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Date: SEP 2 2 2016
Symbol: EPC-DO: 17-372
LA-UR: 17-28304
Locates Action No.: U1601822

Ms. Michelle Hunter, Chief
Ground Water Quality Bureau
New Mexico Environment Department
Harold Runnels Building, Room N2261
1190 St. Francis Drive
P.O. Box 26110
Santa Fe, NM 87502

Subject: **Notification of Commencement of Injection at CrIN-6, Discharge Permit DP-1835, Class V Underground Injection Control Wells**

Dear Ms. Hunter:

In accordance with Condition No. 4 of Discharge Permit DP-1835, the U.S. Department of Energy and Los Alamos National Security, LLC (DOE/LANS) are providing notification to the New Mexico Environment Department (NMED) that the discharge of treated groundwater to injection well CrIN-6 will commence on or after September 25, 2017 as part of a system-wide functional testing that also includes injection into injection wells CrIN-1, -2, -3, -4 and -5. DOE/LANS will follow with an email notification to NMED 24 hrs before the initial injection.

The following information is being provided in accordance with our September 13, 2017 meeting and addresses several conditions in NMED's September 1, 2017 correspondence to DOE/LANS related to the initial discharge to injection well CrIN-6:

- Functional testing will be conducted to test both individual components and wells in the extraction-treatment-injection system, and system-scale extraction-treatment-injection utilizing three extraction wells and six injection wells in various configurations. Functional testing will involve discharge of only treated water into the injection wells.

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- The initial discharge to CrIN-6 will be conducted solely as part of the functional testing described above. The exact duration and discharge rate of functional testing in CrIN-6 is not known, but an estimated upper volume limit of discharge specifically into CrIN-6 will be approximately 230,000 gallons.

- The limited duration and volume of discharge into CrIN-6 for functional testing does not constitute full-scale injection of treated groundwater.

As discussed during the September 13, 2017 meeting, DOE/LANS requests approval from NMED for inclusion of CrIN-6 in the functional testing of the extraction/injection system. Please contact William J. Foley by telephone at (505) 665-8423 or by email at bfoley@lanl.gov if you have questions regarding this information.

Sincerely,

John C. Bretzke
Division Leader

Sincerely,

Cheryl L. Rodriguez
Program Manager, FPD-II

JCB/CLR/MTS/WJF:am

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