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NATIONAL LABORATORY
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Water Quality & RCRA Group (ENV-RCRA)
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National Nuclear Security Administration
Los Alamos Site Office, A316
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Los Alamos, New Mexico 87545
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Date: MAR 2 8 2012
Refer To: ENV-RCRA-12-0070
LAUR: 12-20101

RECEIVED
MAR 2012
NMED Hazardous Waste Bureau

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

Dear Mr. Kieling:

SUBJECT: BUILDINGS OR FIXED STRUCTURES SCHEDULED TO BE DEMOLISHED 2nd QUARTER CALENDAR YEAR 2012

The purpose of this letter is to submit a list of buildings or fixed structures scheduled to be demolished during the 2nd Quarter, Calendar Year 2012 (April 1, 2012 through June 30, 2012). The Permittees are providing this information in accordance with an agreement reached during a teleconference call on November 16, 2011 between the New Mexico Environment Department- Hazardous Waste Bureau (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 attached tables "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.

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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) 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 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)
ENV-RCRA File, w/enc., M704
IRM-RMMSO, w/enc., A150, (E-File, locatesteam@lanl.gov)

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
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 *Investigation Report for Upper Sandia Canyon Aggregate Area* (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 Investigation Report for Upper Sandia Canyon Aggregate Area (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 *Investigation Report for Upper Sandia Canyon Aggregate Area* (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 *Investigation Report for Upper Sandia Canyon Aggregate Area* (LA-UR-10-3256), which was submitted to NMED-HWB in May 2010 by letter.	Asbestos	2nd Quarter CY 2012	NA

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
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

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
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

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
18-0141	Reinf. Masonry Structure	Ultra-Sonic Cleaning Building	1966-2009	**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.	VOCs, SVOCs, PCBs, Be, Asbestos , RCRA Metals	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
18-0187	Premanufactured Metal Tower	Guard Station	1986-2010	**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 upcanyon 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 *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.	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

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
03-1550	Asbestos	Roofing Products
35-0046	Asbestos, Tritium (minimal)	Floor Tile, Roofing Products, Thermal Systems Insulation, Tritium Air Emissions
35-0224	Asbestos, Tritium (minimal)	Floor Tile, Roofing Products, Tritium Air Emissions
35-0226	Asbestos, Tritium (minimal)	Floor Tile, Roofing Products, Tritium Air Emissions
35-0227	Asbestos, Tritium (minimal)	Floor Tile, Roofing Products, Tritium Air Emissions
57-0041	Asbestos	Gaskets, 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