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Date: **MAY 25 2016**
Refer To: ADESH-16-079
LAUR: n/a
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: Second Request for Extension to Initiate Pumping Tests at CrEX-1 and CrEX-3

Dear Mr. Kieling:

U.S. Department of Energy (DOE) and Los Alamos National Security, LLC (LANS) request a second extension from the June 1, 2016, deadline to start pumping at CrEX-1 and CrEX-3 to a new date of June 30, 2016, or shortly thereafter, as directed by New Mexico Environment Department (NMED) Groundwater Bureau's approval of Discharge Permit 1793 Work Plan #3. This letter formalizes DOE/LANS's request for the extension in a May 19, 2016, email to the NMED Hazardous Waste Bureau. NMED responded on May 24, 2016, approving the request and directing DOE/LANS to submit a formal request for an extension. This extension is requested under Section III.J.2 of the March 2005 Compliance Order on Consent.

DOE/LANS request this second extension for the following reasons.

- DOE/LANS plan to reinstall the Bennett pump/transducer bundle in CrPZ-1 and conduct a 4- or 5-day extended purge/sampling effort consistent with the spring 2016 sampling campaign conducted at the other chromium piezometers. Los Alamos National Laboratory (LANL) would like to complete this activity before pumping begins at CrEX-1 so the groundwater pressure at CrPZ-1 recovers to a static level.
- DOE/LANS would like to introduce the tracers into CrPZ-2b at least 1 week before CrEX-1 starts up so the groundwater pressure at CrPZ-2b has largely or completely returned to a static level.
- DOE/LANS believe the upcoming aquifer tests at CrIN-2 and CrIN-4 would provide better cross-hole pressure response data with a "quiet" monitoring field that is unaffected by pumping at CrEX-1. The aquifer tests at CrIN-2 and CrIN-4 should be completed between May 31 and the second or third week of June. This activity will require processing some of



the currently stored groundwater produced in 2015 to create storage-tank capacity and will occur once LANL receives approval for Work Plan #3 under DP-1793 for land application of treated water.

If you have any questions, please contact Stephani Swickley at (505) 606-1628 (sfuller@lanl.gov) or Cheryl Rodriguez at (505) 665-5330 (cheryl.rodriguez@em.doe.gov)

Sincerely,

Sincerely,



John P. McCann, Acting Division Leader
Environmental Protection & Compliance Division
Los Alamos National Laboratory



David S. Rhodes, Director
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JM/DR/BR/SS:sm

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