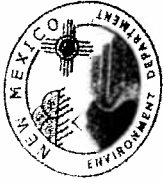


APPLIED RECEIVED LIQUID WASTE PERMIT OR REGISTRATION



JUN 18 2009

Date NMED Received:

NMED Use Only: NEW ENVIRONMENT-DEPT DISTRICT 11

Call 758-8808 to schedule an inspection WITHIN 14 DAYS of 2 working days prior to the inspection. Permit Fee: \$150.00

NMED Permit Number: TA090096

SYSTEM OWNER'S NAME: Last, First, MI El Valle de Los Ranchos Water & Sanitation District Home Phone: 751-1700

MAILING ADDRESS: Street/PO Box, City, State, Zip Code P.O. Box 2797, Raachos de Teos, NM, 87557

SYSTEM LOCATION: Address, City, ZIP, County - (if needed, attach directions) Miranda Canyon Rd. - Next to Llano Quemado Community Center

SUBDIVISION 24N 12E UNIT/PHASE 1 BLOCK LOT/TRACT Tract 1A

UNIFORM PROPERTY CODE: 1-071-174-178-186 SECTION QTR QTR LATTITUDE LONGITUDE ELEV

TOWNSHIP RANGE SECTION QTR QTR LATTITUDE LONGITUDE ELEV

INSTALLER'S NAME & FIRM: Project to be let to bid PHONE:

MAILING ADDRESS: Street/PO Box City State ZIP

CID License No./Class MM-1 MM-98 MS-1 MS-3 MS-3 Homeowner

I. PERMIT APPLICATION (instructions available on request)

Application is for: New Permit Modification of an existing system Registration - existing unpermitted system

Existing Permit No. (if applicable): ATS ownership transfer

II. WASTEWATER SOURCES & DESIGN FLOWS IN GALLONS PER DAY (gpd)

A. Proposed liquid waste system use and design flow:
 Single family residence 200 gpd
 Multiple family units 200 gpd
 Seasonal residence 200 gpd
 Commercial/Institutional (type): Office - 10 employees 200 gpd

Other (type): 200 gpd

B. Are there other sewage sources on this property? Yes No

TOTAL WASTEWATER FLOW ON PROPERTY: 200 gpd

III. SITE INFORMATION

A. Lot Size: 1.0 Acres Date of Record: 12/19/07
 (nearest 0.01 acre)
 Ownership and lot size documentation attached: Warranty deed Other, specify: ILK

Recorded survey Recorded plat Property tax receipt

B. Depth from Ground Surface to:
 Seasonal High Water Table 80'-100' feet
 Bedrock, Caliche, Tight Clay 5-6' feet
 Gravel, Cobbles, Highly permeable soil 5-6' feet
 C. Soil Description:
 USDA Soil Class Methodology & Verification Submitted? Yes No
 Type Ia=1.25 sf/gal/day Type Ib=2 sf/gal/day Type II=2 sf/gal/day
 Type III=2 sf/gal/day Type IV=5 sf/gal/day

D. Domestic Water Source:
 On-site Off-site Private Public Shared
 Irrigation well, or flood irrigated area on lot? N/A Yes No
 State Engineer Well Permit #: N/A
 Name of Public Water System: Llano Quemado Mutual Domestic Water Consumers Assn.

IV. SYSTEM DESIGN
 A. Treatment Unit:
 Septic tank Manufacturer: Silver's Exc. Capacity 1,000
 Certification No.:
 ATS (Advanced Treatment System) Secondary Tertiary Sand filter
 Disinfection Other (specify):
 Manufacturer: Voluntary ATS Model:

B. Disposal System:
 Trench Leaching Bed Seepage Pit
 Privy Holding tank Elevated Bed Wisconsin Mound
 Vault Lined Evapotranspiration (ET) Bed Unlined ET Bed
 Irrigation Low pressure dosed Drip Gray water
 Other (specify):
 Materials: Pipe & Gravel Gravelless (type):
 Distribution box: Yes No

C. Minimum required absorption area:
 AR 2.0 x Q 200 = 400 SQFT
 Trench or Bed width = 3 ft
 Gravel depth below pipe = 1 ft
 Total Trench or Bed Length = 136
 Length of Trenches = (1) 34 ; (2) 34 ; (3) 34 ; (4) 34
 Number of Gravelless Units = 408 SQFT
 Proposed Absorption Area of System = 408 SQFT

D. Depth from ground surface to bottom of absorption area = 31.5'-45' ft

NMED Permit Number: TA090096

V. SITE PLAN: Attach plat, diagram or picture file of the lot and liquid waste system. Show setback distances from both the tank and disposal field to property lines, buildings, structures, wells, water lines, irrigation ditches, arroyos and surface waters within 200 feet of the system, and the direction of groundwater flow.

NMED Use: A plat, drawing or picture, including setback distances, in accordance with 20.7.3.302:
 IS attached

POP

VI. The foregoing information is correct and true to the best of my knowledge. I understand 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 and Treatment Regulations. Obtaining this permit does not relieve me from the responsibility of obtaining any required by state, city or county regulation or ordinance or other requirements of state or federal law.

Oliver N. OBA
Signature _____ Date 6/18/09
 Owner Contractor Other, specify: Consulting Engineer

VII. NMED PERMIT TO CONSTRUCT (For Registrations, ATS Ownership Transfer, or Permitting of Existing Unpermitted Systems installed after February 1, 2002 skip this section and go to Section VIII):

A permit for construction of the liquid waste disposal system described herein is hereby:
 Granted Granted subject to conditions Denied

Permit Conditions or Reasons for Denial: inspection required prior to cover-up.

E De
NMED Representative _____ Date 18 June 2009

NOTE: This permit may be canceled for failure to meet any condition specified: failure to complete the system within one year, for providing inaccurate or incomplete information; or for failure to notify NMED to schedule an inspection, a minimum of 2 working days prior to the inspection.
If you have questions call: 758-2808

VIII. NMED FINAL APPROVAL TO OPERATE LIQUID WASTE SYSTEM:
The system described above: was inspected by NMED Contractor photo inspection authorized

NMED Inspection History _____
_____ NMED Representative _____ Date _____

A permit for operation of the liquid waste disposal system described herein is hereby:
 Granted Granted subject to conditions Denied

Conditions of Approval: _____
_____ NMED Representative _____ Date _____

H Disposal fields shall be constructed as follows:

	MINIMUM	MAXIMUM
Number of drain lines	1 per field	
Length of each line		155 ft.
Bottom width of trench	12 in.	36 in.
Depth of earth cover of lines	9 in.	
Depth of Trench		6 ft.
Grade of lines	level	3 inch/100 ft.
Aggregate under drain lines	6 in.	
Aggregate over drain lines with: geotextile fabric	0 in.	
other material	2 in.	

I Minimum spacing between trenches or leaching beds shall be four (4) feet plus (2) feet for each additional foot of depth in excess of one (1) foot below the bottom of the drain line. Distribution drain lines in leaching beds shall not be more than six (6) feet apart on centers and no part of the perimeter of the leaching bed shall be more than three (3) feet from a distribution drain line.

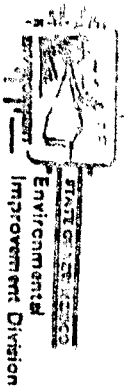
Table 703.1: Application Rates by Soil Types for Conventional Treatment Systems

Soil Type	Soil Texture	Application Rate (AR) (sq. ft./gal/day)
Ia	Coarse Sand	1.25 (See Subsection F of 20.7.3.703 NMAC)
Ib	Medium Sand, Loamy Sand	2.00
II	Sandy Loam, Fine Sand, Loam	2.00
III	Silt, Silt Loam, Clay Loam, Silty Clay Loam, Sandy Clay Loam	2.00
IV	Sandy Clay, Silty Clay, Clay	5.00 (See Subsection G of 20.7.3.703 NMAC)

Table 302.1: Minimum setback and clearance requirements

From:	To:	Building Sewer	Treatment Unit*	Disposal Field	Seepage Pit
Property lines	clear	5 ft.	5 ft.	8 ft.	8 ft.
Building or structure	2 ft.	5 ft.	8 ft.	8 ft.	8 ft.
Distribution box	--	--	5 ft.	5 ft.	5 ft.
Disposal field	--	--	10 ft.*****	4 ft.*****	10 ft.
Seepage pit	--	--	10 ft.	10 ft.	12 ft.
Drinking water line*****					
- private	1 ft.	10 ft.	10 ft.	10 ft.	10 ft.
- public	10 ft.	10 ft.	10 ft.	10 ft.	
Drinking Water Source/Well:					
- Private	50 ft.	50 ft.	100 ft.	100 ft.	100 ft.
- Public	50 ft.	100 ft.	200 ft.	200 ft.	200 ft.
Irrigation well	50 ft.	50 ft.	100 ft.	100 ft.	100 ft.
Lined canals	--	10 ft.**	10 ft.**	10 ft.**	10 ft.**
Unlined canals, drainage ditches	--	15 ft.**	25 ft.**	25 ft.**	25 ft.**
Arroyos	--	15 ft.**	25 ft.**	25 ft.**	25 ft.**
Other watercourses,					
Waters of the State	--	50 ft.	100 ft.	100 ft.	100 ft.
Retention/detention area	--	15 ft.	15 ft.	15 ft.	15 ft.
Seasonal high water table, bedrock and other impervious layers***	--	--	4 ft. to bottom of system	4 ft. to bottom of system	4 ft. to bottom of system

- (1) * Applies to privy pits, enclosed systems, other liquid waste treatment units.
- (2) ** Plus depth of channel.
- (3) *** Unlined privy pits shall provide clearance of at least 4 feet.
- (4) **** Plus 2 feet for each additional foot of depth in excess of 1 foot below perforated pipe.
- (5) ***** May be 5 feet when Schedule 40 PVC/DWV pipe is used.
- (6) *****Or applicable plumbing code.



PERCOLATION TEST RECORD
FOR INDIVIDUAL LOTS

OWNER'S NAME - Last, First and Middle

MAILING ADDRESS - Street/P O Box, City, State and Zip Code

LOCATION OF PROPERTY

LLAND QUEMABA EAST

HOME PHONE

BUSINESS PHONE

Test Hole Number 1 - EAST

Test Hole Number 2 - WEST

Time	Distance to Top of Water	Actual Water Level Drop	Depth of hole	Time	Distance to Top of Water	Actual Water Level Drop	Percolation Rate	
							min/in	min/in
9:00	23.30"	1.1"	37"	9:03	25.90"	2.45"		
9:10	24.40"			9:13	28.35"			
9:20	25.05"	0.65"		9:23	29.80"	1.45"		
9:30	25.65"	0.60"		9:33	30.70"	0.90"		
9:40	26.15"	0.50"		9:43	31.55"	0.85"		
9:50	26.65"	0.50"		9:53	32.40"	0.85"		
10:00	27.15"	0.50"		10:03	33.10"	0.76"		

Percolation rate = Time interval used, in minutes ÷ Last water level drop, in inches

Test Hole Number 1 : 10 minutes = 20 min/in
.5 inches

Test Hole Number 2 : 10 minutes = 14.3 min/in
.7 inches

Average 17.14 min/in

Test completed by: AMOS HOCKMEYER, ABEYTA ENGINEERS INC Date: 6/5/09

Owner Contractor Other -specify ENGINEER

Report reviewed by: _____ Date: _____