



TA 16



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Date: July 12, 2006
Refer to: EP2006-0654

Mr. John Young
Permits Management Program
NMED – Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303



SUBJECT: JUNE 2006 MONTHLY PROGRESS REPORT FOR THE CORRECTIVE MEASURES STUDY FOR POTENTIAL RELEASE SITE 16-021(c)-99

Dear Mr. Young:

Enclosed are two hard copies, with electronic files on CD, of the June 2006 monthly progress report for the corrective measures study (CMS) for Potential Release Site (PRS) 16-021(c)-99, the 260 Outfall. The report is submitted according to the approved CMS plan for PRS 16-021(c)-99.

If you have questions, please call Don Hickmott at (505) 667-8753 (dhickmott@lanl.gov) or Woody Woodworth at (505) 665-5820 (lwoodworth@doeal.gov).

Sincerely,

Andrew Phelps, Associate Director
Environmental Programs
Los Alamos National Security, LLC

Sincerely,

David Gregory, Federal Project Director
Department of Energy
Los Alamos Site Office



AP/DG/DH/jr

Enclosure: Two hard copies with electronic files of the June 2006 monthly progress report for the corrective measures study (CMS) for Potential Release Site (PRS) 16-021(c)-99 (EP2006-0656)

Cy: (w/enc)

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Monthly Progress Report
Corrective Measures Study (CMS) for Potential Release Site (PRS) 16-021(c)-99
June 2006

This report summarizes Los Alamos National Laboratory (LANL) activities completed during June of fiscal year (FY) 2006 on the CMS for PRS 16-021(c)-99, the TA-16-260 Outfall. Both the activities described in the CMS plan ([LA-UR-98-3918], approved by NMED-HWB on 9/8/99), and other related activities are described herein.

Description of Activities and Contacts

High Performing Team (HPT) Activities – The HPT met on June 19, 2006. Topics of discussion included: 1) an update on the TA-16-260 hydrologic system; 2) a discussion of the May 15, 2006 Public Notice on the TA-16-260 remedy selection; 3) a discussion of the TA-16-260 ponds drilling letter, and 4) discussion of the Investigation Report for TA-16-260 groundwater.

LANL personnel provided an update on the status of the hydrogeologic system in Cañon de Valle. It was noted the system has dried out due to the lack of precipitation during the past months. It was noted quarterly sampling would be in late July with a goal of capturing high flow associated with the summer monsoons. Further details on the status of the hydrogeologic system are provided below and in the May CMS monthly report.

The HPT discussed the May 15, 2006 Public Notice on the TA-16-260 remedy selection. NMED personnel noted they had not yet received any public comments. LANL noted that LANL legal had identified an issue associated with dual regulation under both the Permit and Order, and there would be a comment on this topic forthcoming prior to the July 14, deadline for comments. The HPT was in agreement the technical arguments presented in the Public Notice were acceptable to all.

NMED noted they had received the May 27, 2006 letter concerning additional boreholes in the TA-16-260 pond area. There was general agreement on the location of these boreholes, although NMED suggested the southeast borehole might be moved to a location south of the outfall or an additional borehole might be located in that area. NMED will provide comments on this letter in future correspondence.

The latest outline for the Investigation Report (IR) for TA-16-260 groundwater was discussed. LANL noted: 1) New Mexico Water Quality Commission and Environmental Protection Agency (EPA) groundwater standards would be used for data screening; 2) there would be quite a lot of detail on geology in the IR; 3) the report would present data for the CDV wells in detail, but would analyze the data for other downgradient wells in the discussions of nature and extent of contamination; 4) an RDX inventory would be presented; 5) groundwater modeling would not be included in the IR, but rather would be included in the CME report; 6) a separate section on site-conceptual models would be included; 7) recommendations would include leaving borehole CDV-3(i) as a possible future monitoring well and reducing monitoring to a biannual schedule; and 8) as much

1. A study of the passive barrier technology of Stormwater Management, Inc., potentially useful for removing HE and barium from waters (LANL). Monitoring of barrier effectiveness has recommenced after several quarters of drought conditions during which Martin spring was dry.
2. A study of in situ anaerobic bioremediation of HE using gas-phase carbon additions (Pantex).
3. Oxidation, reduction, and in-situ bioremediation studies of groundwater contamination (Pantex).

Interim Measure (IM) –

The IM Report was approved by NMED in a letter dated January 13, 2003. No new activities occurred during this reporting period.

RFI and CMS Reports –

The CMS Report was completed and submitted to NMED on November 26, 2003; the RFI Report was completed and submitted in September of 2003. A response to the NOD on the RFI Report was submitted on January 28, 2004 and an addendum to that NOD response was submitted on February 25, 2004. An approval with modifications for the RFI was received on June 23, 2004, and a response to the approval was submitted to NMED on July 23, 2004. The RFI text modifications were completed during December 2004 and submitted to NMED. An NOD on the CMS Report was received on May 16, 2005. A response to that NOD was submitted on June 15, 2005. LANL has responded to several recent NMED queries concerning the CMS Report.

NMED issued the “Intent to Public Notice Remedy Selection for the Solid Waste Management Unit 16-021(c)” on May 15, 2006.

Work on additional sections for the Investigation Report for TA-16 groundwater due in August 2006 are continuing. This document was submitted for LANL peer review in June.

Public and Stakeholder Involvement – A presentation to the CAB was made on June 14, 2006

Percentage of CMS Completed

LANL estimates 100% of the surface CMS has been completed (please note this percentage does not reflect either the deep or intermediate boreholes being drilled per the CMS plan addendum).

Problems Encountered/Actions to Rectify Problems

None.