



Associate Directorate for Environmental Management
P.O. Box 1663, MS M992
Los Alamos, New Mexico 87545
(505) 606-2337



Environmental Management
1900 Diamond Drive, MS M984
Los Alamos, New Mexico 87544
(505) 665-5658/FAX (505) 606-2132



Date: **AUG 24 2016**
Refer To: ADEM-16-5191
LAUR: on each PMR

Locates Action No.: n/a

John Kieling, 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 Periodic Monitoring Reports for Chromium Investigation, Technical Area 54, Technical Area 16 260, Pajarito General Surveillance, and Material Disposal Area AB Monitoring Groups

Dear Mr. Kieling:

Enclosed please find two hard copies with electronic files of the periodic monitoring reports (PMRs) for Chromium Investigation, Technical Area 54, Technical Area 16 260, Pajarito Watershed portion of General Surveillance, and Material Disposal Area AB monitoring groups, for sampling campaigns performed in the second and third quarters of monitoring year 2016. These PMRs are submitted in accordance with Appendix E, Section IV, of the June 2016 Compliance Order on Consent (Consent Order). Los Alamos National Laboratory is currently updating its data screening procedures to incorporate the updated screening levels in Section IX of the 2016 Consent Order. Therefore, the screening levels used in these PMRs are those specified in Section VIII.A and VIII.C of the March 2005 Consent Order.

The PMR for the Chromium Investigation monitoring group includes the correct low-level tritium value for the sample collected at SIMR-2 on February 18, 2016. This datum was reported incorrectly in the draft PMR that was sent to the Pueblo de San Ildefonso as a result of a database test conducted on March 21, 2016, that temporarily changed the low-level tritium value stored in the database. The Pueblo de San Ildefonso reviewed and approved the corrected PMR for release to the public on August 16, 2016. In doing so, the Pueblo requested information regarding measures that will be implemented to prevent a recurrence of this issue in the future. To prevent possible errors, validation testing will no longer be conducted in the "live" database environment as was done on February 18, 2016. Instead, new and existing database functionality will be performed within a "demo test site," and a formal procedure is currently being developed to control database test work. The procedure will require that a written plan be prepared and approved by the responsible project manager before tests are performed.

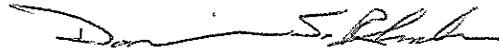
If you have any questions, please contact Steve Paris at (505) 606-0915 (smparis@lanl.gov) or Hai Shen at (505) 665-5046 (hai.shen@em.doe.gov).

Sincerely,



Bruce Robinson, Program Director
Environmental Remediation Program
Los Alamos National Laboratory

Sincerely,



David S. Rhodes, Director
Office of Quality and Regulatory Compliance
Environmental Management
Los Alamos Field Office

BR/DR/SP:sm

Enclosures: Two hard copies with electronic files:

- (1) Periodic Monitoring Report for Chromium Investigation Monitoring Group, Second Quarter, Monitoring Year 2016 (LA-UR-16-24402)
- (2) Periodic Monitoring Report for Technical Area 54 Monitoring Group, Third Quarter, Monitoring Year 2016 (LA-UR-16-26214)
- (3) Periodic Monitoring Report for Technical Area 16 260 Monitoring Group, Second Quarter, Monitoring Year 2016 (LA-UR-16-26187)
- (4) Periodic Monitoring Report for Pajarito General Surveillance Monitoring Group, Third Quarter, Monitoring Year 2016 (LA-UR-16-26289)
- (5) Periodic Monitoring Report for Material Disposal Area AB Monitoring Group, Second Quarter, Monitoring Year 2016 (LA-UR-16-26215)

Cy: (w/electronic enc.)

Laurie King, EPA Region 6, Dallas, TX
Raymond Martinez, San Ildefonso Pueblo
Dino Chavarria, Santa Clara Pueblo
Steve Yanicak, NMED-DOE-OB, MS M894
emla.docs@em.doe.gov
Cheryl Rodriguez, DOE-EM-LA
Robert Cygnarowicz, ADEM ER Program
Steve Paris, ADEM ER Program
Public Reading Room (EPRR)
PRS Database
ADESH Records

Cy: (w/o enc./date-stamped letter emailed)

lasomailbox@nnsa.doe.gov
Karen Armijo, DOE-NA-LA
Peter Maggiore, DOE-NA-LA
Kimberly Davis Lebak, DOE-NA-LA
Hai Shen, DOE-EM-LA
David Rhodes, DOE-EM-LA
Randy Erickson, ADEM
Jocelyn Buckley, ADESH-EPC-CP
Mike Saladen, ADESH-EPC-CP
John Bretzke, ADESH-EPC-DO
Michael Brandt, ADESH
William Mairson, PADOPS
Craig Leasure, PADOPS