



Environmental Programs

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Date: **AUG 30 2012**

Refer To: EP2012-0186

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, Los Alamos/Pueblo Watershed 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, Los Alamos/Pueblo Watershed General Surveillance, and Material Disposal Area AB monitoring groups. Submittal of these reports fulfills the reporting requirements of Section IV.A.3.b of the Compliance Order on Consent.

These reports include analytical results from samples collected from the latest periodic monitoring event (PME). Typically, isotope and low-level tritium results, results from reanalyses, and results under review by San Ildefonso Pueblo may not be available for inclusion in the PMRs and are reported in the monitoring group's subsequent PMR.

Los Alamos National Laboratory (the Laboratory) maintains a list of reported results, allowing identification of results that need to be included in each subsequent PMR. With the transition to the Laboratory's new Environmental Information Management (EIM) System, new unique record numbers were assigned to analytical results. However, Laboratory staff will need to populate previously reported results in EIM to ensure all unreported results are included in future PMRs.

Beginning with the subject PMRs, the Laboratory will prepare PMRs using the Laboratory's new EIM. In the first PMRs produced using the new EIMS, the Laboratory will identify results received before January 1, 2012, as having been reported. These pre-January 1, 2012, results will appear in the PMR appendixes but will not be specifically identified as previously unreported. For subsequent PMRs for a given monitoring group, results received after January 1, 2012, and not reported in an earlier PMR will be identified separately as previously unreported.

This new process does not leave any results unreviewed. The Laboratory's monthly review process ensures all results are subjected to a robust screening and reporting process as they are received regardless of whether they have been previously unreported in a PMR.

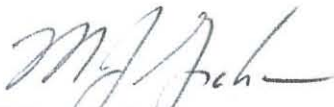
By agreement with the New Mexico Environment Department (NMED), the Laboratory is including primarily level 2 data packages with these reports. Level 4 data packages are included for data collected before March 2012. For future PMRs, the Laboratory will provide level 2 data packages for most data but will continue to provide level 4 data packages for results from some analytical laboratories (ARSL and Severn Trent, for example).

For data collected before March 2012, validation was conducted by an independent contractor, Analytical Quality Associates, Inc. After that date, validation has been completed by an automated process after the data are loaded into the Laboratory's new data management system. Once auto validation is complete, the data are migrated into the Laboratory's database system and the public database (<http://intellusnm.com/>). The data validation reports provided with this and subsequent PMRs for data collected after March 2012 are generated automatically.

With the transition to the Laboratory's new data management system, the process for preparing the PMRs has changed. Appendix D, "Groundwater Results Greater Than Half of Screening Levels," now contains fewer tables. The data presented in previous versions of Appendix D are still identified in either the current form of Appendix D or in Appendix C, "Analytical Chemistry Results, Including Results from Previous Four Monitoring Events if Available."

If you have 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,



Michael J. Graham, Associate Director
Environmental Programs
Los Alamos National Laboratory

Sincerely,



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

MG/PM/CD/SP/DR:sm

Enclosures: Two hard copies with electronic files:

- (1) Periodic Monitoring Report for Chromium Investigation Monitoring Group, March 5–March 13, 2012 (LA-UR-12-23898)
- (2) Periodic Monitoring Report for Material Disposal Area AB Monitoring Group, February 1–February 3, 2012 (LA-UR-12-23896)
- (3) Periodic Monitoring Report for Los Alamos and Pueblo Watershed General Surveillance Monitoring Group, April 2–April 17, 2012 (LA-UR-12-23902)

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Hai Shen, DOE-LASO, MS A316 (all PMRs)
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