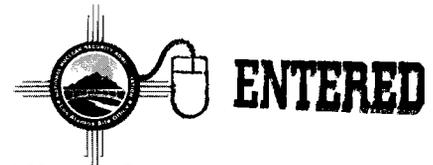
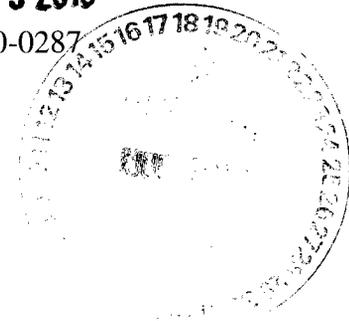


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Date: **JUL 19 2010**
Refer To: EP2010-0287



James Bearzi, Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303

Subject: Submittal of the June 2010 Monthly Progress Report Corrective Measures Study/Corrective Measures Implementation for Consolidated Unit 16-021(c)-99

Dear Mr. Bearzi:

Enclosed are two hard copies with electronic files of the June 2010 Monthly Progress Report Corrective Measures Study/Corrective Measures Implementation for Consolidated Unit 16-021(c)-99. The report is submitted according to the approved corrective measures study plan for Consolidated Unit 16-021(c)-99.

If you have questions, please call John McCann at (505) 665-1091 (jmccann@lanl.gov) or Woody Woodworth at (505) 665-5820 (lwoodworth@doeal.gov).

Sincerely,

Sincerely,


Michael J. Graham, Associate Director
Environmental Programs
Los Alamos National Laboratory


George J. Rael, Manager
Environmental Projects Office
Los Alamos Site Office



MG/GR/DM/JM/DH:sm

Enclosures: Two hard copies with electronic files – June 2010 Monthly Progress Report
Corrective Measures Study/Corrective Measures Implementation for
Consolidated Unit 16-021(c)-99 (LA-UR-10-3971)

Cy: (w/enc.)
Neil Weber, San Ildefonso Pueblo
Woody Woodworth, DOE-LASO, MS A316
Cheryl Rodriguez, DOE-LASO, MS A316
John McCann, EP-CAP, MS M992
RPF, MS M707 (two CDs)
Public Reading Room, MS M992

Cy: (Letter and CD only)
Laurie King, EPA Region 6, Dallas, TX
Steve Yanicak, NMED-DOE-OB, MS M894
Kristine Smeltz, EP-BPS, MS M992

Cy: (w/o enc.)
Tom Skibitski, NMED-OB, Santa Fe, NM
Annette Russell, DOE-LASO (date-stamp copy emailed)
Dave McInroy, EP-CAP, MS M992
Michael J. Graham, ADEP, MS M991
IRM-RMMSO, MS A150 (date-stamp copy emailed)

Monthly Progress Report
Corrective Measures Study (CMS)/Corrective Measures Implementation (CMI) for
Consolidated Unit 16-021(c)-99
June 2010

This report summarizes Los Alamos National Laboratory (LANL) activities completed during June of fiscal year 2010 on the CMS/CMI for Consolidated Unit 16-021(c)-99, the Technical Area 16 (TA-16) 260 Outfall. Activities outlined in the CMS plan ([LA-UR-98-3918] approved by the New Mexico Environment Department [NMED] Hazardous Waste Bureau on 9/8/99) and other related activities are described herein.

Description of Activities and Contacts – An informal meeting with Michael Dale of NMED was held on June 2, 2010. The meeting focused on the proposed tracer test at TA-16. LANL requested that decisions regarding the need for the tracer test be deferred until completion of the R-25b and CdV-16-4ip pumping tests. NMED agreed with this suggestion.

Best Management Practices (BMPs) – BMPs are inspected quarterly and following significant precipitation events. Several small precipitation events occurred in June, but none exceeded 0.5 in. BMPs were maintained in both the 260 Outfall and PRB installation area in support of the CMI.

CMS Hydrogeologic Investigations – Hydrogeologic investigations include periodic water sampling as outlined in the Phase II Resource Conservation and Recovery Act facility investigation (RFI) work plan as well as continuing investigations delineated in the CMS plan. The ongoing spring sampling program, currently focused on capturing high-flow events, includes biannual sampling at Martin, SWSC, and Burning Ground Springs. These activities are now conducted under the auspices of LANL's interim facility-wide groundwater monitoring plan.

Flow in the TA-16 canyons decreased in June; however, localized surface flow is present in mesa-top drainages. Martin Spring is flowing at a rate of >0.1 L/s, Burning Ground Spring is flowing at a rate of < 1.5 L/s, and SWSC Spring is flowing at a rate of < 0.3 L/s.

The 90s Line Pond is dry. Surface water is present in Cañon de Valle from upstream of the outfall channel to beyond the former location of Material Disposal Area P.

RFI and CMS/CME for Surface System – These activities have been completed.

RFI/Investigation Report and CMS/Corrective Measures Evaluation (CME) for Deep Groundwater – Well R-25c, completed in September 2008, is not producing water. Well R-25b was drilled and completed in October 2008. The well completion report for R-25c was submitted in September 2008, and the well completion report for R-25b was submitted in October 2008.

LANL submitted the “Work Plan for Replacement Well R-25” on June 18, 2010.

The status of aluminum under potential NPDES permits for the storm-filter systems is problematic, as noted above in the CMI section.

Bentonite present in R-47 necessitated completion of this well as an intermediate well. A new deep well may be required at this site.

Key Personnel Issues – None

Projected Work for July 2010

BMPs

- Continue to inspect existing BMPs following significant precipitation events
- Inspect new BMPs to support CMI

CMS Hydrogeologic Investigations

- Maintain site at the TA-16 trailers
- Check for presence and levels of water in Cañon de Valle alluvial system
- Continue to monitor precipitation

Groundwater CME/CMI

- Mobilize equipment (anticipated to begin early July) and initiate drilling at CdV-16-4ip

CMI

- Continue NPDES permitting discussions with EPA
- Continue monitoring water levels in PRB wells
- Continue sampling PRB wells and treatment vessel
- Continue site restoration and waste management activities at CMI remedy sites

Public and Stakeholder Involvement – None