

**Associate Director for ESH**

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Los Alamos Field Office, MS A316
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Date: DEC 02 2015

Refer To: ADESH-15-169

LAUR: 15-29105

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 Fact Sheets for R-58

Dear Mr. Kieling:

Enclosed please find two hard copies with electronic files of the Fact Sheets for R-58. This submittal satisfies requirement Section IV.A.3.e.iv, Well Completion, of the Compliance Order on Consent that a well summary fact sheet be submitted within 30 days of completion of each regional aquifer well. Well R-58 was completed on November 5, 2015. The well completion report for R-58 will be submitted on or before April 4, 2016.

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, Supervisor
 Environmental Management
 Los Alamos Field Office

RECEIVED

DEC -2 2015

NMED
 Hazardous Waste Bureau

BR/DR/SP:sm

Enclosures: Two hard copies with electronic files – Fact Sheets for R-58 (EP2015-0200)

Cy: (w/enc.)
emla.docs@em.doe.gov
Hai Shen, DOE-EM-LA, MS A316
Steve Paris, ADEP ER Program, MS M992

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Laurie King, EPA Region 6, Dallas, TX
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Dino Chavarria, Santa Clara Pueblo
Steve Yanicak, NMED-DOE-OB, MS M894
Mark Everett (w/ MS Word files on CD)
Andy Crowder, TPMC (w/ MS Word files on CD)
Public Reading Room (EPRR)
ADESH Records
PRS Database

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Jocelyn Buckley, ADESH-ENV-CP
Mike Saladen, ADESH-ENV-CP
Alison Dorries, ADESH-ENV-DO
Michael Brandt, ADESH
Amy De Palma, PADOPS
Craig Leasure, PADOPS

TOTAL LENGTH
OF CASING AND SCREEN (FT) 1290.5

DEPTH TO WATER
FOLLOWING INSTALLATION (FT BGS) 1238.3 (11/6/15)

DIAMETER OF BOREHOLE
16 (IN) FROM 0 TO 96.2 (FT BGS)
15 (IN) FROM 96.2 TO 676 (FT BGS)
12.75 (IN) FROM 676 TO 1027.4 (FT BGS)
10.75 (IN) FROM 1027.4 TO 1378.4 (FT BGS)

SURFACE COMPLETION

PROTECTIVE CASING
TYPE STEEL SIZE (IN) 16
PROTECTIVE POSTS INSTALLED
SURFACE SEAL AND PAD
CHECK FOR SETTLEMENT
PAD MATERIAL
REINFORCED
PAD DIMENSIONS (FT) 10 (L) 10 (W) 0.8 (H)

SURFACE SEAL 3.0 TO 60.2 (FT BGS)

HYDRATED BENTONITE CHIP SEAL 60.2 TO 1250.3 (FT BGS)

FINE SAND COLLAR 1250.3 TO 1252.4 (FT BGS)

FILTER PACK 1252.4 TO 1282.5 (FT BGS)

SCREENED INTERVAL 1257 TO 1277.3 (FT BGS)

BENTONITE SEAL 1282.5 TO 1374.1 (FT BGS)

BOTTOM OF CASING 1287.7 (FT BGS)

SLOUGH 1374.1 TO 1378.4 (FT BGS)

BOTTOM OF BORING 1378.4 (FT BGS)

LOCKING COVER

ELEVATIONS (FT AMSL)
WELL CAP TBD
PROTECTIVE CASING TBD
GROUND SURFACE TBD
MONUMENT MARKER TBD

SLOPED CONCRETE PAD/SURFACE

SURFACE SEAL
MIX (WT%) CEMENT 100 BENTONITE
QUANTITY USED (FT³) 109.6 CALCULATED (FT³) 70.9

TYPE OF CASING
MATERIAL STAINLESS-STEEL
ID (IN) 5.00 OD (IN) 5.56
JOINT TYPE WELDED

16-in. CASING SHOE
91.2 TO 96.2 (FT BGS)

HYDRATED BENTONITE SEAL
FORM CHIP
QUANTITY USED (FT³) 1152.9 CALCULATED (FT³) 1024.0

12-in. CASING SHOE
1022.4 TO 1027.4 (FT BGS)

FINE SAND COLLAR
SIZE/TYPE 20/40 SILICA
QUANTITY USED (FT³) 2.5 CALCULATED (FT³) 1.0

FILTER PACK SAND
SIZE/TYPE 10/20 SILICA
QUANTITY USED (FT³) 38.0 CALCULATED (FT³) 14.2

TYPE OF SCREEN
MATERIAL STAINLESS-STEEL
ID (IN) 5.00 OD (IN) 5.88
SLOT SIZE (IN) 0.040 JOINT TYPE WELDED

BENTONITE SEAL
FORM CHIP/PELLET
QUANTITY USED (FT³) 70.0 CALCULATED (FT³) 57.5

10-in. CASING SHOE
1371.9 TO 1378 (FT BGS)

STAINLESS-STEEL CENTRALIZERS
USED 4 AT 2.0 ft ABOVE AND
BELOW WELL SCREENS

WELL COMPLETION BEGAN
DATE 9/28/15 TIME 0930
WELL COMPLETION FINISHED
DATE 11/5/15 TIME 1000

TerranearPMC

Drafted By: TPMC
Project Number: 86319

Date: November 10, 2015
File Name: R-58_AsBuiltFactSheet

R-58 As-Built Well Construction
Technical Area 16 (TA-16)
Los Alamos National Laboratory
Los Alamos, New Mexico

Fact Sheet
R-58
NOT TO SCALE

