ERID-250032

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RECEIVED
SEP 2013
NMED Hazardous Waste Bureau

Date: SEP 23 2013
Refer To: EP2013-0208

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

Subject: Response to Review of the Periodic Monitoring Report for Mortandad and Sandia Watersheds General Surveillance Monitoring Group, August 7– August 23, 2012, Los Alamos, New Mexico

Dear Mr. Kieling:

The New Mexico Environment Department (NMED) provided a comment on May 17, 2013, on the Mortandad and Sandia Watershed General Surveillance Monitoring Group, August 7–August 23, 2012, submitted in February 2013 by the U.S. Department of Energy (DOE) and Los Alamos National Security, LLC (LANS) (collectively, the Permittees). To facilitate review of the Permittees's response, NMED's comment is included verbatim, followed by the Permittees's response.

NMED Comment:

NMED noted an inconsistency with the alkalinity value reported for sample number CAMO-12-14035 in Table C (365 mg/L) and in the analytical laboratory's report provided in Attachment F (0.0375 mg/L). The Permittees must correct this inconsistency in all future periodic monitoring reports and within the INTELLUS database.

LANL Response:

The page from the analytical laboratory's report provided in Appendix F and a section of Table C-2, are presented below. The alkalinity values in the table in Appendix F of the periodic monitoring report and the table in Appendix C match. Therefore, no corrections to the Intellus database or future periodic monitoring reports are necessary.

Excerpt from Appendix F showing general chemistry results for sample CAMO-12-14035:

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: June 26, 2012

Company:	Los Alamos National Laboratory		
Address:	PO Box 1663 TA-03, SM271, Drop Pt 02U, Rm111 Los Alamos, New Mexico 87545		
Contact:	Keith Greene	Client SDG:	12-1330
Project:	LANL-WQH Water Samples		

Client Sample ID:	CAMO-12-14035	Project:	ESHL00210
Sample ID:	305251002	Client ID:	ARSL001
Matrix:	W		
Collect Date:	30-MAY-12 11:54		
Receive Date:	01-JUN-12		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Conductivity Analysis											
EPA120.1 Specific Conductivity "As Received"											
Conductivity		155	1.00	1.00	umhos/cm	1	TXT1	06/05/12	1621	1218489	1
Electrode Analysis											
EPA 150.1 pH "As Received"											
pH at Temp 16.5C	H	8.35	0.010	0.100	SU	1	LXA1	06/05/12	1457	1218084	2
Ion Chromatography											
EPA 300.0 Anions, Liquid, 28 day "As Received"											
Bromide	U	ND	0.067	0.200	mg/L	1	MAR1	06/08/12	0906	1217492	3
Chloride		2.35	0.067	0.200	mg/L	1					
Fluoride		0.353	0.033	0.100	mg/L	1					
Sulfate		2.75	0.133	0.400	mg/L	1					
Nutrient Analysis											
EPA 350.1 Nitrogen, Ammonia, L "As Received"											
Nitrogen, Ammonia	J	0.018	0.017	0.050	mg/L	1	KLP1	06/12/12	1251	1219048	4
EPA 353.2 Nitrogen, Nitrate-Nitrite "As Received"											
Nitrogen, Nitrate-Nitrite		0.570	0.085	0.250	mg/L	5	KLP1	06/06/12	1411	1217974	5
EPA 365.4 Phosphorus, Total, in "As Received"											
Phosphorus, Total as P	J	0.0375	0.017	0.050	mg/L	1	KLP1	06/14/12	1022	1218073	6
Solids Analysis											
EPA 160.1 Solids, Dissolved-F "As Received"											
Total Dissolved Solids		116	3.40	14.3	mg/L		LYG1	06/05/12	0952	1218215	7
Titration Analysis											
EPA 310.1 Total Alkalinity "As Received"											
Alkalinity, Total as CaCO3		365	0.725	1.00	mg/L		LXA1	06/04/12	1718	1217653	8
Carbonate alkalinity (CaCO3)		10.7	0.725	1.00	mg/L						

The following Prep Methods were performed.

Method	Description	Analyst	Date	Time	Prep Batch
EPA 350.2 Prep	EPA 350.1 Ammonia Nitrogen Prep	KLP1	06/12/12	1145	1219047
EPA 365.4 Prep	EPA 365.4 Phosphorus, Total, in liquid PR	KLP1	06/13/12	1530	1218072

Excerpt of Table C-2 showing alkalinity results for sample CAMO-12-14035:

Location	Date	EPA Method	Analyte	Analyte Code	Result	MDL	Unit	Request	Sample	Lab
R-34	05/30/12	310.1	Alkalinity-CO_3	ALK-CO_3	10.7	0.725	mg/L	12-1330	CAMO-12-14035	GELC
R-34	05/30/12	310.1	Alkalinity-CO_3+HCO_3	ALK-CO_3+HCO_3	365	0.725	mg/L	12-1330	CAMO-12-14035	GELC

If you have any questions, please contact Steve Paris at (505) 606-0915 (smparis@lanl.gov) or Hai Shen at (505) 665-5046 (hai.shen@nnsa.doe.gov).

Sincerely,

Jeff Mousseau, Associate Director
Environmental Programs
Los Alamos National Laboratory

Sincerely,

Peter Maggiore, Assistant Manager
Environmental Projects Office
Los Alamos Field Office

JM/PM/CD/SM:sm

Cy: Laurie King, EPA Region 6, Dallas, TX
Steven Rydeen, San Ildefonso Pueblo
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Hai Shen, DOE-NA-00-LA (date-stamped letter emailed)
Steve Paris, EP-CAP (date-stamped letter emailed)
Craig Douglass, EP-CAP (date-stamped letter emailed)
Jeff Mousseau, ADEP (date-stamped letter emailed)
Wendy Staples, EP-REG (date-stamped letter emailed)
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