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Date: September 14, 2011
Refer To: ENV-RCRA-11-0189
LAUR: 11-05066

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



Dear Mr. Kieling:

**SUBJECT: BUILDINGS OR FIXED STRUCTURES SCHEDULED TO BE DEMOLISHED
4th QUARTER CALENDAR YEAR 2011**

The purpose of this letter is to submit a list of buildings or fixed structures scheduled to be demolished during 4th Quarter Calendar Year 2011 (October 1, 2011 through December 31, 2011). This information is required under Permit Section 1.17.2.

The attached tables "Demolition Reporting 4th Quarter Calendar Year 2011" and "Attachment for 4th Quarter Calendar Year 2011 Demolition Notification-Building Hazardous Material Descriptions" describes 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.



If you have questions or comments concerning this submittal, please contact Gene Turner (LASO) (505) 667-5794 or Mark Haagenstad (LANS, LLC) 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
Los Alamos Site Office
National Nuclear Security Administration

ARG:GET/lm

Enclosures: a/s

Cy: Gene Turner, LASO-EO, w/enc., A316
Carl A. Beard, PADOPS, w/o enc., A102
J. Chris Cantwell, ADESHQ, w/o enc., K491
Mark Haagenstad, ENV-RCRA, w/o enc., K404, (E-File)
Catherine Juarez, ENV-RCRA, w/enc., K404, (E-File)
Marjorie Stockton, ENV-ES, w/enc., K760
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Connie Gerth, ENV-ES, w/enc., C919
Randy Johnson, ENV-ES, w/enc., E500
Alison Dorries, WES-DO, w/o enc., K491
Jim Jones, SP-DO, w/enc., J590
Ken Schlindwein, IP-DO, w/enc., M895
Janet Harry, IP-SDFD, w/enc., M895
Darrik Stafford, SP-DISP, w/enc., J590
Ian Albright, PMF-FUNCT, w/enc., J590
ENV-RCRA File, w/enc., K490
IRM-RMMSO, w/enc., A150

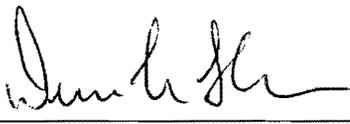
ENCLOSURE

ENV-RCRA-11-0189

LAUR-11-05066

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

 for

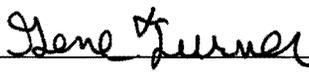
James C. Cantwell

Dennis L. Hjeresen

Associate Director
Associate Directorate Environment, Safety, Health, & Quality
Los Alamos National Laboratory
Operator

9/13/11

Date Signed

 for

Kevin W. Smith

Manager, Los Alamos Site Office
National Nuclear Security Administration
U.S. Department of Energy
Owner/Operator

9/26/11

Date Signed

LA-UR-11-05066

Approved for public release;
distribution is unlimited.

Title: Demolition Notification for 4th Quarter Calendar Year 2011

Author(s): Catherine L. Juarez

Intended for: New Mexico Environment Department-Hazardous Waste
Bureau



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Demolition Reporting
4th Quarter Calendar Year 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
03-0058	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 [SWMU 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 these is ongoing. Figures depicting these SWMUs and the sources of the information above, can be found in <i>Investigation Report for Upper Sandia Canyon Aggregate Area, Revision 1</i> (LA-UR-10-6410), which was submitted to NMED-HWB in October 2010 by letter.	Asbestos	4th Quarter 2011	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 [SWMU 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 these is ongoing. Figures depicting these SWMUs and the sources of the information above, can be found in <i>Investigation Report for Upper Sandia Canyon Aggregate Area, Revision 1</i> (LA-UR-10-6410), which was submitted to NMED-HWB in October 2010 by letter.	Asbestos	4th Quarter 2011	NA
09-0272	Transportable-Wood Lt. Frame	Offices	1988-2011	None	None	4th Quarter 2011	NA
09-0273	Transportable-Wood Lt. Frame	Offices	1984-2010	None	None	4th Quarter 2011	NA

Demolition Reporting
4th Quarter Calendar Year 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
15-0456	Transportable-Wood Lt. Frame	Offices	1984-2011	<p>SWMU 15-009(k) is a septic tank (structure 15-423) located approximately 250 ft north of a radiographic support laboratory (Building 15-313). This septic tank has a capacity of 1000 gal. and is constructed of reinforced concrete. SWMU 15-009(k) received sanitary waste from Building 15-313 and is no longer active. SWMU 15-014(a) is a former NPDES-permitted outfall that is used for discharges from various drains in Building 15-183. This outfall became operational in 1961. Originally, waste discharged to this outfall included photographic waste. The drain associated with this outfall was replaced in 1987 with a new drain installed at the same location. The drainline to the outfall and the outfall discharge point were plugged in 1997 and the outfall was removed from the NPDES permit January 14, 1998. SWMU 15-014(b) consisted of two separate outfalls from drains in Building 15-183. Drains discharging to these outfalls included 13 floor drains, five sinks, and a water fountain. In 1992, the drains from the buildings were connected to the SWSC, and thus there is no longer flow into the outfalls. In the addition the area was disturbed during construction. Figures depicting these SWMUs and the sources of the information above, can be found in <i>Investigation Work Plan for Cañon de Valle Aggregate Area (LA-UR-06-4960)</i>, that was submitted to the NMED-HWB in September 2006 by letter. Planned D&D activities for building 15-0456 will not impact these SWMUs and the sites will be investigated during the Cañon de Valle Aggregate Area investigation.</p>	None	4th Quarter 2011	NA
18-0028	Steel Braced Frame	Warehouse-Programmatic General Storage	1948-2007	<p>SWMU 18-003(g) is an inactive septic system consisting of an inlet line, a septic tank (structure 18-43), a discharge line, and a drain field. The reinforced concrete septic tank is located approximately 25 ft southwest of building 18-1 and 10 ft northeast of building 18-147. Installed in 1944, the tank is 3 ft wide x 5 ft long x 5 ft deep and has an estimated capacity of 500 gal. Between 1944 and 1969, the septic system received sanitary and photochemical laboratory waste from building 18-1 and discharged to a drain field southeast of septic tank 18-43. In 1969, SWMU 18 003(g) was connected to the site sewer system that routed effluent to the sanitary sewage lagoons that were previously located east of TA-18. When the TA-46 SWSC plant came online in 1992, discharges to the lagoons ceased and the septic tank contents were routinely pumped and trucked to the SWSC plant. Most of building 18-1 was demolished in 1968, leaving only a high bay, which was used as an electronic assembly and storage area until decommissioning of the building in 2009. SWMU 18-003(h) is an inactive septic system consisting of an inlet line, a septic tank (structure 18-152), and a discharge line. The septic tank is located approximately 5 ft southeast of building 18-147. Installed in 1944, the steel tank measures 4.3 ft in diameter x 5 ft deep and has a capacity of 500 gal. Between 1967 and 1992, the septic system received sanitary waste from building 18 147 and discharged to the sanitary sewer system that routed effluent to the sanitary sewage lagoons east of TA-18. When the TA-46 SWSC plant came online in 1992, discharges to the lagoons ceased and the septic tank contents were routinely pumped and trucked to the SWSC plant. Building 18-147 was decommissioned in 2009. Figures depicting these SWMUs and the sources of the information above, can be found in <i>Investigation Work Plan for Lower Pajarito Canyon Aggregate Area, Revision 1 (LA-UR-10-7635)</i>, that was submitted to the NMED-HWB in November 2010 by letter. Planned D&D activities for building 18-0028 will not impact these SWMUs and the sites will be investigated during the Lower Pajarito Canyon Aggregate Area investigation.</p>	Asbestos	4th Quarter 2011	NA

Demolition Reporting
4th Quarter Calendar Year 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
18-0030	Concrete Shear Walls	Main Bldg-Office	1953-2009	<p>SWMU 18-001(c) consists of a sump, equipped with two sump pumps and a drain, located in the basement of building 18-30. Building 18-30 is an administrative building that housed control systems for remote nuclear criticality research. The sump, which was placed into service in 1969, served primarily to collect groundwater from drains outside the basement walls; however, some sinks and floor drains from offices and machine shops within building 18-30 formerly drained to the sump. The drains were diverted to the TA-18 sanitary sewer line in the fall of 1992. By the summer of 1994, all of the drains associated with building 18-30 were diverted into the sanitary sewer line. Discharge from the sump was combined with other discharges from buildings 18-30 and 18-31 and was released through an outfall [SWMU 18-012(b)] south of building 18-30. The outfall is within approximately 20 ft of the main drainage channel in Pajarito Canyon. SWMU 18-003(f) is an inactive septic system that includes an inlet line, a septic tank (structure 18-41), a discharge line, and a drain field. The septic system received sanitary waste and photochemical laboratory waste from building 18-30 from 1951 to 1969. In 1969, building 18-30 was connected to the sanitary sewage lagoons and the septic tank was filled with sand. The septic tank, located 25 ft west of building 18-30, is constructed of reinforced concrete and has a 1000-gal. capacity. The tank drained west to the distribution box and drain field. The drain field is located beneath asphalt pavement and the grassy area west of building 18-30. Historical documents indicate that a manhole, a settling pit with associated drainlines, and an outfall may have been associated with SWMU 18-003(f), but they were not located during the 1993 RFI investigation. SWMU 18-004(a) consists of a 3-in.-diameter x approximately 50-ft-long stainless-steel industrial waste line located belowground on the west side of building 18-30. The waste line was connected to sinks that served the west side of building 18-30 and discharged into two associated stainless-steel tanks [SWMU 18-004(b)]. The waste line was designed to receive radioactively contaminated liquid waste from building 18-30 (LANL 1993, 015310, p. 5-13). The 1990 SWMU report states that the waste line received radioactively contaminated liquid waste from building 18-30. During interviews conducted for the RFI work plan, former personnel from building 18-30 indicated that sealed radioactive sources, detectors, and reactor-fuel elements were the only radioactive materials present in building 18-30, and no radioactive liquids were ever present. The interviews also indicated that while no radioactive waste entered the waste line, some chemical wastes (primarily acids and cleaning solvents) did. The waste line and associated tanks were in service from the 1950s to 1977 when they were decommissioned. At that time the inlet end of the waste line was capped and remains inactive. Because no information regarding the removal of the waste line was found, it is assumed that the line remains buried in place. SWMU 18-004(b) consists consists of an area of potential soil contamination associated with a subsurface concrete containment pit (structure 18-38) that measures 4 ft wide x 9 ft long x 8 ft high and is located at TA-18 on the west side of building 18-30. The pit contained two stainless-steel</p>	Asbestos	4th Quarter 2011	NA

Demolition Reporting
4th Quarter Calendar Year 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
18-0031	Concrete Shear Walls	Utility Bldg- Other Service Buildings	1953-2011	<p>SWMU 18-001(c) consists of a sump, equipped with two sump pumps and a drain, located at TA 18 in the basement of building 18-30. Building 18-30 is an administrative building that housed control systems for remote nuclear criticality research. The sump, which was placed into service in 1969, served primarily to collect groundwater from drains outside the basement walls; however, some sinks and floor drains from offices and machine shops within building 18-30 formerly drained to the sump. The drains were diverted to the TA-18 sanitary sewer line in the fall of 1992. By the summer of 1994, all of the drains associated with building 18-30 were diverted into the sanitary sewer line. No specific data are available on discharges to the sump. Discharge from the sump was combined with other discharges from buildings 18-30 and 18-31 and was released through an outfall [SWMU 18-012(b)] south of building 18-30. The outfall is within approximately 20 ft of the main drainage channel in Pajarito Canyon. Currently, the outfall only receives storm water from building 18-31. Figures depicting this SWMU and the sources of the information above, can be found in <i>Investigation Work Plan for Lower Pajarito Canyon Aggregate Area, Revision 1</i> (LA-UR-10-7634), which was submitted to NMED-HWB on November 19, 2010 by letter. This site will be investigated during the Lower Pajarito Canyon Aggregate Area investigation.</p>	Asbestos	4th Quarter 2011	
18-0147	CMU Office Building	Offices	1968-2007	<p>SWMU 18-003(g) is an inactive septic system consisting of an inlet line, a septic tank (structure 18-43), a discharge line, and a drain field. The reinforced concrete septic tank is located approximately 25 ft southwest of building 18-1 and 10 ft northeast of building 18-147. Installed in 1944, the tank is 3 ft wide x 5 ft long x 5 ft deep and has an estimated capacity of 500 gal. Between 1944 and 1969, the septic system received sanitary and photochemical laboratory waste from building 18-1 and discharged to a drain field southeast of septic tank 18-43. In 1969, SWMU 18 003(g) was connected to the site sewer system that routed effluent to the sanitary sewage lagoons that were previously located east of TA-18. When the TA-46 SWSC plant came online in 1992, discharges to the lagoons ceased and the septic tank contents were routinely pumped and trucked to the SWSC plant. Most of building 18-1 was demolished in 1968, leaving only a high bay, which was used as an electronic assembly and storage area until decommissioning of the building in 2009. SWMU 18-003(h) is an inactive septic system consisting of an inlet line, a septic tank (structure 18-152), and a discharge line. The septic tank is located approximately 5 ft southeast of building 18-147. Installed in 1944, the steel tank measures 4.3 ft in diameter x 5 ft deep and has a capacity of 500 gal. Between 1967 and 1992, the septic system received sanitary waste from building 18-147 and discharged to the sanitary sewer system that routed effluent to the sanitary sewage lagoons east of TA-18. When the TA-46 SWSC plant came online in 1992, discharges to the lagoons ceased and the septic tank contents were routinely pumped and trucked to the SWSC plant. Building 18-147 was decommissioned in 2009 and the drainlines to the septic tank were plugged. Figures depicting these SWMUs and the sources of the information above, can be found in <i>Investigation Work Plan for Lower Pajarito Canyon Aggregate Area, Revision 1</i> (LA-UR 10-7634), which was submitted to NMED-HWB on November 19, 2010. SWMUs 18-003(g & h) will not be impacted during D&D and will be investigated during the Lower Pajarito Canyon Aggregate Area investigation.</p>	Asbestos	4th Quarter 2011	

Demolition Reporting
4th Quarter Calendar Year 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
18-0189	Cast Concrete	Communications/ Control Center	1986-2007	SWMU 18-003(e) is an inactive septic system that includes two inlet lines, a cylindrical septic tank (structure 18-40), an outlet line, a drain field, and a former outfall. The septic tank is located approximately 50 ft southwest of building 18-37 and approximately 50 ft east of building 18-29 (a log cabin). The tank is constructed of reinforced concrete and measures 6 ft in diameter x 6 ft deep. The septic system received sanitary waste from building 18-31 (a utility building), building 18-37 (Guard Station 205), building 18-129 (a reactor subassembly building), building 18 189, and building 18 190. While in operation from 1951 to 1969, the septic system may have also received industrial waste from a sink in building 18-28 (a warehouse). Septic tanks associated with SWMUs 18-003(g, h) (structure 18-43 and structure 18-152, respectively) may have discharged to this septic system. Effluent discharged into a drain field that has four drainlines, each of which is approximately 40 ft long. The drainlines, which are 10 ft apart from each other, merge at the distal end of the drain field and continue an estimated 100 ft to the former outfall. In 1969, sanitary waste from the buildings was connected to the site sewer system that routed effluent to the sanitary sewage lagoons. At that time, the septic tank was backfilled with sand. Figures depicting this SWMU and the sources of the information above, can be found in <i>Investigation Work Plan for Lower Pajarito Canyon Aggregate Area, Revision 1</i> (LA-UR 10-7634), which was submitted to NMED-HWB on November 19, 2010. This SWMU will not be impacted by planned D&D activities and will be investigated during the Lower Pajarito Canyon Aggregate Area investigation.	None	4th Quarter 2011	NA
22-0001 (partial)	Metal and wood framed	Shower Rooms	1948-1984	SWMU 22-012 is a concrete pad that was used for washing explosive-contaminated equipment with water. SWMU 22-015(e) is an inactive explosives sump that collected water through interconnected drainlines from a wash pad and sink drain in Room 108 of Building 22-0001. The sump was filled with concrete in 1984 after the building was no longer in use. Figures depicting these SWMUs and the sources of the information above can be found in <i>Investigation Work Plan for Starmer/Upper Pajarito Canyon Aggregate Area, Revision 1</i> (LA-UR-11-1821), that was submitted to the NMED-HWB by letter in March 2011. This SWMU will not be impacted by planned D&D activities at building 22-0001 and will be investigated during the Starmer/Upper Pajarito Canyon Aggregate Area investigation.	Asbestos	4th Quarter 2011	NA
35-0224	Trailer- Wood Lt. Frame	Offices	1969-2008	SWMU 35-014(a) is an area of potential soil contamination associated with stack emissions from a former air filter building (former Building 35-7). This site was investigated and addressed during the Middle Mortandad Investigation. Figures depicting the SWMU and the sources of the information above can be found in <i>Investigation Report for the Middle Mortandad/Ten Site Aggregate, Revision 1</i> (LA-UR-07-4716) that was submitted to the NMED-HWB by letter in July 2007. NMED issued a Certificate of Completion Without Controls for SWMU 35-014(a) on June 30, 2011.	Asbestos, Tritium	4th Quarter 2011	NA
35-0226	Trailer- Wood Lt. Frame	Offices	1963-2008	SWMU 35-014(a) is an area of potential soil contamination associated with stack emissions from a former air filter building (former Building 35-7). This site was investigated and addressed as part of the Middle Mortandad Investigation. Figures depicting the SWMU and the sources of the information above can be found in <i>Investigation Report for the Middle Mortandad/Ten Site Aggregate, Revision 1</i> (LA-UR-07-4716) that was submitted to the NMED-HWB by letter in July 2007. NMED issued a Certificate of Completion Without Controls for SWMU 35-014(a) on June 30, 2011.	Asbestos, Tritium	4th Quarter 2011	NA

Demolition Reporting
4th Quarter Calendar Year 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
35-0227	Trailer- Wood Lt. Frame	Offices	1966-2008	SWMU 35-014(a) is an area of potential soil contamination associated with stack emissions from a former air filter building (former Building 35-7). This site was investigated and addressed during the Middle Mortandad Investigation. Figures depicting the SWMU and the sources of the information above can be found in <i>Investigation Report for the Middle Mortandad/Ten Site Aggregate, Revision 1 (LA-UR-07-4716)</i> that was submitted to the NMED-HWB by letter in July 2007. NMED issued a Certificate of Completion Without Controls for SWMU 35-014(a) on June 30, 2011.	Asbestos, Tritium	4th Quarter 2011	NA
46-0181	Trailer- Wood Lt. Frame	Offices	1979-2011	None	N/A	4th Quarter 2011	NA
46-0421	Premanufactured Metal Enclosure	Radio Isolation Enclosure	1993-2011	None	N/A	4th Quarter 2011	NA
46-0546	Trailer	Offices	1984-2010	None	Asbestos	4th Quarter 2011	NA

Attachment for 4th Quarter Calendar Year 2011 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	Asbestos – transite siding
03-0285	Asbestos	Asbestos – transite siding
18-0028	Asbestos	Asbestos- floor covering material
18-0030	Asbestos	Asbestos- floor covering material and transite siding
18-0031	Asbestos	Asbestos – transite siding
18-0147	Asbestos	Asbestos – roofing and flooring material
22-0001 (partial)	Asbestos	Asbestos – transite siding PACM- roofing mastics and flashing
35-0224	Asbestos, Tritium	ACM- flooring Tritium- trace amounts of tritium contamination slightly above background levels in roofing materials, Structures will be disposed of as low level waste.
35-0226	Asbestos, Tritium	ACM- flooring Tritium- trace amounts of tritium contamination slightly above background levels in roofing materials, Structures will be disposed of as low level waste.
35-0227	Asbestos, Tritium	ACM- flooring Tritium- trace amounts of tritium contamination slightly above background levels in roofing materials, Structures will be disposed of as low level waste.
46-0546	Asbestos	ACM – roofing mastics, flashings and flooring

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