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Date: September 14, 2007
Refer To: EP2007-0563

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

Subject: Response to the New Mexico Environment Department's Comments for the Periodic Monitoring Report for White Rock Watershed, September 11–22, 2006

Reference: Letter, Bearzi to Messrs. Gregory and McInroy, dated August 14, 2007

Dear Mr. Bearzi:

In the referenced letter that provided comments for the "Periodic Monitoring Report for White Rock Watershed, September 11–22, 2006," the New Mexico Environment Department (NMED) requested an explanation of why a polychlorinated biphenyl (PCB) sample was not collected as part of the periodic monitoring event described in that document for Spring 3A in Table 3.4-1. Upon investigation, LANL determined that Table 3.4-1 was incorrect, and PCB samples actually had been collected from Spring 3A during the reported periodic monitoring event. However, PCBs were not detected in the samples collected from Spring 3A and therefore would not have been included in the data appendix of the report. The PCB data are included in a table on page 3 of this letter. Please replace the Table 3.4-1 of the White Rock periodic monitoring report with the enclosed corrected table.

If you have any questions, please contact Robert King at (505) 667-2491 (rsking@lanl.gov) or Mat Johansen at (505) 665-5046 (mjohansen@doeal.gov).

Sincerely,

Susan G. Stiger, Associate Director
Environmental Programs
Los Alamos National Laboratory

Sincerely,

David R. Gregory, Project Director
Environmental Operations
Los Alamos Site Office

SGS/DRG/TBA/AMS:sm

Enclosure: Corrected Table 3.4-1, White Rock Watershed Periodic Monitoring Report Sampled
September 11-22, 2006 (LA-UR-07-3474)

Cy: (w/enc.)

Laurie King, EPA Region 6, Dallas, TX
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PCB Data from Spring 3A Samples Collected in White Rock Canyon

LOCATION	FIELD QUALITY CONTROL TYPE	ANALYTICAL SUITE	ANALYTE	DATE	SYMBOL	RESULT	DILUTION FACTOR	LABORATORY QUALIFIER CODE
Spring 3A	Field Duplicate	Pesticide/PCB	Aroclor-1016	9/18/2006	<	0.103	1	U
Spring 3A	—	Pesticide/PCB	Aroclor-1016	9/18/2006	<	0.105	1	U
Spring 3A	—	Pesticide/PCB	Aroclor-1221	9/18/2006	<	0.105	1	U
Spring 3A	Field Duplicate	Pesticide/PCB	Aroclor-1221	9/18/2006	<	0.103	1	U
Spring 3A	Field Duplicate	Pesticide/PCB	Aroclor-1232	9/18/2006	<	0.103	1	U
Spring 3A	—	Pesticide/PCB	Aroclor-1232	9/18/2006	<	0.105	1	U
Spring 3A	—	Pesticide/PCB	Aroclor-1242	9/18/2006	<	0.105	1	U
Spring 3A	Field Duplicate	Pesticide/PCB	Aroclor-1242	9/18/2006	<	0.103	1	U
Spring 3A	—	Pesticide/PCB	Aroclor-1248	9/18/2006	<	0.105	1	U
Spring 3A	Field Duplicate	Pesticide/PCB	Aroclor-1248	9/18/2006	<	0.103	1	U
Spring 3A	Field Duplicate	Pesticide/PCB	Aroclor-1254	9/18/2006	<	0.103	1	U
Spring 3A	—	Pesticide/PCB	Aroclor-1254	9/18/2006	<	0.105	1	U
Spring 3A	Field Duplicate	Pesticide/PCB	Aroclor-1260	9/18/2006	<	0.103	1	U
Spring 3A	—	Pesticide/PCB	Aroclor-1260	9/18/2006	<	0.105	1	U
Spring 3A	—	Pesticide/PCB	Aroclor-1262	9/18/2006	<	0.105	1	U
Spring 3A	Field Duplicate	Pesticide/PCB	Aroclor-1262	9/18/2006	<	0.103	1	U

U = Not Detected

Table 3.4-1 Observations and Deviations

Location	Deviation	Cause	Comments
Spring 10 and Spring 2B	No samples collected	Springs were dry.	Data will be collected for following White Rock PMR
Spring 5A, Spring 5B, and Spring 8	No samples collected	Springs under water.	Data will be collected for following White Rock PMR
Spring 9B	No samples collected	Area was inaccessible during sample event due to poison ivy at spring.	Data will be collected for following White Rock PMR
Spring 9	Cyanide sample not collected in field. Broken bottle	Field team did not collect cyanide sample during sampling.	Cyanide sample will be collected for following White Rock PMR
Doe Spring	High Explosives data not available.	Containers broken in shipping.	High explosive sample will be collected for following White Rock PMR
Ancho Spring, Doe Spring, La Mesita Spring, Sacred Spring, Spring 1, Spring 2, Spring 3, Spring 3A, Spring 3A, Spring 3AA, Spring 4, Spring 4A, Spring 4AA, Spring 4B, Spring 4C, Spring 5, Spring 6, Spring 6A, Spring 6AAA, Spring 7, Spring 8A, Spring 9, and Spring 9A	1,4-dioxane data by Method 8260 not available.	Data rejected in secondary validation for calibration problems.	Data are reported method 8270.
Spring 4AA, Spring 6, Spring 4A	Certain dioxin and furan results not available.	Data rejected due to an ion abundance ratio outside of method acceptance limits.	Laboratory no longer used for this analysis. Data from new laboratory will be reported following PMR schedule.
Sandia Spring and Spring 6	Silicon dioxide results not available	Silicon dioxide results rejected by secondary validation due to instrument calibration problems.	Instrument calibration issues will be covered in next laboratory audit.
Ancho Spring, Spring 5, Spring 6, Spring 6A, Spring 6AAA, Spring 7, Spring 8A, and Spring 9	Copper results not available.	Copper results rejected by secondary validation due to instrument calibration problems.	Instrument calibration issues will be covered in next laboratory audit.
Ancho Spring, Spring 3, Spring 3A, Spring 3AA, Spring 4, Spring 4A, Spring 4AA, Spring 4B, Spring 5, Spring 6, Spring 6A, Spring 6AAA, Spring 7, Spring 8A, and Spring 9	Total phosphate results not available.	Total phosphate results rejected by secondary validation due to instrument calibration problems.	Instrument calibration issues will be covered in next laboratory audit.

Location	Deviation	Cause	Comments
Spring 6A	MNX, DNX, and TNX results not available	Results rejected because the holding time was exceeded at the laboratory.	Samples will be collected during next scheduled sampling for this analysis at this location.
Spring 2 and Sandia Spring	Nitrate-Nitrite as N results not available.	Nitrate-Nitrite as N results rejected by secondary validation due to instrument calibration problems.	Instrument calibration issues will be covered in next laboratory audit.
Sandia Spring, Spring 1, Spring 2, and Spring 6AAA	Total Kjeldahl Nitrogen results not available.	Total Kjeldahl Nitrogen results rejected by secondary validation due to instrument calibration problems.	Instrument calibration issues will be covered in next laboratory audit.
Spring 4	Americium-241 results not available.	Americium-241 results rejected by secondary validation due to instrument calibration problems.	Instrument calibration issues will be covered in next laboratory audit.
Spring 6AAA and Sandia Spring	Plutonium-239/240 results not available.	Plutonium-239/240 results rejected by secondary validation due to instrument calibration problems.	Instrument calibration issues will be covered in next laboratory audit.
Sacred Spring, Sandia Spring, and Spring 1	Potassium-40 results not available.	Potassium-40 rejected by secondary validation due to instrument calibration problems.	Instrument calibration issues will be covered in next laboratory audit.
Spring 2 and Spring 3	Neptunium-237 results not available.	Neptunium-237 rejected by secondary validation due to sample matrix effects.	High turbidity may have caused matrix problems in this sampling round.
La Mesita Spring, Sacred Spring, Sandia Spring, Spring 1, and Spring 2	Benzidine results not available.	Benzidine rejected by secondary validation due to sample matrix effects.	High turbidity may have caused matrix problems in this sampling round.