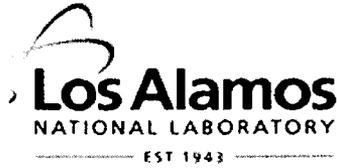
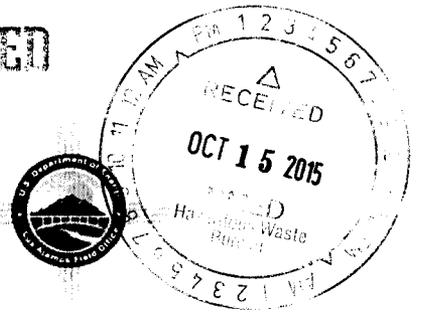


TA33



ENTERED



**Environmental Protection Division**  
Environmental Compliance Programs (ENV-CP)  
PO Box 1663, K490  
Los Alamos, New Mexico 87545  
505-667-0666

**National Nuclear Security Administration**  
Los Alamos Field Office, A316  
3747 West Jemez Road  
Los Alamos, New Mexico, 87545  
(505) 667-5794/FAX (505) 667-5948

Date: **OCT 08 2015**  
Symbol: ENV-DO-15-0267  
LA-UR: 15-27415  
Locates Action No.: NA

Ms. Michelle Hunter, Bureau Chief  
Ground Water Quality Bureau  
New Mexico Environment Department  
Harold Runnels Building, Room N2250  
1190 St. Francis Drive  
P.O. Box 26110  
Santa Fe, NM 87502

Dear Ms. Hunter:

**Subject: Request for Additional Information, Septic Tank/Leachfield Systems, Discharge Permit DP-1589**

On September 15, 2015, Mr. Gerald Knutson, New Mexico Environment Department (NMED) Ground Water Quality Bureau, conducted an inspection of all active septic tank/leachfield systems at Los Alamos National Laboratory (the Laboratory). Prior to entering the field, Mr. Knutson requested additional information from the U.S. Department of Energy and Los Alamos National Security, LLC (DOE/LANS) on the status of 10 inactive septic tank/leachfield systems at the Laboratory. Mr. Knutson identified 7 of the 10 septic tank/leachfield systems in question by providing DOE/LANS with a highlighted table (Enclosure 1). The remaining 3 septic tank/leachfield systems were identified verbally. Below is a list of the 10 septic tank/leachfield systems referenced above.

- |                             |                                       |
|-----------------------------|---------------------------------------|
| 1. TA-49-0118 (Enclosure 1) | 6. TA-40-0024 (Enclosure 1)           |
| 2. TA-52-0099 (Enclosure 1) | 7. TA-72-0018 (Enclosure 1)           |
| 3. TA-11-0043 (Enclosure 1) | 8. TA-15-0061 (verbal communication)  |
| 4. TA-15-0569 (Enclosure 1) | 9. TA-15-0284 (verbal communication)  |
| 5. TA-39-0089 (Enclosure 1) | 10. TA-18-0039 (verbal communication) |

Each of the septic tank/leachfield systems listed above is discussed in detail



1. **TA-49-0118.** Systems TA-49-0118 and TA-49-0119, listed in Enclosure 1, lines #6 and #7, have been switched; line #6 should read, TA-49-0119, and line #7, TA-49-0118. This correction has been made on Enclosure 1. TA-49-0119 is an active holding tank whereas TA-49-0118 is an active septic tank/leachfield system.
2. **TA-52-0099.** This is an inactive septic tank/leachfield system that previously received sanitary wastewater from transportables TA-52-0035 and TA-52-0036; both transportables were removed.
3. **TA-11-0043.** This is an inactive holding tank that was removed from service in 2013. The building discharging to this holding tank, TA-11-0004, was decommissioned and is no longer in service. NMED was informed of this action in October 2013 (ENV-DO-13-0182).
4. **TA-15-0569.** This septic tank/leachfield system was abandoned in October 2010. It previously received wastewater from the Dual Axis Radiographic Hydrodynamic Test (DARHT) Facility until it was connected to the TA-46 SWWS Plant. Abandonment was conducted in accordance with the requirements of 20.7.3.307 New Mexico Administrative Code (NMAC), *Standards; Abandoned Sewers, and On-Site Liquid Waste Systems*. Documentation of the above-referenced abandonment is provided in Enclosure 2.
5. **TA-39-0089.** This is an inactive seepage pit that received wastewater from two sinks in Building TA-39-0089 until April 2010 when the sinks were removed from service.
6. **TA-40-0024.** This septic tank/leachfield system was converted to a holding tank in 2004 and then abandoned in August 2012. Abandonment was conducted pursuant to the requirements of 20.7.3.307 NMAC. Documentation of abandonment was submitted to the NMED in October 2012 (ENV-RCRA-12-0229).
7. **TA-72-0018.** This is an active holding tank that is routinely pumped and the contents discharged to the TA-46 SWWS Plant.
8. **TA-15-0061.** This septic tank/leachfield system was rendered inactive in 2007 when the water supply to building TA-15-0045 was disconnected. Subsequently, in February 2010 the tank was excavated and removed as part of the investigation for the Tree Mile Aggregate Area.
9. **TA-15-0284.** This septic tank/leachfield system is inactive; the water supply to building TA-15-0233 has been disconnected.
10. **TA-18-0039.** Use of this septic tank/leachfield system was discontinued in 1996; water supply to building TA-18-0023 was cut-off in 2007. This is an inactive system.

The table below summarizes the information provided above.

Abandoned Systems	Active Septic Tank/Leachfield Systems	Active Holding Tanks	Inactive Systems
TA-15-0569	TA-49-0118	TA-49-0119	TA-52-0099
TA-40-0024		TA-72-0018	TA-11-0043
TA-15-0061			TA-39-0089
			TA-15-0284
			TA-18-0039

Ms. Michelle Hunter  
ENV-DO-15-0267

- 3 -

Please contact Robert S. Beers by telephone at (505) 667-7969 or by email at [bbeers@lanl.gov](mailto:bbeers@lanl.gov) if you have questions regarding this information.

Sincerely,



Alison M. Dorries  
Division Leader  
Environmental Protection Division  
Los Alamos National Security, LLC

Sincerely,



Gene E. Turner  
Environmental Permitting Manager  
National Security Missions  
Los Alamos Field Office  
U.S. Department of Energy

AMD:GET:MTS:RSB/lm

Enclosures:

1. Table of highlighted septic tank/leachfield systems submitted by NMED to DOE/LANS on September 15, 2015
2. Letter from Marcon Excavating, Inc. documenting the abandonment of the septic tank TA-15-0569 at the DARHT Facility

Cy: James Hogan, NMED/SWQB, Santa Fe, NM, (E-File)  
John E. Kieling, NMED/HWB, Santa Fe, NM, (E-File)  
Steven M. Yanicak, NMED/DOE/OB, (E-File)  
Hai Shen, EM-SG, (E-File)  
Gene E. Turner, LASO-NS-LP, (E-File)  
Jordan Arnsward, LASO-NS-PI, (E-File)  
Kirsten Laskey, LASO-SUP, (E-File)  
Craig S. Leasure, PADOPS, (E-File)  
Amy E. De Palma, PADOPS, (E-File)  
Michael T. Brandt, ADESH, (E-File)  
Raeanna Sharp-Geiger, ADESH, (E-File)  
Alison M. Dorries, ENV-DO, (E-File)  
Andrew W. Erickson, UI-DO, (E-File)  
Lawrence V. Chavez, UI-OPS, (E-File)  
Randy E. Vigil, UI-OPS, (E-File)  
Pablo F. C De Vaca, UI-OPS, (E-File)  
Gabriel C. Herrera, ES-UI, (E-File)  
Michael T. Saladen, ENV-CP, (E-File)  
Robert S. Beers, ENV-CP, (E-File)  
[lasomailbox@nnsa.doe.gov](mailto:lasomailbox@nnsa.doe.gov), (E-File)  
[locatesteam@lanl.gov](mailto:locatesteam@lanl.gov), (E-File)  
[env-correspondence@lanl.gov](mailto:env-correspondence@lanl.gov), (E-File)

# ENCLOSURE 1

Table of highlighted septic tank/leachfield systems  
submitted by NMED to DOE/LANS on  
September 15, 2015

ENV-DO-15-0267

LA-UR-15-27415

Date:                     OCT 0 8 2015

Los Alamos National Laboratory  
Ground Water Discharge Permit Application  
Domestic Wastewater Septic Systems—REVISED 8/2/07

8/2/2007

Table 1.0. Septic Systems Operating at Los Alamos National Laboratory.

	Septic System Name	Buildings Connected	Tank Size (gal.)	Disposal System	Discharge Rate <sup>1</sup> (gpd)	Install Date	Registration/Permit Date	NM Liquid Waste Reg./Permit No.
<b>Original Septic Systems Requiring No Change</b>								
1	TA-15-0205	TA-15-184, 185, 186, 310	605	Leach Field	180	1981	2/4/1987	LA-21
2	TA-16-0178	TA-16-210	380	Leach Field	20	1952	2/4/1987	LA-39
3	TA-33-0031	TA-33-19, 39, 113, 114, 168	1360	Seepage Pit	1200	1949	2/5/1987	LA-32
4	TA-33-0179	TA-33-178	1000	Leach Field	30	1987	12/7/1989	SF89032R
5	TA-39-0132	TA-39-111	1000	Leach Field	150	1985	1/20/1989	SF890024
6	TA-49-0448-0119	TA-49-113	1000	ET Bed	180	1990	11/18/1990	LA-49
7	TA-49-0448-0118	TA-49-115	1000	ET Bed	90	1990	11/18/1990	LA-50
8	TA-52-0099	TA-52-35, 36	2500	Seepage Pit	1300	2002	2/5/1987	LA-59
<b>Original Septic Systems Requiring Modification of Name or Description</b>								
9	TA-16-1194/1195 <sup>3</sup>	TA-16-54	1500 <sup>6</sup>	Leach Field <sup>7</sup>	40	1988	2/5/1987	LA-38
10	TA-33-0161 <sup>4</sup>	TA-39-2, 98, 62	2500 <sup>6</sup>	Evaporation Bed <sup>8</sup>	1200	1952	2/5/1987	LA-44
11	TA-36-0274 <sup>5</sup>	TA-36-78	1000	Leach Field	50	2003	8/19/2003	ES030243
<b>Septic Systems to be Added to Discharge Plan Application</b>								
12	TA-11-0043	TA-11-3, 24	300	Leach Field	20	1983	2/5/1987	LA-13
13	TA-15-0569	TA-15-312	1000	Leach Field	150	1989	10/30/1989	SF890589
14	TA-33-0096	TA-33-87	768	Leach Field	20	1955	2/5/1987	LA-34
15	TA-39-0089	TA-39-89	unknown	Leach Field	unknown	unk	unknown	unknown
16	TA-40-0024	TA-40-1, 23	1215	Leach Field	740	1949	2/5/1987	LA-45
17	TA-40-0025	TA-40-11	540	Leach Field	100	1949	2/5/1987	LA-46
18	TA-58-0052	TA-58-0049	unknown	Leach Field	unknown	unk	unknown	unknown
19	TA-66-0003	TA-66-0001	2000	Seepage Pit	240	1988	6/1/1988	SF880258
20	TA-69-0010	TA-69-0002	1000	Seepage Pit	unknown	1986	2/5/1987	LA-12
21	TA-72-0018	TA-72-8, 39	2000	Leach Field	600	1989	1/12/1989	SF890025

**Notes:**<sup>1</sup>Discharge Rates cited are the system design capacities listed on the NM Liquid Waste Disposal Permit Applications for each system.<sup>2</sup>This system is inactive.<sup>3</sup>This system was originally registered as TA-16-175. The septic tank was replaced and the system was renamed.<sup>4</sup>This system was originally registered as TA-39-12 and also known as TA-39-104. The septic tank was replaced and the system was renamed.<sup>5</sup>Formerly listed as TA-36-0078.<sup>6</sup>The tank size was previously listed as "unknown".<sup>7</sup>The disposal system was previously listed as "filter trench".<sup>8</sup>The disposal system was previously listed as "sand filter".

ET means an evapotranspiration bed.

## ENCLOSURE 2

Letter from Marcon Excavating, Inc. documenting the  
abandonment of the septic tank TA-15-0569  
at the DARHT Facility

ENV-DO-15-0267

LA-UR-15-27415

Date:           OCT 0 8 2015

**MARCON EXCAVATING, INC.  
140 AZTEC AVE.  
WHITE ROCK, NM 87544  
505-672-0490  
FAX 672-4067**

Los Alamos National Security  
P.O. Box 1663  
Los Alamos, NM 87545

Attn: Jenna Casias

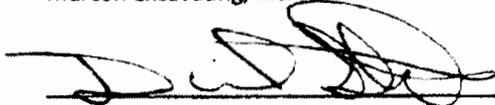
RE: TA16 DARHT Outfall Project

Dear Mrs. Casias,

This memo is to formally document the decommissioning of the old septic tank at the DARHT Facility.

The septic tank was pumped by others. On October 18, 2010 Marcon crew excavated and made preparations for collapsing. The entire tank including the top and sidewalls was collapsed on October 19, 2010. Once collapsed, the tank area was filled with sand above the level on any outlet pipe and then topped with earth to the top of the ground surface and capped with gravel. Signatures below confirm the abandonment of the above mentioned septic tank as described.

  
\_\_\_\_\_  
Marcon Excavating, Inc.

  
\_\_\_\_\_  
LANS STR