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Date: FEB 26 2010
Refer To: EP2010-0109

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 Documentation of Borehole 16-608154 Abandonment

Dear Mr. Bearzi:

As requested in the Notice of Approval for the Supplemental Investigation Report for Consolidated Units 16-007(a)-99 and 16-008(a)-99 at Technical Area 16, Los Alamos National Laboratory (HWB-LANL-10-008), dated February 16, 2010, Item No. 4, we are providing documentation of borehole 16-608154 abandonment. Abandonment of this borehole was completed on February 1-2, 2010, and the borehole was backfilled with a high-solids bentonite grout.

Attached please find two hard copies with electronic files of the completed monitoring well and borehole abandonment form and daily field reports.

If you have any questions, please contact John McCann at (505) 665-1091 (jmccann@lanl.gov).

Sincerely,

Dave McNroy, Program Director
Corrective Actions Program
Environmental Programs
Los Alamos National Laboratory



MG/DM/JM:sm

Attachment: Two hard copies with electronic files – Documentation of the Completed Monitoring Well and Borehole Abandonment Form and Daily Field Reports (LA-UR-10-1134)

Cy: (w/att.)

Laurie King, EPA Region 6, Dallas, TX
Steve Yanicak, NMED-DOE-OB, MS M894
Neil Weber, San Ildefonso Pueblo
Woody Woodworth, DOE-LASO, MS A316
John McCann, EP-CAP, MS M992
RPF, MS M707 (with two CDs)
Public Reading Room, MS M992
Kristine Smeltz, EP-WES, MS M992

Cy: (w/o att.)

Tom Skibitski, NMED-OB, Santa Fe, NM
Annette Russell, DOE-LASO (date-stamped letter emailed)
Michael J. Graham, ADEP, MS M991
Dave McInroy, EP-CAP, MS M992
IRM-RMMSO, MS A150 (date-stamped letter emailed)

Daily Field Report

Implementation of the July 2007 Corrective Measures Implementation Plan for Consolidated Unit 16-021(c)-99; and/or
Implementation of the Supplemental Investigation Work Plan (IWP) for Consolidated Units 16-007(a)-99 and 16-008(a)-99 at Technical Area 16

Date: February 1, 2010 0900-1715

Personnel: Kevin Reid, Andrew Stocker (TPMC); David Toney, Robert Husted (Precision Sampling); Lorenzo Martinez (SG Western)

CMI Activities:

PRB Alluvial Wells:

Drill rig and support equipment was demobed from Canon de Valle.

260 Outfall Drainage Cover

The backhoe, water truck, and compactor were demobed from the site. All equipment was HE spot tested and Rad surveyed prior to release from TA-16.

16-007(a)-99, 16-008(a)-99 Activities:

Borehole abandonment began on the 300 ft borehole at 90's line pond. Approximately 500 gallons of grout was triemed into the borehole. This is about 200 gallons more than the calculated volume. The abandonment will resume on 2/2/10.

Plans for 2/2/10: Continue grouting the 300 ft borehole at the 90's line Pond.

Daily Field Report

Implementation of the July 2007 Corrective Measures Implementation Plan for Consolidated Unit 16-021(c)-99; and/or
Implementation of the Supplemental Investigation Work Plan (IWP) for Consolidated Units 16-007(a)-99 and 16-008(a)-99 at Technical Area 16

Date: February 2, 2010 0800-1500

Personnel: Kevin Reid, Andrew Stocker (TPMC); David Toney, Robert Husted (Precision Sampling)

CMI Activities:

PRB Alluvial Wells:

Weekly inspection of the <90 day storage area was completed.

16-007(a)-99, 16-008(a)-99 Activities:

Borehole abandonment was completed for the 300 ft borehole at 90's line pond. The drill crew was demobed from the site.

Plans for 2/3/10: No field work planned for the rest of the week.

ATTACHMENT 1: MONITORING WELL AND BOREHOLE ABANDONMENT INFORMATION

5034-1	Records Use only
Monitoring Well and Borehole Abandonment Information	
Date/Time: 2/1/10 - 2/4/10	Sheet <u>1</u> of <u>1</u>
Technical Area: 16	Focus Area (if applicable, or other location details): POND 90s Line
Borehole ID: 16-608154	Well Type (monitoring, etc.): Borehole
Site Work Plan: N/A	
Depth from Surface to Bottom of Hole: 300ft	
Grout Depth/Location: A+18 Line Pond High Solids Bentonite Clay Grout used for all 300ft.	
Bentonite Depth/Location: N/A	
Other Fill Material Depth/Location: N/A	
Surface Construction: N/A	
Grout/Backfill Composition: 35 bags ^(50#) of High Solids Bentonite Clay Grout (Bentonite + silica) ~ 700 Gallons	
Additional Comments/Details: 2/1/10 → ~300 gal grout or 22 50# bags emplaced 2/2/10 → Depth to Grout 150ft before additional 400 gallons (13 x 50# bags) emplaced	
Attach "Borehole/Well Completion Information Form" or the original "as-completed" drawings for the abandoned hole. - No BH completion diagram available. TD is 300ft, Diameter 5 1/2" 0-80ft bags → 2/4/10 Verified BH still grouted to surface 4" 50-30ft bags	

CONTROLLED DOCUMENT

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