

**NM1 - 45**

**APPROVED  
BACKGROUND  
SAMPLING  
PLAN**

**May 17, 2016**

State of New Mexico  
Energy, Minerals and Natural Resources Department

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Susana Martinez  
Governor

David Martin  
Cabinet Secretary

Tony Delfin  
Deputy Cabinet Secretary

David R. Catanach, Division Director  
Oil Conservation Division



May 17, 2016

Danny Watson  
Jay Dan Landfarm LLC  
P.O. Box 632  
Lovington, New Mexico 88260

**Re: Background Sampling Plan Review  
Jay Dan Landfarm, LLC  
Permit NM1-045  
Location: Unit E of Section 32, Township 15 South, Range 35 East, NMPM  
Lea County, New Mexico**

Dear Mr. Watson:

The Oil Conservation Division (OCD) has completed the review of Jay Dan Landfarm LLC's (Jay Dan) submittal, dated October 26, 2015 and received by OCD on February 12, 2016, which proposes a background sampling plan to re-establish a new facility background and PQLs in order to compare to the vadose zone monitoring results to determine if a release had occurred and if follow-up actions of 19.15.36.15.E.(5) NMAC are required to be completed.

Based on the information provided in the request, the background sampling plan is hereby approved with the following understandings and conditions:

1. Jay Dan shall comply with all applicable requirements of the Oil and Gas Act (Chapter 70, Article 2 NMSA 1978), and all conditions specified in this approval and shall operate in accordance with the October 26, 2015 submittal;
2. Jay Dan shall utilize an equivalent method to EPA Method 418.1 that is capable of demonstrating a carbon range from C<sub>6</sub> to C<sub>36</sub> (e.g. Method 8015 for GRO/DRO/MRO or ORO). Jay Dan shall ensure that appropriate reporting limits are utilized. A typical reporting limit for EPA Method 418.1 is 20 mg/kg; and
3. Jay Dan shall obtain written approval from OCD prior to implementing any changes to the October 26, 2015 background sampling plan.

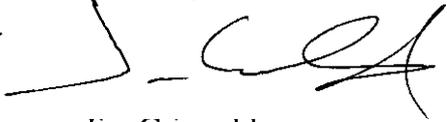
Please be advised that approval of this request does not relieve Jay Dan of liability should operations result in pollution of surface water, ground water or the environment. Nor does

Jay Dan Landfarm, LLC  
Permit NM1-045  
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approval relieve Jay Dan of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If there are any questions regarding this matter, please do not hesitate to contact Brad Jones on my staff at (505) 476-3487 or [brad.a.jones@state.nm.us](mailto:brad.a.jones@state.nm.us).

Sincerely,

A handwritten signature in black ink, appearing to read "J. Griswold", with a stylized flourish at the end.

Jim Griswold  
Environmental Bureau Chief

JG/baj

cc: OCD District I Office, Hobbs  
John Harrison, Cottonwood Holdings LLC, 1008 Mesa Verde, Hobbs, NM 88240

JAY DAN LANDFARM, LLC

NM1-045

P.O. BOX 632

LOVINGTON, NM 88260

RECEIVED OGD

2016 FEB 12 P 2: 14

10/26/2015

NMOCD Environmental  
ATTN: Mr. Brad Jones  
1220 South St. Francis Drive  
Santa Fe, NM 87505

RE: Jay Dan Landfarm - Background Proposal 1.1

Mr. Jones:

Please find enclosed a copy of our Proposal to sample for a new background. A satellite photo of the area has been included and the proposed sample areas have been identified by orange markers on the photo.

If you have any questions feel free to contact me. I appreciate your time and continued cooperation with us.

Thanks,



Danny Watson, Owner/Operator  
Box 632  
Lovington, NM 88260  
575-631-3482

# Background Proposal

Prepared for: Jay Dan Landfarm  
Prepared by: John Harrison, Consultant

October 26, 2015  
Proposal number: 001.1

# Summary

## Objective

The objective of this proposal is to establish a new background for comparison of sampling data for Jay Dan Landfarm (NM-0045). This new background, if acceptable, will be used to substantiate sampling results and confirm if a release has occurred above the acceptable limits.

## Action Plan

1. Jay Dan plans to establish a new "Background" analytical to compare our Vadose sampling. The Vadose sample will be compared to the new background or the PQL from the laboratory, whichever is greater, to determine if a release has occurred. If it is determined a release of BTEX, TPH or Chloride has occurred, subsequent steps will be taken to comply with NMAC 19.15.36.15.E(5). Notification of the potential release will be made to the OCD, then a minimum of four randomly selected independent samples will be collected and analyzed for TPH, BTEX, Chloride and the constituents listed in subsection A and B of NMAC 20.6.2.3103. The results of these samples will be submitted to the OCD within 45 days after receipt from the lab. With these results, additional actions to remediate and/or prevent future contamination will be proposed.
2. The background sampling will consist of four separate locations, NE, SE, NW, SW corners of the landfarm area to make one composite sample. The samples will be taken from areas that have been un-impacted from previous landfarm operations or activities. These samples shall be collected at a depth of two feet. Backfill of the sample holes will be made with bentonite or native clay.
3. The sample will be analyzed for BTEX, TPH (418.1), major cations & anions (Calcium, Sodium, Magnesium, Potassium, & Bicarbonate, Chloride, Fluoride, Nitrates, Nitrites, Sulfate respectively) and all constituents listed in subsection A and B of NMAC 20.6.2.3103.
4. Sample locations will be documented with photos and GPS for verification.
5. Once the analytical results are received from the laboratory, copies will be distributed to Jay Dan for review. After review and it is determined that this background is reportable and representative of the background, copies will be submitted to OCD.
6. Once OCD has reviewed and accepts the new background data, Jay Dan will use this information, "Background" and PQL provided by the laboratory for future Vadose zone comparisons.



Google earth

feet  
meters

