

TA03



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Water Quality & RCRA Group (ENV-RCRA)*  
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Date: September 23, 2010  
Refer To: ENV-RCRA-10-179  
LAUR: 10-06020

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

**SUBJECT: BUILDINGS OR FIXED STRUCTURES SCHEDULED TO BE  
DEMOLISHED DURING FISCAL YEAR 2011**

The purpose of this letter is to submit a list of buildings or fixed structures scheduled to be demolished during fiscal year 2011 (October 1, 2010 through September 30, 2011). 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. The attached table (LA-UR-10-06020) 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 should have any questions or comments concerning this submittal, please contact Catherine Juarez of my staff at (505) 667-4961.

Sincerely,

 DGL

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

ARG:CJ/lm

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, PADOPS, w/o enc., A102  
J. Chris Cantwell, ADESHQ, w/o enc., K491  
Alison Dorries, WES-DO, w/o enc., K491  
Jim Jones, SP-DO, w/o enc., J590  
Mark Haagenstad, ENV-RCRA, w/o enc., (E-File)  
Catherine Juarez, ENV-RCRA, w/enc., (E-File)  
Darrik Stafford, SP-DISP, w/enc., J590  
Ian Albright, PMF-FUNCT, w/enc., J590  
Allan Chaloupka, TA-21, w/enc., C348  
Duane Parsons, PMFS-DO, w/enc., C349  
Kevin Finn, TA21, w/enc., C349  
Marc Gallegos, ENV-ES, w/enc., (E-File)  
John Tymkowych, ENV-ES, w/enc., (E-File)  
Connie Gerth, ENV-ES, w/enc., (E-File)  
Ellen Louderbough, LC-LESH, w/o enc., A187  
ENV-RCRA File, w/enc., K490  
IRM-RMMSO, w/enc., A150

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FY 2011

| 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 |
|---|-------------------------------|--|--------------------------------|---|--|--|---|
| 03-0406                                 | Modular Office Building       | Office Space   |                                | SWMU 03-003(a) is a former outdoor storage area used for temporary storage of electrical equipment destined for salvage, some of which contained oil. The storage area was located on the north and west sides of building 03-0218. Use of the SWMU 03-003(a) storage area ceased in the early 1990s. AOC 03-042 is a former containment area located around the concrete pad in the western portion of SWMU 03-003(a). In 1965, wooden surge tanks were erected on the concrete pad and a chainlink fence was installed along the top of the concrete curb surrounding the pad. The tanks contained non-PCB dielectric mineral oil used as insulation in experiments conducted in building 03-0218. The surge tanks and chainlink fence were removed in 1985 along with the electrical equipment destined for salvage. The concrete curb and pad are still present at the site beneath transportable containers. SWMU 03-003(a) is a former outdoor storage area used for temporary storage of electrical equipment destined for salvage, some of which contained oil. The storage area was located on the north and west sides of building 03-0218. Use of the SWMU 03-003(a) storage area ceased in the early 1990s. AOC 03-042 is a former containment area located around the concrete pad in the western portion of SWMU 03-003(a). In 1965, wooden surge tanks were erected on the concrete pad and a chainlink fence was installed along the top of the concrete curb surrounding the pad. The tanks contained non-PCB dielectric mineral oil used as insulation in experiments conducted in building 03-0218. The surge tanks and chainlink fence were removed in 1985 along with the electrical equipment destined for salvage. The concrete curb and pad are still present at the site beneath transportable containers. SWMU 03-003(a) is a former outdoor storage area used for temporary storage of electrical equipment destined for salvage, some of which contained oil. The storage area was located on the north and west sides of building 03-0218. Use of the SWMU 03-003(a) storage area ceased in the early 1990s. AOC 03-042 is a former containment area located around the concrete pad in the western portion of SWMU 03-003(a). In 1965, wooden surge tanks were erected on the concrete pad and a chainlink fence was installed along the top of the concrete curb surrounding the pad. The tanks contained non-PCB dielectric mineral oil used as insulation in experiments conducted in building 03-0218. The surge tanks and chainlink fence were removed in 1985 along with the electrical equipment destined for salvage. The concrete curb and pad are still present at the site beneath transportable containers. |  | 1st Quarter 2011                           | 35-0224   |
| 03-0480                                 | Transportable Office Building | Office Space   |                                | None  |  | 4th Quarter 2010                           | 35-0226   |
| 21-0152                                 | Research and Production       | High Temperature chemistry laboratory for polonium initiatir research and production and then the Rover Project. Also used as a laboratory for tritium research and technology in support of the fusion problem. | 19-46-2006                     | SWMU 21-022(f) is an inactive sump and drainline that received industrial wastes from Buildings 21-0152 and 21-0370. SWMU 21-024(h) is an inactive septic system that received sewage from Buildings 21-0151 and 21-0152. SWMU 21-024(n) is a drainline that exits Building 21-155 and discharges into DP Canyon. The sump, septic tank, and drainlines associated with these sites have been removed and the sites characterized as part of DP Aggregate Area investigation. AOCs 21-019(k and l) are soil contamination from stack emissions. SWMU 21-021 consists of potential soil contamination from stack emissions from buildings at TA-21. AOC C-21 032 is a standby diesel generator in the basement of Building 21-152. The latter three sites were approved for NFA by EPA.  | Asbestos tile, fire door, fittings, valves, roofing                  | 4th Quarter 2010                           | 35-0227   |
| 21-0209                                 | Research and Administrative   | High temperature chemistry faciity and administrative office building for the Rover Project and the fusion project.  | 1965-2006                      | SWMU 21-024(i) is a septic system that received discharges from Buildings 21-0152 and 21-0209. The septic tank and drainlines have been removed and the site characterized as part of the DP Aggregate Area investigation. AOC 21-028(d) is a less-than-90-day storage area located on a concrete loading dock on the northwest side of Building 21-0209. This site is being investigated as part of the DP Site Aggregate Area AOCs 21-019(f and l) are soil contamination from stack emissions. AOC 21-020(b) is a former filter house. AOC 21-025(b) is an off-gas systems associated with Building 21-0209. The latter four sites were approved for NFA by EPA. SWMU 21-021 consists of potential soil contamination from stack emissions from buildings at TA-21.  | Asbestos tile, fire door, fittings, valves, roofing                  | 4th Quarter 2010                           |   |
| 21-149                                  | Support                       | Infrastructure, Corridor between TA-21-5 and TA-21-150   | 1962-2006                      | SWMU 21-021 consists of potential soil contamination from stack emissions from buildings at TA-21.  | Asbestos floor tile, fittings and valves, fire door, surfacing       | 4th Quarter 2010                           |   |
| 21-150                                  | Lab                           | Plutonium fuel development; building contained laser lab, wet lab, offices, also served as a non-nuclear laboratory.   | 1962-2006                      | AOC 21-028(b) consists of three former SAAs located inside of building 21-150 under hoods within rooms 603, 605, and 607 for alcohols, solvents, and other miscellaneous chemicals. These SAAs have been removed from service and have been approved for NFA. SWMU 21-022(h) is a sump (structure 21-202), its drainline, and a formerly permitted outfall. Structure 21-202 is an acid industrial-waste sump built from 1961 to 1962 from 36-in. CMP. It received industrial wastewater and drainage from basement floor drains and roof drains in Building 21-150. This SWMU will not be impacted during the D&D of Bldg. 21-150, but will be addressed in a future investigation work plan. SWMU 21-021 consists of potential soil contamination from stack emissions from buildings at TA-21.   | Asbestos floor tile, fittings and valves, roofing material, transite | 4th Quarter 2010                           |   |

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|---|-------------------------|---------------------------|--------------------------------|--|----------|--|---|
| 46-0119                                 | Modular Office Building | Office Space              |                                | <b>SWMU 46-003(a)</b> is a septic system consisting of a septic tank (structure 46-8), a manhole (structure 46-6), two distribution boxes (structures 46-9 and 46-10), and a drain field. The septic tank is located approximately 15 feet southeast of the southeast corner of building 46-119. In the early 1990s, the sanitary waste drainlines that previously served SWMU 46-003(a) were rerouted to the SWSC plant and are currently active. <b>SWMU 46-004(f)</b> is the outfall from an industrial drainline that served rooms 101 through 134 of building 46-24. The outfall consists of a 6-in.-diameter VCP that receives discharges from a sump, acid sink, several floor and sink drains, and cooling water system. The outfall pipe discharges to a drain approximately 15 ft west of building 46-119. This drain is part of a network of drains that discharge to former NPDES-permitted outfall 04A018. Before the outfall was removed from the NPDES permit, all discharges to the outfall from building 46-24 were ceased.   |          | 2nd Quarter 2011                           |   |
| 46-0194                                 | Modular Solar Building  |                           |                                | None   |          | 2nd Quarter 2011                           |   |
| 46-0195                                 | Modular Solar Building  |                           |                                | None   |          | 2nd Quarter 2011                           |   |
| 46-0342                                 | Gas Test Facility       |                           |                                | None   |          | 3rd Quarter 2011                           |   |
| 53-0773                                 | Trailer                 | Storage of PPE            | 1991- Present                  | None   |          | 3rd Quarter 2011                           |   |
| 63-0001                                 | Office Building         |                           |                                | <b>SWMU 63-001(b)</b> is an inactive 920-gal. septic tank (structure 63-14) and its associated seepage pit and drainlines. The seepage pit is 4 ft in diameter and 50 ft deep. This septic system served Building 63-1 and received only sanitary wastewater. The septic system was removed from service in 1993 when the lines were connected to the TA-46 SWSC.  |          | 4th Quarter 2011                           |   |
| TA-21-0227                              | Plant                   | Sewage Treatment Plant    |                                | <b>SWMU 21-026(a)</b> is the former STP (Building 21-227). The treatment plant was an extended aeration sanitary waste treatment plant with a grit chamber, comminuter, digester, aeration tank, and clarifier. Wastes were treated at Building 21-227 from 1966 until 1990, when treatment operations stopped. From 1990 until approximately 1995, sanitary wastes were collected and stored at Building 21-227 until they were trucked to the LANL SWSC plant for treatment. Originally, treated effluent leaving Building 21-227 was released at a concrete spill pad located on the southern edge of DP Canyon. Then, effluent was sent to a dosing siphon chamber (structure 21-348), then to two sand filter beds (structure 21-230), and finally to the AOC 21-026(d) outfall in DP Canyon. <b>SWMU 21-026(b)</b> consists of a series of four sand filter/sludge drying beds. All four beds were used from the time they were built in 1966 until 1990, when the two westernmost beds were converted to sand filters for effluent from the dosing siphon chamber. Each sand filter and sludge drying bed is 14.5 ft x 23 ft with 4-ft-deep concrete walls. When treatment operations stopped, the beds were filled with clean sand. <b>AOC 21-026(c)</b> is a dosing siphon chamber built in 1966. The chamber consists of a 5-ft-wide x 7-ft-long x 8-ft-deep concrete tank originally used as a chlorine contact chamber where wastewater was treated with chlorine disinfectant. In 1990, when chlorine treatment was no longer needed, the chamber was converted to a dosing siphon chamber. The dosing siphon chamber received effluent until the chamber was full, and then the effluent was pumped to the two sand filter beds. The dosing siphon chamber was abandoned when treatment operations stopped at the STP. <b>AOC 21-026(d)</b> is the outfall for Building 21-227. <b>SWMU 21-021</b> consists of potential soil contamination from stack emissions for buildings at TA-21. |          | 4th Quarter 2010                           |   |

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|---|-------------------|---------------------------|--------------------------------|---|----------|--|---|
| TA-21-0229                              | Administrative    | Control Building          |                                | <p><b>SWMU 21-026(a)</b> is the former STP (Building 21-227). The treatment plant was an extended aeration sanitary waste treatment plant with a grit chamber, comminuter, digester, aeration tank, and clarifier. Wastes were treated at Building 21-227 from 1966 until 1990, when treatment operations stopped. From 1990 until approximately 1995, sanitary wastes were collected and stored at Building 21-227 until they were trucked to the LANL SWSC plant for treatment. Originally, treated effluent leaving Building 21-227 was released at a concrete spill pad located on the southern edge of DP Canyon. Then, effluent was sent to a dosing siphon chamber (structure 21-348), then to two sand filter beds (structure 21-230), and finally to the AOC 21-026(d) outfall in DP Canyon. <b>SWMU 21-026(b)</b> consists of a series of four sand filter/sludge drying beds. All four beds were used from the time they were built in 1966 until 1990, when the two westernmost beds were converted to sand filters for effluent from the dosing siphon chamber. Each sand filter and sludge drying bed is 14.5 ft x 23 ft with 4-ft-deep concrete walls. When treatment operations stopped, the beds were filled with clean sand. <b>AOC 21-026(c)</b> is a dosing siphon chamber built in 1966. The chamber consists of a 5-ft-wide x 7-ft-long x 8-ft-deep concrete tank originally used as a chlorine contact chamber where wastewater was treated with chlorine disinfectant. In 1990, when chlorine treatment was no longer needed, the chamber was converted to a dosing siphon chamber. The dosing siphon chamber received effluent until the chamber was full, and then the effluent was pumped to the two sand filter beds. The dosing siphon chamber was abandoned when treatment operations stopped at the STP. <b>AOC 21-026(d)</b> is the outfall for Building 21-227. <b>SWMU 21-021</b> consists of potential soil contamination from stack emissions for buildings at TA-21.</p> |          | 4th Quarter 2010                           |   |
| TA-21-0286                              | Warehouse         | Storage                   |                                | <p><b>AOC C-21-014</b> is a currently operational equipment warehouse, designated TA-21-0286, built in 1968. Records show that either no documented releases have occurred or that releases have occurred. This site has been approved for NFA by EPA. <b>SWMU 21-021</b> consists of potential soil contamination from stack emissions from buildings at TA-21.</p>  |          | 4th Quarter 2010                           |   |
| TA-21-0342                              | Tank              | Water Tank                |                                | <p><b>SWMU 21-021</b> consists of potential soil contamination from stack emissions from buildings at TA-21.</p>  |          | 4th Quarter 2010                           |   |

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|---|-------------------|---------------------------|--------------------------------|---|----------|--|---|
| TA-21-0387                              | Shed              | Storage Shed              |                                | <p><b>SWMU 21-026(a)</b> is the former STP (Building 21-227). The treatment plant was an extended aeration sanitary waste treatment plant with a grit chamber, comminuter, digester, aeration tank, and clarifier. Wastes were treated at Building 21-227 from 1966 until 1990, when treatment operations stopped. From 1990 until approximately 1995, sanitary wastes were collected and stored at Building 21-227 until they were trucked to the LANL SWSC plant for treatment. Originally, treated effluent leaving Building 21-227 was released at a concrete spill pad located on the southern edge of DP Canyon. Then, effluent was sent to a dosing siphon chamber (structure 21-348), then to two sand filter beds (structure 21-230), and finally to the AOC 21-026(d) outfall in DP Canyon. <b>SWMU 21-026(b)</b> consists of a series of four sand filter/sludge drying beds. All four beds were used from the time they were built in 1966 until 1990, when the two westernmost beds were converted to sand filters for effluent from the dosing siphon chamber. Each sand filter and sludge drying bed is 14.5 ft x 23 ft with 4-ft-deep concrete walls. When treatment operations stopped, the beds were filled with clean sand. <b>AOC 21-026(c)</b> is a dosing siphon chamber built in 1966. The chamber consists of a 5-ft-wide x 7-ft-long x 8-ft-deep concrete tank originally used as a chlorine contact chamber where wastewater was treated with chlorine disinfectant. In 1990, when chlorine treatment was no longer needed, the chamber was converted to a dosing siphon chamber. The dosing siphon chamber received effluent until the chamber was full, and then the effluent was pumped to the two sand filter beds. The dosing siphon chamber was abandoned when treatment operations stopped at the STP. <b>AOC 21-026(d)</b> is the outfall for Building 21-227. <b>SWMU 21-021</b> consists of potential soil contamination from stack emissions for buildings at TA-21.</p> |          | 4th Quarter 2010                           |   |
| TA-39-139                               | Wood 3-side shed  | Materials storage         | 1970's to present              | None  |          | 2nd Quarter 2011                           |   |