

**NM1 - \_\_\_\_34\_\_\_\_**

**APPROVED  
BACKGROUND  
SAMPLING  
PLAN**

**\_\_\_\_Sept. 2015\_\_\_\_**

State of New Mexico  
Energy, Minerals and Natural Resources Department

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**Susana Martinez**  
Governor

**David Martin**  
Cabinet Secretary

**Brett F. Woods, Ph.D.**  
Deputy Cabinet Secretary

**David R. Catanach, Division Director**  
Oil Conservation Division



September 21, 2015

Mr. Jimmie B. Cooper  
DD Landfarm  
P.O. Box 36  
Monument, New Mexico 88265

**Re: Background Sampling Plan Review  
DD Landfarm  
Permit NM1-034  
Location: W/2 W/2 of Section 31, Township 21 South, Range 39 East, NMPM,  
Lea County, New Mexico**

Dear Mr. Cooper:

The Oil Conservation Division (OCD) has completed the review of DD Landfarm's (DD) submittal, dated August 18, 2015 and received by OCD on August 31, 2015, 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:

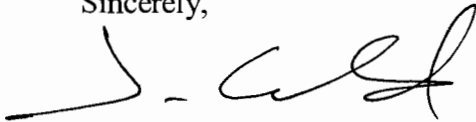
1. DD shall comply with all applicable requirements of the Oil and Gas Act (Chapter 70, Article 2 NMSA 1978), and all conditions specified in this approval and shall operate in accordance with the August 18, 2015 submittal; and
2. DD shall obtain written approval from OCD prior to implementing any changes to the August 18, 2015 background sampling plan.

Please be advised that approval of this request does not relieve DD of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve DD of its responsibility to comply with any other applicable governmental authority's rules and regulations.

Mr. Cooper  
DD Landfarms  
Permit NM1-034  
September 21, 2015  
Page 2 of 2

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  
      Eddie Seay, Eddie Seay Consulting, Hobbs, NM 88242

August 18, 2015

RECEIVED

2015 AUG 18 PM 3:09

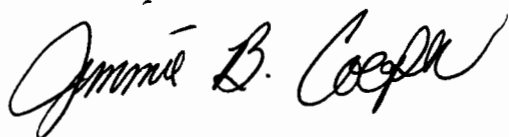
NMOCD Environmental  
ATTN: Brad Jones  
1220 S. Saint Francis Drive  
Santa Fe, NM 87505

RE: DD Landfarm  
Background Plan

Mr. Jones:

We have reviewed the plan to re-establish a new background to be compared to our Vadose Zone sampling. Even though we have a background, we do agree with the plan as required.

If you have any questions, please call.

A handwritten signature in black ink, reading "Jimmie B. Cooper". The signature is fluid and cursive, with the first name "Jimmie" being the most prominent.

Jimmie B. Cooper, Owner  
DD Landfarm  
Box 36  
Monument, NM 88265  
254-493-9082

August 2015

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

RE: DD Landfarm  
Work Plan  
Establish New Background

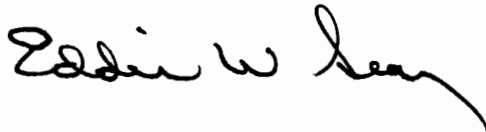
Mr. Jones:

Find attached "Work Plan" to re-establish a background analytical that can be compared to all the analytical required. Attached to plan is a Google map of the site with proposed sampling locations and locations of cells.

If this meets your approval and after receiving the same, we will sample as plan outlines.

We appreciated your continued help.

Thanks,

A handwritten signature in black ink, appearing to read "Eddie W. Seay". The signature is fluid and cursive, with a long, sweeping underline.

Eddie W. Seay, Agent  
Eddie Seay Consulting  
601 W. Illinois  
Hobbs, NM 88242  
575-392-2236  
[seay04@leaco.net](mailto:seay04@leaco.net)

cc: DD Landfarm - J.B. Cooper

## **PLAN OF ACTION NEW BACKGROUND TO COMPARE WITH PQL**

1. DD plans to establish a new “Background” analytical to compare to our Vadose sampling. The “Background” analytical will consist of sampling for BTEX, TPH, Major Cations and Anions along with part A & B of 20.6.2.3103 NMAC. 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, move forward and comply with 19.15.36.15. E5 NMAC. First notify the OCD of the potential release, then collect and analyze a minimum of four randomly selected independent samples and test for TPH, BTEX, Chloride and the constituents listed in subsection A and B of 20.6.2.3103 NMAC. Submit the results of the sampling to the OCD within 45 days of receiving the lab. With these results we will set forth a plan for action, to either remediate and/or prevent future contamination.
2. The background sampling will be one composite sample of four separate discrete locations North, South, East and West of the landfarm area to make one composite sample. The sample holes will be from area unimpacted from any previous operations, sampling at a depth of two feet. After sampling, all sample holes will be backfilled with bentonite or red clay.
3. The sample will consist of analyzing for BTEX, TPH (418.1), Major Cations, Anions and all of part A & B of 20.6.2.3103 NMAC.
4. Document samples, which consist of BTEX, TPH, Major Cations (calcium, sodium, magnesium, and potassium) and Major Antions (bicarbonate, chloride, fluoride, nitrates, nitrites, and sulfate) along

with part A & B of 20.6.2.3103 NMAC. Along with photos of test sites, GPS locations and a Google aerial showing the landfarm and location of test points.

5. Once the analytical is received from lab, copies will be given to DD for review, and only after DD and myself have reviewed and DD decides it is reportable and representative of background, copies will be submitted to OCD.
6. Once OCD has reviewed and accepts the new data, DD will use this information, "Background" and the PQL provided by the laboratory for future Vadose zone comparisons.



Google earth

feet  
meters

1000

400



● Sampling Points