 1974, the liquid fuel was removed from the pipe, the pipe was rinsed with water, the rinsate was removed, and the pipe was left in place. At that time, all reactor components, excluding the buried pipe and west-end concrete pad, were decontaminated and removed. The pipe and concrete pad were subsequently removed during 1997 VCA activities; the trench was backfilled with excavated materials. This AOC should not be impacted by planned D&D activities.		4th Quarter (Funding Dependent)	21-1003 Backflow Preventer	
18-184	Trailer	An empty semi-trailer on wheels. The trailer was used for storage including old furnishings and new non-PCB transformers. The trailer was previously located north of building 18-256, but was relocated the area near (north of) CASA 3.	1974 - 2006	None		4th Quarter (Funding Dependent)	35-224 Trailer	
18-186	Other Service Buildings-Sheba Critical Building	A 12'x12', three story high steel guard tower.	1984 - 2007	None		4th Quarter (Funding Dependent)	35-226 Trailer	

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18-187	Guard Tower	A 12'x12', three story high steel guard tower.	1984 - 2007	None		4th Quarter (Funding Dependent)	35-227 Trailer	
18-188	Guard Tower	A 12'x12', three story high steel guard tower.	1984 - 2007	None		4th Quarter (Funding Dependent)	37-01 Magazine	
18-189	Secure Enhance Assessment Building	A concrete block building that housed all the electronics for site security. It has false flooring, A/C, leaded glass door, and electronics cabinets. The building was only used for housing the security system controls.	1985 - 2007	None		4th Quarter (Funding Dependent)	37-015 Magazine/Bunker	
18-190	Guard Station	Main guard station for TA-18 - concrete building.	1985 - 2007	None	Asbestos tile and roofing type products	4th Quarter (Funding Dependent)	37-018 Magazine/Bunker	
18-227	Accelerator Development Lab	Building consists of cast in place concrete without exterior paint; the basement floor is a slab on grade and the exterior walls are 8 inches thick.	1987 - 2007	None		4th Quarter (Funding Dependent)	37-02 Magazine	
18-256	Butler Building	30' x 30' metal Butler building, installed on a concrete slab; sealed sources are stored in a safe in the building.	1989 - 2007	None		4th Quarter (Funding Dependent)	37-03 Magazine	
18-257	Trailer	Office trailer - to be reused at another location.	1989 - 2007	None	Asbestos resilient floor covering	4th Quarter (Funding Dependent)	37-15 Magazine/Bunker	
18-258	Trailer	Office trailer - to be reused at another location.	1989 - 2007	None		4th Quarter (Funding Dependent)	37-16 Magazine/Bunker	
18-270	Guard Station	This structure was the original 'portable' guard station that was reinforced with steel plates and leaded glass.	1990 - 2007	None	Asbestos tile	4th Quarter (Funding Dependent)	37-17 Magazine/Bunker	
18-297	Storage Building	A 40' x 40' metal storage building installed on a concrete slab.	1997 - 2007	None		4th Quarter (Funding Dependent)	37-18 Magazine/Bunker	
21-014	Instrument Building	Formerly known as the diesel power plant and shop. Concrete block structure on a slab.	1945-1984	SWMU 21-024(e) served as the septic system for a former diesel power plant and shop (Bldg 21-14). A 4-in. tile pipe exited the southeast corner of Building 21-14 and connected to the septic tank structure 21-123. The septic tank and all drain lines were removed in 2006-2007. Planned demolition activities will not impact this SWMU			37-27 Storage Building	

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21-031	Maintenance Workshop and Crafts Building	One story concrete building with basement on concrete slab. Designated as cold work shop (carpentry shop, electrical shop, plumbing and welding shop), with a storage room. Designated as electronics building in 1989, and later as a maintenance workshop and crafts building.	1948 - 2006	None	Asbestos siding and valves and fittings	4th Quarter (Funding Dependent)	60-17 Cable Test Fabrication Facility	Historical Building - removed from D&D activities
21-212	Calcium Building	Concrete block structure on slab. Built as calcium grinding and storage facility. Contained compressor, grinder, desiccators, and barrels.	1964 - 2005	Adjacent to AOC C-21-013 - approved for NFA.		4th Quarter (Funding Dependent)	60-19 Assembly Rack Tower	Historical Building - removed from D&D activities
21-355	Storage Trailer	Office trailer.	1964 - 2003	Currently sitting over location of SWMU 21-022(g) - an inactive, subsurface radioactive liquid waste line. Removal of the trailer will not impact the SWMU.	Asbestos resilient floor covering	4th Quarter (Funding Dependent)	60-45 High Frequency Radio Facility	No longer scheduled for D&D
21-357	Steam Plant	Metal building on concrete slab with three large boilers. All equipment and piping will be salvaged.	1984 - 2007	None	Asbestos tile, siding, valves and fittings	4th Quarter (Funding Dependent)		
43-039	DOE-LASO Building	Three story office building with partial basement on slab. Initial served as the dormitory for the early Laboratory security services and offices, remodeled to office building with photo lab in basement.	1940s - 2008	None	Asbestos tile, siding, valves and fittings	4th Quarter (Funding Dependent)		
43-041	Steam Generating Plant Building	Formerly 00-1051, concrete block structure on a slab; not modified since it was constructed in 1949. Taken out of service in the early 1980s and used for storage until 1990.	1949 - 1990	SWMU 00-003-99 consists of SWMUs 00-003 and 00-012, a container storage area and a former underground blow-off tank located at the inactive Western Steam Plant. After the TA-03 power plant (Building 03-22) came on line in approximately 1952, the Western Steam Plant was put on standby status until it was removed from service in 1990. A VIA was completed in July 2000 during which the underground tank and a portion of the associated piping were excavated and removed from SWMU 00-012. The portion of the steam plant which housed SWMU 00-003 will be removed during demolition; SWMU 00-012 will not be impacted by planned demolition activities.	Asbestos Tile and Valve covers and fittings; roofing type products	4th Quarter (Funding Dependent)		
22-020	Bunker	Ammunition Storage	1950s-current	None		1st Quarter		