

NM2 - 12

# APPROVALS

YEAR(S):  
2009

**Hansen, Edward J., EMNRD**

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**From:** Hansen, Edward J., EMNRD  
**Sent:** Wednesday, June 24, 2009 9:18 AM  
**To:** Rodney G Bailey - Chevron  
**Cc:** Mark Larson; Johnson, Larry, EMNRD; VonGonten, Glenn, EMNRD; Jones, Brad A., EMNRD; 'Michelle Green'  
**Subject:** RE: Sampling Plan for Chevron Landfarm NM-02-0012

**RE: Sampling Plan Approval  
for the Chevron's Landfarm (OCD Permit #NM-02-0012)  
Section 3, T24S, R36E, Lea County, New Mexico**

Dear Mr. Bailey:

The New Mexico Oil Conservation Division (OCD) has received the soils sampling plan for the above-referenced site, dated June 24, 2009, and has conducted a review of the plan. The plan substantially meets the requirements of 19.15.36 NMAC. Therefore, the OCD hereby conditionally approves the plan:

Chevron must submit the report of the sampling results to the OCD within 90 days of the sampling event.

Please be advised that OCD approval of this sampling plan does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

If you have any questions regarding this matter, please contact me at 505-476-3489.

Edward J. Hansen  
Hydrologist  
Environmental Bureau

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**From:** Michelle Green [mailto:michelle@laenvironmental.com]  
**Sent:** Wednesday, June 24, 2009 6:58 AM  
**To:** Hansen, Edward J., EMNRD; Jones, Brad A., EMNRD; VonGonten, Glenn, EMNRD; Johnson, Larry, EMNRD  
**Cc:** Rodney G Bailey - Chevron; Mark Larson  
**Subject:** Sampling Plan for Chevron Landfarm NM-02-0012

Dear Mr. Hansen:

Larson & Associates, Inc. (LAI), on behalf of Chevron North America Exploration and Production Company (Chevron), submits this Sampling Plan to the "Update Report for Chevron North America Exploration and Production SWMF NM-02-0012" report (dated May 29, 2009).

Chevron proposes the following:

- § Collect a minimum of 10, 5-part composite background samples, north of the utilized cells to establish a representative baseline. The samples will be collected at varying depths six (6) inches below ground surface.

The samples will be analyzed for Chloride and metals (to include arsenic, barium, chromium, iron, lead, selenium, mercury and zinc).

- § Each boring location for the background samples will be recorded.
- § The Student's *t*-test will be applied to the background samples. A 95% level of confidence will be applied.
- § The vadose zone (3-4') for Cells 17, 18 & 26 will be sampled for Barium. Chlorides will also be analyzed for Cells 17 & 18. The final results will be compared to the background sample.
- § The sampling for the treatment zone will not be performed. Treatment zone sampling is to be performed on a semi-annual basis per NM OCD Part 36.
- § A report of the results of the vadose zone and background samplings will be submitted to the OCD for review, including a plan for additional work, if necessary.
- § A closure notice and plan will submitted to NM OCD for review and approval.
- § Bi-weekly tilling will continue.
- § Sampling to begin Thursday, June 25 through June 26, 2009.

Please let me know if the sampling plan is satisfactory and meets the requirements set forth in our conversations. If you have any questions or require additional information please contact Mr. Rodney Bailey with Chevron at (432) 894-3519 or via email [bailerg@chevron.com](mailto:bailerg@chevron.com) or myself at (432) 687-0901 or via email [michelle@laenvironmental.com](mailto:michelle@laenvironmental.com).

Thank you,

Michelle L. Green  
**Larson & Associates, Inc.**  
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