



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO  
SANTA FE, NEW MEXICO 87505  
(505) 827-7131

October 22, 1999

**CERTIFIED MAIL**  
**RETURN RECEIPT NO. P-326-936-649**

Mr. Larry Gandy  
Gandy Marley, Inc.  
P.O. Box 1658  
Roswell, NM 88202

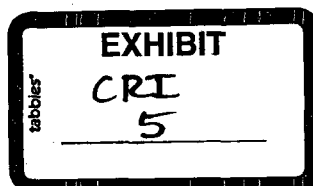
**RE:   OCD Rule 711 Permit Approval NM-01-0020**  
**Gandy Marley, Inc.**  
**Commercial Landfarm**  
**Sections 4, 5, 8, and 9, Township 11 South, Range 31 East, NMPM,**  
**Chaves County, New Mexico**

Dear Mr. Gandy:

The permit application for the Gandy Marley, Inc. (Gandy Marley) commercial surface waste management facility located in Sections 4, 5, 8, and 9, Township 11 South, Range 31 East, NMPM, Chaves County, New Mexico, is hereby approved in accordance with New Mexico Oil Conservation Division (OCD) Rule 711 under the conditions contained in the enclosed attachment. This permit approval is conditional upon the receipt and approval by the Director of financial assurance in the amount of \$82,917. According to the schedule outlined in the financial assurance section of the enclosed attachment, a portion of the \$82,917 financial assurance (\$25,000) is required within thirty (30) days of the date of this permit approval letter. The application consists of the permit application Form C-137 dated December 9, 1997, supplemental information dated September 10, 1999, the inspection report response letter dated September 10, 1997, the original permit application dated October 6, 1994, the original permit approval dated January 27, 1995, the application for permit modification dated April 4, 1996 and the permit modification dated June 14, 1996.

The operation, monitoring and reporting shall be as specified in the enclosed attachment. All modifications and alternatives to the approved landfarming methods must receive prior OCD approval. Gandy Marley is required to notify the Director of any facility expansion or process modification and to file the appropriate materials with the Division.

Please be advised approval of this facility permit does not relieve Gandy Marley of liability should your operation result in pollution of surface water, ground water, or the environment. In



Before the OCD  
Case 13454 & 13455  
OCD Ex. 4

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addition, OCD approval does not relieve Gandy Marley of responsibility for compliance with other federal, state or local laws and/or regulations.

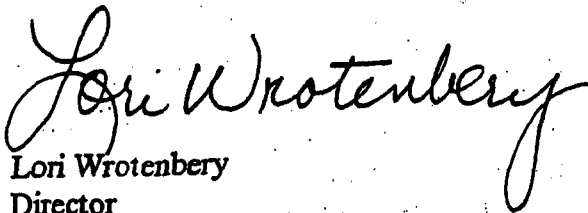
Please be advised that all tanks exceeding 16 feet in diameter and exposed pits, ponds or lagoons must be screened, netted or otherwise rendered nonhazardous to migratory birds. In addition OCD Rule 310 prohibits oil from being stored or retained in earthen reservoirs or open receptacles.

The facility is subject to periodic inspections by the OCD. The conditions of this permit will be reviewed by the OCD no later than five (5) years from the date of this approval and the facility will be inspected at least once a year. In addition, the closure cost estimate will be reviewed according to prices and remedial work estimates at the time of the five (5) year review. The financial assurance may be adjusted to incorporate any closure cost changes.

Enclosed are two copies of the conditions of approval. Please sign and return one copy to the OCD Santa Fe Office within five working days of receipt of this letter.

If you have any questions please do not hesitate to contact Martyne J. Kieling at (505) 827-7153.

Sincerely,

  
Lori Wrotenberg  
Director

LW/mjk

xc with attachments:  
Hobbs OCD Office

**ATTACHMENT TO OCD 711 PERMIT APPROVAL**  
**PERMIT NM-01-0020**  
**GANDY MARLEY, INC.**  
**Sections 4, 5, 8, and 9, Township 11 South, Range 31 East, NMPM,**  
**Chaves County, New Mexico**  
**(October 22, 1999)**

**LANDFARM OPERATION**

1. The facility must be fenced and have a sign at the entrance. The sign must be legible from at least fifty (50) feet and contain the following information: a) name of the facility; b) location by section, township and range; and c) emergency phone number.
2. Disposal may occur only when an attendant is on duty. The facility must be secured when no attendant is present.
3. All contaminated soils received at the facility must be spread and disked within 72 hours of receipt.
4. Soils must be spread on the surface in lifts of six inches or less.
5. Soils must be disked a minimum of one time every two weeks (biweekly) to enhance biodegradation of contaminants.
6. Moisture may be added as necessary to enhance bioremediation and to control blowing dust.
7. There may be no ponding, pooling or run-off of water allowed. Any ponding of precipitation will be removed within twenty-four (24) hours of discovery.
8. The portion of the facility containing contaminated soils must be bermed to prevent run-off and run-on. A perimeter berm must be constructed and maintained such that it is capable of containing precipitation from a one-hundred year flood for the specific region.
9. Contaminated soils may not be placed within one hundred (100) feet of the boundary of the facility.
10. Contaminated soils may not be placed within twenty (20) feet of any pipelines crossing the landfarm. In addition, no equipment may be operated within ten (10) feet of a pipeline. All pipelines crossing the facility must have surface markers identifying the location of the pipelines.

11. All above-ground tanks located at the facility and containing materials other than fresh water must be placed on an impermeable pad. The tanks must be labeled as to contents and hazards and must be bermed to contain one and one-third the volume of the largest tank or all interconnected tanks
12. The OCD Santa Fe and Hobbs District offices must be notified within 24 hours of discovery of a spill or leak.
13. Successive lifts of contaminated soils may not be spread until a laboratory measurement of total petroleum hydrocarbons (TPH) in the previous lift is less than 2500 parts per million (ppm), the sum of all aromatic hydrocarbons (BTEX) is less than 50 ppm, and benzene is less than 10 ppm. Comprehensive records of the laboratory analyses and the sampling locations must be maintained at the facility. Authorization from the OCD must be obtained prior to application of successive lifts and/or removal of the remediated soils.
14. Enhanced bio-remediation through the application of microbes (bugs) and/or fertilizers is permitted only with prior approval from the OCD Santa Fe office. Requests for approval of the application of microbes or fertilizers must include the location of the area designated for the program, the composition of additives, and the method, amount and frequency of application.
15. Any design changes to the landfarm and tank bottom holding and treatment area must be submitted to the OCD Santa Fe office for approval and a copy must be sent to the Hobbs District office.
16. Landfarm inspection and maintenance must be conducted on at least a biweekly basis and immediately following each consequential rainstorm or windstorm. The OCD Santa Fe and Hobbs District offices must be notified within 48 hours if any defect is noted. Repairs must be made as soon as possible. If the defect will jeopardize the integrity of the landfarm additional wastes may not be placed into the landfarm until repairs have been completed.
17. To protect migratory birds, all tanks exceeding 16 feet in diameter and exposed pits, ponds or lagoons must be screened, netted, covered or otherwise rendered nonhazardous to migratory birds.

#### TANK BOTTOM ACCEPTANCE

1. For worker protection all loads of tank bottoms must be pre-screened for  $H_2S$  before they are un-loaded from the truck. Records of  $H_2S$  screening must be maintained for OCD review.

2. All tank bottoms must be accepted into the receiving tank for settling prior to solidification and landfarm application.
3. The concrete mixing impoundment may be used for the solidification of tank bottoms received by the landfarm facility. Adequate freeboard must be maintained to prevent any overtopping or slop over of material. OCD-approved remediated soil may be mixed with the tank bottoms to stabilize the material. Material received at the impoundment must be mixed and stabilized immediately.
4. The concrete mixing impoundment must be inspected inside and outside every two weeks (biweekly) for overall integrity. Records of such inspections must be made available to the OCD upon request.
5. Loads of tank bottoms that contain miscellaneous hydrocarbons exceeding 2/10 of 1% of the total volume of the tank bottoms must be accompanied by an OCD-approved Form C-117A from the well operator. Accumulations of miscellaneous hydrocarbons must be reported monthly on Form C-118.

#### **WASTE ACCEPTANCE CRITERIA**

1. The facility is authorized to accept only:
  - a. Oilfield wastes that are exempt from RCRA Subtitle C regulations and that do not contain Naturally Occurring Radioactive Material regulated pursuant to 20 NMAC 3.1 Subpart 1403 (NORM). All loads of these wastes received at the facility shall be accompanied by a "Generator Certificate of Waste Status" signed by the generator.
  - b. "Non-hazardous" non-exempt oilfield wastes that do not contain NORM. These wastes may be accepted on a case-by-case basis after a hazardous waste determination is made. Samples, if required, must be obtained from the wastes prior to removal from the generator's facility and without dilution in accordance with EPA SW-846 sampling procedures. All "non-hazardous" non-exempt wastes received at the facility shall be accompanied by:
    - i. An approved OCD Form C-138 "Request For Approval To Accept Solid Waste."
    - ii. A "Generator Certificate of Waste Status" signed by the generator.

- iii. A verification of waste status issued by the appropriate agency, for wastes generated outside OCD jurisdiction. The agency verification is based on specific information on the subject waste submitted by the generator and demonstrating the exempt or non-hazardous classification of the waste.
- c. Non-oilfield wastes that are non-hazardous if ordered by the Department of Public Safety in a public health emergency. OCD approval must be obtained prior to accepting the wastes.
2. At no time may any OCD-permitted surface waste management facility accept wastes that are hazardous by either listing or characteristic testing.
3. No free liquids or soils with free liquids may be accepted into the landfarm facility.
4. The transporter of any wastes to the facility must supply a certification that wastes delivered are those wastes received from the generator and that no additional materials have been added.

#### **TREATMENT ZONE MONITORING**

1. A treatment zone, not to exceed three (3) feet beneath the landfarm native ground surface will be monitored. A minimum of one random soil sample will be taken from each individual cell, with no cell being larger than five (5) acres, six (6) months after the first contaminated soils are received in the cell and then quarterly thereafter. The sample will be taken at two (2) to three (3) feet below the native ground surface.
2. The soil samples will be analyzed using EPA-approved methods for total petroleum hydrocarbons (TPH) and volatile aromatic organics (BTEX) quarterly and for major cations/anions and Water Quality Control Commission (WQCC) metals annually.
3. After the soil samples are obtained, the boreholes will be filled with an impermeable material such as cement or bentonite.

#### **REPORTING**

1. Results of the biweekly facility inspection and maintenance, including inspection of the concrete mixing impoundment, must be recorded and maintained for OCD review. The OCD Santa Fe and Hobbs District office must be notified within 48 hours if any defect is noted.

2. Results of the worker safety H<sub>2</sub>S screening must be recorded and maintained for OCD review.
3. Analytical results from the treatment zone monitoring will be submitted to the OCD Santa Fe office within thirty (30) days of receipt from the laboratory.
4. Analytical results regarding remediated soil must be submitted to the OCD Santa Fe office with a copy to the Hobbs District office, along with any request to close the cell, apply successive lifts or remove the remediated material.
5. Gandy Marley Inc. must notify the **OCD Santa Fe and Hobbs District office within 24 hours** of any fire, break, leak, spill, or blowout or any other circumstance that could constitute a hazard or contamination in accordance with OCD Rule 116.
6. Comprehensive records of all material disposed of at the facility must be maintained at the facility. The records for each load must include: 1) generator; 2) origin; 3) date received; 4) quantity; 5) certification of waste status as exempt or non-exempt with any necessary supporting documentation to certify non-hazardous status for non-exempt waste; 6) NORM status declaration; 7) transporter; 8) exact cell location; and 9) any addition of microbes, moisture, fertilizers, etc.
7. The OCD must be notified prior to the installation of any pipelines or wells or other construction within the boundaries of the facility.
8. All records of testing and monitoring must be retained for a period of five (5) years.

#### **FINANCIAL ASSURANCE**

1. Financial assurance in the amount of \$82,917 (the estimated cost-of closure) in the form of a surety or cash bond or a letter of credit, which is approved by the Division, is required from Gandy Marley, Inc. for the commercial surface waste management facility.

By November 22, 1999 Gandy Marley, Inc must submit financial assurance in the amount of \$25,000.

By November 22, 2000 or when the facility is filled to 50% of the permitted capacity, whichever comes first, Gandy Marley, Inc must submit financial assurance in the amount of \$41,458.

By November 22, 2001 or when the facility is filled to 75% of the permitted capacity, whichever comes first, Gandy Marley, Inc must submit financial assurance in the amount of \$62,187

By November 22, 2002 or when the facility is filled to 100% of the permitted capacity, whichever comes first, Gandy Marley, Inc must submit financial assurance in the amount of \$82,917.

2. The facility is subject to periodic inspections by the OCD. The conditions of this permit and the facility will be reviewed no later than five (5) years from the date of this approval. In addition, the closure cost estimate will be reviewed according to prices and remedial work estimates at the time of review. The financial assurance may be adjusted to incorporate any closure cost changes.

### **CLOSURE**

1. The OCD Santa Fe and Hobbs District offices must be notified when operation of the facility is discontinued for a period in excess of six (6) months or when the facility is to be dismantled. Upon cessation of landfarming operations for six (6) consecutive months, the operator shall complete cleanup of constructed facilities and restoration of the facility site within the following six (6) months, unless an extension of time is granted by the Director.
2. A closure plan to include the following procedures must be submitted to the OCD Santa Fe office for approval:
  - a. When the facility is to be closed no new material will be accepted.
  - b. Existing landfarm soils will be remediated until they meet the OCD standards in effect at the time of closure.
  - c. The soils beneath the landfarm cells will be characterized as to the total petroleum hydrocarbons (TPH) and volatile aromatic organics (BTEX) content in order to determine potential migration of contamination beneath the facility.
  - d. Contaminated soils exceeding OCD closure standards for the site will be removed or remediated.
  - e. The area will be contoured, seeded with native grasses and allowed to return to its natural state. If the landowner desires to keep existing structures, berms, or fences for future alternative uses the structures, berms, or fences may be left in place.
  - f. Closure will be pursuant to all OCD requirements in effect at the time of closure, and any other applicable local, state and/or federal regulations.



**CERTIFICATION**

Gandy Marley, Inc., by the officer whose signature appears below, accepts this permit and agrees to comply with all terms and conditions contained herein. Gandy Marley, Inc., further acknowledges that these conditions and requirements of this permit may be changed administratively by the Division for good cause shown as necessary to protect fresh water, human health and the environment.

Accepted:

GANDY MARLEY, INC.

Signature *[Signature]* Title *VP* Date *10/1/99*