

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87501

RECEIVED

APR 14 1992

OIL CONSERVATION DIV.
SANTA FE

APPLICATION FOR SURFACE WASTE DISPOSAL FACILITY

(Refer to OCD Guidelines for assistance in completing the application.)

- I. Type: ☐ Produced Water ☐ Drilling Muds ☐ Treating Fluids
☐ Solids ☐ Other Land Farm
- II. OPERATOR: Tierra Environmental Company, Inc.
ADDRESS: 909 West Apache, Farmington N.M. 87401
CONTACT PERSON: (See Attached) PHONE: _____
- III. LOCATION: NW 1/4 SE 1/4 Section 2 Township 29 N Range 12 W
Submit large scale topographic map showing exact location.
- IV. IS THIS AN EXPANSION OF AN EXISTING FACILITY? ☐ Yes ☒ No
- V. Attach the name and address of the landowner of the disposal facility site and landowners of record within one-half mile of the site.
- VI. Attach description of the facility with a diagram indicating location of fences, pits, dikes, and tanks on the facility.
- VII. Attach detailed engineering designs with diagrams prepared in accordance with Division guidelines for the construction/installation of the following: pits or ponds; leak-detection systems; aerations systems; enhanced evaporation (spray) systems; waste treating systems and security systems.
- VIII. Attach a contingency plan for reporting and clean-up of spills or releases.
- IX. Attach a routine inspection and maintenance plan to ensure permit compliance.
- X. Attach a closure plan.
- XI. Attach geological/hydrological evidence demonstrating that disposal of oil field wastes will not adversely impact fresh water.
- XII. Attach proof that the notice requirements of OCD Rule 711 have been met. (Commercial facilities only.)
- XIII. Attach a contingency plan in the event of a release of H₂S.
- XIV. Attach such other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.
(see attachments)
- XV. CERTIFICATION

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: [Signature]

Title: PRES

Signature: [Signature]

Date: 4/13/92

DISTRIBUTION: Original and one copy to Santa Fe with one copy to appropriate Division District Office.

APPLICATION FOR SURFACE WASTE DISPOSAL FACILITY

(Land Farm Operation)

I. Type of Operation

The major purpose of the facility is disposal of solids, semi-solids and Sludges, produced as a result of oil and gas production, exploration or processing activity. Only substances classified as non hazardous by RCRA Subtitle C exemption or by characteristic testing will be accepted at the facility.

Those substances will be land farmed. They will be spread in no more than six (6) inch lifts, then turned periodically, in accordance with a pre-determined schedule, based on the degree of contamination for each job. They will be spread and treated in an identified cell. A select cell area of the proposed land farm will be dedicated to biological technology for remediation

II. Operator

Tierra Environmental Company Inc.,
909 West Apache
Farmington, New Mexico 87401,
Phone (505) 325-0924.

Contact Persons are:

Richard P. Cheney, President,
909 West Apache, Farmington, New Mexico 87401,
Phone (505) 327-3303
Phillip C. Nobis, Vice President,
702 Miller Street, Bloomfield, New Mexico 87413
Phone (505) 632-1404

III. Location of Facility

See Exhibit "A" which includes exact location and a topographic map identifying the facility location.

IV. Expansion Request

N A

V. Land Ownership

The land and facility are owned by:

Tierra Environmental Company, Inc.
909 West Apache
Farmington, N.M. 87401

Land Owners of record, according to San Juan County Assessor information, with in one half mile are:

U.S. Bureau of Land Management
1235 La Plata Highway
Farmington, N.M. 87401

Nancy Jean Simmons
44 Canyon Pl.
Mountain Home, Idaho 83647

Morning Star Corporation
P.O. Box 9
Farmington, New Mexico 87499

George Coleman
Box 3337
Farmington, New Mexico 87499

Lawarence Woodard
c.o. Richard Patton
P.O. Box 1725
Bloomfield, N.M. 87413

Eugene Watson et al
3107 Palomas
Farmington, N.M. 87401

Raymond Condit
c.o. James Hobbs
P.O. Box 3455
Farmington, N.M. 87499

Charles Foutz et al
1550 Stapely # 35
Mesa, Arizona 50931

Fay Greer (Trustees)
2816 Kentucky
Albuquerque, N.M. 87110

VI. Description for the facility with diagram indicating fences, pits, dikes on facility. (See Exhibit B, prepared by Brewer Associates, Inc. Engineers, Farmington, N.M.)

VII. Engineering Information

The Land Farm will accept the afore described materials. Soils will be spread in dedicated cells in no more than six (6) inch lifts. They will be turned by use of tractor and disc or similar equipment periodically based on the degree of contamination for exposure to the air. Sludges will be mixed with clean soils and treated as contaminated soils. A specific area of the land farm will be dedicated to the

treatment and remediation of, tank bottoms, waxes and similar material requiring bio technology in order to accelerate decomposition.

(See Exhibit B, prepared by Brewer Associates, Inc. Farmington, N.M.) for design information.

An independent laboratory analysis of each operational cell will be conducted at least every thirty (30) days in order to monitor effectiveness of the particular remediation program.

VIII. Contingency Planning.

No spills are anticipated on location as liquid material will not be processed at this facility. Contingencies for flooding from rain fall are described in Brewer Associates Engineering information. Clean fill material is directly available to the facility located upon adjacent property owned by the operator, for use in the event of failure or berm or diking and clean up associated there with. Any liquid release resulting from flooding and subsequent run off in the event of dike failure will be mixed with clean fill material, removed from the area of the spill or release and returned to the land farm proper for remediation. Necessary dirt work equipment will be on location at all times as it will be used in the land farm operation continuously.

OCD will be notified with in two (2) working days of any spill or release.

IX. Routine Inspection & Maintenance Plan

The facility is expected to be a low maintainance operation. Berms, dikes, and fencing will be inspected weekly. Berms and dikes will be given special attention during unusually severe rain fall and inspected thoroughly following each event. Any required repairs will be conducted immediately.

X. Closure Plan

When the facility is to be closed, no new material will be accepted. Existing soils being remediated will be processed until they meet OCD standards, verified by independent laboratory testing. The area will then be seeded with natural grasses and allowed to return to its' natural state.

XI. Geological and Hydrological evidence demonstrating that disposal of oil field waste will not adversely impact fresh water.

The nearest surface water is the Animas River which is approximately two (2) miles north of the proposed land farm facility. According to information from the State Engineers Office in Albuquerque, N.M., there is a water well reported in SE4, SE4, of Section 34-T30N-R12. Total depth of the well is 107'. A copy of the well record is attached as Exhibit C. The well encountered water at 25 feet. The well is located at an elevation of about 5800 feet. The land farm which is located in the SE4 of Section 2. It's lowest point is at elevation 5900 feet. We estimate distance to the nearest ground water to be at least 100 feet. No ground water is reported with in one mile of the land farm location. The land farm site is located at or near the highest point on a mesa and is fairly level with down gradient to the north west. Annual rainfall is light. Because of the elevation of the land farm it is well away from and out of the 100 year flood plain. Flood protection from excessive rain fall is outlined in the engineers information and consists of the construction of higher berming to the north west in order to contain any potential run off from the land farm itself.

XII. Attached as Exhibit D, is a copy of notification letters sent to land owners and the certified receipts there fore as required by OCD Rule 711.

XII. No Hydrogen Sulfide problems are expected. However, on site monitoring by means of chemical testing will be conducted. Chlorine donors and oxydizers in sufficient quantity will be kept on location for application in the unlikely event Hydrogen Sulfide is identified as being present.

XIV. Other Information

The land farm will be adequately signed. Any material brought to the land farm will be certified by laboratory analysis. Material brought to the land farm by the owner operator, will have been tested prior to delivery. Material brought to the land farm by others will be accompanied by a laboratory certification identifying the constituents or tested at the land farm prior to acceptance. All material not meeting RCRA standards as described in Subtitle C or by characteristic testing, will not be accepted. Accurate records identifying all materials accepted at the land farm, as well as identification of the exact cell location where the material is being remediated and by what methods will be kept on location. Those records as well as the facility will be open to inspection by OCD personnel at anytime during normal business hours.

77 SEP 23 PM 11:23 June 19

STATE ENGINEER OFFICE
WELL RECORD

STATE ENGINEER OFFICE
SANTA FE, N.M. 87501

Section 1. GENERAL INFORMATION

(A) Owner of well Scott Thurst Owner's Well No. #2
Street or Post Office Address P.O. Box (6)
City and State Astec, New Mexico 87410

Well was drilled under Permit No. S.J. 1428 and is located in the:

a. 1/4 SE 1/4 of Section 34 Township 30 Range 12 N.M.P.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone is
the _____ Grant

(B) Drilling Contractor John C. Hargis License No. WD. 724

Address RT. 1 Box 260-B Astec New Mexico

Drilling Began 20 Sept. Completed 21 Sept. Type tools Cable/? Size of hole 8 1/2 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 107 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 25 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
25	30	5	Dark Blue Water Sand	5
90	107	17	Blue Water Sand	5- 6

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
8"	24	Weld	0	10- 5	10-5	None	Surface	
5"	Plastic		0	107	107		60	100

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by: _____

State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received 9/23/77

Quad _____ FWL _____ FSL _____

File No. SJ-428 Use Dom. Location No. 30N. 12W. 34 440

San Juan Co.

