

LA-UR-12-20498

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Title: UPDATED ENCLOSURES FOR BUILDINGS OR FIXED STRUCTURES SCHEDULED TO
DEMOLISHED 2nd QUARTER CALENDAR YEAR 2012

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Intended for: Environmental Programs



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MAY 10 2012

Date:
 Refer To: ENV-RCRA-12-0088
 LAUR: 12-20498

Mr. John E. Kieling
 Acting Bureau Chief
 Hazardous Waste Bureau
 New Mexico Environment Department
 2905 Rodeo Park Drive East, Building 1
 Santa Fe, NM 87505-6313

**SUBJECT: UPDATED ENCLOSURES FOR BUILDINGS OR FIXED STRUCTURES
 SCHEDULED TO BE DEMOLISHED 2ND QUARTER CALENDAR YEAR 2012**

Dear Mr. Kieling:

The purpose of this letter is to submit an updated list of buildings or fixed structures scheduled to be demolished during the 2nd Quarter, Calendar Year 2012 (April 1, 2012 through June 30, 2012) along with additional information requested by the New Mexico Environment Department – Hazardous Waste Bureau (NMED-HWB) in a teleconference call on April 11, 2012. The Permittees are providing this information in accordance with an agreement reached during a teleconference call on November 16, 2011 between the NMED-HWB, the Department of Energy (DOE) and Los Alamos National Security (LANS) representatives. It was agreed that on or before the last day of each quarter, DOE/LANS would provide a report to the NMED-HWB that would list the structures anticipated to be demolished the following quarter.

The additional information requested by the NMED-HWB, along with the updated list of buildings or structures, includes previous notification reporting on the following structures:

| Structure | Correspondence | Letter Number and Date |
|-----------|-----------------------------|-------------------------------------|
| 03-0058 | 1 st Qtr CY 2012 | ENV-RCRA -11-0272 December 12, 2012 |
| 03-0097 | 1 st Qtr CY 2012 | ENV-RCRA -11-0272 December 12, 2012 |
| 03-0187 | 1 st Qtr CY 2012 | ENV-RCRA -11-0272 December 12, 2012 |

| Structure | Correspondence | Letter Number and Date |
|-----------|-----------------------------|-------------------------------------|
| 03-0251 | 1 st Qtr CY 2012 | ENV-RCRA -11-0272 December 12, 2012 |
| 03-0285 | 1 st Qtr CY 2012 | ENV-RCRA -11-0272 December 12, 2012 |
| 03-0373 | 1 st Qtr CY 2012 | ENV-RCRA -11-0272 December 12, 2012 |
| 03-1664 | 1 st Qtr CY 2012 | ENV-RCRA -11-0272 December 12, 2012 |
| 03-2260 | 1 st Qtr CY 2012 | ENV-RCRA -11-0272 December 12, 2012 |
| 18-0037 | 1 st Qtr CY 2012 | ENV-RCRA -11-0272 December 12, 2012 |
| 18-0127 | 1 st Qtr CY 2012 | ENV-RCRA -11-0272 December 12, 2012 |
| 18-0129 | 1 st Qtr CY 2012 | ENV-RCRA -11-0272 December 12, 2012 |
| 18-0141 | 1 st Qtr CY 2012 | ENV-RCRA -11-0272 December 12, 2012 |
| 18-0187 | 1 st Qtr CY 2012 | ENV-RCRA -11-0272 December 12, 2012 |
| 18-0188 | 1 st Qtr CY 2012 | ENV-RCRA -11-0272 December 12, 2012 |
| 18-0190 | 1 st Qtr CY 2012 | ENV-RCRA -11-0272 December 12, 2012 |
| 18-0227 | 1 st Qtr CY 2012 | ENV-RCRA -11-0272 December 12, 2012 |
| 18-0270 | 1 st Qtr CY 2012 | ENV-RCRA -11-0272 December 12, 2012 |
| 18-0277 | 1 st Qtr CY 2012 | ENV-RCRA -11-0272 December 12, 2012 |
| 18-0297 | 1 st Qtr CY 2012 | ENV-RCRA -11-0272 December 12, 2012 |
| 35-0033 | 1 st Qtr CY 2012 | ENV-RCRA -11-0272 December 12, 2012 |
| 35-0046 | 1 st Qtr CY 2012 | ENV-RCRA -11-0272 December 12, 2012 |
| 35-0224 | 4 th Qtr CY 2011 | ENV-RCRA 11-0189 September 14, 2011 |
| 35-0226 | 4 th Qtr CY 2011 | ENV-RCRA 11-0189 September 14, 2011 |
| 35-0227 | 4 th Qtr CY 2011 | ENV-RCRA 11-0189 September 14, 2011 |

The following structures have not been previously notified to the NMED-HWB for demolition activities:

| | | | |
|---------|---------|---------|---------|
| 35-0262 | 57-0085 | 57-0123 | 03-0462 |
| 35-0263 | 57-0049 | 57-0115 | 03-0545 |
| 43-0024 | 57-0074 | 57-0118 | 03-0546 |
| 43-0045 | 57-0077 | 57-0121 | 03-1530 |
| 57-0041 | 57-0084 | 57-0122 | 03-1648 |
| 03-1533 | 03-1549 | 03-1550 | 03-1940 |
| 03-1777 | 03-1789 | 03-1939 | |
| 03-2018 | 35-0261 | | |

The attached tables "Updated Demolition Reporting 2nd Quarter Calendar Year 2012" (Enclosure 1) and "Attachment for 2nd Quarter Calendar Year 2012 Demolition Notification-Building Hazardous Material Descriptions" (Enclosure 2) describe the buildings or fixed structures scheduled for demolition and associated hazards (if any) for building or fixed structure as required by Permit Section 1.17.1.

Pursuant to Section 1.17.3 of the Los Alamos Laboratory Hazardous Waste Permit, should a demolition report be prepared for any of the buildings included herein, the Permittees will provide a copy of such report to the NMED-HWB within 30 days after the final report is written.

If you have questions or comments concerning this submittal, please contact Gene Turner (DOE) at (505) 667-5794 or Mark Haagenstad (LANS) at (505) 665-2014.

Sincerely,



Anthony R. Grieggs
Group Leader
Water Quality & RCRA Group
Los Alamos National Laboratory

Sincerely,



Gene E. Turner
Environmental Permitting Manager
Environmental Projects Office
Department of Energy
Los Alamos Site Office

ARG:GET:CJ/lm

Enclosures: (1) UPDATED Demolition Reporting 2nd Quarter Calendar Year 2012
(2) Attachment for 2nd Quarter Calendar Year 2012 Demolition Notification-Building
Hazardous Material Descriptions

Cy: Laurie King, USEPA/Region 6, Dallas TX, w/enc.
Pete Maggiore, LASO-EPO, w/enc., A316, (E-File)
Gene E. Turner, LASO-EPO, w/enc., A316, (E-File)
Carl A. Beard, PADOPS, w/o enc., A102, (E-File)
Michael T. Brandt, ADESH, w/o enc., K491, (E-File)
Alison M. Dorries, ENV-DO, w/o enc., K491, (E-File)
Scotty W. Jones, ENV-DO, w/o enc., K491, (E-File)
Mark Haagenstad, ENV-RCRA, w/enc., K404, (E-File)
Catherine Juarez, ENV -RCRA, w/enc., K404, (E-File)
Patricia Gallagher, ENV-ES, w/enc., J978, (E-File)
Jim Jones, ADMP, w/enc., J590, (E-File)
Ken Schlindwein, PADOPS, w/enc., M895, (E-File)
Janet Harry, IP-SDFD, w/enc., M895, (E-File)
Darrik Stafford, PF-DO, w/enc., D741, (E-File)
Ian Albright, MNGRFCT-DO, w/enc., J590, (E-file)
IRM-RMMSO, w/enc., A150, locatsteam@lanl.gov
ENV-RCRA Correspondence File, w/enc., M704

| 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 |
|---|-------------------|---------------------------|--------------------------------|---|----------|---|---|
| 03-0058 | Cooling tower | Cooling tower | 1951-1985 | Consolidated Unit 03-012(b)-00 consists of soil contamination from operational releases [SWMU 03-012(b)], a holding tank [SWMUs 03-014(q)], and two permitted outfalls [SWMUs 03-045(b) and 03-045(c)]. The SWMUs within this consolidated unit are associated with the TA-03 power plant (building 03-22) operations. SWMU 03-012(b) is soil contamination from operational releases, including cooling tower drift; SWMU 03-014(q) is a cooling-water holding tank; and SWMUs 03-045(b) and 03-045(c) are permitted outfalls that discharge into a small tributary of Sandia Canyon directly south of the steam power. The investigation for this consolidated unit is ongoing. Figures that depict these SWMUs and the source for the information above can be found in <i>Investigation Report for Upper Sandia Canyon Aggregate Area</i> (LA-UR-10-3256), which was submitted to NMED-HWB in May 2010 by letter. | Asbestos | 2nd Quarter CY 2012 | NA |
| 03-0097 | Wood Light Frame | Guard Station | 1955-2012 | None | Asbestos | 2nd Quarter CY 2012 | NA |
| 03-0187 | Cooling tower | Cooling tower | 1964-2011 | SWMU 03-045(h) is former NPDES-permitted outfall EPA 03A024 located in TA-03 at the north perimeter of the Sigma Complex security fence, approximately 50 ft north of cooling tower 03-0187. The outfall was formerly permitted for the discharge of treated cooling water and stormwater. The investigation for this site is ongoing. Figures that depict this SWMU and the source for the information above, can be found in <i>Investigation Report for Upper Sandia Canyon Aggregate Area</i> (LA-UR-10-3256), which was submitted to NMED-HWB in May 2010 by letter. AOC 03-050(c) is potential soil contamination attributed to emissions from exhaust stacks at the press building (building 03-0035). AOC C-03-007 is storage areas inside the Press Building, 03-0035. AOCs 03-050(c) and C-03-007 were recommended for NFA and NFA was approved by EPA. Descriptions of these sites are provided in Addendum 1 to the OU 1114 RFI Work Plan (LA-UR-95-0731), which was submitted to NMED in July 1995 by letter. | Asbestos | 2nd Quarter CY 2012 | NA |

| 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 |
|---|-------------------|---------------------------|--------------------------------|---|----------|---|---|
| 03-0251 | Shed | Water Valve House | 1965-2012 | Consolidated Unit 03-012(b)-00 consists of soil contamination from operational releases [SWMU 03-012(b)], a holding tank [SWMUs 03-014(q)], and two permitted outfalls [SWMUs 03-045(b) and 03-045(c)]. The SWMUs within this consolidated unit are associated with the TA-03 power plant (building 03-22) operations. SWMU 03-012(b) is soil contamination from operational releases, including cooling tower drift; SWMU 03-014(q) is a cooling-water holding tank; and SWMUs 03-045(b) and 03-045(c) are permitted outfalls that discharge into a small tributary of Sandia Canyon directly south of the steam power. The investigation for this site is ongoing. Figures that depict these SWMUs and the source for the information above can be found in <i>Investigation Report for Upper Sandia Canyon Aggregate Area</i> (LA-UR-10-3256), which was submitted to NMED-HWB in May 2010 by letter. | None | 2nd Quarter CY 2012 | NA |
| 03-0285 | Cooling tower | Cooling tower | 1951-1985 | Consolidated Unit 03-012(b)-00 consists of soil contamination from operational releases [SWMU 03-012(b)], a holding tank [SWMUs 03-014(q)], and two permitted outfalls [SWMUs 03-045(b) and 03-045(c)]. The SWMUs within this consolidated unit are associated with the TA-03 power plant (building 03-22) operations. SWMU 03-012(b) is soil contamination from operational releases, including cooling tower drift; SWMU 03-014(q) is a cooling-water holding tank; and SWMUs 03-045(b) and 03-045(c) are permitted outfalls that discharge into a small tributary of Sandia Canyon directly south of the steam power. The investigation for this consolidated unit is ongoing. Figures that depict these SWMUs and the source for the information above can be found in <i>Investigation Report for Upper Sandia Canyon Aggregate Area</i> (LA-UR-10-3256), which was submitted to NMED-HWB in May 2010 by letter. | Asbestos | 2nd Quarter CY 2012 | NA |

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| 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 |
|---|-------------------|---------------------------|--------------------------------|---|-----------|---|---|
| 03-0373 | Metal Guard House | Guard Station | 1971-2012 | None | None | 2nd Quarter CY 2012 | NA |
| 03-0462 | Office Trailer | Office Trailer | 1980-2012 | None | Asbestos | 2nd Quarter CY 2012 | NA |
| 03-0545 | Office Trailer | Office Trailer | 1978-2011 | None | None | 2nd Quarter CY 2012 | NA |
| 03-0546 | Office Trailer | Office Trailer | 1978-2011 | None | None | 2nd Quarter CY 2012 | NA |
| 03-1530 | Office Trailer | Office Trailer | 1981-2010 | None | Asbestos | 2nd Quarter CY 2012 | NA |
| 03-1533 | Office Trailer | Office Trailer | 1983-2010 | None | None | 2nd Quarter CY 2012 | NA |
| 03-1549 | Office Trailer | Office Trailer | 1984-2011 | AOC 03-010(c) is the site of a hydraulic pump housed in a metal shed north of Building TA-03-0216. It was removed between December 1990 and August 1991. This AOC was proposed for NFA and NFA was approved by EPA. A description of this site is provided in the OU 1114 RFI Work Plan (LA-UR-93-1000), which was submitted to NMED in July 1993 by letter. | Asbestos | 2nd Quarter CY 2012 | NA |
| 03-1550 | Office Trailer | Office Trailer | 1984-2011 | None | Asbestos | 2nd Quarter CY 2012 | NA |
| 03-1648 | Morgan Shed | Storage | 1985-2012 | None | None | 2nd Quarter CY 2012 | NA |
| 03-1664 | Shed | Hydraulic Pump Enclosure | 1986-2011 | None | TPH, PCBs | 2nd Quarter CY 2012 | NA |
| 03-1777 | Semi Trailer | Electronics Lab | 1989-2012 | None | None | 2nd Quarter CY 2012 | NA |
| 03-1789 | Office Trailer | Office Trailer | 1985-2012 | None | Asbestos | 2nd Quarter CY 2012 | NA |

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ENCLOSURE 1

| 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 |
|---|-----------------------|---------------------------|--------------------------------|---|----------|---|---|
| 03-1939 | Transportainer | Storage | 1989-2012 | None | None | 2nd Quarter CY 2012 | NA |
| 03-1940 | Transportainer | Storage | 1989-2012 | None | None | 2nd Quarter CY 2012 | NA |
| 03-2018 | Office Trailer | Office Trailer | 1985-2011 | SWMU 03-009(d) is a former 20-ft x 40-ft construction debris surface disposal site within a drainage gully west of building 03-2018. Small piles of cured asphalt (left over from paving a parking lot) and pieces of metal, sewer pipe, antenna tubing, and wood cable reels (origin unknown) were discarded at this surface disposal area. This SWMU was proposed for NFA and was removed from Module VIII of LANL's Hazardous Waste Facility Permit by NMED. A description of this site is provided in the OU 1114 RFI Work Plan (LA-UR-93-1000), which was submitted to NMED in July 1993 by letter. | Asbestos | 2nd Quarter CY 2012 | NA |
| 03-2260 | Metal Shade Structure | Badge Reader Shelter | 1995-2011 | AOC 03-010(c) is the site of a hydraulic pump housed in a metal shed north of Building TA-03-0216. It was removed between December 1990 and August 1991. This AOC was proposed for NFA and NFA was approved by EPA. A description of this site is provided in the OU 1114 RFI Work Plan (LA-UR-93-1000), which was submitted to NMED in July 1993 by letter. | None | 2nd Quarter CY 2012 | NA |

| 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 |
|---|----------------------------------|-------------------------------|--------------------------------|---|------------------------------|---|---|
| 18-0037 | Reinf. Concrete Structure | Guard Station | 1953-2009 | SWMU 18-003(e) is an inactive septic system at TA-18 that includes two inlet lines, a cylindrical septic tank (structure 18-0040), an outlet line, a drain field, and a former outfall. The septic tank is located approximately 50 ft southwest of building 18-0037. The septic system received sanitary waste and may also have received industrial waste. AOC 18-010(d) is an outfall that receives discharge in the form of sheet flow from a storm drainage collection area that drains the paved area northeast of building 18-37. Investigation of these sites is ongoing. Figures that depict this SWMU and AOC and the source for the information above can be found in Investigation Work Plan (IWP) for Lower Pajarito Canyon Aggregate Area, Revision 1 (LA-UR 10-7634), which was submitted to NMED-HWB on November 19, 2010. | Asbestos | 2nd Quarter CY 2012 | NA |
| 18-0127 | Steel Frame w/ Conc. Shear walls | Accelerator Building | 1967-2010 | None | Asbestos, RCRA metals, VOCs | 2nd Quarter CY 2012 | NA |
| 18-0129 | Cast Concrete | Reactor Sub-Assembly Building | 1962-2009 | AOC 18-012(c) consists of an inactive sump and two drainlines from building 18-141. One drainline is a 4-in. cast-iron pipe attached to the floor drain of a sump located in the pit of building 18-141. This drainline exits the south side of the building and discharges through an outfall that empties into a former drainage ditch approximately 80 ft east of building 18-141. The second drainline is a 3-in. cast-iron pipe connected to floor drains and sinks in building 18-141. Building 18-141 housed an ultrasonic cleaner, located in a pit below the floor, which used ethanol and benzene to clean beryllium parts and possibly radioactive materials. Investigation of this site is ongoing. Figures that depict this SWMU and the source for the information above can be found in Investigation Work Plan (IWP) for Lower Pajarito Canyon Aggregate Area, Revision 1 (LA-UR 10-7634), which was submitted to NMED-HWB on November 19, 2010. | TPH, PCBs, VOCs, RCRA Metals | 2nd Quarter CY 2012 | NA |

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|---|--------------------------|-------------------------------|--------------------------------|--|--|---|---|
| 18-0141 | Reinf. Masonry Structure | Ultra-Sonic Cleaning Building | 1966-2009 | <p>AOC 18-012(c) consists of an inactive sump and two drainlines from building 18-141. One drainline is a 4-in. cast-iron pipe attached to the floor drain of a sump located in the pit of building 18-141. This drainline exits the south side of the building and discharges through an outfall that empties into a former drainage ditch approximately 80 ft east of building 18-141. The second drainline is a 3-in. cast-iron pipe connected to floor drains and sinks in building 18-141. Building 18-141 housed an ultrasonic cleaner, located in a pit below the floor, which used ethanol and benzene to clean beryllium parts and possibly radioactive materials. Investigation of this site is ongoing. Figures that depict this SWMU and the source for the information above can be found in Investigation Work Plan (IWP) for Lower Pajarito Canyon Aggregate Area, Revision 1 (LA-UR 10-7634), which was submitted to NMED-HWB on November 19, 2010.</p> | VOCs, SVOCs, PCBs, Be, Asbestos, RCRA Metals | 2nd Quarter CY 2012 | NA |

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|---|----------------------------------|---------------------------|--------------------------------|--|-------------------------------------|---|---|
| 18-0187 | Premanufactured Metal Tower | Guard Station | 1986-2010 | <p>SWMU 18-002(b) is an inactive firing site at TA-18 in Three Mile Canyon near the present location of building 18-0032 (Kiva 2). The firing site was used from 1944 to 1945. The site consisted of a 2 ft-long × 2 ft-wide × 2-ft-deep firing chamber (former structure 18-0004) constructed from 1-in.-thick steel and an aboveground armored bunker (structure 18-0005), commonly called a "battleship," used to protect shot instrumentation. The top of the firing chamber was open and set flush with the ground west of structure 18-0005. A ground-level wooden structure (former structure 18-0006), located east of structure 18-0005, was the battery building for the firing site cable conduit system. It contained racks of lead-acid batteries. Structure 18-0004 was removed in 1945, structure 18-0006 was dismantled in 1951, and structure 18-0005 remains. Three additional firing points further up canyon are associated with SWMU 18-002(b). Firing Point C (now beneath building 18-0032) was 51 ft west of structure 18-0005 and on its midline. Firing Point G, located at the southeast corner of the current storage building 18-0122, was 145 ft west of structure 18-0005 on its midline. Firing Points C and G were used in firing operations involving smaller charges than the third firing point. The third firing point, Medium Firing Point, was built to handle HE charges of up to 2 tons. It was located 478 ft west of structure 18-0005 and 15 ft south of its midline. AOC C-00-012 consists of the Three Mile Canyon system. Figures that depict this SWMU and AOC and the source for the information above can be found in <i>Investigation Work Plan (IWP) for Lower Pajarito Canyon Aggregate Area, Revision 1</i> (LA-UR 10-7634), which was submitted to NMED-HWB on November 19, 2010.</p> | Lead | 2nd Quarter CY 2012 | NA |
| 18-0188 | Premanufactured Metal Tower | Guard Station | 1984-2010 | None | Lead | 2nd Quarter CY 2012 | NA |
| 18-0190 | Reinf. Masonry Structure | Guard Station | 1986-2010 | None | TPH, PCBs | 2nd Quarter CY 2012 | NA |
| 18-0227 | Steel Frame w/ Conc. Shear walls | Lab | 1990-2009 | None | RCRA metals, VOCs, SVOCs, TPH, PCBs | 2nd Quarter CY 2012 | NA |
| 18-0270 | Steel Moment Frame | Guard Station | 1990-2011 | None | Lead | 2nd Quarter CY 2012 | NA |
| 18-0277 | Morgan Shed | Storage | 1994-2010 | None | None | 2nd Quarter CY 2012 | NA |

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|---|-------------------|---------------------------|--------------------------------|--|----------|---|---|
| 18-0297 | Metal Building | Storage | 1997-2009 | <p>SWMU 18-005(a) consists of an area of potentially contaminated soil associated with a former magazine (structure 18-0015) that was used from 1945 until it was demolished in 1977. The magazine was a small, round, dirt-bermed wooden structure constructed at grade and located west of building 18-297. The magazine originally stored HE for firing-site activities conducted at SWMU 18-002(a). Uranium and beryllium oxide were also stored in the magazine for nuclear criticality studies conducted from approximately 1946 to 1955. Investigation of this site is ongoing. Figures that depict this SWMU and the source for the information above can be found in Investigation Work Plan (IWP) for Lower Pajarito Canyon Aggregate Area, Revision 1 (LA-UR 10-7634), which was submitted to NMED-HWB on November 19, 2010.</p> | None | 2nd Quarter CY 2012 | NA |
| 35-0033 | Cooling tower | Cooling tower | 1967-2011 | <p>SWMU 35-009(d) is an abandoned 1600-gal. septic tank and leach field located east of structure 35-0033. SWMU 35-016(p) is an outfall northwest of building 35-0033 that discharged noncontact cooling water condensate from building 35-0027. SWMUs 35-009(d) and 35-016(p) were investigated and found to pose no unacceptable risk or dose under a residential scenario and were recommended for corrective action complete without controls. Figures that depict these SWMUs and the sources for the information above can be found in the Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate (LA-UR-02-0244), which was submitted to NMED-HWB in March 2002 by letter and the Investigation Report for Middle Mortandad/Ten Site Aggregate (LA-UR-08-0336), which was submitted to NMED-HWB in February 2008 by letter.</p> | Asbestos | 2nd Quarter CY 2012 | NA |

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|---|----------------------|---------------------------|--------------------------------|--|-------------------|---|---|
| 35-0046 | Reinforced Conc./CMU | Records Storage | 1962-2010 | SWMU 35-004(a) consists of an outdoor storage area to the east of structure 35-0046. SWMU 35-009(e) is a 4-in. vitrified clay pipe connected to floor drains inside structure 35-0025. SWMU 35-016(d) is an inactive outfall the formerly discharged noncontact cooling water from structure 35-0046. SWMU 35-014(a) is a former area of soils contaminated by radionuclide emissions from a tritium glovebox facility. These SWMUs were investigated and found to pose no unacceptable risk or dose under a residential scenario (SWMUs 35-004[a] and 35-014[a]) or recreational scenario (SWMUs 35-009[e] and 35-016[d]) and were recommended for corrective action complete. Figures that depict these SWMUs and the sources for the information above, can be found in the Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate (LA-UR-02-0244), which was submitted to NMED-HWB in March 2002 by letter and the Investigation Report for Middle Mortandad/Ten Site Aggregate (LA-UR-08-0336), which was submitted to NMED-HWB in February 2008 by letter. | Asbestos, Tritium | 2nd Quarter CY 2012 | NA |
| 35-0224 | Office Trailer | Office Trailer | 1969-2010 | Structure 35-0224 is located within the footprint of SWMU 35-014(a) , which is a former area of soils contaminated by radionuclide emissions from a tritium glovebox facility. SWMU 35-014(a) was investigated and found to pose no unacceptable risk or dose under a residential scenario and was recommended for corrective action complete without controls. Figures that depict this SWMU and the sources for the information above can be found in the Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate (LA-UR-02-0244), which was submitted to NMED-HWB in March 2002 by letter and the Investigation Report for Middle Mortandad/Ten Site Aggregate (LA-UR-08-0336), which was submitted to NMED-HWB in February 2008 by letter. | Asbestos, Tritium | 2nd Quarter CY 2012 | NA |

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| 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 |
|---|-------------------|---------------------------|--------------------------------|---|-------------------|---|---|
| 35-0226 | Office Trailer | Office Trailer | 1963-2010 | Structure 35-0226 is located within the footprint of SWMU 35-014(a) , which is a former area of soils contaminated by radionuclide emissions from a tritium glovebox facility. SWMU 35-014(a) was investigated and found to pose no unacceptable risk or dose under a residential scenario and was recommended for corrective action complete without controls. Figures that depict this SWMU and the sources for the information above, can be found in the Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate (LA-UR-02-0244), which was submitted to NMED-HWB in March 2002 by letter and the Investigation Report for Middle Mortandad/Ten Site Aggregate (LA-UR-08-0336), which was submitted to NMED-HWB in February 2008 by letter. | Asbestos, Tritium | 2nd Quarter CY 2012 | NA |
| 35-0227 | Office Trailer | Office Trailer | 1966-2010 | Structure 35-0227 is located within the footprint of SWMU 35-014(a) , which is a former area of soils contaminated by radionuclide emissions from a tritium glovebox facility. SWMU 35-014(a) was investigated and found to pose no unacceptable risk or dose under a residential scenario and was recommended for corrective action complete without controls. Figures that depict this SWMU and the sources for the information above, can be found in the Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate (LA-UR-02-0244), which was submitted to NMED-HWB in March 2002 by letter and the Investigation Report for Middle Mortandad/Ten Site Aggregate (LA-UR-08-0336), which was submitted to NMED-HWB in February 2008 by letter. | Asbestos, Tritium | 2nd Quarter CY 2012 | NA |

UPDATED - Demolition Reporting
 2nd Quarter Calendar Year 2012
 (April 1, 2012 - June 30, 2012)

| 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 |
|---|-------------------|---------------------------|--------------------------------|--|----------|---|---|
| 35-0261 | Office Trailer | Office Trailer | 1985-2011 | SWMU 35-009(c) is an inactive septic tank and leach field located west of building 35-0261. SWMU 35-016(o) consists of four storm drains and outfalls discharging to Mortandad Canyon north of building 35-0002. These SWMUs were investigated and found to pose no unacceptable risk or dose under a residential scenario (SWMU 35-009[c]) or recreational scenario (SWMU 35-016[o]) and were recommended for corrective action complete. Figures that depict these SWMUs and the sources for the information above can be found in the Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate (LA-UR-02-0244), which was submitted to NMED-HWB in March 2002 by letter and the Investigation Report for Middle Mortandad/Ten Site Aggregate (LA-UR-08-0336), which was submitted to NMED-HWB in February 2008 by letter. | None | 2nd Quarter CY 2012 | NA |
| 35-0262 | Office Trailer | Office Trailer | 1985-2011 | SWMU 35-016(o) consists of four storm drains and outfalls discharging to Mortandad Canyon north of building 35-0002. SWMU 35-016(o) was investigated and found to pose no unacceptable risk or dose under a recreational scenario and was recommended for corrective action complete. Figures that depict this SWMU and the sources for the information above can be found in the Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate (LA-UR-02-0244), which was submitted to NMED-HWB in March 2002 by letter and the Investigation Report for Middle Mortandad/Ten Site Aggregate (LA-UR-08-0336), which was submitted to NMED-HWB in February 2008 by letter. | None | 2nd Quarter CY 2012 | NA |
| 35-0263 | Office Trailer | Office Trailer | 1985-2011 | None | None | 2nd Quarter CY 2012 | NA |

| 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 |
|---|-------------------|---------------------------|--------------------------------|--|----------|---|---|
| 43-0024 | Office Trailer | Office Trailer | 1985-2011 | AOC 43-001(b1) consists of a pipe that received discharges from a drinking fountain and hand washing sink in building 43-0024. This AOC was proposed for NFA and NFA was approved by EPA. A description of this site is provided in the OU 1136 RFI Work Plan (LA-UR-94-1244), which was submitted to NMED in May 1994 by letter. AOC C-43-001 is a storm-drain outfall that flows into Los Alamos Canyon. It collects runoff from the Health Research Laboratory (HRL) (building 43-0001) loading dock and also functions as the overflow from the lift station (structure 43-0010). Investigation of this site is ongoing. Figures that depict this AOC and the sources for the information above can be found in the Phase II Investigation Work Plan for Upper Los Alamos Canyon Aggregate Area (LA-UR-10-6327), which was submitted to NMED-HWB in October 2010 by letter. | Asbestos | 2nd Quarter CY 2012 | NA |
| 43-0045 | Office Trailer | Office Trailer | 1991-2011 | SWMU 43-001(a1) is a disconnected 4-in. cast-iron sanitary sewer line that served building 43-0001 until 1981, when TA-43 sewer lines were redirected to the TA-03 treatment plant. AOC 43-001(a2) is the sanitary sewer line that served TA-43 after 1981. Investigation of these sites has been deferred until deactivation of nearby utilities and removal of associated buildings. Figures that depict these AOCs and the sources for the information above can be found in the Investigation Work Plan for Upper Los Alamos Canyon Aggregate Area (LA-UR-06-0226), which was submitted to NMED-HWB in April 2006 by letter. | Asbestos | 2nd Quarter CY 2012 | NA |
| 57-0041 | Concrete | Pump House | 1980-2010 | AOC 57-004(b) is a 5-million-gal., plastic-lined settling pond located southwest of the main TA-57 operating area. The pond was constructed in 1982 and formerly contained circulation fluids from geothermal wells. The pond has a synthetic membrane liner with an underdrain system below the liner. In 2002, the pond, which was regulated under the New Mexico Oil Conservation Division regulations underwent regulatory closure and was modified for use in the Milagro gamma-ray observatory project, which did not require a permit. The pond was cleaned out, instrumented with over 700 photomultiplier tubes, refilled with purified water, and covered with a light-proof cover consisting of a synthetic membrane. The Milagro project has since ended and the photomultiplier tubes removed have been removed. A description of AOC 57-004(b) has not been included in any documents formerly submitted to NMED-HWB. | Asbestos | 2nd Quarter CY 2012 | NA |

UPDATED - Demolition Reporting
 2nd Quarter Calendar Year 2012
 (April 1, 2012 - June 30, 2012)

| 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 |
|---|-------------------|---------------------------|--------------------------------|--|----------|---|---|
| 57-0049 | Trailer | Trailer | 1962-2011 | None | None | 2nd Quarter CY 2012 | NA |
| 57-0074 | Office Trailer | Office Trailer | 1987-2010 | AOC 57-004(b) is a 5-million-gal., plastic-lined settling pond located southwest of the main TA-57 operating area. The pond was constructed in 1982 and formerly contained circulation fluids from geothermal wells. The pond has a synthetic membrane liner with an underdrain system below the liner. In 2002, the pond, which was regulated under the New Mexico Oil Conservation Division regulations underwent regulatory closure and was modified for use in the Milagro gamma-ray observatory project, which did not require a permit. The pond was cleaned out, instrumented with over 700 photomultiplier tubes, refilled with purified water, and covered with a light-proof cover consisting of a synthetic membrane. The Milagro project has since ended and the photomultiplier tubes removed have been removed. A description of AOC 57-004(b) has not been included in any documents formerly submitted to NMED-HWB. | None | 2nd Quarter CY 2012 | NA |
| 57-0077 | Steel Light Frame | Pump House | 1995-2010 | AOC 57-004(b) is a 5-million-gal., plastic-lined settling pond located southwest of the main TA-57 operating area. The pond was constructed in 1982 and formerly contained circulation fluids from geothermal wells. The pond has a synthetic membrane liner with an underdrain system below the liner. In 2002, the pond, which was regulated under the New Mexico Oil Conservation Division regulations underwent regulatory closure and was modified for use in the Milagro gamma-ray observatory project, which did not require a permit. The pond was cleaned out, instrumented with over 700 photomultiplier tubes, refilled with purified water, and covered with a light-proof cover consisting of a synthetic membrane. The Milagro project has since ended and the photomultiplier tubes removed have been removed. A description of AOC 57-004(b) has not been included in any documents formerly submitted to NMED-HWB. | None | 2nd Quarter CY 2012 | NA |
| 57-0084 | Slab | Slab | 2001-2010 | None | None | 2nd Quarter CY 2012 | NA |

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 2nd Quarter Calendar Year 2012
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| 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 |
|---|-------------------|---------------------------|--------------------------------|--|----------|---|---|
| 57-0085 | Slab | Slab | 2001-2010 | AOC 57-004(b) is a 5-million-gal., plastic-lined settling pond located southwest of the main TA-57 operating area. The pond was constructed in 1982 and formerly contained circulation fluids from geothermal wells. The pond has a synthetic membrane liner with an underdrain system below the liner. In 2002, the pond, which was regulated under the New Mexico Oil Conservation Division regulations underwent regulatory closure and was modified for use in the Milagro gamma-ray observatory project, which did not require a permit. The pond was cleaned out, instrumented with over 700 photomultiplier tubes, refilled with purified water, and covered with a light-proof cover consisting of a synthetic membrane. The Milagro project has since ended and the photomultiplier tubes removed have been removed. A description of AOC 57-004(b) has not been included in any documents formerly submitted to NMED-HWB. | None | 2nd Quarter CY 2012 | NA |
| 57-0115 | Server Trailer | Server Trailer | 1995-2010 | None | None | 2nd Quarter CY 2012 | NA |
| 57-0118 | Slab | Slab | 1996-2010 | AOC 57-004(b) is a 5-million-gal., plastic-lined settling pond located southwest of the main TA-57 operating area. The pond was constructed in 1982 and formerly contained circulation fluids from geothermal wells. The pond has a synthetic membrane liner with an underdrain system below the liner. In 2002, the pond, which was regulated under the New Mexico Oil Conservation Division regulations underwent regulatory closure and was modified for use in the Milagro gamma-ray observatory project, which did not require a permit. The pond was cleaned out, instrumented with over 700 photomultiplier tubes, refilled with purified water, and covered with a light-proof cover consisting of a synthetic membrane. The Milagro project has since ended and the photomultiplier tubes removed have been removed. A description of AOC 57-004(b) has not been included in any documents formerly submitted to NMED-HWB. | None | 2nd Quarter CY 2012 | NA |
| 57-0121 | Slab | Slab | 2001-2010 | None | None | 2nd Quarter CY 2012 | NA |
| 57-0122 | Slab | Slab | 2001-2010 | None | None | 2nd Quarter CY 2012 | NA |
| 57-0123 | Slab | Slab | 2001-2010 | None | None | 2nd Quarter CY 2012 | NA |

ENCLOSURE 2

2nd Quarter Calendar Year 2012 Demolition Notification – Building Hazardous Material Descriptions

ENV-RCRA-12-0088

LAUR: 12-20498

Date: **MAY 10 2012**

ENCLOSURE 2- Attachment for 2nd Quarter Calendar Year 2012 Demolition Notification – Building Hazardous Material Descriptions

| TA and Building Number | Hazardous Material that may be present | Description of Process that may result in the presence of hazardous materials |
|-------------------------------|---|--|
| 03-0058 | Asbestos | Transite siding and Thermal Systems Insulation |
| 03-0285 | Asbestos | Transite siding and Thermal Systems Insulation |
| 03-0187 | Asbestos | Transite siding and Thermal Systems Insulation |
| 35-0033 | Asbestos | Transite siding and Thermal Systems Insulation |
| 18-0037 | Asbestos | VAT Flooring |
| 18-0127 | Asbestos, RCRA metals, VOCs | Former SAA in high bay area of building, Former lead storage area in basement |
| 18-0227 | RCRA metals, VOCs, SVOCs, TPH, PCBs | Former SAA in this building |
| 18-0270 | Lead | Potential for leaded paint and glass |
| 18-0187 | Lead | Potential for leaded paint and glass |
| 18-0188 | Lead | Potential for leaded paint and glass |
| 18-0190 | TPH, PCBs | Hydraulic fluid leaks |
| 18-0129 | TPH, PCBs, VOCs, RCRA Metals | Prior lead storage, Former SAA, Oil staining in equipment room |
| 18-0141 | VOCs, SVOCs, PCBs, Be, Asbestos , RCRA Metals | Cleaning processes, Prior Pb and Be Storage |
| 03-0097 | Asbestos | Roofing, Flooring |
| 03-1664 | TPH, PCBs | Possible oil staining |
| 03-0462 | Asbestos | Floor Tile, Roofing Products |
| 03-1530 | Asbestos | Floor Tile |
| 03-1549 | Asbestos | Floor Tile, Roofing Products |
| 03-1550 | Asbestos | Floor Tile, Roofing Products |

ENCLOSURE 2- Attachment for 2nd Quarter Calendar Year 2012 Demolition Notification – Building Hazardous Material Descriptions

| TA and Building Number | Hazardous Material that may be present | Description of Process that may result in the presence of hazardous materials |
|------------------------|--|---|
| 03-1789 | Asbestos | Floor Tile/Linoleum |
| 03-2018 | Asbestos | Floor Tile/Linoleum |
| 43-0024 | Asbestos | Floor Tile, Roofing Products |
| 35-0046 | Asbestos, Tritium | Floor Tile, Roofing Products, Thermal Systems Insulation, Tritium Air Emissions |
| 35-0224 | Asbestos, Tritium | Floor Tile, Roofing Products, Tritium Air Emissions |
| 35-0226 | Asbestos, Tritium | Floor Tile, Roofing Products, Tritium Air Emissions |
| 35-0227 | Asbestos, Tritium | Floor Tile, Roofing Products, Tritium Air Emissions |
| 57-0041 | Asbestos | Gaskets, Roofing Products |
| 43-0045 | Asbestos | Floor Tile, Roofing Products |

ACM= Asbestos Containing Material
 PACM= Presumes Asbestos Containing Material
 VOC= Volatile Organic Carbon
 SVOC= Semi-Volatile Organic Carbon
 TPH= Total Petroleum Hydrocarbon
 RCRA= Resource Conservation and Recovery Act
 PCB=Polychlorinated Biphenyls



COPY



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MAY 10 2012

Date:
Refer To: ENV-RCRA-12-0088
LAUR: 12-20498

Mr. John E. Kieling
Acting Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6313



**SUBJECT: UPDATED ENCLOSURES FOR BUILDINGS OR FIXED STRUCTURES
SCHEDULED TO BE DEMOLISHED 2ND QUARTER CALENDAR YEAR 2012**

Dear Mr. Kieling:

The purpose of this letter is to submit an updated list of buildings or fixed structures scheduled to be demolished during the 2nd Quarter, Calendar Year 2012 (April 1, 2012 through June 30, 2012) along with additional information requested by the New Mexico Environment Department – Hazardous Waste Bureau (NMED-HWB) in a teleconference call on April 11, 2012. The Permittees are providing this information in accordance with an agreement reached during a teleconference call on November 16, 2011 between the NMED-HWB, the Department of Energy (DOE) and Los Alamos National Security (LANS) representatives. It was agreed that on or before the last day of each quarter, DOE/LANS would provide a report to the NMED-HWB that would list the structures anticipated to be demolished the following quarter.

The additional information requested by the NMED-HWB, along with the updated list of buildings or structures, includes previous notification reporting on the following structures:

| Structure | Correspondence | Letter Number and Date |
|-----------|-----------------------------|-------------------------------------|
| 03-0058 | 1 st Qtr CY 2012 | ENV-RCRA -11-0272 December 12, 2012 |
| 03-0097 | 1 st Qtr CY 2012 | ENV-RCRA -11-0272 December 12, 2012 |
| 03-0187 | 1 st Qtr CY 2012 | ENV-RCRA -11-0272 December 12, 2012 |