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Date: December 17, 2009
Refer To: ENV-RCRA-09-212
LAUR: 09-08124

Mr. James Bearzi, Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303

Dear Mr. Bearzi:

**SUBJECT: BUILDINGS OR FIXED STRUCTURES SCHEDULED TO BE
DEMOLISHED DURING FIRST QUARTER 2010**

The purpose of this letter is to submit a list of buildings or fixed structures scheduled to be demolished during the first quarter of 2010 (January 1, 2010 through March 31, 2010). 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 (c) of the Agreement.

The attached table 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. The table also includes updates regarding SWMU/AOC's to identify No Further Action areas.

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

Sincerely,

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



Enclosure: a/s

Cy: George Rael, LASO-EO, w/o enc., A906
Gene Turner, LASO-EO, w/o enc., A316
Michael B. Mallory, PADOPS, w/o enc., A102
Jay Johnson, ADPMSS, w/o enc., M984
Chris Cantwell, ADESHQ, w/o enc., K491
Alison Dorries, WES-DO, w/o enc., M996
Jim Jones, SP-DO, w/o enc., J590
Cindy Hayes, ES-DO, w/o enc., P948
Darrik Stafford, SP-DISP, w/o enc., J590
Duane Parson, PROJMGMT, w/enc., C349
Kevin Finn, PROJMGMT, w/enc., C349
Allan Choloupka, TA-21, w/enc., C348
Jack Ellvinger, ENV-RCRA, w/o enc., K490
Cathy Juarez, ENV-RCRA, w/o enc., K490
Ellen Louderbough, LC-LESH, w/o enc., A187
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IRM-RMMSO, w/enc., A150

Sigma Mesa Demolition and Destruction 1st Quarter 2010

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
21-220	Cooling Tower	The old TA-21-155	1965-2006	None*	Asbestos transite	1st Quarter		
21-388	Emissions Stack	Stack emissions from TA-21-155	1978-2009	None*		1st Quarter		
21-420	Cooling Tower	Newer TA-21-155 HVAC cooling tower		None*		1st Quarter		
21-213	Warehouse	General warehouse	1964-2006	None*		1st Quarter		
21-155	Research and Production	Offices, storage, equipment, also used for support of high temperature chemistry work, and for tritium research and production center	1949-2006	AOC C-21-011 is the location of a 1963, one-time release of radionuclides (uranium-235) from a plugged scrubber on the roof of Building TA-21-0155, the Tritium Systems Test Assembly facility. The affected area was cleaned up and the site was approved for NFA. SWMU 21-024(j) consists of an inactive septic tank (structure 21-194) and its associated drain lines. This septic tank received sewage from Building 21-155. The septic tank was removed during the DP Canyon Aggregate Area investigation and documented in the subsequent IR. SWMU 21-024(n) is a drain line that exits Building 21-155 and discharges into DP Canyon. This SWMU will not be impacted by the D&D of Bldg. 21-0155 and will be addressed in a future investigation work plan. AOC 21-025(a) was an off-gas system at the Tritium Systems Test Assembly (TSTA) facility, building 21-155; the AOC has been approved for NFA.	Asbestos tile, fire door, fittings, valves, roofing	1st Quarter		

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3-043	Cast-in-place reinforced concrete with numerous spot footings, concrete columns and beams, spandrel beams, and floor and roof decks. Interior partitions consist of Concrete Masonry Unit (CMU) walls and gypsum board and frame walls. The exterior treatment or curtain wall system is aluminum frame with glass and transite	Inactive. Served as the Laboratory's main administration building and consists of about 316,550 sq ft.	1955-2008	AOC 03-001(q) - former SAA, approved for NFA. SWMU 03-039(a) - former silver recovery unit - approved for NFA. AOC 03-040(b) , former storage area - approved for NFA.	Asbestos floor tile, fittings and valves, roofing material	1st Quarter		
03-0207	Only walkway connected to 03-0043	Walkway		AOC 03-001(q) - former SAA, approved for NFA. SWMU 03-039(a) - former silver recovery unit - approved for NFA. AOC 03-040(b) , former storage area - approved for NFA.		1st Quarter		
03-0132	Only walkway connected to 03-0043	Walkway		AOC 03-001(q) - former SAA, approved for NFA. SWMU 03-039(a) - former silver recovery unit - approved for NFA. AOC 03-040(b) , former storage area - approved for NFA.		1st Quarter		

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03-0406	Modular Office Bldg	Offices, 1440 sq ft.	1974-2009	<p>SWMU 03-003(a) - a temporary outdoor storage area for salvage oil-containing electrical equipment on the north and west sides of former building 03-0218, south building 03-0406. Salvage electrical equipment containing PCB-contaminated oils were temporarily staged at SWMU 03-003(a). During the 1986 CEARP survey, six 55-gal. drums were observed to be stored next to capacitors on asphalt and staining was visible on the north side of building 03-0218 within SWMU 03-003(a). A small asphalted area with an oil stain was excavated to a depth of 3 in. Use of the storage area ceased in the early 1990s. A wooden oil surge tank a chain link fence was erected on the concrete pad in the 1960s within the western portion of SWMU 03-003(a); the concrete sump that served as secondary containment for the surge tank was designated as SWMU 03-042.</p>		1st Quarter		
				<p>AOC 03-042 - the former location of a concrete sump/containment area west of building 03-0218. The sump was utilized as secondary containment for a wooden surge tanks (former structures 03-0063 and 03-0064) that contained non-PCB dielectric mineral oil used as insulation in experiments. The tanks were placed on the sump in 1965. The tanks and containment curbing were removed in 1985 and the sump and remaining associated infrastructure were removed in 1988.</p>				
43-039	Administration	Inactive. Served as DOE's main administration building. Originally used as barracks for guard force. 39,778 sq ft	1949-2008	No SWMUs or AOCs within 50 ft.		1st Quarter		
		<p>* NOTE: All buildings at TA-21 are located within the boundary of SWMU consists of SWMU 21-021 and AOCs 21-019(a-m) and 21-020(a and b). This consolidated unit was investigated as part of a larger group of SWMUs that represent potential surface soil contamination from historical airborne releases from former incinerators, stacks, and filter houses at TA-21. Radionuclides were the predominant emission and the amounts fluctuated greatly with time. Historical surface sampling data showed slightly elevated radionuclide levels TA-wide including americium-241, cesium-137, isotopes of plutonium, uranium-234 and tritium.</p>						