



Associate Directorate for Environmental Management

P.O. Box 1663, MS M992
Los Alamos, New Mexico 87545
(505) 606-2337



John Kieling, Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303

Subject: Fact Sheets for CrIN-6

Dear Mr. Kieling:

Enclosed please find two hard copies with electronic files of the fact sheets for injection well CrIN-6. Injection well CrIN-6 was completed on July 2, 2017. CrIN-6 was installed under the December 2016 Drilling Work Plan for Groundwater Injection Well CrIN-6, which was approved by the New Mexico Environment Department (NMED) on January 4, 2017. The well completion report for injection well CrIN-6 will be submitted to NMED by September 30, 2017.

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,

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



Environmental Management

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

Date: JUL 27 2017

Refer To: ADEM-17-0183

LAUR: 17-26092

Locates Action No.: n/a

Sincerely,

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

BR/DR/SS:sm

Enclosures: Two hard copies with electronic files – Fact Sheets for CrIN-6 (EP2017-0103)

Cy: (w/enc.)
Cheryl Rodriguez, DOE-EM-LA
Stephani Swickley, ADEM ER Program

Cy: (w/electronic enc.)
Laurie King, EPA Region 6, Dallas, TX
Raymond Martinez, San Ildefonso Pueblo
Dino Chavarria, Santa Clara Pueblo
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emla.docs@em.doe.gov
Steve White, ADEP ER Program (w/ MS Word files on CD)
Danny Katzman, ADEP ER Program
Public Reading Room (EPRR)
ADESH Records
PRS Database

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Bruce Robinson, ADEM ER Program
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Jocelyn Buckley, ADESH-EPC-CP
John Bretzke, ADESH-EPC-DO
Michael Brandt, ADESH
William Mairson, PADOPS
Craig Leasure, PADOPS

TOTAL LENGTH
OF CASING AND SCREEN (FT) 1062.9

ANGLED WELL DRILLED
25° FROM VERTICAL

ELEVATIONS (FT AMSL)
WELL CASING 6706.03
PROTECTIVE CASING TBD
GROUND SURFACE 6704.52
BRASS CAP (MARKER) TBD

FEET = LINEAR FEET

DEPTH TO WATER
FOLLOWING INSTALLATION (FT) 966.5 (07/13/17)

DIAMETER OF BOREHOLE
20.00 (IN) FROM 0 TO 36 (FT)
18.00 (IN) FROM 36 TO 319 (FT)
16.00 (IN) FROM 319 TO 754 (FT)
15.00 (IN) FROM 754 TO 1096.6 (FT)

SURFACE SEAL 6.0 TO 60.1 (FT)

BENTONITE SEAL 60.1 TO 875.4 (FT)

SURFACE SEAL
MIX (WT%) PORTLAND CEMENT 100
QUANTITY USED 140.0 FT³ CALC 86. FT³

TYPE OF CASING
MATERIAL PASSIVATED A304 STAINLESS STEEL
ID (IN) 8.00 OD (IN) 8.625 (8 $\frac{7}{8}$)
JOINT TYPE WELDED

HYDRATED BENTONITE SEAL
TYPE $\frac{3}{8}$ -IN BENTONITE CHIPS
QUANTITY USED 1068.2 FT³ CALC 863.5 FT³

TYPE OF SCREEN(S)
MATERIAL A304 STAINLESS STEEL
ID (IN) 8.00 OD (IN) 8.625
SLOT SIZE (IN) 0.040
JOINT TYPE WELDED

FINE SAND COLLAR 875.4 TO 880.3 (FT)

FILTER PACK 880.3 TO 1045.2 (FT)

SCREENED INTERVAL 980.0 TO 1040.0 (FT)

BENTONITE 1045.2 TO 1077.9 (FT)

BOTTOM OF CASING 1061.3 (FT)

SLOUGH 1077.9 TO 1096.6 (FT)

BOTTOM OF BORING 1096.6 (FT)

FINE SAND COLLAR
SIZE/TYPE 20/40 SILICA
QUANTITY USED 2.5 FT³ CALC 3.2 FT³

FILTER PACK SAND
SIZE/TYPE 10/20 SILICA
QUANTITY USED 160.0 FT³ CALC 109.3 FT³

HYDRATED BENTONITE BACKFILL
TYPE $\frac{3}{8}$ -IN BENTONITE CHIPS
QUANTITY USED 19.6 FT³ CALC 28.4 FT³

14-IN CSG AND SHOE
1079.5 TO 1096.6 (FT)

STAINLESS-STEEL CENTRALIZERS
USED 4 ea. EVERY 60 FT ON BLANK CASING
USED 4 ea. at 5 FT
ABOVE AND BELOW WELL SCREEN

WELL COMPLETION BEGAN
DATE 06/11/17 TIME 1830h
WELL COMPLETION FINISHED
DATE 07/02/17 TIME 1510h



Date: July 2017
File Name: CrIN-6_AsBuiltDiagram_FactSheet

Well CrIN-6 As-Built Well Construction Diagram
Technical Area 05 (TA-05)
Los Alamos National Laboratory
Los Alamos, New Mexico

Fact
Sheet

NOT TO SCALE

