

LA-UR-11-10290

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Title: Corrections and Updates to NMED's Liquid Waste Database

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Intended for: NMED
Report
Waste management
Reading Room
NM Liquid Waste Regulations



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DRAFT

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Date: April 1, 2011
Refer To: ENV-RCRA: 11-
LA-UR: 11-

Mr. Robert Italiano, Manager
District II Field Office
Environmental Health Division
New Mexico Environment Department
2540 Camino Edward Ortiz
Santa Fe, NM 87507

Dear Mr. Italiano:

SUBJECT: CORRECTIONS AND UPDATES TO NMED'S LIQUID WASTE DATABASE

A recent query by Los Alamos National Laboratory (LANL or the Laboratory) of the New Mexico Environment Department's Liquid Waste Database (<http://nmenv-it.nmenv.state.nm.us/LWRealtor/>) identified 26 liquid waste permits for sanitary septic tank/leachfield systems and sanitary holding tanks (hereafter: systems) owned by LANL. Each permit was verified against our internal records to determine the status of the system. Below is a summary of our findings:

1. One (1) system—SF87002R—is assigned to LANL in error.
2. Eleven (11) systems are currently active (Table 1.0).
3. Fourteen (14) systems have been removed, abandoned-in-place, or bypassed (Table 2.0).

Additional information on the above systems is presented below.

SF87002R

The NMED's Liquid Waste Database assigned Liquid Waste Permit No. SF87002R to both the U.S. Department of Energy, Los Alamos, and to Ben Herrera, Nambe (See Enclosure 1.0). Because the Laboratory has no record of this permit, the form *Request for Liquid Waste Permit Search* was submitted to the NMED District II Field Office on March 2, 2011. On March 22, 2011, the District II Field Office responded to the Laboratory's request with an electronic copy (pdf) of a registration form for a Mr. Herrera (Enclosure 2). It appears that Liquid Waste Permit No. SF87002R was incorrectly assigned to the U.S. Department of Energy. The Laboratory requests that your agency correct this apparent error.

Active Systems

Eleven (11) of the 26 systems assigned to LANL in the NMED's Liquid Waste Database are currently active. See Table 1.0. Please note, however, that LANL currently has 31 active systems—19 holding tanks and 12 septic tank/leachfield systems; accordingly, 20 of LANL's active systems are not listed in the NMED's Liquid Waste Database.

Table 1.0. Active Septic Systems and Holding Tanks Listed in the Liquid Waste Database.

NMED Permit Number	Date of NMED Permit	TA	Structure Number	System Status	System Type	Tank Volume (gal)
SF890025	01/19/85	72	18	Active	Holding Tank	2000
SF89032R	12/06/85	33	179	Active	Leach field	1000
SF900759	11/15/86	49	119	Active	Holding Tank	1000
SF900758	11/17/86	49	118	Active	Evapotranspiration bed	1000
SF980011	01/08/94	54	351, 352	Active	Holding Tanks (2)	3000
SF980449	01/27/95	54	16	Active	Holding Tanks (2)	3000
ES990364	08/24/95	16	819	Active but scheduled for D&D	Holding Tank	1000
ES020139	05/08/98	69	46	Active (Emergency Use)	Holding Tank	21,587
ES020435	12/02/98	64	66	Active	Holding Tank	1250
ES030243	08/18/99	36	274	Active	Leach field	1000
ES050035	02/01/01	36	294	Active	Holding Tank	1500

Removed, Abandoned-In-Place, and Closed Systems

Fourteen (14) of the 26 systems assigned to LANL in the NMED's Liquid Waste Database have been removed, abandoned-in-place, or closed in accordance with NMED regulations (20.7.3.307 NMAC). See Table 2.0.

Table 2.0. Septic Systems and Holding Tanks Removed, Abandoned-in-Place, or Closed.

NMED Permit Number	Date of NMED Permit	TA	Structure Number	System Status	Date of Closure	System Type	Tank Volume (gal)
Temporary Holding Tanks Installed for Short-Term Construction Projects							
ES020357, -	9/29/98	2	Temporary	Tank(s) Removed	9/2001	Holding Tanks (3)	4000
SF040196	6/16/04	33	Temporary	Tank(s) Removed	unknown	Holding Tanks (2)	2500
Holding Tank(s) Removed Following Building D&D							
SF900022	1/15/86	3	2087	Tank Removed	3/2000	Holding Tank	3000
Septic Systems and Holding Tanks Abandoned-in Place Following Building D&D							
SF89031R	12/6/85	16	1153	Abandoned-in-place	2001	Absorption field	1000
SF890023	1/19/85	53	1016	Abandoned-in-place	1/1996	Holding tank	500
Septic Systems and Holding Tanks Abandoned-in Place Following Building Connection to the SWWS Plant¹							
SF890590	10/29/85	15	423	Abandoned-in-place	8/1992	Leach field	1000
SF89033R	12/6/85	36	70	Abandoned-in-place	12/1992	Seepage pit	500
SF890588	10/29/85	52	95	Abandoned-in-place	10/1992	Holding tank	3000
SF89034R	11/26/85	54	80	Abandoned-in-place	10/1994	Holding tank	1500
SF900757	11/15/86	54	150	Abandoned-in-place	10/1992	Holding tank	500
SF89035R	12/6/85	60	0	Abandoned-in-place	1992	Seepage pit	1000
SF89036R	12/6/85	63	12	Abandoned-in-place	9/1992	Seepage pit	1000
Septic Systems Closed Per 20.7.3 NMAC Following Building Connection to the SWWS Plant¹							
SF890589	10/29/85	15	569	Closed per 20.7.3 NMAC	10/2010	Leach field	1000
Holding Tanks Removed Following Building Connection to the SWWS Plant¹							
SF910476	9/28/87	51	100	Tank Removed	1993	Holding Tank	2000

Because the 14 systems listed in Table 2.0 are no longer in service, LANL requests that your agency update the NMED's Liquid Waste Database to reflect current conditions. Additionally, LANL requests that Liquid Waste Permit No. SF87002R, apparently assigned to the U.S. Department of Energy, Los Alamos, in error, be corrected in the NMED's Liquid Waste Database.

Please contact me at 505-667-7969 if you have questions regarding this matter.

Sincerely,

Robert Beers
Water Quality and RCRA Group

BB/lm

Enclosures: a/s

Cy: William Olson, NMED-GWQB, Santa Fe, NM, w/enc.
Gene Turner, LASO-EO, w/enc., A316
Steve Yanicak, LASO-GOV, w/enc., M894
Michael Mallory, PADOPS, w/o enc., A102
J. Chris Cantwell, ADESHQ, w/o enc., K491
Andy Erickson, UI-DO, w/o enc., K760
Charles Barnett, UI-OPS, w/o enc., J972
Mell Smithour, ES-UI, w/o enc., K718
Ramiro Marquez, MSS-FEW, w/o enc., K767
Mike Saladen, ENV-RCRA, w/o enc., K490
ENV-RCRA File, K490
IRM-RMMSO, A150

ENCLOSURE 1.0



New Mexico Environment Department
Community Services Bureau
Liquid Waste Permit

NMED Permit Number: SF87002R
Date NMED Received: 28-JAN-87

SYSTEM OWNER'S NAME: HERRERA, BEN	HOME PHONE: 0	BUSINESS PHONE: 0	TOWNSHIP: --	RANGE: --	SECTION: --	LATITUDE: --	LONGITUDE: --
MAILING ADDRESS: --	CITY, STATE, ZIP CODE: NM		INSTALLER NAME: OWNER	FIRM: OWNER	PHONE: --		
SYSTEM LOCATION (STREET ADDRESS): RT 1 BOX 142 NAMBE	CITY, STATE, ZIP CODE: NM		MAILING ADDRESS: --	CITY, STATE, ZIP CODE: --			
DIRECTIONS TO SITE: --			CID LICENSE #: --	CERTIFICATION: --			
SUBDIVISION: NAMBE	BLOCK: --	LOT: --	UNIFORM PROPERTY CODE: --				

I. Permit Application

- A. *Proposed Liquid Waste System is for:*
REGISTRATION OF EXISTING NON-PERMITTED SYSTEM
- B. *Proposed System is:*
DBASE CONVERTED RECORD; --

II. Wastewater Sources & Design Flows In Gallons Per Day

- A. *Proposed Liquid Waste System use and design flow:*
SINGLE FAMILY RESIDENTIAL 300 gpd
- B. *Other sewage sources on this property:* -- -- gpd
- Total Wastewater Flow On Property: 300 gpd**

III. Site Information

- A. Lot Size: **.9** Acres
Date of Record: **BEFORE NOVEMBER 1, 1973**
- B. *Depth from Ground Surface to:*
Seasonal High Water Table: **50** feet
Bedrock, Caliche, or Tight Clay: **50** feet
Gravel, Cobbles, highly permeable soil: **0** feet
- C. *Soil Description:* **CLAY**
Soil Percolation Rate: -- Minutes per Inch
- D. *Domestic Water Source:* **UNKNOWN**
Irrigation Well or Flood Irrigated Area on lot? **NO**

IV. System Design

- A. *Treatment System:*
SEPTIC TANK
Capacity: **1000** Gallons
Manufacturer: --
Certification No: --
- B. *Disposal System:*
TRENCH WITH PIPE AND GRAVEL
System type is:
-- --
- C. *Minimum required absorption area:* **0** feet²
Trench or Bed width: **0** feet
Gravel Depth below distribution pipe: **=0** feet
Total Trench or Bed Length: **0** feet
Number Of Trenches: **0**
Number Of Gravelless Units: **0**
- D. *Depth from ground surface to absorption area:* **4** feet

VI. The foregoing information is correct and true to the best of my knowledge.

I understand that the issuing of this permit does not relieve me from the responsibility of complying with all applicable provisions of the New Mexico Plumbing Code and the new Mexico Liquid Waste Disposal Regulations. Obtaining this permit does not relieve me from the responsibility of obtaining any permit required by state, city, or county regulation on ordinance or other requirements of state or federal law.

Signature _____

Date _____

Submitted By: **OTHER**

VII. NMED PERMIT

A permit for construction of the liquid waste disposal system described herein is hereby:

GRANTED

Conditions or Reason(s): --

NMED Representative _____

Date _____

If you have questions call: **VORHEES, COURTE**

VIII. NMED FINAL APPROVAL

No Inspection or Final Approval Found

NMED Representative _____

Date _____



New Mexico Environment Department
Community Services Bureau
Liquid Waste Permit

NMED Permit Number: SF87002R

Date NMED Received: 29-JUL-87

SYSTEM OWNER'S NAME: U.S. DEPARTMENT OF ENERGY, LOS ALAMOS	HOME PHONE: 0	BUSINESS PHONE: 0	TOWNSHIP: --	RANGE: --	SECTION: --	LATITUDE: --	LONGITUDE: --
MAILING ADDRESS: --	CITY, STATE, ZIP CODE: NM		INSTALLER NAME: UNKNOWN UNKNOWN	FIRM: UNKNOWN	PHONE: --		
SYSTEM LOCATION (STREET ADDRESS): TA 49 S 108 E 83	CITY, STATE, ZIP CODE: NM		MAILING ADDRESS: --	CITY, STATE, ZIP CODE: --			
DIRECTIONS TO SITE: --			CID LICENSE #: -1	CERTIFICATION: --			
SUBDIVISION: --	BLOCK: --	LOT: --	UNIFORM PROPERTY CODE: --				

I. Permit Application

A. Proposed Liquid Waste System is for:

DBASE CONVERTED RECORD

B. Proposed System is:

DBASE CONVERTED RECORD; --

II. Wastewater Sources & Design Flows In Gallons Per Day

A. Proposed Liquid Waste System use and design flow:

OTHER 40 gpd

B. Other sewage sources on this property: -- -- gpd

Total Wastewater Flow On Property: 40 gpd

III. Site Information

A. Lot Size: 0 Acres

Date of Record: **NOT LISTED ON FORM**

B. Depth from Ground Surface to:

Seasonal High Water Table: **0 feet**

Bedrock, Caliche, or Tight Clay: **0 feet**

Gravel, Cobbles, highly permeable soil: **0 feet**

C. Soil Description: OTHER

Soil Percolation Rate: **--** Minutes per Inch

D. Domestic Water Source: UNKNOWN

Irrigation Well or Flood Irrigated Area on lot? **NO**

IV. System Design

A. Treatment System:

UNKNOWN

Capacity: **1000** gallons

Manufacturer: **--**

Certification No: **--**

B. Disposal System:

DBASE CONVERTED RECORD

System type is:

-- --

C. Minimum required absorption area:

0 feet²

Trench or Bed width: **0** feet

Gravel Depth below distribution pipe: **=0** feet

Total Trench or Bed Length: **0** feet

Number Of Trenches: **0**

Number Of Gravelless Units: **0**

D. Depth from ground surface to absorption area:

0 feet

VI. The foregoing information is correct and true to the best of my knowledge.

I understand that the issuing of this permit does not relieve me from the responsibility of complying with all applicable provisions of the New Mexico Plumbing Code and the new Mexico Liquid Waste Disposal Regulations. Obtaining this permit does not relieve me from the responsibility of obtaining any permit required by state, city, or county regulation on ordinance or other requirements of state or federal law.

Signature _____

Date _____

Submitted By: **OTHER**

VII. NMED PERMIT

A permit for construction of the liquid waste disposal system described herein is hereby:

--

Conditions or Reason(s): --

NMED Representative _____

Date _____

If you have questions call: PATP

VIII. NMED FINAL APPROVAL

No Inspection or Final Approval Found

NMED Representative _____

Date _____

ENCLOSURE 2.0



REGISTRATION OF AN UNPERMITTED INDIVIDUAL LIQUID WASTE SYSTEM

EID Registration Number
SF 87002R

SYSTEM OWNER'S NAME - Last, First and Middle <u>HERBERTA, BEVA</u>		HOME PHONE <u>455-2516</u>	BUSINESS PHONE
MAILING ADDRESS - Street/P.O. Box, City, State and Zip Code <u>Rt 1, Box 142 - Santa Fe, New Mexico</u>			
LOCATION OF SYSTEM - Street address, and directions to site if needed <u>Rt 1, Box 142 - NAMBÉ</u>			COUNTY <u>SANTA FE</u>
DATE OF SYSTEM INSTALLATION <u>1970 - May</u>	SUBDIVISION, block and lot	TOWNSHIP-RANGE-SECTION	
INSTALLER'S NAME AND FIRM <u>OWNER</u>			PHONE <u>SAME</u>
MAILING ADDRESS - Street/P.O. Box, City, State and Zip Code			

Note: This form is used to record information concerning individual liquid waste systems which were initially installed without a valid EID Permit. It is intended to serve as a record of the system's existence, with as many details about its construction as may be available at the time, but in no way is it to be construed as the equivalent of a Permit. If the system is to be modified or enlarged, a Permit must be obtained.

I. BUILDING USE AND DESIGN FLOW

Residential: Single family, with 2 bedrooms Multiple family, with _____ units with _____ bedroom/units

All Others: 1 - 3 BR. TRAILER (MOBILE HOME)
specify type of establishment & no. and type of wastewater flow sizing units (see instructions)

Gallons per Day: Residential 300 GPD All others _____
number of sizing units times flow per sizing unit

II. SITE INFORMATION

Water Sources: Off-site or On-site Public or Private Shared

Lot Size: .9 acre square feet or acres Plat Date: Pre 1973

Suitable Area: .5 square feet or acres Surface water Slopes over 15% Rock outcrops Irrigation

Depth from Surface to: Seasonal high water table > 50' inches or feet Rock, caliche, or highly permeable material > 50' inches or feet

Soil Type: Coarse sand or gravel Fine sand Sandy loam or sandy clay Clay with considerable sand or gravel Clay with small amount of sand or gravel

III. SYSTEM DESIGN

Treatment Unit: Septic tank Other - specify _____

Size: 4,000 GAL capacity in gallons or gallons per day

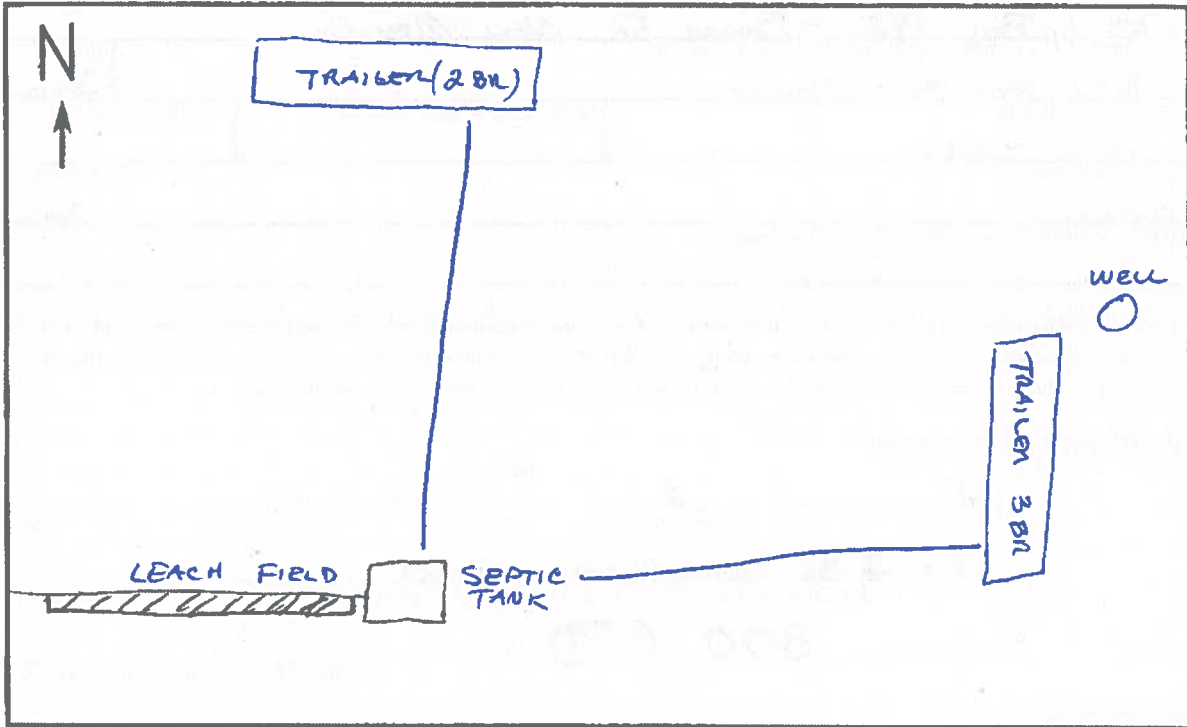
Leaching Area: (approximate) Trench or Bed 300 sq ft = width 3 feet X length 100 (ft) + 3 (ft) + _____ (ft trench 3 (etc))

Other - specify _____ = _____ specify type and dimensions (attach plans for alternative systems)

Depths: Gravel below drain pipe 2' inches or feet Ground surface to bottom of leaching area 45 ft inches or feet

IV. PLOT PLAN. Diagram the liquid waste system (birdseye view). Show setback distances to property lines, buildings, water lines and wells, other liquid waste systems, canals, arroyos, watercourses, and lakes. Include the following landmarks within 200 feet of the system:

- a) proposed and/or existing buildings, driveways, water lines and wells, and other liquid waste systems;
- b) the direction of groundwater movement, location of any surface water, irrigated areas, arroyos, rock outcrops, or sloping area;
- c) property lines and dimensions of the parcel where the system is located.



V. FURTHER NOTES. Include any further information which may be pertinent. _____

VI. AFFIDAVIT. The foregoing information is correct, complete and true to the best of my knowledge. I understand that registration of this system does not relieve me from complying with all applicable provisions of the New Mexico Uniform Plumbing Code and the New Mexico Liquid Waste Disposal Regulations.

Ben Hansen Jr
Owner

Jan 4, 1987
Date

VII. EID USE ONLY

The information recorded on this form indicates that the system described apparently MEETS DOES NOT MEET the requirements in effect at the time of its installation or the requirements of Part 2 of the current Liquid Waste Disposal Regulations, whichever are less stringent. [A favorable judgment on apparent compliance does not certify the system's functional adequacy or actual compliance with the regulations.] In no way is the owner or user of this system relieved of complying with the Liquid Waste Disposal Regulations.

Carolee K... [Signature]
Environmentalist

1-5-86
Date