

TA03



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Date: March 29, 2011
Refer To: ENV-RCRA-11-0058
LAUR: 11-01562

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



Dear Mr. Bearzi:

SUBJECT: NOTIFICATION OF ADDITIONAL DEMOLITION ACTIVITIES FOR SECOND QUARTER 2011 (LA-UR 11-01562)

The purpose of this letter is to submit notification of demolition activities for the second quarter of 2011 pursuant to Los Alamos National Laboratory's (LANL) Hazardous Waste Facility Permit.

LANL's Hazardous Waste Facility Permit became effective December 30, 2010 and Section 1.17.1 of the Permit sets forth the requirements for notification of demolition activities. The attached spreadsheet contains the pertinent information required by Permit Section 1.17.1.

If you have questions or comments concerning this submittal, please contact Mark Haagenstad of my staff at (505) 665-2014.

Sincerely,

 DGL

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

ARG:CJ/lm

Attachment: a/s



Cy: George Rael, LASO-EO, w/att., A906
Gene Turner, LASO-EO, w/att., A316
Michael B. Mallory, PADOPS, w/o att., A102
Jay Johnson, ADPMSS, w/att., M984
J. Chris Cantwell, ADESHQ, w/o att., K491
Alison Dorries, WES-DO, w/att., K491
Duane Parsons, PMFS-DO, w/att., C349
Jim Jones, SP-DO, w/att., J590
Mark Haagenstad, ENV-RCRA, w/att., K490 (E-File)
Catherine Juarez, ENV-RCRA, w/att., K490 (E-File)
Bob Beers, ENV-RCRA, w/att., K490
Marc Bailey, ENV-RCRA, w/att., K490
Connie Gerth, ENV-ES, w/att., C919
John Tymkowych, ENV-ES, w/att., C925
Mark Thacker, PMFS-DO, w/att., C349
Darrik Stafford, SP-DISP, w/att., J590
Ian Albright, PMF-FUNCT, w/att., J590
Allan Chaloupka, TA21, w/att., C348
Kevin Finn, TA21, w/att., C349
ENV-RCRA File, w/att., K490
IRM-RMMSO, w/att., A150

**LOS ALAMOS NATIONAL LABORATORY
BUILDINGS TO BE DEMOLISHED DURING SECOND QUARTER 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
18-0028	Metal Building			<p>SWMU 18-003(g) is an inactive septic system at TA-18 that includes an inlet line, a septic tank (structure 18-43), and a discharge line. The reinforced concrete septic tank is located approximately 50 ft north of building 18-28. The tank is 3 ft wide × 5 ft long × 5 ft deep, and its estimated capacity is 500 gal. From 1944 to the present, the septic system has been receiving sanitary and photochemical laboratory waste from building 18-1. Most of building 18-1 was demolished in 1968, leaving only a high bay, which is currently used as an electronic assembly and storage area. In 1969, SWMU 18-003(g) was connected to the site sewer system that routed effluent to the sanitary sewage lagoons, which changed the function of the tank to a settling pit. Since 1992, the septic system waste has been pumped to the SWSC plant at TA-46. SWMU 18-003(h) is an active septic system at TA-18 that includes an inlet line, a septic tank (structure 18-152), and a discharge line. The septic tank is located approximately 10 ft north of building 18-28. This steel tank measures 4.3 ft in diameter × 5 ft deep and has a capacity of 500 gal. From 1967 to the present, the septic system has been receiving sanitary waste from building 18-147. In 1969, SWMU 18-003(h) was connected to the site sewer system that routed effluent to the sanitary sewage lagoons, changing the function of the tank to a settling pit. Since 1992, the septic system waste has been pumped to the SWSC plant at TA-46. SWMUs 18-003(g & h) will not be impacted during D&D and will be investigated as part of a near future investigation.</p>	None	2nd Quarter	NA
18-0030	Cast Concrete			<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 was 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 in building 18-30 formerly drained 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. In the fall of 1992, the drains associated with the sump were diverted from the sump and connected to the TA-18 sanitary sewer line and subsequently to SWSC. The sump was not connected to the sanitary sewer system. SWMU 18-003(f) is an inactive septic system at TA-18 that includes an inlet line, a septic tank (structure 18-41), a discharge line, and a drain field. The septic system received sanitary and photochemical laboratory effluent 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. SWMU 18-004(a) consists of a 3-in.-diameter × approximately 50-ft-long stainless-steel industrial waste line located at TA-18 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 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. SWMU 18-004(b) consists of an area of potential soil contamination associated with a subsurface concrete containment pit (structure 18-38) that measures 4 ft wide × 9 ft long × 8 ft high and is located at TA-18 on the west side of building 18-30 (Figure 2.13-1). The pit contained two stainless-steel tanks designed to receive radioactively contaminated liquid waste from building 18-30 through an associated 3 in. stainless-steel industrial waste line [SWMU 18-004(a)]. The waste line was connected to sinks that served the west side of building 18-30. A 9-in.-diameter × 6-in.-high sump was built into the floor of the pit, possibly to catch any overflow from the tanks. Whenever the tanks became full, they were taken out for waste removal and cleaning and then returned to service. The tanks and associated waste line were in service from the 1950s to 1977 when they were decommissioned. The tanks were removed in 1977, the concrete bottom of the pit was left in place, the walls of the pit were razed, and the pit was backfilled to grade.</p>	None	2nd Quarter	NA

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				AOC 18-010(c) is an outfall at TA-18 that receives stormwater discharge in the form of sheet flow from the paved area east of building 18-30. The outfall discharges to a grassy depression southeast of building 18 30 and south of building 18-31. SWMU 18-012(b) is an outfall that received discharge from several sources in buildings 18-30 and 18 31. The outfall, active since the buildings were constructed in 1950, is located southeast of building 18-30. The outfall received discharge from an associated sump [SWMU 18-001(c)], floor drains, sinks, stormwater from the east wing roof of building 18-31, and a welding quench tank in building 18-30. The outfall also received discharge from machine shop floor drains and stormwater from the roof of building 18-31. Currently, the outfall only receives stormwater from building 18-31. These SWMUs and AOC will be investigated as part of a near future investigation.			
18-0031	Cast Concrete			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 was 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 in building 18-30 formerly drained 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. In the fall of 1992, the drains associated with the sump were diverted from the sump and connected to the TA-18 sanitary sewer line and subsequently to SWSC. The sump was not connected to the sanitary sewer system. AOC 18-010(c) is an outfall at TA-18 that receives stormwater discharge in the form of sheet flow from the paved area east of building 18-30. The outfall discharges to a grassy depression southeast of building 18 30 and south of building 18-31. SWMU 18-012(b) is an outfall that received discharge from several sources in buildings 18-30 and 18 31. The outfall, active since the buildings were constructed in 1950, is located southeast of building 18-30. The outfall received discharge from an associated sump [SWMU 18-001(c)], floor drains, sinks, stormwater from the east wing roof of building 18-31, and a welding quench tank in building 18-30. The outfall also received discharge from machine shop floor drains and stormwater from the roof of building 18-31. Currently, the outfall only receives stormwater from building 18-31. These SWMUs and AOC will be investigated as part of a near future investigation.	None	2nd Quarter	NA
18-0147	CMU Office Building			SWMU 18-003(g) is an inactive septic system at TA-18 that includes an inlet line, a septic tank (structure 18-43), and a discharge line. The reinforced concrete septic tank is located approximately 50 ft north of building 18-28. The tank is 3 ft wide × 5 ft long × 5 ft deep, and its estimated capacity is 500 gal. From 1944 to the present, the septic system has been receiving sanitary and photochemical laboratory waste from building 18-1. Most of building 18-1 was demolished in 1968, leaving only a high bay, which is currently used as an electronic assembly and storage area. In 1969, SWMU 18-003(g) was connected to the site sewer system that routed effluent to the sanitary sewage lagoons, which changed the function of the tank to a settling pit. Since 1992, the septic system waste has been pumped to the SWSC plant at TA-46. SWMU 18-003(h) is an active septic system at TA-18 that includes an inlet line, a septic tank (structure 18-152), and a discharge line. The septic tank is located approximately 10 ft north of building 18-28. This steel tank measures 4.3 ft in diameter × 5 ft deep and has a capacity of 500 gal. From 1967 to the present, the septic system has been receiving sanitary waste from building 18-147. In 1969, SWMU 18-003(h) was connected to the site sewer system that routed effluent to the sanitary sewage lagoons, changing the function of the tank to a settling pit. Since 1992, the septic system waste has been pumped to the SWSC plant at TA-46. SWMUs 18-003(g & h) will not be impacted during D&D and will be investigated as part of a near future investigation.	None	2nd Quarter	NA

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18-0189	Cast Concrete			SWMU 18-003(e) is an inactive septic system at TA-18 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 40 ft southeast of building 18-189. The tank is constructed of reinforced concrete and measures 6 ft in diameter x 6 ft high. The septic system received sanitary waste from building 18-31, building 18-37, and building 18-129. While in operation from 1951 to 1969, the septic system may have also received industrial waste from a sink in building 18-28. Septic tanks associated with SWMUs 18-003(g,h) (structures 18-43 and 18-152) may have discharged to this septic system. 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. This SWMU will not be impacted by D&D activities and will be investigated as part of a near future investigation.	None	2nd Quarter	NA
55-0162	Guard Tower			None.	None	2nd Quarter	NA
03-1524	Trailer			AOC 03-007 is a decommissioned firing site located southeast of the building 03-1524 and within the security fence at the Sigma Complex. This AOC includes a containment building for explosive experiments (03-0159) and a personnel safety barrier (structure 03-0160). The site was remediated in the late 1970s, and no explosive compounds were detected. In the mid-1980s, building 03-0159 was modified to serve as a storage building for thoria (oxide) and thorium (metal), which were containerized within the building. This AOC will not be impacted during D&D activities and has been investigated.	None	2nd Quarter	NA
03-1525	Trailer			AOC 03-007 is a decommissioned firing site located south of the building 03-1525 and within the security fence at the Sigma Complex. This AOC includes a containment building for explosive experiments (03-0159) and a personnel safety barrier (structure 03-0160). The site was remediated in the late 1970s, and no explosive compounds were detected. In the mid-1980s, building 03-0159 was modified to serve as a storage building for thoria (oxide) and thorium (metal), which were containerized within the building. This AOC will not be impacted during D&D activities and has been investigated.	None	2nd Quarter	NA
03-1540	Trailer			None.	None	2nd Quarter	NA
03-1541	Trailer			None.	None	2nd Quarter	NA
35-0224	Trailer			SWMU 35-014(a) is an area of soil contaminated by laboratory radionuclide stack emissions from a former air filter building (former Building 35-7). This site has been investigated and addressed as part of the Middle Mortandad Investigation.	None	2nd Quarter	NA
35-0226	Trailer			SWMU 35-014(a) is an area of soil contaminated by laboratory radionuclide stack emissions from a former air filter building (former Building 35-7). This site has been investigated and addressed as part of the Middle Mortandad Investigation.	None	2nd Quarter	NA
35-0227	Trailer			SWMU 35-014(a) is an area of soil contaminated by laboratory radionuclide stack emissions from a former air filter building (former Building 35-7). This site has been investigated and addressed as part of the Middle Mortandad Investigation.	None	2nd Quarter	NA
46-0342	Metal Building			None.	None	2nd Quarter	NA
46-0343	Shed			None.	None	2nd Quarter	NA
46-0546	Trailer			None.	None	2nd Quarter	NA
48-0056	Modular			None.	None	2nd Quarter	NA
48-0057	Modular			None.	None	2nd Quarter	NA
48-0203	Trailer			None.	None	2nd Quarter	NA
09-0272	Modular			None.	None	2nd Quarter	NA
09-0273	Modular			None.	None	2nd Quarter	NA
15-0456	Modular			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. This SWMU will not be impacted during D&D activities and will be investigated as part of a near future investigation.	None	2nd Quarter	NA

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53-29 (annex). Note: There is no specific structure number associated with this three sided structure.	3-sided metal shed, slab foundation	Historic and current usage have/will remain the same. This structure is part of the LANSCE accelerator in that it is a flight path associated with WNR experimental research. This small annex made up flight path 15(R).	1979 to present. Building 29 will remain a viable facility at TA-53. The small 3-sided metal shed that made up flight path 15(R) was built on the SE side of the building and this structure will be removed.	None.	None	2nd Quarter	NA