From:	Pullen, Steve, NMENV
To:	Joni Arends
Cc:	Hunter, Michelle, NMENV; Romero, Andrew C, NMENV; Sandoval, Melanie, NMENV
Subject:	RE: [EXT] redline/strikeout verison of DP-1132?
Date:	Monday, July 22, 2019 2:54:33 PM

Joni,

There are no changes in the permit that was publicly noticed except the inclusion of the "draft" watermark and the specific due dates were removed.

We're currently considering which conditions would/might change.

Best,

_____

Steve Pullen

Steve Pullen
Section Manager
New Mexico Environment Department
Ground Water Quality Bureau
Pollution Prevention Section
1190 S. St. Francis Drive, Santa Fe, NM
(505) 827-2962
steve.pullen@state.nm.us
https://www.env.nm.gov/

-----Original Message-----
From: Joni Arends <jarends@nuclearactive.org>
Sent: Monday, July 22, 2019 1:47 PM
To: Pullen, Steve, NMENV <steve.pullen@state.nm.us>
Subject: [EXT] redline/strikeout verison of DP-1132?

HI Steve,

Is there a redline/strikeout version of the latest version of DP-1132 that was noticed on Friday?

If not, do you know which conditions were changed?

Best,

Joni

--
Joni Arends, Executive Director
Concerned Citizens for Nuclear Safety
P. O. Box 31147
Santa Fe, NM 87594-1147
505 986-1973
https://clicktime.symantec.com/3bJTWdCjaRWBdaC4p5dGeM7Vc?u=www.nuclearactive.org

Los Alamos NATIONAL LABORATORY EST. 1943

COPY

Environmental Protection & Compliance Division
Environmental Compliance Programs (EPC-CP)
PO Box 1663, K491
Los Alamos, New Mexico 87545
(505) 667-2211

National Nuclear Security Administration
Los Alamos Field Office
3747 West Jemez Road, A316
Los Alamos, New Mexico, 87544
(505) 665-7314 /Fax (505) 667-5948

Symbol: EPC-DO: 19-261
LA-UR: 19-27018
Locates Action No.: U1801172
Date: JUL 25 2019

GROUND WATER
JUL 25 2019
BUREAU

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: Request for Temporary Permission to Discharge Treated Wastewater, Radioactive Liquid Waste Treatment Facility, Discharge Permit DP-1132

Dear Ms. Hunter:

This letter accompanies a formal request, made pursuant to 20.6.2.3106(B) NMAC, that seeks temporary permission (TP) from the New Mexico Environment Department (NMED) to allow the U.S. Department of Energy and Triad National Security, LLC (DOE/Triad) to continue to discharge treated wastewater from the Technical Area (TA)-50 Radioactive Liquid Waste Treatment Facility (RLWTF) to certain units at the Los Alamos National Laboratory. As further detailed in Attachment 1, this request is associated with DOE/Triad's permit application (discharge plan), multiple draft permits (DP-1132) and a final DP-1132 issued by NMED on August 29, 2018. On June 18, 2019, the Water Quality Control Commission (WQCC) vacated DP-1132 in an Order that remanded the matter to NMED for a new hearing with a newly appointed Hearing Officer. In accordance with the WQCC's Order, on July 17, 2019, the NMED Secretary appointed a new hearing officer and scheduled a new hearing for September 24, 2019.

As a result of the WQCC's Order, DOE/Triad seek temporary permission from NMED to discharge up to 40,000 gallons per day of treated wastewater from the RLWTF to the Mechanical Evaporator System (MES) and Outfall 051, which is also regulated by a National Pollutant Discharge Elimination System (NPDES) permit issued by the U.S. Environmental Protection Agency (EPA) pursuant to the federal Clean Water Act Section 402, 33 U.S.C. §1342.

Environmental Protection & Compliance Division
Environmental Compliance Programs (EPC-CP)
PO Box 1663, K491
Los Alamos, New Mexico 87545
(505) 667-2211

National Nuclear Security Administration
Los Alamos Field Office
3747 West Jemez Road, A316
Los Alamos, New Mexico, 87544
(505) 665-7314 /Fax (505) 667-5948

Symbol: EPC-DO: 19-261
LA-UR: 19-27018
Locates Action No.: U1801172
Date: JUL 25 2019

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: Request for Temporary Permission to Discharge Treated Wastewater, Radioactive Liquid Waste Treatment Facility, Discharge Permit DP-1132

Dear Ms. Hunter:

This letter accompanies a formal request, made pursuant to 20.6.2.3106(B) NMAC, that seeks temporary permission (TP) from the New Mexico Environment Department (NMED) to allow the U.S. Department of Energy and Triad National Security, LLC (DOE/Triad) to continue to discharge treated wastewater from the Technical Area (TA)-50 Radioactive Liquid Waste Treatment Facility (RLWTF) to certain units at the Los Alamos National Laboratory. As further detailed in Attachment 1, this request is associated with DOE/Triad's permit application (discharge plan), multiple draft permits (DP-1132) and a final DP-1132 issued by NMED on August 29, 2018. On June 18, 2019, the Water Quality Control Commission (WQCC) vacated DP-1132 in an Order that remanded the matter to NMED for a new hearing with a newly appointed Hearing Officer. In accordance with the WQCC's Order, on July 17, 2019, the NMED Secretary appointed a new hearing officer and scheduled a new hearing for September 24, 2019.

As a result of the WQCC's Order, DOE/Triad seek temporary permission from NMED to discharge up to 40,000 gallons per day of treated wastewater from the RLWTF to the Mechanical Evaporator System (MES) and Outfall 051, which is also regulated by a National Pollutant Discharge Elimination System (NPDES) permit issued by the U.S. Environmental Protection Agency (EPA) pursuant to the federal Clean Water Act Section 402, 33 U.S.C. §1342.

As described in DOE/Triad's Temporary Permission Request (Attachment 1), DOE/Triad will continue to operate the RLWTF in accordance with the permit application (discharge plan) and will meet applicable requirements under the WQCC rules at 20.6.2 NMAC. The RLWTF influent wastewater will be treated and discharged to meet applicable ground water standards, and DOE/Triad will ensure that the sampling and reporting requirements are met as outlined in the Temporary Permission Request. The Temporary Permission Request also seeks to continue the use of RLWTF's influent storage system (the Waste Management Risk Mitigation Facility) as described in the permit application and now-vacated DP-1132, and work associated with NMED-approved work plans, which address stabilization of influent tanks that ceased operation, installation of a soil moisture monitoring system, and installation of two replacement monitoring wells located in the Mortandad Canyon alluvial aquifer.

The following additional information is provided herewith:

- Attachment 1: Temporary Permission Request
- Attachment 2: Supporting Documentation
- Attachment 3: Check to NMED for temporary permission filing fee ($150.00)

We appreciate your attention to this matter. Please contact Karen E. Armijo at (505) 665-7314 or at Karen.Armijo@nnsa.doe.gov, or Bill Foley at (505) 665-8423 or at bfoley@lanl.gov if you have questions regarding this Temporary Permission Request.

Sincerely,

for E. Torres

Enrique "Kiki" Torres
Division Leader
Environmental Protection & Compliance
Triad National Security, LLC

Sincerely,

Karen E. Armijo
Permitting and Compliance Program Manager
National Nuclear Security Administration
U.S. Department of Energy

ET/KEA/WJF/RSB:jdm

Attachment(s): Attachment 1 Temporary Permission Request
Attachment 2 Supporting Documentation – NMED Approved Work Plans
Attachment 3 Check to the NMED for the temporary permission filing fee ($150.00)

Copy: Shelly Lemon, NMED/SWQB, Shelly.Lemon@state.nm.us
John E. Kieling, NMED/HWB, john.kieling@state.nm.us
Steve Pullen, NMED/GWQB, steve.pullen@state.nm.us
Andrew Romero, NMED/GWQB, AndrewC.Romero@state.nm.us
Karen E. Armijo, NA-LA, Karen.Armijo@nnsa.doe.gov
Gabriel M. Pugh, NA-LA, gabriel.pugh@nnsa.doe.gov
Jody M. Pugh, NA-LA, jody.pugh@nnsa.doe.gov
Silas Deroma, NA-LA, silas.deroma@nnsa.doe.gov
Peter Maggiore, NA-LA, peter.maggiore@nnsa.doe.gov
Richard K. Verhaagen, NA-LA, rkv@nnsa.doe.gov
Samuel E. Wisdom, NA-LA, samuel.wisdom@lanl.gov
Darlene S. Rodriguez, NA-LA dar_rod@lanl.gov
Michael W. Hazen, ALDESHQSS, mhazen@lanl.gov
William R. Marison, ADESHQSS, wmairson@lanl.gov
Enrique Torres, EPC-DO, etorres@lanl.gov
Jennifer E. Payne, EPC-DO, jpayne@lanl.gov
William H. Schwettmann, IPM, bills@lanl.gov
Randal S. Johnson, DESHF-TA55, randyj@lanl.gov
Denise C. Gelston, TA-55-RLW, dgelston@lanl.gov
Alvin M. Aragon, TA-55-RLW, alaragon@lanl.gov
Michael T. Saladen, EPC-CP, saladen@lanl.gov
Robert S. Beers, EPC-CP, bbeers@lanl.gov
William J. Foley, EPC-CP, bfoley@lanl.gov
locatesteam@lanl.gov
epccorrespondence@lanl.gov
adesh-records@lanl.gov

ATTACHMENT 1

Temporary Permission Request

EPC-DO: 19-261

LA-UR-19-27018

Date: JUL 25 2019

Temporary Permission Request - Radioactive Liquid Waste Treatment Facility (DP-1132)

Introduction

The U.S. Department of Energy and Triad National Security, LLC (DOE/Triad) request temporary permission (TP) to discharge up to 40,000 gallons per day of treated wastewater from the Technical Area (TA)-50 Radioactive Liquid Waste Treatment Facility (RLWTF) to certain units at the Los Alamos National Laboratory (LANL). This request is made pursuant to 20.6.2.3106(B) NMAC, which allows the Secretary, upon showing of good cause, to allow such person to discharge without a permit for a period not to exceed 120-days.

For the reasons stated below, good cause exists to grant this request. On August 29, 2018, the New Mexico Environment Department (NMED) issued a final permit (DP-1132) after a public hearing; however, on June 18, 2019, the Water Quality Control Commission (WQCC) issued an Order directing NMED to conduct a new hearing with a newly appointed hearing officer. In accordance with the WQCC's Order, on July 18, 2019, NMED's Secretary appointed a new hearing officer and scheduled a new hearing for September 24, 2019. This request for TP would authorize DOE/Triad to operate the RLWTF for 120 days leading up to the final issuance of DP-1132, which is needed to support LANL's critical programs and conduct work associated with NMED-approved workplans to support increased environmental protection at LANL.

Background

The application for discharge (discharge plan) consists of an August 19, 1996 application submitted to the Ground Water Quality Bureau (GWQB) and a comprehensive updated application submitted on February 16, 2012 and August 10, 2012 (together referred to as the "2012 permit application"). The application and subsequent draft permit (draft DP-1132) were subject to multiple public notices and opportunity for comment. On May 5, 2017, NMED issued a public notice to accept public comment on the draft permit. On September 18, 2018, NMED determined to grant a public hearing on DP-1132, and issued a Notice of Public Hearing for January 17, 2018; however, the hearing was subsequently rescheduled for April 19, 2018.

At the April 19, 2018 public hearing, no party or person challenged technical provisions of the draft permit. On August 29, 2018, NMED issued DP-1132 (August 2018 DP-1132). Communities for Clean Water (CCW) subsequently filed a petition to review NMED's decision to issue DP-1132 with the WQCC. On June 18, 2019, based on a motion filed by CCW, the WQCC issued an Order to remand DP-1132 to NMED for a new hearing with a newly appointed Hearing Officer. The WQCC's decision was not based on a technical challenge, but rather, the "improper appearance of bias potentially affecting the Secretary's deliberation and issuance of DP-1132." WQCC Order, ¶ 9. In accordance with that Order, on July 18, 2019, the Secretary of NMED appointed a new Hearing Officer and scheduled a new hearing on this matter for September 24, 2019.

Temporary Permission Request - Radioactive Liquid Waste Treatment Facility (DP-1132)

RLWTF Description

The RLWTF is a waste water treatment facility designed to support LANL programs by treating radioactive liquid waste received from hroughout the Laboratory. The programs supported include fabrication of fuel for NASA to power projects such as the Mars land rover and Pluto fly-by mission, work for the Department of Homeland Security, creation of medical isotopes, and Department of Defense missions.

As detailed in the 2012 permit application and the August 2018 DP-1132, the treatment system has an influent collection and storage system that includes the Waste Management Risk Mitigation Facility (WMRM), a main treatment process for low-level radioactive liquid waste, a process for treating transuranic waste, and a secondary treatment process for waste streams from both the low-level and transuranic processes.

Per the 2012 permit application and the August 2018 DP-1132, treated wastewater may be discharged to or through the following three different systems:

- the Mechanical Evaporator System (MES), a natural gas fired mechanical evaporator system;
- the Solar Evaporative Tank System (SET), a synthetically lined evaporative system; and
- Outfall 051, which is also regulated by a National Pollution Discharge Elimination System (NPDES) permit issued by the U.S. Environmental Protection Agency (EPA) pursuant to the federal Clean Water Act Section 402, 33 U.S.C. §1342.

Temporary Permission Request

DOE/Triad respectfully request permission from the Secretary to discharge up to 40,000 gallons per day of treated wastewater from RLWTF to the MES and through Outfall 051.[1] DOE/Triad also request permission to utilize WMRM as the influent storage system, and to continue to implement several NMED-approved workplans outlined below associated with 1) the stabilization of specific units that ceased operation by October 28, 2018; 2) the installation of a soil moisture monitoring system for the detection of unauthorized releases from the SET; and 3) the installation of two replacement monitoring wells in the Mortandad Canyon alluvial aquifer (see proposed Condition 5, below). The above activities are necessary to support the Laboratory's mission and operation and reflect improved environmental systems. The WMRM influent storage facility, for example, is a significant environmental improvement from the prior use of influent tanks that were not fully inspectable, which have been decommissioned and are in the process of stabilization.

DOE/Triad will operate the RLWTF in conformance with the appropriate and applicable groundwater requirements set forth in 20.6.2.3101 NMAC and the conditions outlined below, including compliance with applicable effluent limits, sampling and reporting at the MES and

[1] DOE/Triad do not intend to discharge to the SET until the final DP-1132 is issued and the work associated with the SET's soil moisture monitoring system is complete.

Outfall 051. The RLWTF will be also operated in accordance with the 2012 permit application and the provisions of 20.6.2 NMAC. DOE/Triad will submit all reports and documents described in the August 2018 DP-1132 and meet all applicable requirements pursuant to 20.6.2 NMAC.

DOE/Triad request issuance of the TP contingent on the following conditions:

1. **EFFLUENT LIMITS: OUTFALL 051**

   DOE/Triad will not discharge treated wastewater through Outfall 051 that exceeds the groundwater standards in 20.6.2.3103 NMAC. For contaminants not listed in 20.6.2.3013 NMAC but listed as a toxic pollutant in 20.6.2.7.WW NMAC, the limit will be the concentration listed in Table A-1 of NMED, Risk Assessment Guidance for Site Investigation and Remediation.

2. **EFFLUENT LIMITS: MES**

   DOE/Triad will not discharge treated waste water to the MES that exceeds the groundwater standards in 20.6.2.3103 NMAC.

3. **EFFLUENT EXCEEDANCE**

   In the event that analytical results of an effluent sample indicate an exceedance for any of the effluent limits set forth above, DOE/Triad shall, within 24 hours following receipt of analytical results indicating the exceedance, collect and submit for analysis a subsequent sample for the particular analyte that was in exceedance. In the event the analytical results of the subsequent sample confirm that the maximum limitation has been exceeded (i.e., confirmed exceedance), DOE/Triad shall take the following actions.

   Within 24 hours of becoming aware of a confirmed exceedance, DOE/Triad shall:

   a. Cease discharges to the system for which limits have been exceeded with the exception of the MES to which a confirmed exceedance shall not require immediate cessation;
   b. Notify the NMED Ground Water Quality Bureau that an effluent limit has been confirmed to be in exceedance; and
   c. Increase the frequency of effluent sampling to adequately establish the quality of discharges prior to resuming discharges to the system that was in exceedance. The sampling frequency for the particular analyte that was in exceedance shall increase from monthly or quarterly to weekly. If the particular analyte in exceedance remains below the effluent limit in three consecutive weekly samples, then DOE/Triad may resume discharges to the system that was in exceedance.

Within one week of becoming aware of a confirmed exceedance, DOE/Triad shall:

a. Submit copies of the analytical results for the initial and subsequent sample confirming the exceedance to NMED;
b. Examine the internal operational procedures for evidence of improper operation or function of the units and systems; and
c. Conduct a physical inspection of the treatment system to detect abnormalities, and correct any abnormalities.

A report detailing the corrections made shall be submitted to NMED within 30 days following correction.

In the event that analytical results from any two independent monthly effluent samples indicate an exceedance of the effluent limits for all discharge systems within any 12-month period, the DOE/Triad shall propose to modify operational procedures or upgrade the treatment process to achieve the effluent limits. Within 90 days of receipt of the second sample analysis in which effluent limits have been exceeded, DOE/Triad shall submit to NMED for approval a corrective action plan. The plan shall include a schedule for completion of corrective actions. Upon NMED approval, DOE/Triad shall implement the corrective action plan according to the approved schedule.

When analytical results from three consecutive months of effluent sampling do not exceed the maximum limitations DOE/Triad are authorized to return to a monthly or quarterly monitoring frequency.

4. EFFLUENT SAMPLING

DOE/Triad will sample and analyze effluent discharged to Outfall 051 and the MES monthly and quarterly. Treated effluent samples will be collected once per month for any month in which a discharge occurs to Outfall 051. Samples will be analyzed for TKN, and all toxic pollutants as defined in 20.6.2.7.WW NMAC.

Treated effluent samples will be collected once per calendar month for any month in which a discharge occurs to the MES. Samples will be analyzed for TKN, NO3-N, TDS, Cl, F and perchlorate.

DOE/Triad will collect and analyze effluent samples once per quarter for any quarterly period in which a discharge occurs to the MES. Samples will be analyzed for all water contaminants listed in 20.6.2.3103 NMAC and all toxic pollutants as defined in 20.6.2.7.WW NMAC.

5. GROUNDWATER MONITORING

DOE/Triad will collect groundwater samples from the following groundwater monitoring wells located in Mortandad Canyon on a quarterly basis and analyze the samples for TKN, NO3-N, TDS, Cl, F and perchlorate:

a. Replacement Alluvial Well 1
b. Replacement Alluvial Well 2
c. MCOI-6.

DOE/Triad will collect groundwater samples from the following groundwater monitoring wells on an annual basis and analyze the samples water contaminants listed in 20.6.2.3103 NMAC and all toxic pollutants listed in 20.6.2.7.WW NMAC:

a. Replacement Alluvial Well 1
b. Replacement Alluvial Well 2
c. MCOI-6
d. R-46
e. R-60
f. R-1
g. R-14

6. GROUNDWATER EXCEEDANCE

If NMED determines that a groundwater quality standard is exceeded or that a toxic pollutant is present in groundwater, potentially due to a discharge associated with the Facility, DOE/Triad will submit a groundwater investigation/source control work plan to NMED for approval within 60 days following notification to do so by NMED.

7. WORK PLANS

DOE/Triad received NMED approval to implement the eight work plans listed in Table 1 below, and will implement these work plans pursuant to terms, conditions, and schedule as approved by NMED. These activities are critical to continue facility improvements and will increase environmental protection.

Work Plan	Document #	Submittal Date	NMED Approval Date
SET Moisture Monitoring System	EPC-DO-18-366	10/31/18	1/30/19
Replacement Alluvial Wells	EPC-DO-18-414	11/19/18	1/30/19
Stabilization of 100k Tank	EPC-DO-18-428	12/3/18	12/27/18
Stabilization of Clarifier #1	EPC-DO-18-428	12/3/18	12/27/18
Stabilization of Clarifier #2	EPC-DO-19-007	1/28/19	4/25/19
Stabilization of Gravity Filter	EPC-DO-19-007	1/28/19	4/25/19
Stabilization of WM2-N/S Tanks	EPC-DO-19-007	1/28/19	4/25/19
Stabilization of 75k Tank	EPC-DO-19-007	1/28/19	4/25/19

ATTACHMENT 2

Supporting Documentation – NMED Approved Work Plans*

Work Plan	Document #	Submittal Date	NMED Approval Date
SET Moisture Monitoring System	EPC-DO-18-366	10/31/18	1/30/19
Replacement Alluvial Wells	EPC-DO-18-414	11/19/18	1/30/19
Stabilization of 100k Tank	EPC-DO-18-428	12/3/18	12/27/18
Stabilization of Clarifier #1	EPC-DO-18-428	12/3/18	12/27/18
Stabilization of Clarifier #2	EPC-DO-19-007	1/28/19	4/25/19
Stabilization of Gravity Filter	EPC-DO-19-007	1/28/19	4/25/19
Stabilization of WM2-N/S Tanks	EPC-DO-19-007	1/28/19	4/25/19
Stabilization of 75k Tank	EPC-DO-19-007	1/28/19	4/25/19

*Complete work plans available at: https://eprr.lanl.gov/oppie/service

EPC-DO: 19-261

LA-UR-19-27018

Date: JUL 25 2019

Los Alamos NATIONAL LABORATORY

COPY

Environmental Protection & Compliance Division
Environmental Compliance Programs (EPC-CP)
PO Box 1663, K490
Los Alamos, New Mexico 87545
(505) 667-0666

National Nuclear Security Administration
Los Alamos Field Office
3747 West Jemez Road, A316
Los Alamos, New Mexico, 87544
(505) 667-5491/Fax (505) 667-5948

Date: OCT 3 1 2018
Symbol: EPC-DO-18-366
LA-UR: 18-25542
Locates Action No.: U1801172

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

GROUND WATER
OCT 3 1 2018
BUREAU

Dear Ms. Hunter:

Subject: DP-1132, Condition No. 30, Soil Moisture Monitoring System Workplan

On August 29, 2018, the New Mexico Environment Department (NMED) issued Discharge Permit DP-1132 to the U.S. Department of Energy and Los Alamos National Security, LLC (DOE/LANS) for discharges of treated effluent from the TA-50 Radioactive Liquid Waste Treatment Facility (RLWTF). Pursuant to permit Condition No. 30, *Soil Moisture Monitoring System for the SET*, DOE/LANS is required to submit a proposed moisture monitoring system workplan—containing a design and installation schedule—for NMED approval by December 27, 2018. DOE/LANS proposed workplan is provided as Enclosure 1.

Please contact Karen E. Armijo by telephone at (505) 665-7314 or by email at Karen.Armijo@nnsa.doe.gov, or Robert S. Beers by telephone at (505) 667-7969 or by email at bbeers@lanl.gov if you have questions regarding this proposed workplan for the SET soil moisture monitoring system.

Ms. Michelle Hunter
EPC-DO-18-366

Sincerely,

Taunia S. Van Valkenburg
Group Leader

Sincerely,

Karen E. Armijo
Permitting and Compliance Program Manager

ARG/KEA/MTS/RSB:jdm

Enclosure: (1) Workplan for a Soil Moisture Monitoring System at the SET

Copy: Shelly Lemon, NMED/SWQB, (E-File)
John E. Kieling, NMED/HWB, (E-File)
Jody M. Pugh, NA-LA, (E-File)
Karen E. Armijo, NA-LA, (E-File)
Kristen M. Dors, LASO-MA-LS, (E-File)
Craig S. Leasure, PADOPS, (E-File)
William R. Mairson, ADESH, (E-File)
Enrique Torres, EPC-DO, (E-File)
William H. Schwettmann, IPM, (E-File)
Raelynn Romero, PM6, (E-File)
Randal S. Johnson, DESHF-TA55, (E-File)
Denise C. Gelston, TA-55-RLW, (E-File)
Alvin M. Aragon, TA-55-RLW, (E-File)
John C. Del Signore, TA-55-RLW, (E-File)
Michael T. Saladen, EPC-CP, (E-File)
Robert S. Beers, EPC-CP, (E-File)
locatesteam@lanl.gov, (E-File)
epc-correspondence@lanl.gov, (E-File)

Los Alamos NATIONAL LABORATORY EST 1943

COPY

Environmental Protection & Compliance Division
Los Alamos National Laboratory
PO Box 1663, K490
Los Alamos, New Mexico 87545
(505) 667-0666

National Nuclear Security Administration
Los Alamos Field Office
3747 West Jemez Road, A316
Los Alamos, New Mexico, 87544
(505) 665-7314/Fax (505) 667-5948

Symbol: EPC-DO-18-414
LA-UR: 18-29710
Locates Action No.: U1801172
Date: NOV 19 2018

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: DP-1132, Condition No. 33, Alluvial Monitoring Wells Workplan

Dear Ms. Hunter:

On August 29, 2018, the New Mexico Environment Department (NMED) issued Discharge Permit DP-1132 to the U.S. Department of Energy and Los Alamos National Security, LLC (subsequently transferred to Triad National Security, LLC) for discharges of treated effluent from the TA-50 Radioactive Liquid Waste Treatment Facility (RLWTF). Pursuant to permit Condition No. 33, *Replacement of Two Existing Alluvial Ground Water Monitoring Wells*, the U.S. Department of Energy and Triad National Security, LLC (DOE/Triad) is required to submit a workplan for NMED approval by November 27, 2018. DOE/LANS proposed workplan is provided as Attachment 1.

Please contact Karen E. Armijo by telephone at (505) 665-7314 or by email at Karen.Armijo@nnsa.doe.gov, or Robert S. Beers by telephone at (505) 667-7969 or by email at bbeers@lanl.gov if you have questions regarding this proposed workplan for the replacement of two alluvial ground water monitoring wells.

Very truly yours,

Enrique "Kiki" Torres
Division Leader
Environmental Protection & Compliance
Triad National Security, LLC

Very truly yours,

Karen E. Armijo
Permitting and Compliance Program Manager
National Nuclear Security Administration
U.S. Department of Energy

ET/KEA/MTS/RSB:jdm

Attachment(s): Attachment 1 Drilling Workplan for Discharge Permit DP-1132 Alluvial Monitoring Wells

Copy: Shelly Lemon, NMED/SWQB, Shelly.Lemon@state.nm.us, (E-File)
John E. Kieling, NMED/HWB, john.kieling@state.nm.us, (E-File)
Gerald Knutson, NMED/GWQB, Gerald.Knutson@state.nm.us, (E-File)
Andrew Romero, NMED/GWQB, AndrewC.Romero@state.nm.us, (E-File)
Karen E. Armijo, NA-LA, Karen.Armijo@nnsa.doe.gov, (E-File)
Michael W. Hazen, ALDESHQSS, mhazen@lanl.gov, (E-File)
Enrique Torres, EPC-DO, etorres@lanl.gov, (E-File)
William H. Schwettmann, IPM, bills@lanl.gov, (E-File)
Raelynn Romero, PM6, raelynn@lanl.gov, (E-File)
Randal S. Johnson, DESHF-TA55, randyj@lanl.gov, (E-File)
Denise C. Gelston, TA-55-RLW, dgelston@lanl.gov, (E-File)
Alvin M. Aragon, TA-55-RLW, alaragon@lanl.gov, (E-File)
John C. Del Signore, TA-55-RLW, jcds@lanl.gov, (E-File)
Michael T. Saladen, EPC-CP, saladen@lanl.gov, (E-File)
Robert S. Beers, EPC-CP, bbeers@lanl.gov, (E-File)
Steven G. Pearson, EPC-CP, spearson@lanl.gov, (E-File)
locatesteam@lanl.gov, (E-File)
epc-correspondence@lanl.gov, (E-File)

Los Alamos NATIONAL LABORATORY EST 1943

COPY

Environmental Protection & Compliance Division
Environmental Compliance Programs (EPC-CP)
PO Box 1663, K490
Los Alamos, New Mexico 87545
(505) 667-0666

National Nuclear Security Administration
Los Alamos Field Office
3747 West Jemez Road, A316
Los Alamos, New Mexico, 87544
(505) 665-7314/Fax (505) 667-5948

Symbol: EPC-DO: 18-428
LA-UR: 18-30874
Locates Action No.: U1801172
Date: DEC 0 4 2018

GROUND WATER
DEC 0 4 2018
BUREAU

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: DP-1132, Condition No. 41, Stabilization Work Plans, 100K Tank and Clarifier #1

Dear Ms. Hunter:

On August 29, 2018, the New Mexico Environment Department (NMED) issued Discharge Permit DP-1132 to the U.S. Department of Energy (DOE) and Los Alamos National Security, LLC for discharges of treated effluent from the TA-50 Radioactive Liquid Waste Treatment Facility (RLWTF). Subsequently, DP-1132 was transferred to Triad National Security, LLC (DOE/Triad). Pursuant to permit Condition No. 41, *Stabilization of Individual Units and Systems*, DOE/Triad is required to submit a work plan for the stabilization of a unit and system that has ceased operations. Stabilization work plans are attached for the following two units that have been removed from service pursuant to Discharge Permit Condition No. 40: (1) 100,000-gallon steel influent tank (100K tank), and (2) Clarifier #1. Upon NMED approval of the attached stabilization work plans, DOE/Triad will implement the plans in accordance with the approved scope and schedule.

Please contact Karen E. Armijo by telephone at (505) 665-7314 or by email at Karen.Armijo@nnsa.doe.gov, or Robert S. Beers by telephone at (505) 667-7969 or by email at bbeers@lanl.gov if you have questions regarding the enclosure work plans for stabilization of the 100K tank and Clarifier #1.

Very truly yours,

Enrique "Kiki" Torres
Division Leader
Environmental Protection & Compliance
Triad National Security, LLC

Very truly yours,

Karen E. Armijo
Permitting and Compliance Program Manager
National Nuclear Security Administration
U.S. Department of Energy

ET/KEA/MTS/RSB:jdm

Attachment(s): Attachment 1 DP-1132, Stabilization Plan for the 100K Tank
Attachment 2 DP-1132, Stabilization Plan for the Low-Level Clarifier #1

Copy: Shelly Lemon, NMED/SWQB, Shelly.Lemon@state.nm.us, (E-File)
John E. Kieling, NMED/HWB, john.kieling@state.nm.us, (E-File)
Gerald Knutson, NMED/GWQB, Gerald.Knutson@state.nm.us, (E-File)
Andrew Romero, NMED/GWQB, AndrewC.Romero@state.nm.us, (E-File)
Karen E. Armijo, NA-LA, Karen.Armijo@nnsa.doe.gov, (E-File)
Michael W. Hazen, ALDESHQSS, mhazen@lanl.gov, (E-File)
William R. Marison, ADESH, wmairson@lanl.gov, (E-File)
Enrique Torres, EPC-DO, etorres@lanl.gov, (E-File)
William H. Schwettmann, IPM, bills@lanl.gov, (E-File)
Raelynn Romero, PM6, raelynn@lanl.gov, (E-File)
Randal S. Johnson, DESHF-TA55, randyj@lanl.gov, (E-File)
Denise C. Gelston, TA-55-RLW, dgelston@lanl.gov, (E-File)
Alvin M. Aragon, TA-55-RLW, alaragon@lanl.gov, (E-File)
John C. Del Signore, TA-55-RLW, jcds@lanl.gov, (E-File)
Michael T. Saladen, EPC-CP, saladen@lanl.gov, (E-File)
Robert S. Beers, EPC-CP, bbeers@lanl.gov, (E-File)
locatesteam@lanl.gov, (E-File)
epc-correspondence@lanl.gov, (E-File)

Los Alamos NATIONAL LABORATORY

COPY

Environmental Protection & Compliance Division
Environmental Compliance Programs (EPC-CP)
PO Box 1663, K490
Los Alamos, New Mexico 87545
(505) 667-0666

National Nuclear Security Administration
Los Alamos Field Office
3747 West Jemez Road, A316
Los Alamos, New Mexico, 87544
(505) 665-7314/Fax (505) 667-5948

Symbol: EPC-DO: 19-007
LA-UR: 19-20039
Locates Action No.: U1801172
Date: JAN 25 2019

GROUND WATER
JAN 28 2019
BUREAU

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: **DP-1132, Condition No. 41, Stabilization Plans for RLWTF Clarifier #2, Gravity Filter, WM2-North/South Tank, and 75K Tank**

Dear Ms. Hunter:

On August 29, 2018, the New Mexico Environment Department (NMED) issued Discharge Permit DP-1132 to the U.S. Department of Energy (DOE) and Los Alamos National Security, LLC for discharges of treated effluent from the TA-50 Radioactive Liquid Waste Treatment Facility (RLWTF). Subsequently, DP-1132 was transferred to Triad National Security, LLC (DOE/Triad) on November 1, 2018. Pursuant to Discharge Permit Condition No. 41, *Stabilization of Individual Units and Systems*, DOE/Triad is required to submit a stabilization plan for a unit or system that has ceased operations. Stabilization plans are attached for the following four units that have been removed from service pursuant to Discharge Permit Condition No. 40, *Cessation of Operation of Specific Units*:

- Attachment 1: Clarifier #2
- Attachment 2: Gravity Filter
- Attachment 3: WM2-North/South Tank
- Attachment 4: 75K Tank

Upon NMED approval of the attached stabilization plans, DOE/Triad will implement the plans in accordance with the approved scope and schedule.

Please contact Karen E. Armijo by telephone at (505) 665-7314 or by email at Karen.Armijo@nnsa.doe.gov, or Robert S. Beers by telephone at (505) 667-7969 or by email at bbeers@lanl.gov if you have questions regarding the attached stabilization plans.

Very truly yours,

Enrique "Kiki" Torres
Division Leader
Environmental Protection & Compliance
Triad National Security, LLC

Very truly yours,

Karen E. Armijo
Permitting and Compliance Program Manager
National Nuclear Security Administration
U.S. Department of Energy

ET/KEA/MTS/RSB:jdm

Attachment(s): Attachment 1 DP-1132 Stabilization Plan for Low-Level Clarifier #2
Attachment 2 DP-1132 Stabilization Plan for Gravity Filter
Attachment 3 DP-1132 Stabilization Plan for WM2-North/South Tank
Attachment 4 DP-1132 Stabilization Plan for 75K Tank

Copy: Shelly Lemon, NMED/SWQB, Shelly.Lemon@state.nm.us, (E-File)
John E. Kieling, NMED/HWB, john.kieling@state.nm.us, (E-File)
Gerald Knutson, NMED/GWQB, Gerald.Knutson@state.nm.us, (E-File)
Andrew Romero, NMED/GWQB, AndrewC.Romero@state.nm.us, (E-File)
Karen E. Armijo, NA-LA, Karen.Armijo@nnsa.doe.gov, (E-File)
Michael W. Hazen, ALDESHQSS, mhazen@lanl.gov, (E-File)
William R. Marison, ADESH, wmairson@lanl.gov, (E-File)
Enrique Torres, EPC-DO, etorres@lanl.gov, (E-File)
William H. Schwettmann, IPM, bills@lanl.gov, (E-File)
Raelynn Romero, PM6, raelynn@lanl.gov, (E-File)
Randal S. Johnson, DESHF-TA55, randyj@lanl.gov, (E-File)
Denise C. Gelston, TA-55-RLW, dgelston@lanl.gov, (E-File)
Alvin M. Aragon, TA-55-RLW, alaragon@lanl.gov, (E-File)
John C. Del Signore, TA-55-RLW, jcds@lanl.gov, (E-File)
Michael T. Saladen, EPC-CP, saladen@lanl.gov, (E-File)
Robert S. Beers, EPC-CP, bbeers@lanl.gov, (E-File)
locatesteam@lanl.gov, (E-File)
epc-correspondence@lanl.gov, (E-File)

NEW MEXICO
ENVIRONMENT DEPARTMENT

Ground Water Quality Bureau
1190 South St. Francis Drive (87505)
P.O. Box 5469, Santa Fe, New Mexico 87502-5469
Phone (505) 827-2900 Fax (505) 827-2965
www.env.nm.gov

SUSANA MARTINEZ
Governor

JOHN A. SANCHEZ
Lieutenant Governor

BUTCH TONGATE
Cabinet Secretary

BRUCE YURDIN
Acting Deputy Secretary

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

December 27, 2018

Enrique "Kiki" Torres
Division Leader
Environmental Protection & Compliance
Triad National Security, LLC
PO Box 1663, K490
Los Alamos, New Mexico 87545

Karen E. Armijo
Permitting and Compliance Program Manager
National Nuclear Security Administration
U.S. Department of Energy
3747 West Jemez Road, A316
Los Alamos, New Mexico 87544

U1900010

RE: Approval of Stabilization Work Plans for the 100K Tank and Clarifier #1, Los Alamos National Laboratory Radioactive Liquid Waste Treatment Facility, DP-1132

Dear Mr. Torres and Ms. Armijo:

On December 4, 2018, the New Mexico Environment Department (NMED) Ground Water Quality Bureau (GWQB) received workplans from the U.S. Department of Energy and Triad National Security, LLC (DOE/Triad) pursuant to Condition #41 of Discharge Permit 1132 (DP-1132), for the stabilization of the following units that have ceased operations and are being removed from service: (1) 100,000-gallon steel influent tank (100K tank), and (2) Low-Level Clarifier #1.

The primary objective of stabilizing the 100K Tank is to decommission the tank. The work plan proposes the following measures for the stabilization of the 100K Tank:

- Liquids will be transferred from the 100K Tank to the Main Treatment Plant (microfilter, perchlorate ion exchange, and reverse osmosis) or shipped offsite for third-party treatment and disposal.
- Process solids will be removed, then either placed in approved waste containers or sent through the Secondary Treatment Plant to be processed through the vacuum filter. Solids removed from the 100K Tank will be sampled and analyzed for radioactivity (alpha radionuclides, beta radionuclides, and tritium) and RCRA toxicity characteristic metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver).
- The 100K Tank will be flushed with industrial water, which may include the removal of solids adhering to tank walls. Flush water will be transferred to the Main Treatment Plant. The act of transferring flush water in and out of the 100K Tank will flush process piping.

- Piping that carried process materials into or from the 100K Tank will be isolated by removal, by capping, or by applying blind flanges, thereby assuring that materials can no longer enter the 100K Tank.
- The secondary containment wall will be removed and disposed of as municipal or industrial solid waste.
- Prior to the 100K Tank removal, an enclosure with approved high-efficiency particulate air (HEPA) filtration will be constructed around the tank. The 100K Tank will then be removed and disposed of as solid low-level radioactive waste.
- The secondary containment floor will be removed and disposed of as municipal or industrial solid waste.

The primary objective of stabilizing Clarifier #1 is to empty and isolate the unit so that it will pose no threat to the environment until closure. The work plan proposes the following measures for the stabilization of Clarifier #1:

- The pilot-scale reverse osmosis unit will be dismantled and removed. Unit components will be disposed of as solid low-level radioactive waste.
- Treatment chemicals in solid and liquid form will either be used in other processes at the RLWTF or will be disposed of in compliance with state and federal regulations.
- Solid and liquid chemical feeds will be dismantled, removed, and disposed of as solid low-level radioactive waste.
- Liquids and solids will be transferred from Clarifier #1 to other treatment units for low-level radioactive liquid wastes, where the solids and liquids will be treated, in accordance with existing operating procedures.
- Industrial water will be used to flush the clarifier inlet waste lines and the interior walls of the clarifier. The act of transferring flush water out of Clarifier #1 will also flush outlet piping.
- The beam that spans the top of the clarifier, and the rake motor and drive mechanism will be removed from inside the clarifier and be discarded as low-level radioactive waste.
- Interior surfaces will then be cleaned using measures such as low-pressure spraying or a high-pressure spray wand. Cleaning materials such as water will collect in the clarifier and transferred to the Main Treatment Plant for processing through the microfilter.
- Piping that carried chemical, process materials, and industrial water into or from the clarifier will be isolated by removal, by capping, or by applying blind flanges, thereby assuring that materials can no longer enter Clarifier #1.

The information submitted in the work plans satisfies Condition #41 of your Discharge Permit. Stabilization of the 100K Tank and Clarifier #1 must be implemented as described in the work plans and in accordance with applicable portions of the Closure Plan in DP-1132. The Stabilization Work Plans for the 100K Tank and Clarifier #1 are hereby approved.

Approval of these work plans does not relieve the DOE/Triad of the responsibility to comply with any other applicable federal, state, and/or local laws and regulations. This approval does not relieve DOE/Triad of liability should operations associated with these Work Plans result in actual pollution of ground or surface waters.

If you have any questions, please contact Andrew Romero at (505) 827-0076. Thank you for your cooperation.

Sincerely,

Michelle Hunter, Chief
Ground Water Quality Bureau

MH:ar

cc (e-version):
Steve Pullen, NMED/GWQB
Shelly Lemon, NMED/SWQB
John Kieling, NMED/HWB
Michael W. Hazen, ALDESHQSS
William H. Schwettmann, IPM
Raelynn Romero, PM6
Randal S. Johnson, DESHF-TA55
Denise C. Gelston, TA-55-RLW
Alvin M. Arahon, TA-55-RLW
John C. Del Signore, TA-55-RLW
Michael T. Saladen, EPC-CP
Robert S. Beers, EPC-CP
Steven G. Pearson, EPC-CP

NEW MEXICO
ENVIRONMENT DEPARTMENT

Ground Water Quality Bureau
1190 South St. Francis Drive (87505)
P.O. Box 5469, Santa Fe, New Mexico 87502-5469
Phone (505) 827-2900 Fax (505) 827-2965
www.env.nm.gov

MICHELLE LUJAN GRISHAM
Governor

HOWIE C. MORALES
Lieutenant Governor

JAMES C. KENNEY
Cabinet Secretary Designate

JENNIFER J. PRUETT
Deputy Secretary

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

January 30, 2019

Taunia S. Van Valkenburg
Group Leader
Environmental Protection & Compliance
Triad National Security, LLC
PO Box 1663, K490
Los Alamos, New Mexico 87545

Karen E. Armijo
Permitting and Compliance Program Manager
National Nuclear Security Administration
U.S. Department of Energy
3747 West Jemez Road, A316
Los Alamos, New Mexico 87544

U1900142

RE: Approval, Soil Moisture Monitoring System Workplan, Los Alamos National Laboratory Radioactive Liquid Waste Treatment Facility, DP-1132

Dear Ms. Van Valkenburg and Ms. Armijo:

On October 31, 2018, the New Mexico Environment Department (NMED) Ground Water Quality Bureau (GWQB) received a workplan from the U.S. Department of Energy and Triad National Security, LLC (DOE/Triad or Permittees) pursuant to Condition #30 of Discharge Permit 1132 (DP-1132) for the installation of a moisture monitoring system at the TA-52 Solar Evaporation Tank (SET) System.

As explained in the workplan, the primary objective of the moisture monitoring system is for early leak detection through periodic neutron logging of boreholes beneath the SET. A numerical model simulating potential leak scenarios was utilized to evaluate the geometry and spreading of wetting fronts that may develop under different conditions and was developed to support the design of the moisture monitoring system. The moisture monitoring system will consist of eight boreholes directionally drilled at 45°, seven of which will be drilled perpendicular to the axis of the SET and will be approximately 34.5 m long and drilled to a total design depth of approximately 24.4 m below ground surface. Neutron logs will be run when the boreholes have been drilled to total depth and completed with aluminum conduit. Baseline soil moisture condition for all boreholes will be established from initial neutron moisture logging conducted within seven days of completion of the moisture monitoring boreholes. Upon completion of the construction and testing of the soil moisture monitoring system, a final construction reporting shall be submitted to NMED for approval in accordance with Condition #30 of DP-1132.

The information submitted in the workplan satisfies Condition #30 of the Discharge Permit. The installation of the soil moisture monitoring system must be implemented as described in the workplan. The Permittees shall take every precaution to preclude moisture from entering the boreholes during construction. The Soil Moisture Monitoring System Workplan is hereby approved.

Approval of this workplan does not relieve DOE/Triad of the responsibility to comply with any other applicable federal, state, and/or local laws and regulations. This approval does not relieve DOE/Triad of liability should operations associated with this workplan result in actual pollution of ground or surface waters.

If you have any questions, please contact Andrew Romero at (505) 827-0076. Thank you for your cooperation.

Sincerely,

Steve Pullen, Program Manager
Ground Water Quality Bureau

SP:ar

cc (e-version):
Steve Pullen, NMED/GWQB
Shelly Lemon, NMED/SWQB
John Kieling, NMED/HWB
Michael W. Hazen, ALDESHQSS
William H. Schwettmann, IPM
Raelynn Romero, PM6
Randal S. Johnson, DESHF-TA55
Denise C. Gelston, TA-55-RLW
Alvin M. Aragon, TA-55-RLW
John C. Del Signore, TA-55-RLW
Michael T. Saladen, EPC-CP
Robert S. Beers, EPC-CP
Steven G. Pearson, EPC-CP

MICHELLE LUJAN GRISHAM
Governor

HOWIE C. MORALES
Lieutenant Governor

NEW MEXICO
ENVIRONMENT DEPARTMENT

Ground Water Quality Bureau
1190 South St. Francis Drive (87505)
P.O. Box 5469, Santa Fe, New Mexico 87502-5469
Phone (505) 827-2900 Fax (505) 827-2965
www.env.nm.gov

JAMES C. KENNEY
Cabinet Secretary Designate

JENNIFER J. PRUETT
Deputy Secretary

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

January 30, 2019

Enrique "Kiki" Torres
Division Leader
Environmental Protection & Compliance
Triad National Security, LLC
PO Box 1663, K490
Los Alamos, New Mexico 87545

Karen E. Armijo
Permitting and Compliance Program Manager
National Nuclear Security Administration
U.S. Department of Energy
3747 West Jemez Road, A316
Los Alamos, New Mexico 87544

U1900143

RE: Approval of Alluvial Monitoring Wells Workplan, Los Alamos National Laboratory Radioactive Liquid Waste Treatment Facility, DP-1132

Dear Mr. Torres and Ms. Armijo:

On November 19, 2018, the New Mexico Environment Department (NMED) Ground Water Quality Bureau (GWQB) received a workplan from the U.S. Department of Energy and Triad National Security, LLC (DOE/Triad) associated with the TA-50 Radioactive Liquid Waste Treatment Facility (RLWTF). The workplan is required by Condition #33 of Discharge Permit 1132 (DP-1132) for the installation of two replacement monitoring wells in the alluvial aquifer at a location hydrologically downgradient of Outfall 051, and incudes the proposed well locations, drilling methods, well specifications, and proposed schedule for construction.

The workplan proposes the installation of two new alluvial groundwater monitoring wells, RLW-A-1 and RLW-A-2, located in Mortandad Canyon above the confluence with Ten Site Canyon. Each borehole will be completed using hollow stem auger (HAS) drilling techniques. A 4-in inside diameter (ID) PVC well with a .010-in continuous wrap vee-wire screen will be installed in the boreholes. Two stainless steel centralizers shall be installed, one immediately above the screen and the second above the bentonite seal to centralize the well in the borehole. A 20/40 silica sand filter pack will be placed extending 1-foot below the completed well to 2-feet above the top of the screened interval.

The information submitted satisfies Condition #33 of your Discharge Permit, DP-1132, pursuant to Subsection A of 20.6.2.3107 NMAC. The Alluvial Monitoring Wells Workplan is hereby approved as described in the workplan and in accordance with DP-1132.

The alluvial groundwater monitoring wells shall be installed in accordance with the attachment *Ground Water Discharge Permit Monitoring Well Construction and Abandonment Conditions*, Revision 1.1, March 2011 (copy enclosed), and the approved work plan schedule. Construction and lithologic logs for the monitoring wells shall be submitted to NMED within 30 days of well completion. Groundwater discharges associated with the Work Plan shall be performed in accordance with the Work Plan and are subject to all conditions of DP-1132.

Well completion report (including the Office of the State Engineer permit), depth-to-most-shallow groundwater measurements, analytical results, including the laboratory QA/QC summary report, and a facility layout map showing the location and number of each well shall be submitted to NMED within 45 days of the installation of the monitoring wells.

Approval of this workplan does not relieve DOE/Triad of the responsibility to comply with any other applicable federal, state, and/or local laws and regulations. This approval does not relieve DOE/Triad of liability should operations associated with this workplan result in actual pollution of ground or surface waters.

If you have any questions, please contact Andrew Romero at (505) 827-0076. Thank you for your cooperation.

Sincerely,

Steve Pullen, Program Manager
Ground Water Quality Bureau

SP:ar

Encl: Ground Water Discharge Permit Monitoring Well Construction and Abandonment Conditions, Revision 1.1, March 2011

cc (e-version):
Steve Pullen, NMED/GWQB
Shelly Lemon, NMED/SWQB
John Kieling, NMED/HWB
Michael W. Hazen, ALDESHQSS
William H. Schwettmann, IPM
Raelynn Romero, PM6
Randal S. Johnson, DESHF-TA55

NEW MEXICO
ENVIRONMENT DEPARTMENT

Ground Water Quality Bureau
1190 South St. Francis Drive (87505)
P.O. Box 5469, Santa Fe, New Mexico 87502-5469
Phone (505) 827-2900 Fax (505) 827-2965
www.env.nm.gov

Michelle Lujan Grisham
Governor

Howie C. Morales
Lieutenant Governor

James C. Kenney
Cabinet Secretary

Jennifer J. Pruett
Deputy Secretary

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

April 25, 2019

Enrique "Kiki" Torres
Division Leader
Environmental Protection & Compliance
Triad National Security, LLC
PO Box 1663, K490
Los Alamos, New Mexico 87545

Karen E. Armijo
Permitting and Compliance Program Manager
National Nuclear Security Administration
U.S. Department of Energy
3747 West Jemez Road, A316
Los Alamos, New Mexico 87544

RE: Approval of Stabilization Plans for Clarifier #2, Gravity Filter, WM2-North/South Tank, and 75K Tank, Los Alamos National Laboratory Radioactive Liquid Waste Treatment Facility, DP-1132

Dear Mr. Torres and Ms. Armijo:

On January 28, 2019, the New Mexico Environment Department (NMED) Ground Water Quality Bureau (GWQB) received Work Plans from the U.S. Department of Energy and Triad National Security, LLC (DOE/Triad) pursuant to Condition #41 of Discharge Permit 1132 (DP-1132) for the stabilization of the following units that have ceased operations and are being removed from service: (1) Low-Level Clarifier #2, (2) Gravity Filter, (3) WM-2 North/South Tanks, and (4) 75,000-gallon concrete influent tank.

The primary objective of stabilizing Clarifier #2, the Gravity Filter, WM2-North/South Tanks, and the 75,000-gallon concrete influent tank is to empty and isolate the units so that they will not pose a threat to the environment (groundwater and air) until closure. Stabilization of all units pursuant to the Stabilization Plan shall be executed as described in the Work Plans and in accordance with all applicable portions within Condition #42 of the Closure Plan in DP-1132.

The information submitted in the Work Plans satisfies Condition #41 of your Discharge Permit. The Stabilization Work Plans for Clarifier #2, the Gravity Filter, WM2-North/South Tanks, and the 75,000-gallon concrete influent tank are hereby approved.

Approval of these Work Plans does not relieve the DOE/Triad of the responsibility to comply with any other applicable federal, state, and/or local laws and regulations. This approval does not relieve DOE/Triad of liability should operations associated with these Work Plans result in actual pollution of ground or surface waters.

If you have any questions, please contact Andrew Romero at (505) 827-0076. Thank you for your cooperation.

Sincerely,

Steve Pullen, Manager
Pollution Prevention Section
Ground Water Quality Bureau

MH:ar

cc (e-version):
Shelly Lemon, NMED/SWQB
John Kieling, NMED/HWB
Michael W. Hazen, ALDESHQSS
William H. Schwettmann, IPM
Raelynn Romero, PM6
Randal S. Johnson, DESHF-TA55
Denise C. Gelston, TA-55-RLW
Alvin M. Arahon, TA-55-RLW
John C. Del Signore, TA-55-RLW
Michael T. Saladen, EPC-CP
Robert S. Beers, EPC-CP
Steven G. Pearson, EPC-CP

ATTACHMENT 3

Check to the NMED for the temporary permission filing fee ($150.00)

EPC-DO: 19-261

LA-UR-19-27018

Date: JUL 25 2019

INVOICE NO	DATE	DESCRIPTION	DISCOUNT	NET AMOUNT
NON071819099	07/19/19	PERMIT FEE*DP-1132		$150.00

CHECK NO	DATE	VENDOR NO.	VENDOR NAME	TOTAL AMOUNT
397698	07/24/2019	AC0604401	NEW MEXICO ENVIRONMENTAL DEPT	150.00

THE FACE OF THIS DOCUMENT HAS A COLORED BACKGROUND ON WHITE PAPER, A VOID PANTOGRAPH AND MICROPRINTING. THE BACK OF THIS DOCUMENT HAS AN ARTIFICIAL WATERMARK – HOLD AT AN ANGLE TO VIEW.

Wells Fargo Bank NA

LOS ALAMOS NATIONAL LABORATORY
PO BOX 1663, MS P240
LOS ALAMOS, NM 87545

PLEASE CASH PROMPTLY
SUBJECT TO CANCELLATION
120 DAYS AFTER DATE

397698

56-382
412

MO DAY YR
07/24/19

PAY One Hundred Fifty and 00/100 Dollars

$ *******150.00

TO THE ORDER OF
NEW MEXICO ENVIRONMENTAL DEPT
PO BOX 5469
SANTA FE NM 87502

Los Alamos NATIONAL LABORATORY

Authorized Signature

VOID VOID VOID VOID VOID VOID

⑈00397698⑈ ⑆041203824⑆ 968345174 5⑈

Environmental Protection & Compliance Division
Environmental Compliance Programs (EPC-CP)
PO Box 1663, K491
Los Alamos, New Mexico 87545
(505) 667-2211

National Nuclear Security Administration
Los Alamos Field Office
3747 West Jemez Road, A316
Los Alamos, New Mexico, 87544
(505) 665-7314 /Fax (505) 667-5948

Symbol: EPC-DO: 19-232
LA-UR: 19-26072
Locates Action No.: U1801172
Date: JUL 3 0 2019

GROUND WATER
JUL 3 0 2019
BUREAU

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: TA-50 Radioactive Liquid Wastewater Treatment Facility, Maintenance and Repair Notification

Dear Ms. Hunter:

The U. S. Department of Energy and Triad National Security, LLC (DOE/Triad) has identified a secondary containment alarm, located in collection system vault 50-201, that is presently malfunctioning. Vault 50-201 was accessed on June 26, 2019, for the purpose of trouble shooting and possible repair. Investigation revealed, however, that much of the wiring and data transmission equipment had deteriorated beyond repair. Replacement of the vault 50-201 alarm cannot be completed until September 24, 2019.

In the interim, until the replacement alarm is fully functional, DOE/Triad will conduct weekly visual inspections of vault 50-201. If liquid is identified during a weekly inspection then the liquid will be sampled to confirm that the source of the liquid is infiltrated ground or storm water, and not radioactive liquid waste.

Please contact Karen E. Armijo by telephone at (505) 665-7314 or by email at Karen.Armijo@nnsa.doe.gov, or William J. Foley by telephone at (505) 665-8423 or by email at bfoley@lanl.gov if you have questions regarding this notification.

Sincerely,

for. E Torres

Enrique "Kiki" Torres
Division Leader
Environmental Protection & Compliance
Triad National Security, LLC

Sincerely,

Karen E. Armijo
Permitting and Compliance Program Manager
National Nuclear Security Administration
U.S. Department of Energy

ET/KEA/MTS/RSB:jdm

Copy: Shelly Lemon, NMED/SWQB, Shelly.Lemon@state.nm.us, (E-File)
John E. Kieling, NMED/HWB, john.kieling@state.nm.us, (E-File)
Andrew Romero, NMED/GWQB, AndrewC.Romero@state.nm.us, (E-File)
Jody M. Pugh, NA-LA, jody.pugh@nnsa.doe.gov, (E-File)
Karen E. Armijo, NA-LA, Karen.Armijo@nnsa.doe.gov, (E-File)
Michael W. Hazen, ALDESHQSS, mhazen@lanl.gov, (E-File)
William R. Marison, ADESHQSS, wmairson@lanl.gov, (E-File)
Enrique Torres, EPC-DO, etorres@lanl.gov, (E-File)
Jennifer E. Payne, EPC-DO, jpayne@lanl.gov
William H. Schwettmann, IPM, bills@lanl.gov, (E-File)
Randal S. Johnson, DESHF-TA55, randyj@lanl.gov, (E-File)
Denise C. Gelston, TA-55-RLW, dgelston@lanl.gov, (E-File)
Alvin M. Aragon, TA-55-RLW, alaragon@lanl.gov, (E-File)
Michael T. Saladen, EPC-CP, saladen@lanl.gov, (E-File)
Robert S. Beers, EPC-CP, bbeers@lanl.gov, (E-File)
William J. Foley, EPC-CP, bfoley@lanl.gov
locatesteam@lanl.gov, (E-File)
epccorrespondence@lanl.gov, (E-File)

From:	Foley, William
To:	Pullen, Steve, NMENV
Cc:	Romero, Andrew C, NMENV; Karen Armijo (NNSA); Saladen, Michael Thomas; Van Valkenburg, Taunia S; Torres, Enrique
Subject:	RE: SET Moisture Monitoring Workplan - Update on boreholes SET-MM-1 and SET-MM-2
Date:	Wednesday, August 7, 2019 4:53:44 PM

Steve,

Following up from our conversation yesterday morning I was confirming that we were moving forward with the two replacement boreholes. As we had discussed:

- SET-MM-2 replacement will be moved 16 feet east of the original location. The current plan is to begin this borehole tonight.
- SET-MM-1 replacement will be moved to ensure 16 feet of separation between the replacement borehole and the original. When we plotted this (and as you had pointed out during our discussion) the actual borehole offset will be 22.6-feet from the original location to maintain 16 feet of separation between the two boreholes. Installation of this borehole will proceed following the SET-MM-2 replacement location.

In addition, we have completed the two original boreholes and will be monitoring moisture data from these locations. While these two boreholes will not support either the baseline or operational monitoring efforts they will provide additional data which will need to be evaluated.

If you have any questions/comments/concerns please feel free to contact me.

Bill Foley
Office: 505-665-8423
Mobile: 505-695-6339

From: Foley, William Joseph
Sent: Monday, August 5, 2019 4:47 PM
To: Steve Pullen (NMENV) <steve.pullen@state.nm.us>
Cc: Romero, Andrew C, NMENV <AndrewC.Romero@state.nm.us>; Karen Armijo (NNSA) <karen.armijo@nnsa.doe.gov>; Saladen, Michael Thomas <saladen@lanl.gov>; Van Valkenburg, Taunia S <tauniav@lanl.gov>; Torres, Enrique <etorres@lanl.gov>
Subject: SET Moisture Monitoring Workplan - Update on boreholes SET-MM-1 and SET-MM-2

Steve,
Mike Saladen and I left you several messages this afternoon related to the SET Moisture Monitoring Workplan. Specifically, we wanted to let you know that following drilling of the initial borehole locations for SET-MM-1 and SET-MM-2 and prior to surface completions of these two boreholes water from runoff made it downhole. The initial discovery of the condition was identified late last week and confirmed. Based on an evaluation of the conditions and available data, in the model we propose to relocate these two boreholes as follows:

- SET-MM-1 will be moved 16 feet west. The new borehole will be installed parallel to the original location.

- SET-MM-2 will be moved 16 feet east. The new borehole will be installed parallel to the original location.

As you may recall these locations were identified in the approved Soil Moisture Monitoring System Workplan submitted on October 31, 2018. We wanted to keep you informed of the status and issue that arose. If possible we would like to discuss as soon as possible and provide additional details if you want. All other well installations have been completed. To avoid demobilizing we anticipate drilling the two new boreholes starting on August 6th in the evening. Please contact me on my mobile at your earliest convenience.

Bill Foley
Office: 505-665-8423
Mobile: 505-695-6339

From:	Foley, William Joseph
To:	Steve Pullen (NMENV)
Cc:	Romero, Andrew C, NMENV; Karen Armijo (NNSA); Saladen, Michael Thomas; Van Valkenburg, Taunia S; Torres, Enrique; Beers, Bob
Subject:	SET Moisture Monitoring Workplan - Update on boreholes SET-MM-3
Date:	Friday, August 16, 2019 2:33:00 PM

Steve,

Following up to our conversation yesterday afternoon related to the SET Moisture Monitoring Workplan, we will be drilling a new borehole location 16 feet east of the original location. As we discussed, following drilling of this borehole it was logged prior to final completion. There had been no reason to suspect the borehole was compromised from runoff making it downhole prior to completion. Early this week we got the results of the most recent logging and it appears moisture did make it down the borehole prior to its surface completion. The new borehole will be installed 16-ft east of the original location and parallel to the original borehole. As we discussed, and consistent with the original SET-MM-1 and SET-MM-2 locations, SET-MM-3 will be monitoring moisture data from this location. While this borehole will not support either the baseline or operational monitoring efforts they will provide additional data which will be evaluated.

We wanted to keep you informed of the status and issue that arose. As discussed, all other borehole installations including the SET-MM-1 and SET-MM-2 have been completed. We are scheduled to have the drill rig return on Monday August 19th. We anticipate drilling the replacement borehole beginning Tuesday night barring no unforeseen circumstances.

Please contact me on my mobile at your earliest convenience if you have any questions/comments/concerns.

Bill Foley
Office: 505-665-8423
Mobile: 505-695-6339

NEW MEXICO
ENVIRONMENT DEPARTMENT

Ground Water Quality Bureau
1190 South St. Francis Drive (87505)
P.O. Box 5469, Santa Fe, New Mexico 87502-5469
Phone (505) 827-2900 Fax (505) 827-2965
www.env.nm.gov

MICHELLE LUJAN GRISHAM
Governor

HOWIE C. MORALES
Lieutenant Governor

JAMES C. KENNEY
Cabinet Secretary

JENNIFER J. PRUETT
Deputy Secretary

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

August 21, 2019

Mr. Enrique Torres
EPC Division Director
Triad National Security, LLC.
Los Alamos National Laboratory
P.O. Box 1663, MS K404
Los Alamos, NM 87544

Ms. Karen E. Armijo
Permitting and Compliance Program Manager
National Nuclear Security Administration
Los Alamos Field Office
3747 West Jemez Road, A316
Los Alamos, NM 87544

RE: Temporary Permission to Discharge, Radioactive Liquid Waste Treatment Facility, DP-1132

Dear Mr. Torres and Ms. Armijo:

The New Mexico Environment Department (NMED) has reviewed a July 25, 2019 request from the U.S. Department of Energy and Triad National Security, LLC (DOE/Triad) for temporary permission for the continued discharge of up to 40,000 gallons per day of treated wastewater from the Radioactive Liquid Waste Treatment Facility (RLWTF) to the Mechanical Evaporator System (MES) and Outfall 051 (Request). The Request is associated with a groundwater discharge permit associated with the RLWTF (DP-1132) issued to DOE/Triad on August 29, 2018, which was subsequently vacated and remanded to NMED by the New Mexico Water Quality Control Commission (WQCC) on June 18, 2019 for a new hearing. The Request is made pursuant to 20.6.2.3106.B NMAC, which allows NMED's Cabinet Secretary (Secretary), for good cause shown, to allow a person to discharge without a permit for a period not to exceed 120 days.

The Request also seeks the continued use of the RLWTF's influent storage system (the Waste Management Risk Mitigation Facility) and continued work associated with NMED-approved workplans, i.e., stabilization of influent tanks no longer in service, installation of a soil moisture monitoring system, and the installation of two replacement monitoring wells located in the Mortandad Canyon alluvial aquifer.

DOE/Triad's Request commits to continued operation of the RLWTF in accordance with the procedures outlined in the discharge permit application and applicable requirements at 20.6.2 NMAC. The Request further commits to specific sampling and reporting activities associated with the discharge. The discharge is located within Los Alamos National Laboratory, approximately 1.5 miles south of Los Alamos, New Mexico, in Section 22, Township 19N, Range 06E, Los Alamos County.

Temporary permission to discharge for 120 days is hereby granted pursuant to 20.6.2.3106.B NMAC. Because the WQCC remanded DP-1132 on June 18, 2019, this permission will extend through October 16, 2019.

This approval does not relieve DOE/Triad of the responsibility to comply with any other applicable federal, state, and/or local laws and regulations, such as zoning requirements and nuisance ordinances. Also, this approval does not relieve DOE/Triad of liability should operation result in actual pollution of surface or ground waters.

If you have any questions, please contact Steve Pullen, manager of the bureau's Pollution Prevention Section at (505) 827-2962.

Sincerely,

Michelle Hunter, Chief
Ground Water Quality Bureau

MH:AR

cc: Robert Italiano, District Manager, NMED District II (electronic copy)
Steve Pullen, NMED/GWQB (electronic copy)
Andrew Romero, NMED/GWQB (electronic copy)
John Romero, Office of the State Engineer (electronic copy)
Anne Keller, DWB, UOCP (electronic copy)
John Kieling, NMED/HWB (electronic copy)
Shelly Lemon, NMED/SWQB (electronic copy)
Steven Yanicak, NMED/DOEOB (electronic copy)
Bob Beers, EPC-CP, bbeers@lanl.gov (electronic copy)

Romero, Andrew C, NMENV

From: Farrell, Lochlin, NMENV
Sent: Wednesday, October 2, 2019 4:44 PM
To: Romero, Andrew C, NMENV
Subject: FW: [EXT] Courtesy Copy: NMED-Ground Water Quality Bureau: Groundwater Discharge Permits Proposed for Approval - August 23, 2019

From: New Mexico Environment Department <nmed@public.govdelivery.com>
Sent: Friday, August 23, 2019 12:51 PM
To: diana.tharpe@state.nm.us; leanne.martony@state.nm.us; Hayden, Maddy, NMENV <Maddy.Hayden@state.nm.us>; Farrell, Lochlin, NMENV <Lochlin.Farrell@state.nm.us>; Hochman, Todd, NMENV <todd.hochman@state.nm.us>; Ali.Furmall@state.nm.us; Graves, Robert, NMENV <Robert.Graves@state.nm.us>; Katy.Dougherty-Diff@state.nm.us; MacDonald, AnaMaria, NMENV <AnaMaria.MacDonald@state.nm.us>; Clark, Rick, NMENV <Rick.Clark@state.nm.us>; Allison.Majure@state.nm.us
Subject: [EXT] Courtesy Copy: NMED-Ground Water Quality Bureau: Groundwater Discharge Permits Proposed for Approval - August 23, 2019

This is a courtesy copy of an email bulletin sent by Lochlin Farrell.

This bulletin was sent to the following groups of people:

Subscribers of GWQB-Public Notice of Discharge Permit Actions (927 recipients)

New Mexico Environment Department

Ground Water Quality Bureau

Groundwater Discharge Permits Proposed for Approval - August 23, 2019

Oficina para el Control de la Calidad de las Aguas Subterránea

Permiso de Descarga en Aguas Subterráneas para su aprobación - 23 de agosto de 2019

Dear Interested Party,

The New Mexico Environment Department (NMED) Ground Water Quality Bureau (GWQB) hereby provides notice that the following Groundwater Discharge Permits have been proposed for approval. NMED will allow 30 days after the date of publication of this notice (or as otherwise provided below)

for submittal of written comments and/or a request for a public hearing for a permitting action. Requests for public hearing shall be in writing and shall set forth the reasons why a hearing should be held. A hearing will be held if NMED determines that there is substantial public interest. After the administrative record for a permitting action is complete and all required information is available, NMED will approve, approve with conditions, or disapprove the Permit based on the administrative record.

NMED maintains a Public Involvement Plan (PIP) for each permitting action to plan for providing public participation opportunities and information that may be needed for the community to participate in a permitting process. PIPs may be viewed on-line at https://www.env.nm.gov/gwqb/public-involvement-plans/, at the NMED field office nearest to the proposed permitted activity, or by contacting the NMED Permit Contact identified below. NMED also maintains facility-specific mailing lists for persons wishing to receive associated notices for a permitting action.

To learn more about a Discharge Permit and the permitting process, to be placed on a facility-specific mailing list, or to obtain a copy of a draft permit, contact the NMED Permit Contact at the number or address provided. Draft permits may be viewed on-line at https://www.env.nm.gov/gwqb/public-notice/. Comments or a request for hearing regarding a draft permit should be addressed to the GWQB, PO Box 5469, Santa Fe, NM 87502-5469, or emailed to the NMED Permit Contact.

If you are a non-English speaker, do not speak English well, or if you have a disability, you may contact the NMED Permit Contact to request assistance, an interpreter, or an auxiliary aid in order to learn more about a Discharge Permit or the permitting process, or to participate in activities associated with the permitting process. Requested interpretation services and accommodations or services for persons with disabilities will be arranged to the extent possible. Telephone conversation assistance is available through Relay New Mexico at no charge for people who are deaf, hard of hearing, or have difficulty speaking on the phone, by calling 1-800-659-1779; TTY users: 1-800-659-8331; Spanish: 1-800-327-1857.

NMED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Parts 5 and 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non- discrimination programs, policies or procedures, you may contact: Kristine Yurdin, Non-Discrimination Coordinator, New Mexico Environment Department, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nd.coordinator@state.nm.us. If you believe that you have been discriminated against with respect to a NMED program or activity, you may contact the Non-Discrimination Coordinator identified above or visit our website at https://www.env.nm.gov/non-employee-discrimination-complaint-page/ to learn how and where to file a complaint of discrimination.

Please click this link to view the Public Notice

Listen to the notice

Listen to Draft Permit DP-1887

Listen to Draft Permit DP-760

Listen to Draft Permit DP-1041

Listen to Draft Permit DP-878

Listen to Draft Permit DP-1163

Listen to Draft Permit DP-1174

Listen to Draft Permit DP-1886

Listen to Draft Permit DP-1651

Listen to Draft Permit DP-1132

Listen to Draft Permit DP-1865

Listen to Draft Permit DP-1007

Listen to Draft Permit DP-1757

Listen to Draft Permit DP-1740

Listen to Draft Permit DP-384

Listen to Draft Permit DP-932

Listen to Draft Permit DP-1067

Listen to Draft Permit DP-1154

Listen to Draft Permit DP-1246

Listen to Draft Permit DP-1332

Listen to Draft Permit DP-1531

Listen to Draft Permit DP-1784

Listen to Draft Permit DP-75

Listen to Draft Permit DP-1869

Listen to Draft Permit DP-546

Estimada parte interesada,

La Oficina de Calidad de Aguas Subterráneas (GWQB, por sus siglas en inglés) del Departamento de Medio Ambiente de Nuevo México (NMED, por sus siglas en inglés) notifica por este medio que se han propuesto los siguientes Permisos de Descarga de Agua Subterránea para su aprobación. NMED permitirá 30 días después de la fecha de publicación de este aviso (o según lo dispuesto a continuación) para la presentación de comentarios por escrito y/o una solicitud de audiencia pública para una acción de permiso. Las solicitudes de audiencia pública deberán presentarse por escrito y expondrán los motivos por los cuales debe celebrarse una audiencia. Se llevará a cabo una audiencia si NMED determina que existe un interés público considerable. Después de que el registro administrativo para la acción de permiso esté completo y toda la información requerida esté disponible, NMED aprobará, aprobará con condiciones o denegará el Permiso basado en el registro administrativo.

NMED mantiene un Plan de Participación Pública (PIP, por sus siglas en inglés) para cada acción de permiso para planificar la facilitación de oportunidades de participación del público e información que pueda ser necesaria para que la comunidad participe en el proceso de permisos. Los PIP se pueden ver en línea en https://www.env.nm.gov/gwqb/public-involvement-plans/, en la oficina local de NMED más cercana a la actividad de permiso propuesta, o comunicándose con el contacto de permisos de NMED identificado a continuación. NMED también mantiene listas de correo específicas de las instalaciones para las personas que desean recibir avisos asociados para una acción de permiso.

Para obtener más información sobre un Permiso de Descarga y el proceso de permiso, para ser incluido en una lista de correo específica de la instalación, o para obtener una copia de un borrador de permiso, comuníquese con el contacto de permisos de NMED al número o dirección proporcionados. Los borradores de permisos se pueden ver en línea en https://www.env.nm.gov/gwqb/public-notice/. Los comentarios o las solicitudes de audiencia sobre un borrador de permiso deben dirigirse a GWQB, PO Box 5469, Santa Fe, NM 87502-5469, o enviarse por correo electrónico al contacto de permisos de NMED.

Si usted no habla inglés, no habla bien inglés, o si tiene una discapacidad, puede comunicarse con el contacto de permisos de NMED para solicitar asistencia, un intérprete o un dispositivo auxiliar con el fin de aprender más sobre un Permiso de Descarga o el proceso de permisos, o para participar en actividades asociadas con el proceso de permisos. Los servicios de interpretación solicitados y las acomodaciones o servicios para personas con discapacidades serán organizados en la medida de lo posible. Hay disponible asistencia para conversaciones telefónicas a través de Relay New Mexico de forma gratuita para las personas sordas, con problemas de audición o con dificultades para hablar por teléfono llamando al 1-800-659-1779; los usuarios de TTY: 1-800-659-8331; español: 1-800-327-1857.

NMED no discrimina por motivos de raza, color, origen nacional, discapacidad, edad o sexo en la administración de sus programas o actividades, según lo exigido por las leyes y los reglamentos correspondientes. NMED es responsable de la coordinación de los esfuerzos de cumplimiento y la recepción de consultas relativas a los requisitos de no discriminación implementados por 40 C.F.R. Partes 5 y 7, incluido el Título VI de la Ley de Derechos Civiles de 1964, según enmendada; Sección 504 de la Ley de Rehabilitación de 1973; la Ley de Discriminación por Edad de 1975, Título IX de las Enmiendas de Educación de 1972 y la Sección 13 de las Enmiendas a la Ley Federal de Control de Contaminación del Agua de 1972. Si usted tiene preguntas sobre este aviso o sobre cualquier programa, política o procedimiento de no discriminación de NMED, usted puede comunicarse con la Coordinadora de No Discriminación: Kristine Yurdin, Non-Discrimination Coordinator, New Mexico Environment Department, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nd.coordinator@state.nm.us. Si usted piensa que ha sido discriminado/a con respecto a un programa o actividad de NMED, usted puede comunicarse con la Coordinadora de No Discriminación antes indicada o visitar nuestro sitio web en https://www.env.nm.gov/non-employee-discrimination-complaint-page/ para aprender cómo y dónde presentar una queja de discriminación.

Haga clic en este enlace para ver el aviso público

Escuche el aviso

Escuche el borrador de permiso de DP-1887

Escuche el borrador de permiso de DP-760

Escuche el borrador de permiso de DP-1041

Escuche el borrador de permiso de DP-878

Escuche el borrador de permiso de DP-1163

Escuche el borrador de permiso de DP-1174

Escuche el borrador de permiso de DP-1886

Escuche el borrador de permiso de DP-1651

Escuche el borrador de permiso de DP-1132

Escuche el borrador de permiso de DP-1865

Escuche el borrador de permiso de DP-1007

Escuche el borrador de permiso de DP-1757

Escuche el borrador de permiso de DP-1740

Escuche el borrador de permiso de DP-384

Escuche el borrador de permiso de DP-932

Escuche el borrador de permiso de DP-1067

Escuche el borrador de permiso de DP-1154

Escuche el borrador de permiso de DP-1246

Escuche el borrador de permiso de DP-1332

Escuche el borrador de permiso de DP-1531

Escuche el borrador de permiso de DP-1784

Escuche el borrador de permiso de DP-75

Escuche el borrador de permiso de DP-1869

Escuche el borrador de permiso de DP-546

GWQB DISCHARGE PERMIT PUBLIC NOTICE CONTACT:

Lochlin Farrell: lochlin.farrell@state.nm.us or 505-827-2905

https://www.env.nm.gov/gwb/

Stay Connected with New Mexico Environment Department

Having trouble viewing this email? View it as a Web page.

SUBSCRIBER SERVICES:

Manage Subscriptions | Unsubscribe All | Help

NEW MEXICO
ENVIRONMENT DEPARTMENT

Ground Water Quality Bureau

1190 Saint Francis Drive / PO Box 5469
Santa Fe, NM 87502-5469
Phone (505) 827-2900 Fax (505) 827-2965
www.env.nm.gov

Michelle Lujan Grisham
Governor

Howie C. Morales
Lieutenant Governor

James C. Kenney
Cabinet Secretary

Jennifer J. Pruett
Deputy Secretary

PUBLIC NOTICE
Groundwater Discharge Permits Proposed for Approval
August 23, 2019

Dear Interested Party,

The New Mexico Environment Department (NMED) Ground Water Quality Bureau (GWQB) hereby provides notice that the following Groundwater Discharge Permits have been proposed for approval. NMED will allow 30 days after the date of publication of this notice (or as otherwise provided below) for submittal of written comments and/or a request for a public hearing for a permitting action. Requests for public hearing shall be in writing and shall set forth the reasons why a hearing should be held. A hearing will be held if NMED determines that there is substantial public interest. After the administrative record for a permitting action is complete and all required information is available, NMED will approve, approve with conditions, or disapprove the Permit based on the administrative record.

NMED maintains a Public Involvement Plan (PIP) for each permitting action to plan for providing public participation opportunities and information that may be needed for the community to participate in a permitting process. PIPs may be viewed on-line at https://www.env.nm.gov/gwqb/public-involvement-plans/, at the NMED field office nearest to the proposed permitted activity, or by contacting the NMED Permit Contact identified below. NMED also maintains facility-specific mailing lists for persons wishing to receive associated notices for a permitting action.

To learn more about a Discharge Permit and the permitting process, to be placed on a facility-specific mailing list, or to obtain a copy of a draft permit, contact the NMED Permit Contact at the number or address provided. Draft permits may be viewed on-line at https://www.env.nm.gov/gwqb/public-notice/. Comments or a request for hearing regarding a draft permit should be addressed to the GWQB, PO Box 5469, Santa Fe, NM 87502-5469, or emailed to the NMED Permit Contact.

If you are a non-English speaker, do not speak English well, or if you have a disability, you may contact the NMED Permit Contact to request assistance, an interpreter, or an auxiliary aid in order to learn more about a Discharge Permit or the permitting process, or to participate in activities associated with the permitting process. Requested interpretation services and accommodations or services for persons with disabilities will be arranged to the extent possible. Telephone conversation assistance is

available through Relay New Mexico at no charge for people who are deaf, hard of hearing, or have difficulty speaking on the phone, by calling 1-800-659-1779; TTY users: 1-800-659-8331; Spanish: 1-800-327-1857.

NMED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Parts 5 and 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non- discrimination programs, policies or procedures, you may contact: Kristine Yurdin, Non-Discrimination Coordinator, New Mexico Environment Department, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nd.coordinator@state.nm.us. If you believe that you have been discriminated against with respect to a NMED program or activity, you may contact the Non-Discrimination Coordinator identified above or visit our website at https://www.env.nm.gov/non-employee-discrimination-complaint-page/ to learn how and where to file a complaint of discrimination.

Sincerely,

Lochlin Farrell
Ground Water Quality Bureau

Enclosure: Groundwater Discharge Permits Proposed for Approval

Discharge Permit	Facility	Applicant	NMED Permit Contact
1887 **Closest City** Albuquerque **County** Bernalillo	Large-Scale Recharge Project (Click this link to view the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Albuquerque: 121 Tijeras Ave. NE, STE 1000 Albuquerque, NM 87102-3400	John M. Stomp, III P.E. Chief Operating Officer Albuquerque Bernalillo County Water Utility Authority PO Box 568 Albuquerque, NM 87103	Pamela Homer Geoscientist Reuse Team Leader Pamela.Homer2@state.nm.us Phone: 505-827-0018 Written comments or requests for a hearing for DP-1887 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-1887, Large-Scale Recharge Project: The Albuquerque Bernalillo County Water Utility Authority proposes to discharge up to 6.48 million gallons per day, but no more than 5,000 acre-feet per year, of surface water treated to drinking water standards into Class V Underground Injection Control wells as part of an aquifer storage and recovery project. Potential contaminants from this type of discharge include inorganic and organic compounds. The injection wells are located at 6000 Alexander Blvd. NE, Albuquerque, NM 87107, in Section 34, T11N, R03E, Bernalillo County. Groundwater most likely to be affected is at a depth of approximately 128 to 1,200 feet and had a pre-discharge total dissolved solids concentration of 309 to 1,040 milligrams per liter.

Discharge Permit	Facility	Applicant	NMED Permit Contact
760 **Closest City** Hagerman **County** Chaves	Town of Hagerman Wastewater Treatment Facility (Click this link to view the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Roswell: 1914 W. Second St. Roswell, NM 88201	The Honorable Tony Garcia Mayor Town of Hagerman PO Box 247 Hagerman, NM 88232	Sara Arthur Geoscientist Sara.Arthur@state.nm.us Phone (505) 222-9535 Written comments or requests for a hearing for DP-760 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-760, Town of Hagerman Wastewater Treatment Facility proposes to renew and modify the Discharge Permit for the storage of up to 81,200 gallons per day (gpd) of treated domestic wastewater in an impoundment system prior to discharge by center pivot to up to 62 acres of rangeland. The permit modification consists of an increase in the maximum daily discharge volume from 65,000 gpd to 81,200 gpd and the addition of a land application area. Potential contaminants associated with this type of discharge include nitrogen compounds, total dissolved solids (TDS) and chloride. The facility is located at 700 Navajo Road, Hagerman, in Sections 2 and 10, T14S, R26E, Chaves County. Groundwater most likely to be affected is at a depth of approximately 29 feet and had a pre-discharge TDS concentration of approximately 2,000 milligrams per liter.

Discharge Permit	Facility	Applicant	NMED Permit Contact
1041 **Closest City** Tatum **County** Chaves	Gandy-Marley Inc. (Click this link to view the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Roswell: 1914 W. Second St. Roswell, NM 88201	Larry Gandy President Gandy-Marley Inc. PO Box 1658 Roswell, NM 88202	Avery Young Geoscientist Avery.Young@state.nm.us Phone: (505) 827-2909 Written comments or requests for a hearing for DP-1041 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-1041, Gandy-Marley Inc.: Larry Gandy, President, proposes to renew the Discharge Permit for the discharge of up to 210,000 gallons per month of domestic septage, wastewater treatment plant sludge, grease trap waste, and grit trap waste and up to 10,000 cubic yards per month of hydrocarbon contaminated soil to a land disposal site. Potential contaminants associated with this type of discharge include nitrogen compounds, metals, and organic compounds. The facility is located on Hwy 380, approximately 33 miles northwest of Tatum, in Sections 8 and 9, T11S, R31E, Chaves County. Groundwater most likely to be affected is at a depth of approximately 122 feet and had a pre-discharge total dissolved solids concentration of approximately 8,970 milligrams per liter.

Discharge Permit	Facility	Applicant	NMED Permit Contact
878 **Closest City** Clovis **County** Curry	Rajen Dairy #2 (Click this link to view the Draft Permit) (Click this link to listen to the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Clovis: 100 E. Manana, Unit 3 Clovis, NM 88101	Randy Vander Dussen Rajen Dairy #2 948 Curry Road O Clovis, NM 88101	Steve Perez Geoscientist Steve.Perez@state.nm.us Phone: (505) 827-2434 Written comments or requests for a hearing for DP-878 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-878: Rajen Dairy #2 proposes to renew the Discharge Permit for the discharge of up to 79,000 gallons per day of agricultural wastewater from the production area of a dairy facility. Potential contaminants from this type of discharge include nitrogen compounds. The facility and discharge locations are located at 1157 Curry Road 7, approximately two miles south of Clovis, in Sections 34, 35, and 36, T02N, R35E, Curry County. Groundwater most likely to be affected is at a depth of approximately 320 feet below ground surface and had a pre-discharge total dissolved solids concentration of 180 milligrams per liter.

Discharge Permit	Facility	Applicant	NMED Permit Contact
1163 **Closest City** Clovis **County** Curry	North Point Dairy (Click this link to view the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Clovis: 100 E. Manana, Unit 3 Clovis, NM 88101	Eddie Schaap Owner North Point Dairy 2079 State Road 209 Clovis, NM 88101	Marc Bonem Environmental Scientist Acting Agricultural Team Leader Marc.Bonem@state.nm.us Phone: (505) 827-2791 Written comments or requests for a hearing for DP-1163 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-1163: North Point Dairy proposes to renew the Discharge Permit for the discharge of up to 125,000 gallons per day of wastewater from the production area of a dairy facility. Potential contaminants from this type of discharge include nitrogen compounds. The facility is located at 2149 Curry Rd H, in Sections 15, 21, 22, 27, and 28, T04N, R36E, Curry County. Groundwater most likely to be affected is at a depth of approximately 387 to 423 feet and had a pre-discharge total dissolved solids concentration of 260 milligrams per liter.

Discharge Permit	Facility	Applicant	NMED Permit Contact
1174 **Closest City** Las Cruces **County** Doña Ana	West Mesa Industrial Park Wastewater Treatment Facility (Click this link to view the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Las Cruces: 2301 Entrada Del Sol Las Cruces, NM 88001	Jorge A. Garcia, Phd., P.E. Utilities Director West Mesa Industrial Park Wastewater Treatment Facility PO Box 20000 Las Cruces, NM 88004-9002	Gerald Knutson Environmental Scientist Gerald.Knutson@state.nm.us Phone: (505) 827-2996 Written comments or requests for a hearing for DP-1174 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-1174, West Mesa Industrial Park Wastewater Treatment Facility: The City of Las Cruces proposes to renew the Discharge Permit for the discharge of up to 400,000 gallons per day of domestic and industrial wastewater to a treatment and disposal system. Potential contaminants from this type of discharge include nitrogen compounds. The facility is located at 999 Crawford Road, approximately 7 miles west of Las Cruces, in Section 35, T23S, R01W, Doña Ana County. The disposal area is located in Section 2, T24S, R01W, Doña Ana County. Groundwater most likely to be affected is at a depth of approximately 318 feet and had a pre-discharge total dissolved solids concentration of 687 milligrams per liter.

Discharge Permit	Facility	Applicant	NMED Permit Contact
1886 **Closest City** Artesia **County** Eddy	Bien Nacido LLC (Click this link to view the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Carlsbad: 406 N. Guadalupe, Suite C Carlsbad, NM 88220	Athena Valdez Owner Bien Nacido LLC PO Box 1458 Artesia, NM 88210	Jason Herman Domestic Team Leader Jason.Herman@state.nm.us Phone: (505) 827-2713 Written comments or requests for a hearing for DP-1886 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-1886, Bien Nacido LLC: Athena Valdez proposes to discharge up to 10,000 gallons per day of domestic septage to disposal cells. Potential contaminants from this type of discharge include nitrogen compounds. The facility is located at 6149 Seven Rivers Highway, approximately 5 miles South of Artesia, in Section 20, T18S, R26E, Eddy County. Groundwater most likely to be affected is at a depth of approximately 150 feet and had a pre-discharge total dissolved solids concentration of 1,660 milligrams per liter.

Discharge Permit	Facility	Applicant	NMED Permit Contact
1651 **Closest City** Lordsburg **County** Hidalgo	Banner Mill (Click this link to view the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Silver City: 3082 32nd Street By-Pass Rd. Suite D Silver City, NM 88061	Joseph Martini Pyramid Peak Mining LLC 9650 Gateway Drive Suite 202 Reno, NV 89521	George Llewellyn Hydrologist George.Llewellyn@state.nm.us Phone: (575) 956-1549 Written comments or requests for a hearing for DP-1651 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-1651, Banner Mill: Pyramid Peak Mining LLC proposes to renew the Discharge Permit for the discharge of up to 246,000 gallons per day of mill tailing slurry to a high-density polyethylene lined tailing impoundment. Potential contaminants from this type of discharge include total dissolved solids, sulfate, and metals. The facility is located on State Road 494, approximately 4.5 miles southwest of Lordsburg, in Sections 14 & 23, T23S, R19W, Hidalgo County. Groundwater most likely to be affected is at a depth of approximately 709 feet and had a pre-discharge total dissolved solids concentration of 1,800 milligrams per liter.

Discharge Permit 1132 **Closest City** Los Alamos **County** Los Alamos	**Facility** The Radioactive Liquid Waste Treatment Facility (Click this link to view the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Los Alamos: 1183 Diamond Drive Suite B Los Alamos, NM 87544 The Fact Sheet may be viewed online at https://www.env.nm.gov/gwqb/pps/ or at the NMED office in Los Alamos: 1183 Diamond Drive Suite B Los Alamos, NM 87544	**Applicant** DOE/ NNSA Los Alamos Field Office Jody Pugh Assistant Manager Mission Assurance & Infrastructure 3747 W. Jemez Road MS A316 Los Alamos, NM 87544 Triad National Security, LLC Enrique Torres Division Leader Environmental Protection & Compliance Division PO Box 1663, MS K491 Los Alamos, NM 87545	**NMED Permit Contact** Andrew Romero Geoscientist AndrewC.Romero@state.nm.us Telephone: (505) 827-0076 Written comments or requests for a hearing for DP-1132 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-1132: The Radioactive Liquid Waste Treatment Facility (RLWTF) is a wastewater treatment facility that receives and treats radioactive liquid waste (RLW) from waste generating locations at Los Alamos National Laboratory (LANL). The Discharge Permit authorizes the use of the RLWTF's multiple systems and associated units, including: the influent collection system; the influent storage system, i.e., the Waste Management Risk Mitigation Facility (WMRM); the low-level radioactive liquid waste treatment system; the transuranic wastewater treatment system; and the secondary treatment system. RLW treatment processes include chemical treatment in a reaction tank, filtration, ion exchange, and reverse osmosis. The Discharge Permit authorizes the discharge of treated water via the Mechanical Evaporator System (MES) and the Solar Evaporative Tank (SET) at TA-52. The discharge of treated water at an outfall (Outfall 051) is authorized by a National Pollutant Discharge Elimination System (NPDES) permit issued by the United States Environmental Protection Agency (EPA) pursuant to the federal Clean Water Act Section 402, 33 U.S.C § 1342. Up to 40,000 gallons per day may be discharged via the three processes identified above. The expected quality of the discharge is that it will meet all numerical groundwater standards identified in 20.6.2 NMAC. Potential contaminants associated with this waste stream include nitrogen compounds, metals, organic compounds, and low-level radioactive materials. The discharge is located within LANL, approximately 1.5 miles south of Los Alamos, New Mexico, in Sections 16, 17, 20, 21 and 22, Township 19N, Range 06E, Los Alamos County. Groundwater most likely to be affected ranges from depths of approximately one foot to 1,306 feet and has a total dissolved solids concentration ranging from approximately 162 to 255 milligrams per liter.

Discharge Permit	Facility	Applicant	NMED Permit Contact
1865 **Closest City** Deming **County** Luna	Southwest Wines (Click this link to view the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Deming: 405 E. Florida Street Deming, NM 88030	Brandon Young Chief Executive Officer Southwest Wines PO Box 1180 Deming, NM 88030	Matthew Smith Geoscientist Matthew.Smith3@state.nm.us Phone: (505) 827-2797 Written comments or requests for a hearing for DP-1865 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-1865: Southwest Wines proposes the discharge of up to 25,000 gallons per day of agricultural wastewater from a winery. Potential contaminants from this type of discharge include nitrogen compounds. The facility is located at 1325 De Baca Rd. SE, Deming, approximately 6 miles southeast of Deming, in Section 34, T23S, R08W, Luna County. Groundwater most likely to be affected is at a depth of approximately 114 feet and has a total dissolved solids concentration of 215 milligrams per liter.

Discharge Permit	Facility	Applicant	NMED Permit Contact
1007 **Closest City** Gallup **County** McKinley	T & R Market (Click this link to view the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Gallup 911 Metro Avenue Gallup, NM 87301	Shannon Tanner Owner T & R Market Inc. PO Box 477 Gallup, NM 87305	Avery Young Geoscientist Avery.Young@state.nm.us Phone: (505) 827-2909 Written comments or requests for a hearing for DP-1007 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-1007, T &R Market: Shannon Tanner, Owner, proposes to renew the Discharge Permit for the discharge of up to 15,000 gallons per day of domestic wastewater to a treatment and disposal system. Potential contaminants from this type of discharge include nitrogen compounds, dissolved solids, and chloride. The facility is located on Highway 491, approximately 6 miles north of Gallup, in Section 19, T16N, R18W, McKinley County. Groundwater most likely to be affected is at a depth of approximately 23 feet and had a pre-discharge total dissolved solids concentration of 792 milligrams per liter.

Discharge Permit	Facility	Applicant	NMED Permit Contact
1757 **Closest City** Alamogordo **County** Otero	Alamogordo Public Schools (Click this link to view the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Alamogordo: 811 E. First Street, Suite D Alamogordo, NM 88310	Justin Burks Chief of Capital Outlay & Facilities Alamogordo Public Schools PO Box 650 Alamogordo, NM 88310	Sara Arthur Geoscientist Sara.Arthur@state.nm.us Phone: (505) 222-9535 Written comments or requests for a hearing for DP-1757 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-1757: Alamogordo Public Schools proposes to renew the Discharge Permit for the discharge of up to 500,000 gallons per day of reclaimed domestic wastewater for irrigation. Potential contaminants from this type of discharge include nitrogen compounds. The irrigation sites are located at College Ave. and 15th St., Cuba Ave. and 7th St., Alaska Ave. and 1st St., Playa Azul Dr. and Santa Cruz Dr., Alamogordo, Otero County. Groundwater most likely to be affected is at a depth of approximately 150 to 200 feet and had a pre-discharge total dissolved solids concentration of 2,400 milligrams per liter.

Discharge Permit	Facility	Applicant	NMED Permit Contact
1740 **Closest City** Velarde **County** Rio Arriba	Black Mesa Winery (Click this link to view the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Espanola: 712 La Joya Street Espanola, NM 87532	Jerry Burd, Owner Black Mesa Winery PO Box 308 Velarde, NM 87582	Matthew Smith Geoscientist Matthew.Smith3@state.nm.us Phone: (505) 827-2797 Written comments or requests for a hearing for DP-1740 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-1740: Black Mesa Winery proposes a Discharge Permit for the discharge of up to 75 gallons per day of agricultural wastewater from a winery. Potential contaminants from this type of discharge include nitrogen and organic compounds (BOD). The facility and discharge locations are located at 1502 Hwy 68, Velarde, in Section 34, T23N, R09E, Rio Arriba County. Groundwater most likely to be affected is at a depth of approximately 17 feet and has a total dissolved solids concentration of 338 milligrams per liter.

Discharge Permit	Facility	Applicant	NMED Permit Contact
384 **Closest City** Portales **County** Roosevelt	Philmar Dairy (Click this link to view the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Clovis: 100 E. Manana, Unit 3 Clovis, NM 88101	Phil Douma, Owner Philmar Dairy 737 NM 267 Portales, NM 88130	Sarah Schnell Geoscientist Sarah.Schnell@state.nm.us Phone: (505) 222-9520 Written comments or requests for a hearing for DP-384 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-384: Philmar Dairy proposes to renew and modify the Discharge Permit for the discharge of up to 49,500 gallons per day of wastewater from the production area of a dairy facility. Potential contaminants from this type of discharge include nitrogen compounds. The facility and discharge locations are located at 544 Roosevelt Road Y, approximately seven miles west of Portales, in Sections 26, 27 and 34, T01S, R33E, Roosevelt County. Groundwater most likely to be affected is at a depth of approximately 103 feet and had a pre-discharge total dissolved solids concentration of 1,774 milligrams per liter.

Discharge Permit	Facility	Applicant	NMED Permit Contact
932 **Closest City** Clovis **County** Roosevelt	Milk Time Dairy (Click this link to view the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Clovis: 100 E. Manana, Unit 3 Clovis, NM 88101	Robert Brower Owner 389 S, RR X Portales, NM 88130	Marc Bonem Environmental Scientist Acting Agricultural Team Leader Marc.Bonem@state.nm.us Phone: (505) 827-2791 Written comments or requests for a hearing for DP-932 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-932: Milk Time Dairy proposes to renew the Discharge Permit for the discharge of up to 42,074 gallons per day of wastewater from the production area of a dairy facility. Potential contaminants from this type of discharge include nitrogen compounds. The facility and discharge locations are located at 43241 US Hwy 70, approximately 8 miles south of Clovis, in Sections 25 & 36, T01N, R35E and Sections 30 & 31, T01N, R36E, Roosevelt County. Groundwater most likely to be affected is at a depth of approximately 195 feet and had a pre-discharge total dissolved solids concentration of 655 milligrams per liter.

Discharge Permit	Facility	Applicant	NMED Permit Contact
1067 **Closest City** Portales **County** Roosevelt	Southern Sky Dairy (Click this link to view the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Clovis: 100 E. Manana, Unit 3 Clovis, NM 88101	Johnny Lieb Owner 317 E. 16th St. Portales, NM 88130	Steve Perez Geoscientist Steve.Perez@state.nm.us Phone: (505) 827-2434 Written comments or requests for a hearing for DP-1067 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-1067: Southern Sky Dairy proposes to renew the Discharge Permit for the discharge of up to 7,000 gallons per day of wastewater from the production area of a dairy facility. Potential contaminants from this type of discharge include nitrogen compounds. The facility and discharge locations are located at 1907 S Roosevelt Rd 7, in Section 10, T02S, R34E, Roosevelt County. Groundwater most likely to be affected is at a depth of approximately 82 feet and had a pre-discharge total dissolved solids concentration of 1,530 milligrams per liter.

Discharge Permit	Facility	Applicant	NMED Permit Contact
1154 **Closest City** Portales **County** Roosevelt	Native Pastures Dairy (Click this link to view the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Clovis: 100 E. Manana, Unit 3 Clovis, NM 88101	Art Schaap Native Pastures Dairy 650 Curry Road O Portales, NM 88101	Marc Bonem Environmental Scientist Acting Agricultural Team Leader Marc.Bonem@state.nm.us Phone: (505) 827-2791 Written comments or requests for a hearing for DP-1154 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-1154: Native Pastures Dairy proposes to renew and modify the Discharge Permit for the discharge of up to 49,500 gallons per day of wastewater from the production area of a dairy facility. Potential contaminants from this type of discharge include nitrogen compounds. The facility and discharge locations are located at 1437 NM 88, approximately 11 miles southeast of Portales, in Sections 27 and 28, T02S, R36E, Roosevelt County. Groundwater most likely to be affected is at a depth of approximately 93 feet and had a pre-discharge total dissolved solids concentration of 1,240 milligrams per liter.

Discharge Permit	Facility	Applicant	NMED Permit Contact
1246 **Closest City** Clovis **County** Roosevelt	Hide-A-Way Dairies (Click this link to view the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Clovis: 100 E. Manana, Unit 3 Clovis, NM 88101	Robert Vander Dussen 2709 Wilhite Rd. Clovis, NM 88101	Matthew Smith Geoscientist Matthew.Smith3@state.nm.us Phone: (505) 827-2797 Written comments or requests for a hearing for DP-1246 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-1246: Hide-A-Way Dairies proposes to renew and modify the Discharge Permit for the discharge of up to 122,500 gallons per day of wastewater from the production area of a dairy facility. Potential contaminants from this type of discharge include nitrogen compounds. The facility and discharge locations are located at 563 N. RR 3 approximately 9 miles southeast of Clovis, in Section 24, T01N, R36E, Roosevelt County. Groundwater most likely to be affected is at a depth of approximately 269 feet and had a pre-discharge total dissolved solids concentration of 340 milligrams per liter.

Discharge Permit	Facility	Applicant	NMED Permit Contact
1332 **Closest City** Clovis **County** Roosevelt	Opportunity Dairy, LLC (Click this link to view the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Clovis: 100 E. Manana, Unit 3 Clovis, NM 88101	Todd Teune Manager Opportunity Dairy, LLC 1369 CR 7 Clovis, NM 88101	Matthew Smith Geoscientist Matthew.Smith3@state.nm.us Phone: (505) 827-2797 Written comments or requests for a hearing for DP-1332 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-1332: Opportunity Dairy, LLC proposes to renew the Discharge Permit for the discharge of up to 65,000 gallons per day of wastewater from the production area of a dairy facility. Potential contaminants from this type of discharge include nitrogen compounds. The facility and discharge locations are located at 1101 N. Roosevelt Rd. 3, approximately 7 miles south of Clovis, in Section 19, T01N, R36E, and Section 24, T01N, R35E, Roosevelt County. Groundwater most likely to be affected is at a depth of approximately 275 feet and had a pre-discharge total dissolved solids concentration of 280 milligrams per liter.

Discharge Permit	Facility	Applicant	NMED Permit Contact
1531 **Closest City** Portales **County** Roosevelt	Arch Diamond Dairy (Click this link to view the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Clovis: 100 E. Manana, Unit 3 Clovis, NM 88101	Phillip Douma Owner Arch Diamond Dairy 737 NM 267 Portales, NM 88130	Matthew Smith Geoscientist Matthew.Smith3@state.nm.us Phone: (505) 827-2797 Written comments or requests for a hearing for DP-1531 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-1531: Arch Diamond Dairy proposes to renew the Discharge Permit for the discharge of up to 65,000 gallons per day of wastewater from the production area of a dairy facility. Potential contaminants from this type of discharge include nitrogen compounds. The facility is located at 1406 NM 88 (S RR 10), in Sections 17, 20, and 21, T02S, R36E, Roosevelt County. Groundwater most likely to be affected is at a depth of approximately 85 feet and had a pre-discharge total dissolved solids concentration of 960 milligrams per liter.

Discharge Permit	Facility	Applicant	NMED Permit Contact
1784 **Closest City** Las Vegas **County** San Miguel	New Mexico Highlands University (Click this link to view the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Las Vegas: 2538 Ridgerunner Rd. Las Vegas, NM 87701	New Mexico Highlands University Sylvia Baca, Director of Facilities Services PO Box 9000 Las Vegas, NM 87701	Sara Arthur Geoscientist Sara.Arthur@state.nm.us Phone: (505) 222-9535 Written comments or requests for a hearing for DP-1784 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-1784, New Mexico Highlands University proposes to renew the Discharge Permit for the discharge of up to 35,000 gallons per day of reclaimed domestic wastewater to athletic fields, parks, and landscaped areas on campus. Potential contaminants associated with this type of discharge include nitrogen compounds. The facility is located at 800 W. National Ave., Las Vegas, San Miguel County. Groundwater most likely to be affected is at a depth of approximately 7 feet and had a pre-discharge a total dissolved solids concentration of approximately 1,400 to 6,200 milligrams per liter.

Discharge Permit	Facility	Applicant	NMED Permit Contact
75 **Closest City** Santa Fe **County** Santa Fe	Bishop's Lodge (Click this link to view the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Santa Fe: 2540 Camino Edward Ortiz Santa Fe, NM 87507	Michael Shepard BL Santa Fe, LLC 112 W. San Francisco St. Suite 310 Santa Fe, NM 87501	Jason Herman Environmental Scientist Domestic Team Leader Jason.Herman@state.nm.us Phone: (505) 827-2713 Written comments or requests for a hearing for DP-75 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-75, Bishop's Lodge: BL Santa Fe, LLC proposes to renew and modify the Discharge Permit for the discharge of up to 50,000 gallons per day of domestic wastewater to a treatment and disposal system. Potential contaminants from this type of discharge include nitrogen compounds. The facility is located at 1297 Bishop's Lodge Road, Santa Fe, Santa Fe County. Groundwater most likely to be affected is at a depth of approximately 23 feet and had a pre-discharge total dissolved solids concentration of approximately 300 milligrams per liter.

Discharge Permit	Facility	Applicant	NMED Permit Contact
1869 **Closest City** Santa Fe **County** Santa Fe	The Club at Las Campanas (Click this link to view the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Santa Fe: 2540 Camino Edward Ortiz Santa Fe, NM 87507	Al Antonez General Manager/ COO The Club at Las Campanas, Inc. 132 Clubhouse Drive Santa Fe, NM 87506	Pam Homer Geoscientist Re-use Team Leader Pamela.Homer2@state.nm.us Phone: (505) 827-0018 Written comments or requests for a hearing for DP-1869 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-1869: The Club at Las Campanas proposes to discharge up to 320,000 gallons per day of reclaimed wastewater for irrigation. Potential contaminants from this type of discharge include nitrogen compounds. The facility is located at 437 Las Campanas Dr, Santa Fe, Santa Fe County. Groundwater most likely to be affected is at a depth of approximately 279 feet and had a pre-discharge total dissolved solids concentration of approximately 200 milligrams per liter.

Discharge Permit	Facility	Applicant	NMED Permit Contact
546 **Closest City** Arrey **County** Sierra	Caballo Dairy, LLC (Click this link to view the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Las Cruces: 2301 Entrada Del Sol, Las Cruces, NM 88001	Dustin Maloney 2025 Camino de Chavez Bosque Farms, NM 87068	Matthew Smith Geoscientist Matthew.Smith3@state.nm.us Phone: (505) 827-2797 Written comments or requests for a hearing for DP-546 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-546: Caballo Dairy, LLC, proposes to renew and modify the Discharge Permit for the discharge of up to 120,000 gallons per day of wastewater from the production area of a dairy facility. Potential contaminants from this type of discharge include nitrogen compounds. The facility and discharge locations are located at 1 Caballo Alto Road, approximately 1.5 miles south of Arrey, in Sections 13, 14, 23 and 24, T17S, R05W, Sierra County. Groundwater most likely to be affected is at a depth of approximately 11 feet and had a pre-discharge total dissolved solids concentration of 750 milligrams per liter.

Discharge Permit	Facility	Applicant	NMED Permit Contact
705 **Closest City** Arrey **County** Sierra	AA Chile Company, Inc. (Click this link to view the Draft Permit) The Public Involvement Plan may be viewed online at www.env.nm.gov/gwqb/public-involvement-plans/ or at the NMED office in Las Cruces: 2301 Entrada Del Sol, Las Cruces, NM 88001	Dennis F. Alberson Owner AA Chile Company, Inc. PO Box 660 Hatch, NM 87937	Marc Bonem Environmental Scientist Acting Agricultural Team Leader Marc.Bonem@state.nm.us Phone: (505) 827-2791 Written comments or requests for a hearing for DP-705 accepted until 5:00 p.m. MDT, September 23, 2019.

Notice: DP-705: AA Chile Company, Inc. proposes to renew and modify the Discharge Permit for the discharge of up to 17,500 gallons per day of wastewater from the production area of a chile facility. Potential contaminants from this type of discharge include nitrogen compounds. The facility and discharge locations are located 13578 N. Highway 187, approximately 0.65 miles south of Arrey, in Section 14, T17S, R05W, Sierra County. Groundwater most likely to be affected is at a depth of approximately 55 to 62 feet and had a pre-discharge total dissolved solids concentration of 240 to 930 milligrams per liter.

To view this and other public notices issued by the Ground Water Quality Bureau on-line, go to: https://www.env.nm.gov/gwqb/public-notice/

NEW MEXICO
ENVIRONMENT DEPARTMENT

Ground Water Quality Bureau

1190 Saint Francis Drive / PO Box 5469
Santa Fe, NM 87502-5469
Phone (505) 827-2900 Fax (505) 827-2965
www.env.nm.gov

Michelle Lujan Grisham
Governor

Howie C. Morales
Lieutenant Governor

James C. Kenney
Cabinet Secretary

Jennifer J. Pruett
Deputy Secretary

AVISO PÚBLICO
Permiso de Descarga en Aguas Subterráneas para su aprobación
23 de agosto de 2019

Estimada parte interesada,

La Oficina de Calidad de Aguas Subterráneas (GWQB, por sus siglas en inglés) del Departamento de Medio Ambiente de Nuevo México (NMED, por sus siglas en inglés) notifica por este medio que se han propuesto los siguientes Permisos de Descarga de Agua Subterránea para su aprobación. NMED permitirá 30 días después de la fecha de publicación de este aviso (o según lo dispuesto a continuación) para la presentación de comentarios por escrito y/o una solicitud de audiencia pública para una acción de permiso. Las solicitudes de audiencia pública deberán presentarse por escrito y expondrán los motivos por los cuales debe celebrarse una audiencia. Se llevará a cabo una audiencia si NMED determina que existe un interés público considerable. Después de que el registro administrativo para la acción de permiso esté completo y toda la información requerida esté disponible, NMED aprobará, aprobará con condiciones o denegará el Permiso basado en el registro administrativo.

NMED mantiene un Plan de Participación Pública (PIP, por sus siglas en inglés) para cada acción de permiso para planificar la facilitación de oportunidades de participación del público e información que pueda ser necesaria para que la comunidad participe en el proceso de permisos. Los PIP se pueden ver en línea en https://www.env.nm.gov/gwqb/public-involvement-plans/, en la oficina local de NMED más cercana a la actividad de permiso propuesta, o comunicándose con el contacto de permisos de NMED identificado a continuación. NMED también mantiene listas de correo específicas de las instalaciones para las personas que desean recibir avisos asociados para una acción de permiso.

Para obtener más información sobre un Permiso de Descarga y el proceso de permiso, para ser incluido en una lista de correo específica de la instalación, o para obtener una copia de un borrador de permiso, comuníquese con el contacto de permisos de NMED al número o dirección proporcionados. Los borradores de permisos se pueden ver en línea en https://www.env.nm.gov/gwqb/public-notice/. Los comentarios o las solicitudes de audiencia sobre un borrador de permiso deben dirigirse a GWQB, PO Box 5469, Santa Fe, NM 87502-5469, o enviarse por correo electrónico al contacto de permisos de NMED.

Si usted no habla inglés, no habla bien inglés, o si tiene una discapacidad, puede comunicarse con el contacto de permisos de NMED para solicitar asistencia, un intérprete o un dispositivo auxiliar con el fin de aprender más sobre un Permiso de Descarga o el proceso de permisos, o para participar en actividades asociadas con el proceso de permisos. Los servicios de interpretación solicitados y las acomodaciones o servicios para personas con discapacidades serán organizados en la medida de lo posible. Hay disponible asistencia para conversaciones telefónicas a través de Relay New Mexico de forma gratuita para las personas sordas, con problemas de audición o con dificultades para hablar por teléfono llamando al 1-800-659-1779; los usuarios de TTY: 1-800-659-8331; español: 1-800-327-1857.

NMED no discrimina por motivos de raza, color, origen nacional, discapacidad, edad o sexo en la administración de sus programas o actividades, según lo exigido por las leyes y los reglamentos correspondientes. NMED es responsable de la coordinación de los esfuerzos de cumplimiento y la recepción de consultas relativas a los requisitos de no discriminación implementados por 40 C.F.R. Partes 5 y 7, incluido el Título VI de la Ley de Derechos Civiles de 1964, según enmendada; Sección 504 de la Ley de Rehabilitación de 1973; la Ley de Discriminación por Edad de 1975, Título IX de las Enmiendas de Educación de 1972 y la Sección 13 de las Enmiendas a la Ley Federal de Control de Contaminación del Agua de 1972. Si usted tiene preguntas sobre este aviso o sobre cualquier programa, política o procedimiento de no discriminación de NMED, usted puede comunicarse con la Coordinadora de No Discriminación: Kristine Yurdin, Non-Discrimination Coordinator, New Mexico Environment Department, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nd.coordinator@state.nm.us. Si usted piensa que ha sido discriminado/a con respecto a un programa o actividad de NMED, usted puede comunicarse con la Coordinadora de No Discriminación antes indicada o visitar nuestro sitio web en https://www.env.nm.gov/non-employee-discrimination-complaint-page/ para aprender cómo y dónde presentar una queja de discriminación.

Sinceramente,

Lochlin Farrell

Lochlin Farrell
Oficina para el Control de la Calidad de las Aguas Subterránea

Adjunto: Permiso de Descarga en Aguas Subterráneas para su aprobación

Permiso de Descarga 1887 **Ciudad más cercana** Albuquerque **Condado** Bernalillo	**Instalaciones** Large-Scale Recharge Project (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Albuquerque: 121 Tijeras Ave. NE, STE 1000 Albuquerque, NM 87102-3400	**Solicitante** John M. Stomp, III P.E. Chief Operating Officer Albuquerque Bernalillo County Water Utility Authority PO Box 568 Albuquerque, NM 87103	**Contacto para el permiso del NMED** Pamela Homer Geoscientist Reuse Team Leader Pamela.Homer2@state.nm.us Teléfono: 505-827-0018 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-1887 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-1887, Large-Scale Recharge Project: Albuquerque Bernalillo County Water Utility Authority propone descargar hasta 6.48 millones de galones por día, pero no más de 5,000 acres-pies por año, de agua superficial tratada según los estándares de agua potable en pozos de Control de Inyección Subterránea Clase V como parte de un proyecto de recuperación y almacenamiento de acuíferos. Los posibles contaminantes asociados con este tipo de descarga incluyen compuestos orgánicos e inorgánicos. Los pozos de inyección están ubicados en la planta de tratamiento de agua, 6000 Alexander Blvd NE, Albuquerque, condado de Bernalillo. El agua subterránea que tiene más probabilidad de verse afectada se encuentra a una profundidad de 128 a 1,200 pies y tenía una concentración de sólidos disueltos totales antes del vertido de 309 a 1,040 miligramos por litro.

Permiso de Descarga 760 **Ciudad más cercana** Hagerman **Condado** Chaves	**Instalaciones** La Instalación de Tratamiento de Aguas Residuales de la localidad de Hagerman (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Roswell: 1914 W. Second St. Roswell, NM 88201	**Solicitante** The Honorable Tony Garcia Mayor Town of Hagerman PO Box 247 Hagerman, NM 88232	**Contacto para el permiso del NMED** Sara Arthur Geoscientist Sara.Arthur@state.nm.us Teléfono: (505) 222-9535 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-760 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-760, La Instalación de Tratamiento de Aguas Residuales de la localidad de Hagerman propone renovar y modificar el Permiso de Descarga para el almacenamiento de hasta 81,200 galones por día (gpd) de aguas residuales domésticas tratadas en un sistema de embalse antes de la descarga por pivote central a un máximo de 62 acres de pastizales. La modificación del permiso consiste en un aumento en el volumen máximo de descarga diaria de 65,000 gpd a 81,200 gpd y la adición de un área de aplicación en tierra. Los posibles contaminantes asociados con este tipo de descarga incluyen compuestos de nitrógeno, sólidos disueltos totales (TDS, por sus siglas en inglés) y cloruro. La instalación está ubicada en 700 Navajo Road, Hagerman, en las Secciones 2 y 10, T14S, R26 E, condado de Chaves. El agua subterránea con mayor probabilidad de verse afectada se encuentra a una profundidad aproximada de 29 pies y tenía una concentración de TDS antes del vertido de aproximadamente 2,000 miligramos por litro.

Permiso de Descarga 1041 **Ciudad más cercana** Tatum **Condado** Chaves	**Instalaciones** Gandy-Marley Inc. (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Roswell: 1914 W. Second St. Roswell, NM 88201	**Solicitante** Larry Gandy President Gandy-Marley Inc. PO Box 1658 Roswell, NM 88202	**Contacto para el permiso del NMED** Avery Young Geoscientist Avery.Young@state.nm.us Teléfono: (505) 827-2909 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-1041 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-1041, Gandy-Marley Inc.: Larry Gandy, presidente, propone renovar el Permiso de Descarga para la descarga de hasta 210,000 galones al mes de aguas sépticas domésticas, lodos de plantas de tratamiento de aguas residuales, residuos de trampas de grasa y residuos de trampas de arena y hasta un máximo de 10,000 yardas cúbicas al mes de suelo contaminado con hidrocarburos a un sitio de eliminación de tierra. Los posibles contaminantes asociados con este tipo de descarga incluyen compuestos de nitrógeno, metales, y compuestos orgánicos. La instalación está ubicada en Hwy 380, aproximadamente a 33 millas al noroeste de Tatum, en las Secciones 8 y 9, T11S, R31E, condado de Chaves. El agua subterránea que tiene mayor probabilidad de verse afectada se encuentra a una profundidad aproximada de 122 pies y tenía una concentración total de sólidos disueltos antes del vertido de 8,970 miligramos por litro.

Permiso de Descarga 878 **Ciudad más cercana** Clovis **Condado** Curry	**Instalaciones** Rajen Dairy #2 (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Clovis: 100 E. Manana, Unit 3 Clovis, NM 88101	**Solicitante** Randy Vander Dussen Rajen Dairy #2 948 Curry Road O Clovis, NM 88101	**Contacto para el permiso del NMED** Steve Perez Geoscientist Steve.Perez@state.nm.us Teléfono: (505) 827-2434 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-878 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-878: Rajen Dairy #2 propone renovar el Permiso de Descarga para la descarga de hasta 79,000 galones por día de aguas residuales desde el área de producción de una instalación lechera. Los posibles contaminantes asociados con este tipo de descarga incluyen compuestos de nitrógeno. La instalación está ubicada en 1157 Curry Road 7, aproximadamente a 2 millas al sur de Clovis, en las Secciones 34, 35, and 36, T02N, R35E, condado de Curry. El agua subterránea que tiene más probabilidad de verse afectada se encuentra a una profundidad de aproximadamente 320 pies bajo la superficie del suelo y tenía una concentración de sólidos disueltos totales antes del vertido de 180 miligramos por litro.

Permiso de Descarga 1163 **Ciudad más cercana** Clovis **Condado** Curry	**Instalaciones** North Point Dairy (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Clovis: 100 E. Manana, Unit 3 Clovis, NM 88101	**Solicitante** Eddie Schaap Owner North Point Dairy 2079 State Road 209 Clovis, NM 88101	**Contacto para el permiso del NMED** Marc Bonem Environmental Scientist Acting Agricultural Team Leader Marc.Bonem@state.nm.us Teléfono: (505) 827-2791 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-1163 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-1163: North Point Dairy propone renovar el Permiso de Descarga para la descarga de hasta 125,000 galones al día de aguas residuales desde el área de producción de una instalación lechera. Los posibles contaminantes asociados con este tipo de descarga incluyen compuestos de nitrógeno. La instalación está ubicada en 2149 Curry Rd H, en las Secciones 15, 21, 22, 27, y 28, T04N, R36E, condado de Curry. El agua subterránea que tiene mayor probabilidad de verse afectada se encuentra a una profundidad aproximada de 387 a 423 pies y tenía una concentración de sólidos disueltos totales antes del vertido de 260 miligramos por litro.

Permiso de Descarga 1174 **Ciudad más cercana** Las Cruces **Condado** Doña Ana	**Instalaciones** West Mesa Industrial Park Wastewater Treatment Facility (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Las Cruces: 2301 Entrada Del Sol Las Cruces, NM 88001	**Solicitante** Jorge A. Garcia, Phd., P.E. Utilities Director West Mesa Industrial Park Wastewater Treatment Facility PO Box 2000 Las Cruces, NM 88005	**Contacto para el permiso del NMED** Gerald Knutson Environmental Scientist Gerald.Knutson@state.nm.us Teléfono: (505) 827-2996 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-1174 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-1174, planta de tratamiento de aguas residuales de West Mesa Industrial Park: la ciudad de Las Cruces propone renovar el Permiso de Descarga para la descarga de hasta 400,000 galones por día de aguas residuales domésticas e industriales a un sistema de tratamiento y eliminación. Los posibles contaminantes asociados con este tipo de descarga incluyen compuestos de nitrógeno. La instalación está ubicada en 999 Crawford Road, aproximadamente a 7 millas al oeste de Las Cruces, en la Sección 35, T23S, R01W, condado de Doña Ana. El agua subterránea que tiene más probabilidad de verse afectada se encuentra a una profundidad de 318 pies aproximadamente y tenía una concentración de sólidos disueltos totales antes del vertido de 687 miligramos por litro.

Permiso de Descarga 1886 **Ciudad más cercana** Artesia **Condado** Eddy	**Instalaciones** Bien Nacido LLC (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Carlsbad: 406 N. Guadalupe, Suite C Carlsbad, NM 88220	**Solicitante** Athena Valdez Owner Bien Nacido LLC PO Box 1458 Artesia, NM 88210	**Contacto para el permiso del NMED** Jason Herman Domestic Team Leader Jason.Herman@state.nm.us Teléfono: (505) 827-2713 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-1886 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-1886, Bien Nacido LLC: Athena Valdez propone descargar hasta 10,000 galones por día de residuos sépticos domésticos a celdas de eliminación. Los posibles contaminantes asociados con este tipo de descarga incluyen compuestos de nitrógeno. La instalación está ubicada en 6149 Seven Rivers Highway, aproximadamente a 5 millas al sur de Artesia, en la Sección 20, T18S, R26E, condado de Eddy. El agua subterránea que tiene más probabilidad de verse afectada se encuentra a una profundidad aproximada de 150 pies y tenía una concentración de sólidos disueltos totales antes del vertido de 1,660 miligramos por litro.

Permiso de Descarga 1651 **Ciudad más cercana** Lordsburg **Condado** Hidalgo	**Instalaciones** Banner Mill (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Silver City: 3082 32nd Street By-Pass Rd. Suite D Silver City, NM 88061	**Solicitante** Joseph Martini Pyramid Peak Mining LLC 9650 Gateway Drive Suite 202 Reno, NV 89521	**Contacto para el permiso del NMED** George Llewellyn Hydrologist George.Llewellyn@state.nm.us Teléfono: (575) 956-1549 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-1651 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-1651, Banner Mill: Pyramid Peak Mining LLC propone renovar el Permiso de Descarga para la descarga de hasta 246,000 galones por día de lodo de cola a un depósito de colas revestido de polietileno de alta densidad. Los posibles contaminantes asociados con este tipo de descarga incluyen sólidos disueltos totales, sulfato y metales. La instalación está ubicada en State Road 494, aproximadamente a 4.5 millas al suroeste de Lordsburg, en las Secciones 14 y 23 T23S, R19W, condado de Hidalgo. El agua subterránea que tiene más probabilidad de verse afectada se encuentra a una profundidad aproximada de 709 pies y tenía una concentración de sólidos disueltos totales antes del vertido de 1,800 miligramos por litro.

Permiso de Descarga 1132 **Ciudad más cercana** Los Alamos **Condado** Los Alamos	**Instalaciones** La Planta de Tratamiento de Residuos Líquidos Radioactivos (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Los Alamos: 1183 Diamond Drive Suite B Los Alamos, NM 87544 La Hoja Informativa puede verse en línea en https://www.env.nm.gov/gwqb/pps/ o en la oficina de NMED en Los Alamos: 1183 Diamond Drive Suite B Los Alamos, NM 87544	**Solicitante** DOE/ NNSA Los Alamos Field Office Jody Pugh Assistant Manager Mission Assurance & Infrastructure 3747 W. Jemez Road MS A316 Los Alamos, NM 87544 Triad National Security, LLC Enrique Torres Division Leader Environmental Protection & Compliance Division PO Box 1663, MS K491 Los Alamos, NM 87545	**Contacto para el permiso del NMED** Andrew Romero Geoscientist AndrewC.Romero@state.nm.us Teléfono: (505) 827-0076 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-1132 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-1132: La Planta de Tratamiento de Residuos Líquidos Radioactivos (RLWTF por su sigla en inglés) es una planta de tratamiento de aguas residuales que recibe y trata residuos líquidos radioactivos (RLW por su sigla en inglés) de los sectores generadores de residuos de Laboratorio Nacional Los Álamos (LANL). El Permiso de Descarga autoriza el uso de múltiples sistemas y de unidades asociadas de la planta RLWTF, que incluyen: el sistema de recolección de afluentes; el sistema de almacenamiento de afluentes, que corresponde a las Instalaciones de Mitigación de Riesgo del Manejo de Residuos (WMRM por su sigla en inglés); el sistema de tratamiento de residuos líquidos de bajo nivel radioactivo; el sistema de tratamiento de aguas residuales transuránicas; y el sistema de tratamiento secundario. Los procesos de tratamiento de RLW incluyen tratamiento químico en un tanque de reacción, filtración, intercambio iónico y ósmosis inversa. El Permiso de Descarga autoriza la descarga del agua tratada por medio del Sistema Evaporador Mecánico (MES por su sigla en inglés) y el Tanque de Evaporación Solar (SET) en el Área Técnica TA-52. La descarga de agua tratada en un desagüe (Desagüe 051) está autorizada por un permiso del Sistema Nacional de Eliminación de Descargas de Contaminantes (NPDES por su sigla en inglés) otorgado por la Agencia de Protección Ambiental (EPA por su sigla en inglés) de Estados Unidos conforme a la Ley Federal de Agua Limpia, Sección 402, 33 U.S.C § 1342. Mediante los tres procesos antes identificados, se podrán descargar hasta 40,000 galones por día. La calidad esperada de la descarga es que cumplirá con todos los estándares numéricos para aguas subterráneas identificados en 20.6.2 NMAC. Los posibles contaminantes asociados con esta corriente de residuos incluyen compuestos de nitrógeno, metales, compuestos orgánicos y materiales radiactivos de bajo nivel. La descarga se encuentra dentro del LANL, aproximadamente 1.5 millas al sur de Los Álamos, Nuevo México, en las Secciones 16, 17, 20, 21 y 22; Distrito Municipal (Township) 19N; Zona (Range) 06E; condado de Los Álamos. Las aguas subterráneas con mayor probabilidad de ser afectadas se encuentran en un rango de profundidades de uno a 1,306 pies aproximadamente, y tienen una concentración de sólidos disueltos totales en un rango de 162 a 255 miligramos por litro aproximadamente.

Permiso de Descarga 1865 **Ciudad más cercana** Deming **Condado** Luna	**Instalaciones** Southwest Wines (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Deming: 405 E. Florida Street Deming, NM 88030	**Solicitante** Brandon Young Chief Executive Officer Southwest Wines PO Box 1180 Deming, NM 88030	**Contacto para el permiso del NMED** Matthew Smith Geoscientist Matthew.Smith3@state.nm.us Teléfono: (505) 827- 2797 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-1865 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-1865: Southwest Wines propone el Permiso de Descarga para la descarga de hasta 25,000 galones por día de aguas residuales agrícolas de una bodega. Los posibles contaminantes asociados con este tipo de descarga incluyen compuestos de nitrógeno. La instalación está ubicada en 1325 De Baca Rd. SE, aproximadamente a 6 millas al sur este de Deming, en la Sección 34, T23S, R08W, del condado de Luna. El agua subterránea que tiene más probabilidad de verse afectada se encuentra a una profundidad de aproximadamente 114 pies y tenía una concentración de sólidos disueltos totales antes del vertido de 215 miligramos por litro.

Permiso de Descarga 1007 **Ciudad más cercana** Gallup **Condado** McKinley	**Instalaciones** T & R Market (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Gallup 911 Metro Avenue Gallup, NM 87301	**Solicitante** Shannon Tanner Owner T & R Market Inc. PO Box 477 Gallup, NM 87305	**Contacto para el permiso del NMED** Avery Young Geoscientist Avery.Young@state.nm.us Teléfono: (505) 827-2909 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-1007 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-1007, T & R Market: Shannon Tanner, propietaria, propone renovar el Permiso de Descarga para la descarga de hasta 15,000 galones por día de aguas residuales domésticas a un sistema de tratamiento y eliminación. Los posibles contaminantes asociados con este tipo de descarga incluyen compuestos de nitrógeno, sólidos disueltos, y cloruro. La instalación está ubicada en Highway 491, aproximadamente a 6 millas al norte de Gallup, en la Sección 19, T16N, R18W, condado de McKinley. El agua subterránea que tiene más probabilidad de verse afectada se encuentra a una profundidad aproximada de 23 pies y tenía una concentración de sólidos disueltos totales antes del vertido de 792 miligramos por litro.

Permiso de Descarga 1757 **Ciudad más cercana** Alamogordo **Condado** Otero	**Instalaciones** La escuela pública de Alamogordo (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Alamogordo: 811 E. First Street, Suite D Alamogordo, NM 88310	**Solicitante** Justin Burks Chief of Capital Outlay & Facilities Alamogordo Public Schools PO Box 650 Alamogordo, NM 88310	**Contacto para el permiso del NMED** Sara Arthur Geoscientist Sara.Arthur@state.nm.us Teléfono: (505) 222-9535 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-1757 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-1757: La escuela pública de Alamogordo propone renovar el Permiso de Descarga para la descarga de hasta 500,000 galones por día de aguas residuales domésticas recuperadas para riego. Los posibles contaminantes asociados con este tipo de descarga incluyen compuestos de nitrógeno. Los sitios del riego se encuentran en College Ave y 15th St., Cuba Ave y 7th St., Alaska Ave. y 1st St., Playa Azul Dr. y Santa Cruz Dr., Alamogordo, condado de Otero. El agua subterránea que tiene más probabilidad de verse afectada se encuentra a una profundidad de 150 a 200 pies aproximadamente y tenía una concentración de sólidos disueltos totales antes del vertido de 2,400 miligramos por litro.

Permiso de Descarga 1740 **Ciudad más cercana** Velarde **Condado** Rio Arriba	**Instalaciones** Black Mesa Winery (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Espanola: 712 La Joya Street Espanola, NM 87532	**Solicitante** Jerry Burd, Owner Black Mesa Winery PO Box 308 Velarde, NM 87582	**Contacto para el permiso del NMED** Matthew Smith Matthew.Smith3@state.nm.us Geoscientist Teléfono: (505) 827-2797 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-1740 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-1740: Black Mesa Winery propone un Permiso de Descarga para la descarga de hasta 75 galones por día de aguas residuales agrícolas de una bodega. Los posibles contaminantes de este tipo de descarga incluyen nitrógeno y compuestos orgánicos (DBO). La instalación y las ubicaciones de descarga se encuentran en 1502 Hwy 68, Velarde, en la Sección 34, T23N, R09E, condado de Río Arriba. El agua subterránea con mayor probabilidad de verse afectada se encuentra a una profundidad aproximada de 17 pies y tiene una concentración de sólidos disueltos totales de 338 miligramos por litro.

Permiso de Descarga 384 **Ciudad más cercana** Portales **Condado** Roosevelt	**Instalaciones** Philmar Dairy (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Clovis: 100 E. Manana, Unit 3 Clovis, NM 88101	**Solicitante** Phil Douma, Owner Philmar Dairy 737 NM 267 Portales, NM 88130	**Contacto para el permiso del NMED** Sarah Schnell Geoscientist Sarah.Schnell@state.nm.us Teléfono: 505-222-9520 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-384 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-384: Philmar Dairy propone renovar y modificar el Permiso de Descarga para la descarga de hasta 49,500 galones por día de aguas residuales del área de producción de una instalación lechera. Los posibles contaminantes de este tipo de descarga incluyen compuestos de nitrógeno. La instalación y las ubicaciones de descarga se encuentran en 544 Roosevelt Road Y, aproximadamente a siete millas al oeste de Portales, en las Secciones 26, 27 y 34, T01S, R33E, condado de Roosevelt. El agua subterránea con mayor probabilidad de verse afectada se encuentra a una profundidad aproximada de 103 pies y tenía una concentración de sólidos disueltos totales antes del vertido de 1,774 miligramos por litro.

Permiso de Descarga 932 **Ciudad más cercana** Clovis **Condado** Roosevelt	**Instalaciones** Milk Time Dairy (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Clovis: 100 E. Manana, Unit 3 Clovis, NM 88101	**Solicitante** Robert Brower Owner 389 S, RR X Portales, NM 88130	**Contacto para el permiso del NMED** Marc Bonem Acting Agricultural Team Leader Marc.Bonem@state.nm.us Teléfono: (505) 827-2791 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-932 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-932: Milk Time Dairy propone renovar el Permiso de Descarga para la descarga de hasta 42,074 galones por día de aguas residuales del área de producción de una instalación lechera. Los posibles contaminantes de este tipo de descarga incluyen compuestos de nitrógeno. La instalación y las ubicaciones de descarga se encuentran en 43241 US Hwy 70, aproximadamente a 8 millas al sur de Clovis, en las Secciones 25 y 36, T01N, R35E y las Secciones 30 y 31, T01N, R36E, condado de Roosevelt. El agua subterránea con mayor probabilidad de verse afectada se encuentra a una profundidad aproximada de 195 pies y tenía una concentración de sólidos disueltos totales antes del vertido de 655 miligramos por litro.

Permiso de Descarga 1067 **Ciudad más cercana** Portales **Condado** Roosevelt	**Instalaciones** Southern Sky Dairy (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Clovis: 100 E. Manana, Unit 3 Clovis, NM 88101	**Solicitante** Johnny Lieb Owner 317 E. 16th St. Portales, NM 88130	**Contacto para el permiso del NMED** Steve Perez Geoscientist Steve.Perez@state.nm.us Teléfono: (505) 827-2434 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-1067 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-1067: Southern Sky Dairy propone renovar el Permiso de Descarga para la descarga de hasta 7,000 galones por día de aguas residuales del área de producción de una instalación lechera. Los posibles contaminantes de este tipo de descarga incluyen compuestos de nitrógeno. La instalación y las ubicaciones de descarga se encuentran en 1907 S Roosevelt Rd 7, en la Sección 10, T02S, R34E, condado de Roosevelt. El agua subterránea con mayor probabilidad de verse afectada se encuentra a una profundidad aproximada de 82 pies y tenía una concentración de sólidos disueltos totales antes del vertido de 1,530 miligramos por litro.

Permiso de Descarga 1154 **Ciudad más cercana** Portales **Condado** Roosevelt	**Instalaciones** Native Pastures Dairy (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Clovis: 100 E. Manana, Unit 3 Clovis, NM 88101	**Solicitante** Art Schaap Native Pastures Dairy 650 Curry Road O Portales, NM 88101	**Contacto para el permiso del NMED** Marc Bonem Environmental Scientist Acting Agricultural Team Leader Marc.Bonem@state.nm.us Teléfono: (505) 827-2791 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-1154 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-1154: Native Pastures Dairy propone renovar y modificar el Permiso de Descarga para la descarga de hasta 49,500 galones por día de aguas residuales del área de producción de una instalación lechera. Los posibles contaminantes asociados con este tipo de descarga incluyen compuestos de nitrógeno. La instalación y los lugares de descarga se encuentran en 1437 NM 88, aproximadamente a 11 millas al sureste de Portales, en las Secciones 27 y 28, T02S, R36E, condado de Roosevelt. El agua subterránea que tiene más probabilidad de verse afectada se encuentra a una profundidad aproximada de 93 pies y tenía una concentración de sólidos disueltos totales antes del vertido de 1,240 miligramos por litro.

Permiso de Descarga 1246 **Ciudad más cercana** Clovis **Condado** Roosevelt	**Instalaciones** Hide-A-Way Dairies (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Clovis: 100 E. Manana, Unit 3 Clovis, NM 88101	**Solicitante** Robert Vander Dussen 2709 Wilhite Rd Clovis, NM 88101	**Contacto para el permiso del NMED** Matthew Smith Geoscientist Matthew.Smith3@state.nm.us Teléfono: (505) 827- 2797 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-1246 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-1246: Hide-A-Way Dairies propone renovar y modificar el Permiso de Descarga para la descarga de hasta 122,500 galones por día de aguas residuales desde el área de producción de una instalación lechera. Los posibles contaminantes asociados con este tipo de descarga incluyen compuestos de nitrógeno. La instalación y lugares de descarga están ubicadas en 563 N. RR 3, aproximadamente a 9 millas al sureste de Clovis, en la Sección 24, T01N, R36E, condado de Roosevelt. El agua subterránea que tiene más probabilidad de verse afectada se encuentra a una profundidad aproximada de 269 pies y tenía una concentración de sólidos disueltos totales antes del vertido de 340 miligramos por litro.

Permiso de Descarga 1332 **Ciudad más cercana** Clovis **Condado** Roosevelt	**Instalaciones** Opportunity Dairy, LLC (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Clovis: 100 E. Manana, Unit 3 Clovis, NM 88101	**Solicitante** Todd Teune Manager Opportunity Dairy, LLC 1369 CR 7 Clovis, NM 88101	**Contacto para el permiso del NMED** Matthew Smith Geoscientist Matthew.Smith3@state.nm.us Teléfono: (505) 827-2797 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-1332 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-1332: Opportunity Dairy, LLC propone renovar el Permiso de Descarga para la descarga de hasta 65,000 galones por día de aguas residuales del área de producción de una instalación láctea. Los posibles contaminantes asociados con este tipo de descarga incluyen compuestos de nitrógeno. Las instalaciones y los lugares de descarga se encuentran en 1101 N. Roosevelt Rd. 3, aproximadamente a 7 millas al sur de Clovis, en la Sección 19, T01N, R36E, y la Sección 24, T01N, R35E, condado de Roosevelt. El agua subterránea que tiene más probabilidad de verse afectada se encuentra a una profundidad aproximada de 275 pies y tenía una concentración de sólidos disueltos totales antes del vertido de 280 miligramos por litro.

Permiso de Descarga 1531	**Instalaciones**	**Solicitante**	**Contacto para el permiso del NMED**
Ciudad más cercana Portales **Condado** Roosevelt	Arch Diamond Dairy (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Clovis: 100 E. Manana, Unit 3 Clovis, NM 88101	Phillip Douma Owner Arch Diamond Dairy 737 NM 267 Portales, NM 88130	Matthew Smith Geoscientist Matthew.Smith3@state.nm.us Teléfono: (505) 827- 2797 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-1531 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-1531: Arch Diamond Dairy propone renovar el Permiso de Descarga para la descarga de hasta 65,000 galones por día de aguas residuales desde el área de producción de una instalación lechera. Los posibles contaminantes asociados con este tipo de descarga incluyen compuestos de nitrógeno. La instalación está ubicada en 1406 NM 88 (S RR 10), en las Secciones 17, 20, and 21, T02S, R36E, condado de Roosevelt. El agua subterránea que tiene mayor probabilidad de verse afectada se encuentra a una profundidad aproximada de 85 pies y tenía una concentración de sólidos disueltos totales antes del vertido de 960 miligramos por litro.

Permiso de Descarga 1784	**Instalaciones**	**Solicitante**	**Contacto para el permiso del NMED**
Ciudad más cercana Las Vegas **Condado** San Miguel	New Mexico Highlands University (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Las Vegas: 2538 Ridgerunner Road Las Vegas, NM 87701	New Mexico Highlands University Sylvia Baca, Director of Facilities Services PO Box 9000 Las Vegas, NM 87701	Sara Arthur Geoscientist Sara.Arthur@state.nm.us Teléfono: (505) 222-9535 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-1784 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-1784, New Mexico Highlands University propone renovar el Permiso de Descarga para la descarga de hasta 35,000 galones al día de aguas residuales domésticas recuperadas a campos deportivos, parques y áreas ajardinadas en el campus. Los posibles contaminantes asociados con este tipo de descarga incluyen compuestos de nitrógeno. La instalación está ubicada en 800 W. National Ave., Las Vegas, condado de San Miguel. El agua subterránea que tiene mayor probabilidad de verse afectada se encuentra a una profundidad aproximada de 7 pies y tenía una concentración de sólidos disueltos totales antes del vertido de aproximadamente 1,400 a 6,200 miligramos por litro.

Permiso de Descarga 75 **Ciudad más cercana** Santa Fe **Condado** Santa Fe	**Instalaciones** Bishop's Lodge (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Santa Fe: 2540 Camino Edward Ortiz Santa Fe, NM 87507	**Solicitante** Michael Shepard BL Santa Fe, LLC 112 W. San Francisco St. Suite 310 Santa Fe, NM 87501	**Contacto para el permiso del NMED** Jason Herman Environmental Scientist Domestic Team Leader Jason.Herman@state.nm.us Teléfono: (505) 827-2713 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-75 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-75, Bishop's Lodge: BL Santa Fe, LLC propone renovar y modificar el Permiso de Descarga para la descarga de hasta 50,000 galones por día de aguas residuales domésticas a un sistema de tratamiento y eliminación. Los posibles contaminantes asociados con este tipo de descarga incluyen compuestos de nitrógeno. La instalación está ubicada en 1297 Bishop's Lodge Road, Santa Fe, condado de Santa Fe. El agua subterránea que tiene mayor probabilidad de verse afectada se encuentra a una profundidad de aproximadamente 23 pies y tenía una concentración de sólidos disueltos totales antes del vertido de 300 miligramos por litro aproximadamente.

Permiso de Descarga 1869 **Ciudad más cercana** Santa Fe **Condado** Santa Fe	**Instalaciones** The Club at Las Campanas (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Santa Fe: 2540 Camino Edward Ortiz Santa Fe, NM 87507	**Solicitante** Al Antonez General Manager/ COO The Club at Las Campanas, Inc. 132 Clubhouse Drive Santa Fe, NM 87506	**Contacto para el permiso del NMED** Pam Homer Geoscientist Re-use Team Leader Pamela.Homer2@state.nm.us Teléfono: (505) 827-0018 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-1869 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-1869: el Club en Las Campanas propone descargar hasta 320,000 galones por día de aguas residuales recuperadas para el riego. Los posibles contaminantes asociados con este tipo de descarga incluyen compuestos de nitrógeno. La instalación está ubicada en 437 Las Campanas Dr., Santa Fe, condado de Santa Fe. El agua subterránea que tiene mayor probabilidad de verse afectada se encuentra a una profundidad de 279 pies aproximadamente y tenía una concentración de sólidos disueltos totales antes del vertido de aproximadamente 200 miligramos por litro.

Permiso de Descarga 546 **Ciudad más cercana** Arrey **Condado** Sierra	**Instalaciones** Caballo Dairy, LLC (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Las Cruces: 2301 Entrada Del Sol, Las Cruces, NM 88001	**Solicitante** Dustin Maloney 2025 Camino de Chavez Bosque Farms, NM 87068	**Contacto para el permiso del NMED** Matthew Smith Geoscientist Matthew.Smith3@state.nm.us Teléfono: (505) 827-2797 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-546 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-546: Caballo Dairy, LLC, propone renovar y modificar el Permiso de Descarga para la descarga de hasta 120,000 galones por día de aguas residuales del área de producción de una instalación lechera. Los posibles contaminantes de este tipo de descarga incluyen compuestos de nitrógeno. La instalación y las ubicaciones de descarga se encuentran en 1 Caballo Alto Road, aproximadamente a 1.5 millas al sur de Arrey, en las Secciones 13, 14, 23 y 24, T17S, R05W, condado de Sierra. El agua subterránea con mayor probabilidad de verse afectada se encuentra a una profundidad aproximada de 11 pies y tenía una concentración de sólidos disueltos totales antes del vertido de 750 miligramos por litro.

Permiso de Descarga 705 **Ciudad más cercana** Arrey **Condado** Sierra	**Instalaciones** AA Chile Company, Inc. (Haga clic en este enlace para ver el Borrador de Permiso) El Plan de Participación Pública puede verse en línea en www.env.nm.gov/gwqb/public-involvement-plans/ o en la oficina de NMED en Las Cruces: 2301 Entrada Del Sol, Las Cruces, NM 88001	**Solicitante** Dennis F. Alberson, Owner AA Chile Company, Inc. PO Box 660 Hatch, NM 87937	**Contacto para el permiso del NMED** Marc Bonem Acting Agricultural Team Leader Marc.Bonem@state.nm.us Teléfono: (505) 827-2791 Se aceptan comentarios por escrito o solicitudes de audiencia para el DP-705 hasta las 5:00 p. m. (Horario de Verano de la Montaña) del 23 de septiembre de 2019.

Aviso: DP-705: AA Chile Company, Inc. propone renovar y modificar el Permiso de Descarga para la descarga de hasta 17,500 galones por día de aguas residuales desde una instalación de procesamiento de chile. Los posibles contaminantes asociados con este tipo de descarga incluyen compuestos de nitrógeno. La instalación y los lugares de descarga se encuentran en 13578 N. Highway 187, aproximadamente a 0.65 millas al sur de Arrey, en la Sección 14, T17S, R05W, condado de Sierra. El agua subterránea que tiene más probabilidad de verse afectada se encuentra a una profundidad aproximada de 55 a 62 pies y tenía una concentración de sólidos disueltos totales antes del vertido de 240 a 930 miligramos por litro.

Para ver en línea este y otros avisos públicos emitidos por la Oficina de Calidad de las Aguas Subterráneas, visite: https://www.env.nm.gov/gwqb/public-notice/

New Mexico Environment Department – Ground Water Quality Bureau

The New Mexico Environment Department (NMED) Ground Water Quality Bureau (GWQB) hereby provides notice that the following Groundwater Discharge Permits have been proposed for approval. NMED will allow 30 days after the date of publication of this notice for submittal of written comments and/or a request for a public hearing for a permitting action. Requests for public hearing shall be in writing and shall set forth the reasons why a hearing should be held. A hearing will be held if NMED determines that there is substantial public interest. After the administrative record for a permitting action is complete and all required information is available, NMED will approve, approve with conditions, or disapprove the Permit based on the administrative record. NMED maintains a Public Involvement Plan (PIP) for each permitting action to plan for providing public participation opportunities and information that may be needed for the community to participate in a permitting process. PIPs may be viewed on-line at https://www.env.nm.gov/gwqb/public-involvement-plans/, at the NMED field office nearest to the proposed permitted activity, or by contacting the NMED Permit Contact identified below. NMED also maintains facility-specific mailing lists for persons wishing to receive associated notices for a permitting action. To learn more about a Discharge Permit and the permitting process, to be placed on a facility-specific mailing list, or to obtain a copy of a draft permit, contact the NMED Permit Contact at the number or address provided. Draft permits may be viewed on-line at https://www.env.nm.gov/gwqb/public-notice/. Comments or a request for hearing regarding a draft permit should be addressed to the GWQB, PO Box 5469, Santa Fe, NM 87502-5469, or emailed to the NMED Permit Contact. If you are a non-English speaker, do not speak English well, or if you have a disability, you may contact the NMED Permit Contact to request assistance, an interpreter, or an auxiliary aid in order to learn more about a Discharge Permit or the permitting process, or to participate in activities associated with the permitting process. Requested interpretation services and accommodations or services for persons with disabilities will be arranged to the extent possible. Telephone conversation assistance is available through Relay New Mexico at no charge for people who are deaf, hard of hearing, or have difficulty speaking on the phone, by calling 1-800-659-1779; TTY users: 1-800-659-8331; Spanish: 1-800-327-1857. NMED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Parts 5 and 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non- discrimination programs, policies or procedures, you may contact: Kristine Yurdin, Non-Discrimination Coordinator, New Mexico Environment Department, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nd.coordinator@state.nm.us. If you believe that you have been discriminated against with respect to a NMED program or activity, you may contact the Non-Discrimination Coordinator identified above or visit our website at https://www.env.nm.gov/non-employee-discrimination-complaint-page/ to learn how and where to file a complaint of discrimination.

DP-1887, Large-Scale Recharge Project: The Albuquerque Bernalillo County Water Utility Authority proposes to discharge up to 6.48 million gallons per day, but no more than 5,000 acre-feet per year, of surface water treated to drinking water standards into Class V Underground Injection Control wells as part of an aquifer storage and recovery project. Potential contaminants from this type of discharge include inorganic and organic compounds. The injection wells are located at 6000 Alexander Blvd. NE, Albuquerque, NM 87107, in Section 34, T11N, R03E, Bernalillo County. Groundwater most likely to be affected is at a depth of approximately 128 to 1,200 feet and had a pre-discharge total dissolved solids concentration of 309 to 1,040 milligrams per liter. Applicant: John M. Stomp, III P.E., Chief Operating Officer, Albuquerque Bernalillo County Water Utility Authority, PO Box 568, Albuquerque, NM 87103. NMED Permit Contact: Pamela Homer, Reuse Team Leader, Pamela.Homer2@state.nm.us, 505-827-0018. The Public Involvement Plan may be viewed at the NMED office in Albuquerque: 121 Tijeras Ave. NE, STE 1000, Albuquerque, NM 87102-3400.

DP-760, Town of Hagerman Wastewater Treatment Facility proposes to renew and modify the Discharge Permit for the storage of up to 81,200 gallons per day (gpd) of treated domestic wastewater in an impoundment system prior to discharge by center pivot to up to 62 acres of rangeland. The permit modification consists of an increase in the maximum daily discharge volume from 65,000 gpd to 81,200 gpd and the addition of a land application area. Potential contaminants associated with this type of discharge include nitrogen compounds, total dissolved solids (TDS) and chloride. The facility is located at 700 Navajo Road, Hagerman, in Sections 2 and 10, T14S, R26E, Chaves County. Groundwater most likely to be affected is at a depth of approximately 29 feet and had a pre-discharge TDS concentration of approximately 2,000 milligrams per liter. Applicant: The Honorable Tony Garcia, Mayor, Town of Hagerman, PO Box 247, Hagerman, NM 88232. NMED Permit Contact: Sara Arthur, Geoscientist, Sara.Arthur@state.nm.us, 505-222-9535. The Public Involvement Plan may be viewed at the NMED office in Roswell: 1914 W. Second St., Roswell, NM 88201.

DP-1041, Gandy-Marley Inc.: Larry Gandy, President, proposes to renew the Discharge Permit for the discharge of up to 210,000 gallons per month of domestic septage, wastewater treatment plant sludge, grease trap waste, and grit trap waste and up to 10,000 cubic yards per month of hydrocarbon contaminated soil to a land disposal site. Potential contaminants associated with this type of discharge include nitrogen compounds, metals, and organic compounds. The facility is located on Hwy 380, approximately 33 miles northwest of Tatum, in Sections 8 and 9, T11S, R31E, Chaves County. Groundwater most likely to be affected is at a depth of approximately 122 feet and had a pre-discharge total dissolved solids concentration of approximately 8,970 milligrams per liter. Applicant: Larry Gandy, President, Gandy-Marley Inc., PO Box 1658, Roswell, NM 88202. NMED Permit Contact: Avery Young, Geoscientist, Avery.Young@state.nm.us, 505-827-2909. The Public Involvement Plan may be viewed at the NMED office in Roswell: 1914 W. Second St., Roswell, NM 88201.

DP-878: Rajen Dairy #2 proposes to renew the Discharge Permit for the discharge of up to 79,000 gallons per day of agricultural wastewater from the production area of a dairy facility. Potential contaminants from this type of discharge include nitrogen compounds. The facility and discharge locations are located at 1157 Curry Road 7, approximately two miles south of Clovis, in Sections 34, 35, and 36, T02N, R35E, Curry County. Groundwater most likely to be affected is at a depth of approximately 320 feet below ground surface and had a pre-discharge total dissolved solids concentration of 180 milligrams per liter. Applicant: Randy Vander Dussen, Rajen Dairy #2, 948 Curry Road O, Clovis, NM 88101. NMED Permit Contact: Steve Perez, Geoscientist, Steve.Perez@state.nm.us, 505-827-2434. The Public Involvement Plan may be viewed at the NMED office in Clovis: 100 E. Manana, Unit 3, Clovis, NM 88101.

DP-1163: North Point Dairy proposes to renew the Discharge Permit for the discharge of up to 125,000 gallons per day of wastewater from the production area of a dairy facility. Potential contaminants from this type of discharge include nitrogen compounds. The facility is located at 2149 Curry Rd H, in Sections 15, 21, 22, 27, and 28, T04N, R36E, Curry County. Groundwater most likely to be affected is at a depth of approximately 387 to 423 feet and had a pre-discharge total dissolved solids concentration of 260 milligrams per liter. Applicant: Eddie Schaap, Owner, North Point Dairy, 2079 State Road 209, Clovis, NM 88101. NMED Permit Marc Bonem, Acting Agricultural Team Leader, Marc.Bonem@state.nm.us, 505-827-2791. The Public Involvement Plan may be viewed at the NMED office in Clovis: 100 E. Manana, Unit 3, Clovis, NM 88101.

DP-1174, West Mesa Industrial Park Wastewater Treatment Facility: The City of Las Cruces proposes to renew the Discharge Permit for the discharge of up to 400,000 gallons per day of domestic and industrial wastewater to a treatment and disposal system. Potential contaminants from this type of discharge include nitrogen compounds. The facility is located at 999 Crawford Road, approximately 7 miles west of Las Cruces, in Section 35, T23S, R01W, Doña Ana County. The disposal area is located in Section 2, T24S, R01W, Doña Ana County. Groundwater most likely to be affected is at a depth of approximately 318 feet and had a pre-discharge total dissolved solids concentration of 687 milligrams per liter. Applicant: Jorge A. Garcia, Phd., P.E., Utilities Director, West Mesa Industrial Park Wastewater Treatment Facility, PO Box 20000, Las Cruces, NM 88004-9002. NMED Permit Contact: Gerald Knutson, Environmental Scientist, Gerald.Knutson@state.nm.us, 505-827-2996. The Public Involvement Plan may be viewed at the NMED office in Las Cruces: 2301 Entrada Del Sol, Las Cruces, NM 88001.

DP-1886, Bien Nacido LLC: Athena Valdez proposes to discharge up to 10,000 gallons per day of domestic septage to disposal cells. Potential contaminants from this type of discharge include nitrogen compounds. The facility is located at 6149 Seven Rivers Highway, approximately 5 miles South of Artesia, in Section 20, T18S, R26E, Eddy County. Groundwater most likely to be affected is at a depth of approximately 150 feet and had a pre-discharge total dissolved solids concentration of 1,660 milligrams per liter. Applicant: Athena Valdez, Owner, Bien Nacido LLC, PO Box 1458, Artesia, NM 88210. NMED Permit Contact: Jason Herman, Domestic Team Leader,

Jason.Herman@state.nm.us, 505-827-2713. The Public Involvement Plan may be viewed at the NMED office in Carlsbad: 406 N. Guadalupe, Suite C, Carlsbad, NM 88220.

DP-1651, Banner Mill: Pyramid Peak Mining LLC proposes to renew the Discharge Permit for the discharge of up to 246,000 gallons per day of mill tailing slurry to a high-density polyethylene lined tailing impoundment. Potential contaminants from this type of discharge include total dissolved solids, sulfate, and metals. The facility is located on State Road 494, approximately 4.5 miles southwest of Lordsburg, in Sections 14 & 23, T23S, R19W, Hidalgo County. Groundwater most likely to be affected is at a depth of approximately 709 feet and had a pre-discharge total dissolved solids concentration of 1,800 milligrams per liter. Applicant: Joseph Martini, Pyramid Peak Mining LLC, 9650 Gateway Drive, Suite 202, Reno, NV 89521. NMED Permit Contact: George Llewellyn, Hydrologist, George.Llewellyn@state.nm.us, 575-956-1549. The Public Involvement Plan may be viewed at the NMED office in Silver City: 3082 32nd Street By-Pass Rd, Suite D, Silver City, NM 88061.

DP-1132: The Radioactive Liquid Waste Treatment Facility (RLWTF) is a wastewater treatment facility that receives and treats radioactive liquid waste (RLW) from waste generating locations at Los Alamos National Laboratory (LANL). The Discharge Permit authorizes the use of the RLWTF's multiple systems and associated units, including: the influent collection system; the influent storage system, i.e., the Waste Management Risk Mitigation Facility (WMRM); the low-level radioactive liquid waste treatment system; the transuranic wastewater treatment system; and the secondary treatment system. RLW treatment processes include chemical treatment in a reaction tank, filtration, ion exchange, and reverse osmosis. The Discharge Permit authorizes the discharge of treated water via the Mechanical Evaporator System (MES) and the Solar Evaporative Tank (SET) at TA-52. The discharge of treated water at an outfall (Outfall 051) is authorized by a National Pollutant Discharge Elimination System (NPDES) permit issued by the United States Environmental Protection Agency (EPA) pursuant to the federal Clean Water Act Section 402, 33 U.S.C § 1342. Up to 40,000 gallons per day may be discharged via the three processes identified above. The expected quality of the discharge is that it will meet all numerical groundwater standards identified in 20.6.2 NMAC. Potential contaminants associated with this waste stream include nitrogen compounds, metals, organic compounds, and low-level radioactive materials. The discharge is located within LANL, approximately 1.5 miles south of Los Alamos, New Mexico, in Sections 16, 17, 20, 21 and 22, Township 19N, Range 06E, Los Alamos County. Groundwater most likely to be affected ranges from depths of approximately one foot to 1,306 feet and has a total dissolved solids concentration ranging from approximately 162 to 255 milligrams per liter. Applicant: DOE/ NNSA Los Alamos Field Office, Jody Pugh, Assistant Manager, Mission Assurance & Infrastructure, 3747 W. Jemez Road, MS A316, Los Alamos, NM 87544. Triad National Security, LLC, Enrique Torres, Division Leader, Environmental Protection & Compliance Division, PO Box 1663, MS K491, Los Alamos, NM 87545. NMED Permit Contact: Andrew Romero, Geoscientist, AndrewC.Romero@state.nm.us, 505-827-0076. The Public Involvement Plan may be viewed at the NMED office in Los Alamos: 1183 Diamond Drive, Suite B, Los Alamos, NM 87544.

DP-1865: Southwest Wines proposes the discharge of up to 25,000 gallons per day of agricultural wastewater from a winery. Potential contaminants from this type of discharge include nitrogen compounds. The facility is located at 1325 De Baca Rd. SE, Deming, approximately 6 miles southeast of Deming, in Section 34, T23S, R08W, Luna County. Groundwater most likely to be affected is at a depth of approximately 114 feet and has a total dissolved solids concentration of 215 milligrams per liter. Applicant: Brandon Young, Chief Executive Officer, Southwest Wines, PO Box 1180, Deming, NM 88030. NMED Permit Contact: Matthew Smith, Geoscientist, Matthew.Smith3@state.nm.us, 505-827-2797. The Public Involvement Plan may be viewed at the NMED office in Deming: 405 E. Florida Street, Deming, NM 88030.

DP-1007, T &R Market: Shannon Tanner, Owner, proposes to renew the Discharge Permit for the discharge of up to 15,000 gallons per day of domestic wastewater to a treatment and disposal system. Potential contaminants from this type of discharge include nitrogen compounds, dissolved solids, and chloride. The facility is located on Highway 491, approximately 6 miles north of Gallup, in Section 19, T16N, R18W, McKinley County. Groundwater most likely to be affected is at a depth of approximately 23 feet and had a pre-discharge total dissolved solids concentration of 792 milligrams per liter. Applicant: Shannon Tanner, Owner, T & R Market Inc., PO Box 477, Gallup, NM 87305. NMED Permit Contact: Avery Young, Geoscientist, Avery.Young@state.nm.us, 505-827-2909. The Public Involvement Plan may be viewed at the NMED office in Gallup: 911 Metro Avenue, Gallup, NM 87301.

DP-1757: Alamogordo Public Schools proposes to renew the Discharge Permit for the discharge of up to 500,000 gallons per day of reclaimed domestic wastewater for irrigation. Potential contaminants from this type of discharge include nitrogen compounds. The irrigation sites are located at College Ave. and 15th St., Cuba Ave. and 7th St., Alaska Ave. and 1st St., Playa Azul Dr. and Santa Cruz Dr., Alamogordo, Otero County. Groundwater most likely to be affected is at a depth of approximately 150 to 200 feet and had a pre-discharge total dissolved solids concentration of 2,400 milligrams per liter. Applicant: Justin Burks, Chief of Capital Outlay & Facilities, Alamogordo Public Schools, PO Box 650, Alamogordo, NM 88310. NMED Permit Contact: Sara Arthur, Geoscientist, Sara.Arthur@state.nm.us, 505-222-9535. The Public Involvement Plan may be viewed at the NMED office in Alamogordo: 811 E. First Street, Suite D, Alamogordo, NM 88310.

DP-1740: Black Mesa Winery proposes a Discharge Permit for the discharge of up to 75 gallons per day of agricultural wastewater from a winery. Potential contaminants from this type of discharge include nitrogen and organic compounds (BOD). The facility and discharge locations are located at 1502 Hwy 68, Velarde, in Section 34, T23N, R09E, Rio Arriba County. Groundwater most likely to be affected is at a depth of approximately 17 feet and has a total dissolved solids concentration of 338 milligrams per liter. Applicant: Jerry Burd, Owner, Black Mesa Winery, PO Box 308, Velarde, NM 87582. NMED Permit Contact: Matthew Smith, Geoscientist, Matthew.Smith3@state.nm.us, 505-827-2797. The Public Involvement Plan may be viewed at the NMED office in Espanola: 712 La Joya Street, Espanola, NM 87532.

DP-384: Philmar Dairy proposes to renew and modify the Discharge Permit for the discharge of up to 49,500 gallons per day of wastewater from the production area of a dairy facility. Potential contaminants from this type of discharge include nitrogen compounds. The facility and discharge locations are located at 544 Roosevelt Road Y, approximately seven miles west of Portales, in Sections 26, 27 and 34, T01S, R33E, Roosevelt County. Groundwater most likely to be affected is at a depth of approximately 103 feet and had a pre-discharge total dissolved solids concentration of 1,774 milligrams per liter. Applicant: Phil Douma, Owner, Philmar Dairy, 737 NM 267, Portales, NM 88130. NMED Permit Contact: Sarah Schnell, Geoscientist, Sarah.Schnell@state.nm.us, 505-222-9520. The Public Involvement Plan may be viewed at the NMED office in Clovis: 100 E. Manana, Unit 3, Clovis, NM 88101.

DP-932: Milk Time Dairy proposes to renew the Discharge Permit for the discharge of up to 42,074 gallons per day of wastewater from the production area of a dairy facility. Potential contaminants from this type of discharge include nitrogen compounds. The facility and discharge locations are located at 43241 US Hwy 70, approximately 8 miles south of Clovis, in Sections 25 & 36, T01N, R35E and Sections 30 & 31, T01N, R36E, Roosevelt County. Groundwater most likely to be affected is at a depth of approximately 195 feet and had a pre-discharge total dissolved solids concentration of 655 milligrams per liter. Applicant: Robert Brower, Owner, 389 S, RR X, Portales, NM 88130. NMED Permit Contact: Marc Bonem, Acting Agricultural Team Leader, Marc.Bonem@state.nm.us, 505-827-2791. The Public Involvement Plan may be viewed at the NMED office in Clovis: 100 E. Manana, Unit 3, Clovis, NM 88101.

DP-1067: Southern Sky Dairy proposes to renew the Discharge Permit for the discharge of up to 7,000 gallons per day of wastewater from the production area of a dairy facility. Potential contaminants from this type of discharge include nitrogen compounds. The facility and discharge locations are located at 1907 S Roosevelt Rd 7, in Section 10, T02S, R34E, Roosevelt County. Groundwater most likely to be affected is at a depth of approximately 82 feet and had a pre-discharge total dissolved solids concentration of 1,530 milligrams per liter. Applicant: Johnny Lieb, Owner, 317 E. 16th St., Portales, NM 88130. NMED Permit Contact: Steve Perez, Geoscientist, Steve.Perez@state.nm.us, 505-827-2434. The Public Involvement Plan may be viewed at the NMED office in Clovis: 100 E. Manana, Unit 3, Clovis, NM 88101.

DP-1154: Native Pastures Dairy proposes to renew and modify the Discharge Permit for the discharge of up to 49,500 gallons per day of wastewater from the production area of a dairy facility. Potential contaminants from this type of discharge include nitrogen compounds. The facility and discharge locations are located at 1437 NM 88, approximately 11 miles southeast of Portales, in Sections 27 and 28, T02S, R36E, Roosevelt County. Groundwater most likely to be affected is at a depth of approximately 93 feet and had a pre-discharge total dissolved solids concentration of 1,240 milligrams per liter. Applicant: Art Schaap, Native Pastures Dairy, 650 Curry Road O, Portales, NM

88130. NMED Permit Contact: Marc Bonem, Acting Agricultural Team Leader, Marc.Bonem@state.nm.us, 505-827-2791. The Public Involvement Plan may be viewed at the NMED office in Clovis: 100 E. Manana, Unit 3, Clovis, NM 88101.

DP-1246: Hide-A-Way Dairies proposes to renew and modify the Discharge Permit for the discharge of up to 122,500 gallons per day of wastewater from the production area of a dairy facility. Potential contaminants from this type of discharge include nitrogen compounds. The facility and discharge locations are located at 563 N. RR 3 approximately 9 miles southeast of Clovis, in Section 24, T01N, R36E, Roosevelt County. Groundwater most likely to be affected is at a depth of approximately 269 feet and had a pre-discharge total dissolved solids concentration of 340 milligrams per liter. Applicant: Robert Vander Dussen, 2709 Wilhite Rd., Clovis, NM 88101. NMED Permit Contact: Matthew Smith, Geoscientist, Matthew.Smith3@state.nm.us, 505-827-2797. The Public Involvement Plan may be viewed at the NMED office in Clovis: 100 E. Manana, Unit 3, Clovis, NM 88101.

DP-1332: Opportunity Dairy, LLC proposes to renew the Discharge Permit for the discharge of up to 65,000 gallons per day of wastewater from the production area of a dairy facility. Potential contaminants from this type of discharge include nitrogen compounds. The facility and discharge locations are located at 1101 N. Roosevelt Rd. 3, approximately 7 miles south of Clovis, in Section 19, T01N, R36E, and Section 24, T01N, R35E, Roosevelt County. Groundwater most likely to be affected is at a depth of approximately 275 feet and had a pre-discharge total dissolved solids concentration of 280 milligrams per liter. Applicant: Todd Teune, Manager, Opportunity Dairy, LLC, 1369 CR 7, Clovis, NM 88101. NMED Permit Contact: Matthew Smith, Geoscientist, Matthew.Smith3@state.nm.us, 505-827-2797. The Public Involvement Plan may be viewed at the NMED office in Clovis: 100 E. Manana, Unit 3, Clovis, NM, 88101.

DP-1531: Arch Diamond Dairy proposes to renew the Discharge Permit for the discharge of up to 65,000 gallons per day of wastewater from the production area of a dairy facility. Potential contaminants from this type of discharge include nitrogen compounds. The facility is located at 1406 NM 88 (S RR 10), in Sections 17, 20, and 21, T02S, R36E, Roosevelt County. Groundwater most likely to be affected is at a depth of approximately 85 feet and had a pre-discharge total dissolved solids concentration of 960 milligrams per liter. Applicant: Phillip Douma, Owner, Arch Diamond Dairy, 737 NM 267, Portales, NM 88130. NMED Permit Contact: Matthew Smith, Geoscientist, Matthew.Smith3@state.nm.us, 505-827-2797. The Public Involvement Plan may be viewed at the NMED office in Clovis: 100 E. Manana, Unit 3, Clovis, NM 88101.

DP-1784, New Mexico Highlands University proposes to renew the Discharge Permit for the discharge of up to 35,000 gallons per day of reclaimed domestic wastewater to athletic fields, parks, and landscaped areas on campus. Potential contaminants associated with this type of discharge include nitrogen compounds. The facility is located at 800 W. National Ave., Las Vegas, San Miguel County. Groundwater most likely to be affected is at a depth of approximately 7 feet and had a pre-discharge a total dissolved solids concentration of

approximately 1,400 to 6,200 milligrams per liter. Applicant: New Mexico Highlands University, Sylvia Baca, Director of Facilities Services, PO Box 9000, Las Vegas, NM 87701. NMED Permit Contact: Sara Arthur, Geoscientist, Sara.Arthur@state.nm.us, 505-222-9535. The Public Involvement Plan may be viewed at the NMED office in Las Vegas: 2538 Ridgerunner Rd., Las Vegas, NM 87701.

DP-75, Bishop's Lodge: BL Santa Fe, LLC proposes to renew and modify the Discharge Permit for the discharge of up to 50,000 gallons per day of domestic wastewater to a treatment and disposal system. Potential contaminants from this type of discharge include nitrogen compounds. The facility is located at 1297 Bishop's Lodge Road, Santa Fe, Santa Fe County. Groundwater most likely to be affected is at a depth of approximately 23 feet and had a pre-discharge total dissolved solids concentration of approximately 300 milligrams per liter. Applicant: Michael Shepard, BL Santa Fe, LLC, 112 W. San Francisco St., Suite 310, Santa Fe, NM 87501. NMED Permit Contact: Jason Herman, Environmental Scientist, Domestic Team Leader, Jason.Herman@state.nm.us, 505-827-2713. The Public Involvement Plan may be viewed at the NMED office in Santa Fe: 2540 Camino Edward Ortiz, Santa Fe, NM 87507.

DP-1869: The Club at Las Campanas proposes to discharge up to 320,000 gallons per day of reclaimed wastewater for irrigation. Potential contaminants from this type of discharge include nitrogen compounds. The facility is located at 437 Las Campanas Dr, Santa Fe, Santa Fe County. Groundwater most likely to be affected is at a depth of approximately 279 feet and had a pre-discharge total dissolved solids concentration of approximately 200 milligrams per liter. Applicant: Al Antonez, General Manager/ COO, The Club at Las Campanas, Inc., 132 Clubhouse Drive, Santa Fe, NM 87506. NMED Permit Contact: Pam Homer, Geoscientist, Re-use Team Leader, Pamela.Homer2@state.nm.us, 505-827-0018. The Public Involvement Plan may be viewed at the NMED office in Santa Fe: 2540 Camino, Edward Ortiz, Santa Fe, NM 87507.

DP-546: Caballo Dairy, LLC, proposes to renew and modify the Discharge Permit for the discharge of up to 120,000 gallons per day of wastewater from the production area of a dairy facility. Potential contaminants from this type of discharge include nitrogen compounds. The facility and discharge locations are located at 1 Caballo Alto Road, approximately 1.5 miles south of Arrey, in Sections 13, 14, 23 and 24, T17S, R05W, Sierra County. Groundwater most likely to be affected is at a depth of approximately 11 feet and had a pre-discharge total dissolved solids concentration of 750 milligrams per liter. Applicant: Dustin Maloney, 2025 Camino de Chavez, Bosque Farms, NM 87068. NMED Permit Contact: Matthew Smith, Geoscientist, Matthew.Smith3@state.nm.us, 505-827-2797. The Public Involvement Plan may be viewed at the NMED office in Las Cruces: 2301 Entrada Del Sol, Las Cruces, NM 88001.

DP-705: AA Chile Company, Inc. proposes to renew and modify the Discharge Permit for the discharge of up to 17,500 gallons per day of wastewater from the production area of a chile facility. Potential contaminants from this type of discharge include nitrogen compounds. The facility and discharge locations are located 13578 N. Highway 187, approximately 0.65 miles south of Arrey, in Section 14, T17S, R05W,

Sierra County. Groundwater most likely to be affected is at a depth of approximately 55 to 62 feet and had a pre-discharge total dissolved solids concentration of 240 to 930 milligrams per liter. Applicant: Dennis F. Alberson, Owner, AA Chile Company, Inc., PO Box 660, Hatch, NM 87937. NMED Permit Contact: Marc Bonem, Acting Agricultural Team Leader, Marc.Bonem@state.nm.us, 505-827-2791. The Public Involvement Plan may be viewed at the NMED office in Las Cruces: 2301 Entrada Del Sol, Las Cruces, NM 88001.

Departamento del Medio Ambiente de Nuevo México - Oficina para el Control de la Calidad de las Aguas Subterráneas

La Oficina de Calidad de Aguas Subterráneas (GWQB, por sus siglas en inglés) del Departamento de Medio Ambiente de Nuevo México (NMED, por sus siglas en inglés) notifica por este medio que se han propuesto los siguientes Permisos de Descarga de Agua Subterránea para su aprobación. NMED permitirá 30 días después de la fecha de publicación de este aviso (o según lo dispuesto a continuación) para la presentación de comentarios por escrito y/o una solicitud de audiencia pública para una acción de permiso. Las solicitudes de audiencia pública deberán presentarse por escrito y expondrán los motivos por los cuales debe celebrarse una audiencia. Se llevará a cabo una audiencia si NMED determina que existe un interés público considerable. Después de que el registro administrativo para la acción de permiso esté completo y toda la información requerida esté disponible, NMED aprobará, aprobará con condiciones o denegará el Permiso basado en el registro administrativo. NMED mantiene un Plan de Participación Pública (PIP, por sus siglas en inglés) para cada acción de permiso para planificar la facilitación de oportunidades de participación del público e información que pueda ser necesaria para que la comunidad participe en el proceso de permisos. Los PIP se pueden ver en línea en https://www.env.nm.gov/gwqb/public-involvement-plans/, en la oficina local de NMED más cercana a la actividad de permiso propuesta, o comunicándose con el contacto de permisos de NMED identificado a continuación. NMED también mantiene listas de correo específicas de las instalaciones para las personas que desean recibir avisos asociados para una acción de permiso. Para obtener más información sobre un Permiso de Descarga y el proceso de permiso, para ser incluido en una lista de correo específica de la instalación, o para obtener una copia de un borrador de permiso, comuníquese con el contacto de permisos de NMED al número o dirección proporcionados. Los borradores de permisos se pueden ver en línea en https://www.env.nm.gov/gwqb/public-notice/. Los comentarios o las solicitudes de audiencia sobre un borrador de permiso deben dirigirse a GWQB, PO Box 5469, Santa Fe, NM 87502-5469, o enviarse por correo electrónico al contacto de permisos de NMED. Si usted no habla inglés, no habla bien inglés, o si tiene una discapacidad, puede comunicarse con el contacto de permisos de NMED para solicitar asistencia, un intérprete o un dispositivo auxiliar con el fin de aprender más sobre un Permiso de Descarga o el proceso de permisos, o para participar en actividades asociadas con el proceso de permisos. Los servicios de interpretación solicitados y las acomodaciones o servicios para personas con discapacidades serán organizados en la medida de lo posible. Hay disponible asistencia para conversaciones telefónicas a través de Relay New Mexico de forma gratuita para las personas sordas, con problemas de audición o con dificultades para hablar por teléfono llamando al 1-800-659-1779; los usuarios de TTY: 1-800-659-8331; español: 1-800-327-1857. NMED no discrimina por motivos de raza, color, origen nacional, discapacidad, edad o sexo en la administración de sus programas o actividades, según lo exigido por las leyes y los reglamentos correspondientes. NMED es responsable de la coordinación de los esfuerzos de cumplimiento y la recepción de consultas relativas a los requisitos de no discriminación implementados por 40 C.F.R. Partes 5 y 7, incluido el Título VI de la Ley de Derechos Civiles de 1964, según enmendada; Sección 504 de la Ley de Rehabilitación de 1973; la Ley de Discriminación por Edad de 1975, Título IX de las Enmiendas de Educación de 1972 y la Sección 13 de las Enmiendas a la Ley Federal de Control de Contaminación del Agua de 1972. Si usted tiene preguntas sobre este aviso o sobre cualquier programa, política o procedimiento de no discriminación de NMED,

usted puede comunicarse con la Coordinadora de No Discriminación: Kristine Yurdin, Non-Discrimination Coordinator, New Mexico Environment Department, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nd.coordinator@state.nm.us. Si usted piensa que ha sido discriminado/a con respecto a un programa o actividad de NMED, usted puede comunicarse con la Coordinadora de No Discriminación antes indicada o visitar nuestro sitio web en https://www.env.nm.gov/non-employee-discrimination-complaint-page/ para aprender cómo y dónde presentar una queja de discriminación.

DP-1887, Large-Scale Recharge Project: Albuquerque Bernalillo County Water Utility Authority propone descargar hasta 6.48 millones de galones por día, pero no más de 5,000 acres-pies por año, de agua superficial tratada según los estándares de agua potable en pozos de Control de Inyección Subterránea Clase V como parte de un proyecto de recuperación y almacenamiento de acuíferos. Los posibles contaminantes asociados con este tipo de descarga incluyen compuestos orgánicos e inorgánicos. Los pozos de inyección están ubicados en la planta de tratamiento de agua, 6000 Alexander Blvd NE, Albuquerque, condado de Bernalillo. El agua subterránea que tiene más probabilidad de verse afectada se encuentra a una profundidad de 128 a 1,200 pies y tenía una concentración de sólidos disueltos totales antes del vertido de 309 a 1,040 miligramos por litro. Solicitante: John M. Stomp, III P.E., Chief Operating Officer, Albuquerque Bernalillo County Water Utility Authority, PO Box 568, Albuquerque, NM 87103. Contacto para el permiso del NMED: Pamela Homer, Reuse Team Leader, Pamela.Homer2@state.nm.us, 505-827-0018. El Plan de Participación Pública puede verse en la oficina de NMED en Albuquerque: 121 Tijeras Ave. NE, STE 1000, Albuquerque, NM 87102-3400.

DP-1132: La Planta de Tratamiento de Residuos Líquidos Radioactivos (RLWTF por su sigla en inglés) es una planta de tratamiento de aguas residuales que recibe y trata residuos líquidos radioactivos (RLW por su sigla en inglés) de los sectores generadores de residuos de Laboratorio Nacional Los Álamos (LANL). El Permiso de Descarga autoriza el uso de múltiples sistemas y de unidades asociadas de la planta RLWTF, que incluyen: el sistema de recolección de afluentes; el sistema de almacenamiento de afluentes, que corresponde a las Instalaciones de Mitigación de Riesgo del Manejo de Residuos (WMRM por su sigla en inglés); el sistema de tratamiento de residuos líquidos de bajo nivel radioactivo; el sistema de tratamiento de aguas residuales transuránicas; y el sistema de tratamiento secundario. Los procesos de tratamiento de RLW incluyen tratamiento químico en un tanque de reacción, filtración, intercambio iónico y ósmosis inversa. El Permiso de Descarga autoriza la descarga del agua tratada por medio del Sistema Evaporador Mecánico (MES por su sigla en inglés) y el Tanque de Evaporación Solar (SET) en el Área Técnica TA-52. La descarga de agua tratada en un desagüe (Desagüe 051) está autorizada por un permiso del Sistema Nacional de Eliminación de Descargas de Contaminantes (NPDES por su sigla en inglés) otorgado por la Agencia de Protección Ambiental (EPA por su sigla en inglés) de Estados Unidos conforme a la Ley Federal de Agua Limpia, Sección 402, 33 U.S.C § 1342. Mediante los tres procesos antes identificados, se podrán descargar hasta 40,000 galones por día. La calidad esperada de la descarga es que cumplirá con todos los estándares numéricos para aguas subterráneas identificados en 20.6.2 NMAC. Los posibles contaminantes asociados con esta corriente de residuos incluyen compuestos de nitrógeno, metales, compuestos orgánicos y materiales radiactivos de

bajo nivel. La descarga se encuentra dentro del LANL, aproximadamente 1.5 millas al sur de Los Álamos, Nuevo México, en las Secciones 16, 17, 20, 21 y 22; Distrito Municipal (Township) 19N; Zona (Range) 06E; condado de Los Álamos. Las aguas subterráneas con mayor probabilidad de ser afectadas se encuentran en un rango de profundidades de uno a 1,306 pies aproximadamente, y tienen una concentración de sólidos disueltos totales en un rango de 162 a 255 miligramos por litro aproximadamente. Solicitante: DOE/ NNSA Los Alamos Field Office, Jody Pugh, Assistant Manager, Mission Assurance & Infrastructure, 3747 W. Jemez Road, MS A316, Los Alamos, NM 87544. Triad National Security, LLC, Enrique Torres, Division Leader, Environmental Protection & Compliance Division, PO Box 1663, MS K491, Los Alamos, NM 87545. Contacto para el permiso del NMED: Andrew Romero, Geoscientist, AndrewC.Romero@state.nm.us, 505-827-0076. El Plan de Participación Pública puede verse en la oficina de NMED en Los Alamos: 1183 Diamond Drive, Suite B, Los Alamos, NM 87544.

New Mexico Environment Department – Ground Water Quality Bureau

The New Mexico Environment Department (NMED) Ground Water Quality Bureau (GWQB) hereby provides notice that the following Groundwater Discharge Permits have been proposed for approval. NMED will allow 30 days after the date of publication of this notice for submittal of written comments and/or a request for a public hearing for a permitting action. Requests for public hearing shall be in writing and shall set forth the reasons why a hearing should be held. A hearing will be held if NMED determines that there is substantial public interest. After the administrative record for a permitting action is complete and all required information is available, NMED will approve, approve with conditions, or disapprove the Permit based on the administrative record. NMED maintains a Public Involvement Plan (PIP) for each permitting action to plan for providing public participation opportunities and information that may be needed for the community to participate in a permitting process. PIPs may be viewed on-line at https://www.env.nm.gov/gwqb/public-involvement-plans/, at the NMED field office nearest to the proposed permitted activity, or by contacting the NMED Permit Contact identified below. NMED also maintains facility-specific mailing lists for persons wishing to receive associated notices for a permitting action. To learn more about a Discharge Permit and the permitting process, to be placed on a facility-specific mailing list, or to obtain a copy of a draft permit, contact the NMED Permit Contact at the number or address provided. Draft permits may be viewed on-line at https://www.env.nm.gov/gwqb/public-notice/. Comments or a request for hearing regarding a draft permit should be addressed to the GWQB, PO Box 5469, Santa Fe, NM 87502-5469, or emailed to the NMED Permit Contact. If you are a non-English speaker, do not speak English well, or if you have a disability, you may contact the NMED Permit Contact to request assistance, an interpreter, or an auxiliary aid in order to learn more about a Discharge Permit or the permitting process, or to participate in activities associated with the permitting process. Requested interpretation services and accommodations or services for persons with disabilities will be arranged to the extent possible. Telephone conversation assistance is available through Relay New Mexico at no charge for people who are deaf, hard of hearing, or have difficulty speaking on the phone, by calling 1-800-659-1779; TTY users: 1-800-659-8331; Spanish: 1-800-327-1857. NMED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Parts 5 and 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non- discrimination programs, policies or procedures, you may contact: Kristine Yurdin, Non-Discrimination Coordinator, New Mexico Environment Department, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nd.coordinator@state.nm.us. If you believe that you have been discriminated against with respect to a NMED program or activity, you may contact the Non-Discrimination Coordinator identified above or visit our website at https://www.env.nm.gov/non-employee-discrimination-complaint-page/ to learn how and where to file a complaint of discrimination.

DP-1132: The Radioactive Liquid Waste Treatment Facility (RLWTF) is a wastewater treatment facility that receives and treats radioactive liquid waste (RLW) from waste generating locations at Los Alamos National Laboratory (LANL). The Discharge Permit authorizes the use of the RLWTF's multiple systems and associated units, including: the influent collection system; the influent storage system, i.e., the Waste Management Risk Mitigation Facility (WMRM); the low-level radioactive liquid waste treatment system; the transuranic wastewater treatment system; and the secondary treatment system. RLW treatment processes include chemical treatment in a reaction tank, filtration, ion exchange, and reverse osmosis. The Discharge Permit authorizes the discharge of treated water via the Mechanical Evaporator System (MES) and the Solar Evaporative Tank (SET) at TA-52. The discharge of treated water at an outfall (Outfall 051) is authorized by a National Pollutant Discharge Elimination System (NPDES) permit issued by the United States Environmental Protection Agency (EPA) pursuant to the federal Clean Water Act Section 402, 33 U.S.C § 1342. Up to 40,000 gallons per day may be discharged via the three processes identified above. The expected quality of the discharge is that it will meet all numerical groundwater standards identified in 20.6.2 NMAC. Potential contaminants associated with this waste stream include nitrogen compounds, metals, organic compounds, and low-level radioactive materials. The discharge is located within LANL, approximately 1.5 miles south of Los Alamos, New Mexico, in Sections 16, 17, 20, 21 and 22, Township 19N, Range 06E, Los Alamos County. Groundwater most likely to be affected ranges from depths of approximately one foot to 1,306 feet and has a total dissolved solids concentration ranging from approximately 162 to 255 milligrams per liter. Applicant: DOE/ NNSA Los Alamos Field Office, Jody Pugh, Assistant Manager, Mission Assurance & Infrastructure, 3747 W. Jemez Road, MS A316, Los Alamos, NM 87544. Triad National Security, LLC, Enrique Torres, Division Leader, Environmental Protection & Compliance Division, PO Box 1663, MS K491, Los Alamos, NM 87545. NMED Permit Contact: Andrew Romero, Geoscientist, AndrewC.Romero@state.nm.us, 505-827-0076. The Public Involvement Plan may be viewed at the NMED office in Los Alamos: 1183 Diamond Drive, Suite B, Los Alamos, NM 87544.

Departamento del Medio Ambiente de Nuevo México - Oficina para el Control de la Calidad de las Aguas Subterráneas

La Oficina de Calidad de Aguas Subterráneas (GWQB, por sus siglas en inglés) del Departamento de Medio Ambiente de Nuevo México (NMED, por sus siglas en inglés) notifica por este medio que se han propuesto los siguientes Permisos de Descarga de Agua Subterránea para su aprobación. NMED permitirá 30 días después de la fecha de publicación de este aviso (o según lo dispuesto a continuación) para la presentación de comentarios por escrito y/o una solicitud de audiencia pública para una acción de permiso. Las solicitudes de audiencia pública deberán presentarse por escrito y expondrán los motivos por los cuales debe celebrarse una audiencia. Se llevará a cabo una audiencia si NMED determina que existe un interés público considerable. Después de que el registro administrativo para la acción de permiso esté completo y toda la información requerida esté disponible, NMED aprobará, aprobará con condiciones o denegará el Permiso basado en el registro administrativo. NMED mantiene un Plan de Participación Pública (PIP, por sus siglas en inglés) para cada acción de permiso para planificar la facilitación de oportunidades de participación del público e información que pueda ser necesaria para que la comunidad participe en el proceso de permisos. Los PIP se pueden ver en línea en https://www.env.nm.gov/gwqb/public-involvement-plans/, en la oficina local de NMED más cercana a la actividad de permiso propuesta, o comunicándose con el contacto de permisos de NMED identificado a continuación. NMED también mantiene listas de correo específicas de las instalaciones para las personas que desean recibir avisos asociados para una acción de permiso. Para obtener más información sobre un Permiso de Descarga y el proceso de permiso, para ser incluido en una lista de correo específica de la instalación, o para obtener una copia de un borrador de permiso, comuníquese con el contacto de permisos de NMED al número o dirección proporcionados. Los borradores de permisos se pueden ver en línea en https://www.env.nm.gov/gwqb/public-notice/. Los comentarios o las solicitudes de audiencia sobre un borrador de permiso deben dirigirse a GWQB, PO Box 5469, Santa Fe, NM 87502-5469, o enviarse por correo electrónico al contacto de permisos de NMED. Si usted no habla inglés, no habla bien inglés, o si tiene una discapacidad, puede comunicarse con el contacto de permisos de NMED para solicitar asistencia, un intérprete o un dispositivo auxiliar con el fin de aprender más sobre un Permiso de Descarga o el proceso de permisos, o para participar en actividades asociadas con el proceso de permisos. Los servicios de interpretación solicitados y las acomodaciones o servicios para personas con discapacidades serán organizados en la medida de lo posible. Hay disponible asistencia para conversaciones telefónicas a través de Relay New Mexico de forma gratuita para las personas sordas, con problemas de audición o con dificultades para hablar por teléfono llamando al 1-800-659-1779; los usuarios de TTY: 1-800-659-8331; español: 1-800-327-1857. NMED no discrimina por motivos de raza, color, origen nacional, discapacidad, edad o sexo en la administración de sus programas o actividades, según lo exigido por las leyes y los reglamentos correspondientes. NMED es responsable de la coordinación de los esfuerzos de cumplimiento y la recepción de consultas relativas a los requisitos de no discriminación implementados por 40 C.F.R. Partes 5 y 7, incluido el Título VI de la Ley de Derechos Civiles de 1964, según enmendada; Sección 504 de la Ley de Rehabilitación de 1973; la Ley de Discriminación por Edad de 1975, Título IX de las Enmiendas de Educación de 1972 y la Sección 13 de las Enmiendas a la Ley Federal de Control de Contaminación del Agua de 1972. Si usted tiene preguntas sobre este aviso o sobre cualquier programa, política o procedimiento de no discriminación de NMED,

usted puede comunicarse con la Coordinadora de No Discriminación: Kristine Yurdin, Non-Discrimination Coordinator, New Mexico Environment Department, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nd.coordinator@state.nm.us. Si usted piensa que ha sido discriminado/a con respecto a un programa o actividad de NMED, usted puede comunicarse con la Coordinadora de No Discriminación antes indicada o visitar nuestro sitio web en https://www.env.nm.gov/non-employee-discrimination-complaint-page/ para aprender cómo y dónde presentar una queja de discriminación.

DP-1132: La Planta de Tratamiento de Residuos Líquidos Radioactivos (RLWTF por su sigla en inglés) es una planta de tratamiento de aguas residuales que recibe y trata residuos líquidos radioactivos (RLW por su sigla en inglés) de los sectores generadores de residuos de Laboratorio Nacional Los Álamos (LANL). El Permiso de Descarga autoriza el uso de múltiples sistemas y de unidades asociadas de la planta RLWTF, que incluyen: el sistema de recolección de afluentes; el sistema de almacenamiento de afluentes, que corresponde a las Instalaciones de Mitigación de Riesgo del Manejo de Residuos (WMRM por su sigla en inglés); el sistema de tratamiento de residuos líquidos de bajo nivel radioactivo; el sistema de tratamiento de aguas residuales transuránicas; y el sistema de tratamiento secundario. Los procesos de tratamiento de RLW incluyen tratamiento químico en un tanque de reacción, filtración, intercambio iónico y ósmosis inversa. El Permiso de Descarga autoriza la descarga del agua tratada por medio del Sistema Evaporador Mecánico (MES por su sigla en inglés) y el Tanque de Evaporación Solar (SET) en el Área Técnica TA-52. La descarga de agua tratada en un desagüe (Desagüe 051) está autorizada por un permiso del Sistema Nacional de Eliminación de Descargas de Contaminantes (NPDES por su sigla en inglés) otorgado por la Agencia de Protección Ambiental (EPA por su sigla en inglés) de Estados Unidos conforme a la Ley Federal de Agua Limpia, Sección 402, 33 U.S.C § 1342. Mediante los tres procesos antes identificados, se podrán descargar hasta 40,000 galones por día. La calidad esperada de la descarga es que cumplirá con todos los estándares numéricos para aguas subterráneas identificados en 20.6.2 NMAC. Los posibles contaminantes asociados con esta corriente de residuos incluyen compuestos de nitrógeno, metales, compuestos orgánicos y materiales radiactivos de bajo nivel. La descarga se encuentra dentro del LANL, aproximadamente 1.5 millas al sur de Los Álamos, Nuevo México, en las Secciones 16, 17, 20, 21 y 22; Distrito Municipal (Township) 19N; Zona (Range) 06E; condado de Los Álamos. Las aguas subterráneas con mayor probabilidad de ser afectadas se encuentran en un rango de profundidades de uno a 1,306 pies aproximadamente, y tienen una concentración de sólidos disueltos totales en un rango de 162 a 255 miligramos por litro aproximadamente. Solicitante: DOE/ NNSA Los Alamos Field Office, Jody Pugh, Assistant Manager, Mission Assurance & Infrastructure, 3747 W. Jemez Road, MS A316, Los Alamos, NM 87544. Triad National Security, LLC, Enrique Torres, Division Leader, Environmental Protection & Compliance Division, PO Box 1663, MS K491, Los Alamos, NM 87545. Contacto para el permiso del NMED: Andrew Romero, Geoscientist, AndrewC.Romero@state.nm.us, 505-827-0076. El Plan de Participación Pública puede verse en la oficina de NMED en Los Alamos: 1183 Diamond Drive, Suite B, Los Alamos, NM 87544.

Environmental Protection & Compliance Division
Compliance Programs Group
PO Box 1663, K490
Los Alamos, New Mexico 87545
(505) 667-0666

National Nuclear Security Administration
Los Alamos Field Office
3747 West Jemez Road, A316
Los Alamos, New Mexico, 87544
(505) 665-7314 /Fax (505) 667-5948

Symbol: EPC-DO: 19-315
LA-UR: 19-28725
Locates Action No.: U1801172
Date: SEP 0 3 2019

GROUND WATER
SEP 03 2019
BUREAU

Mr. Steve Pullen, Program Manager
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: Submittal of Construction and Lithologic Logs for Alluvial Monitoring Wells, Radioactive Liquid Waste Treatment Facility, Los Alamos National Laboratory, Temporary Permission to Discharge

Dear Mr. Pullen:

In accordance with New Mexico Environment Department's (NMED's) August 21, 2019 Temporary Permission to Discharge from the Radioactive Liquid Waste Treatment Facility and NMED's January 30, 2019 approval of the Alluvial Monitoring Wells Workplan, the U.S. Department of Energy and Triad National Security, LLC are submitting construction and lithologic logs for the two replacement alluvial wells in Mortandad Canyon, Attachment 1.

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,

Tauna S. Van Valkenburg
Group Leader

TVV/MTS/WJF:jdm

Attachment(s): Attachment 1 Alluvial Monitoring Wells - Construction and Lithologic Logs

Copy: Shelly Lemon, NMED/SWQB, Shelly.Lemon@state.nm.us
John E. Kieling, NMED/HWB, john.kieling@state.nm.us
Michelle Hunter, NMED/GWQB, michelle.hunter@state.nm.us
Andrew Romero, NMED/GWQB, AndrewC.Romero@state.nm.us
Karen E. Armijo, NA-LA, Karen.Armijo@nnsa.doe.gov
Jody M. Pugh, NA-LA, jody.pugh@nnsa.doe.gov
Silas Deroma, NA-LA, silas.deroma@nnsa.doe.gov
Michael W. Hazen, ALDESHQSS, mhazen@lanl.gov
Enrique Torres, EPC-DO, etorres@lanl.gov
William H. Schwettmann, IPM, bills@lanl.gov
Randal S. Johnson, DESHF-TA55, randyj@lanl.gov
Alvin M. Aragon, TA-55-RLW, alaragon@lanl.gov
Michael T. Saladen, EPC-CP, saladen@lanl.gov
Robert S. Beers, EPC-CP, bbeers@lanl.gov
William J. Foley, EPC-CP, bfoley@lanl.gov
locatesteam@lanl.gov
epccorrespondence@lanl.gov
adesh-records@lanl.gov

ATTACHMENT 1

Alluvial Monitoring Wells - Construction and Lithologic Logs

EPC-DO: 19-315

LA-UR-19-28725

Date: SEP 0 3 2019

Los Alamos National Laboratory
Mortandad Canyon Alluvial Wells
Borehole Lithologic Log

BOREHOLE IDENTIFICATION (ID): RLW-A-1	**TECHNICAL AREA (TA):** 5	**PAGE:** 1 of 2
DRILLING COMPANY: Yellow Jacket Drilling Services	**START DATE/TIME:** 7/31/19 0920	**END DATE/TIME:** 7/31/19 1040
DRILLING METHOD: HSA (4 ¼-in ID x 8 ¼-in ID and 6 ¼-in ID x 10 ¼- in ID.	**DRILL RIG**: CME-85	**SAMPLING METHOD:** Drill cuttings grab samples and 2-in ID x 18-in split spoon; all depths are feet below ground surface (ft bgs).
GROUND ELEVATION: TBD ft AMSL	**CORE RECOVERY**: NA	**TOTAL DEPTH:** 24.3 ft (dry well)
DRILLERS: R. Rubio	**SITE GEOLOGISTS:** J. Jordan *James Jordan*	

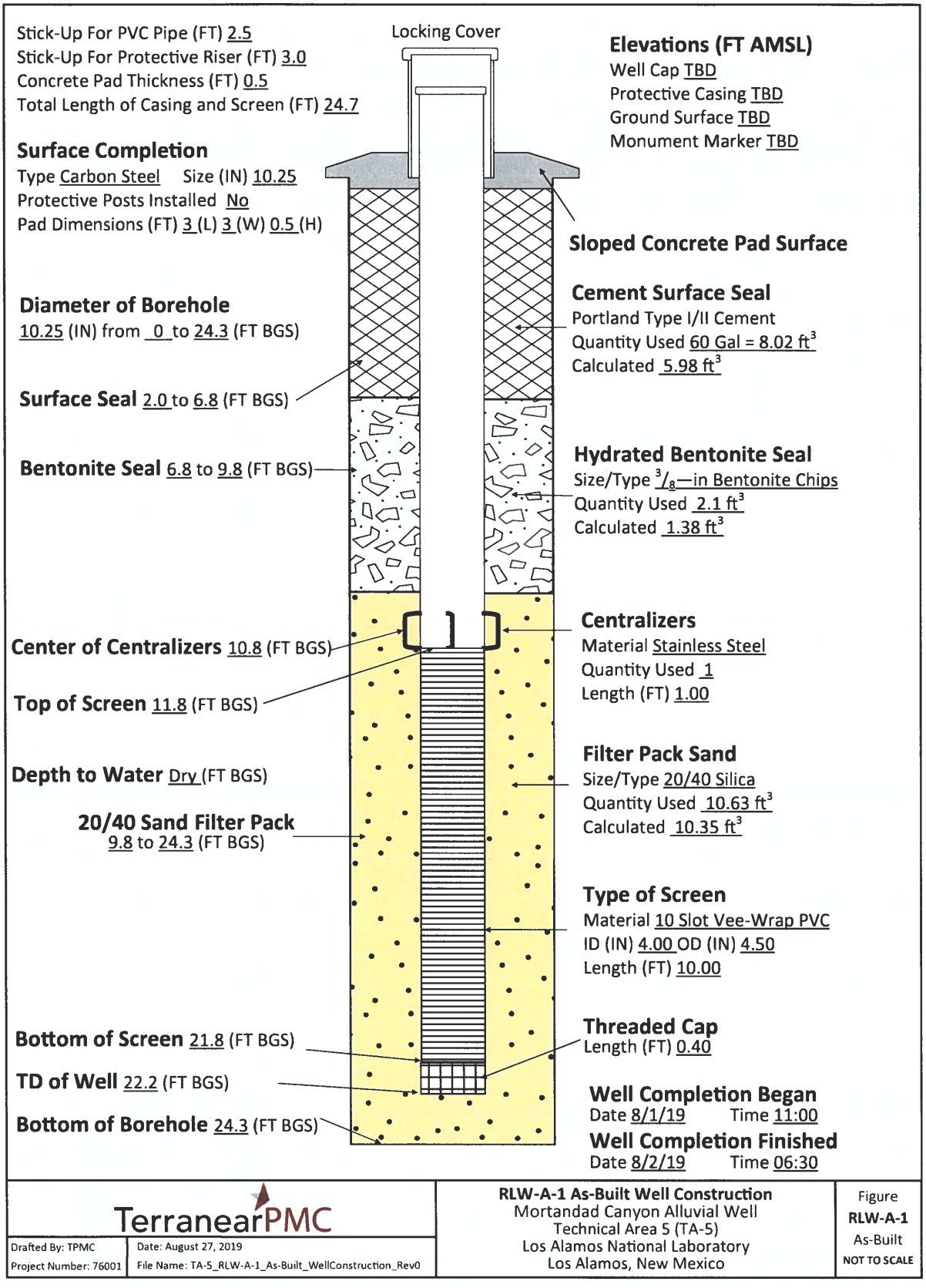
DEPTH (ft bgs)	LITHOLOGY	LITHOLOGIC SYMBOL	NOTES AND SAMPLE ID
0 – 5.5	Clayey sand, brown (7.5YR 4/3), fine to coarse grained sand, sub-angular to sub-rounded, loose, moist, organics (tree roots).	SC	Split Spoon sample 4 – 5.5 ft bgs (BCs 5/5/6).
5.5 – 10.5	Silty sand, dark brown (7.5YR 3/3), fine to medium grained sand, sub-angular to sub-rounded, trace pebbles, loose, moist, organics.	SM	Split Spoon sample 9 – 10.5 ft bgs (BCs 5/6/7).
10.5 – 15.5	Clayey sand, brown (7.5YR 4/4, fine to medium grained sand, sub-angular to sub-rounded, slightly firm, very moist.	SC	Split Spoon sample 14 – 15.5 ft bgs (BCs 6/6/7).
15.5 – 20	14 – 19 ft: same as above. 19 - 19.7 ft: clayey sand, dark brown (7.5YR 3/3), fine to medium sand, firm, wet. 19.7 ft: alluvium - tuff contact. 19.7 – 20 ft: Qbt3, brown (7.5YR 5/4), welded, with quartz and sanidine, trace lithic volcanic fragments, slightly moist.	SC/Qbt3	Split Spoon sample 19 – 20 ft bgs (BCs 8/50 for 6").
20 – 25	20 - 24 ft: firm drilling, Qbt3 as above. 24 - 25 ft, Qbt3, brown (7.5YR 5/3), moderately welded, slightly moist. TD borehole at 24.3 ft bgs.	Qbt3	Split Spoon sample 24 –25 ft bgs (BCs 30/50 for 6").

ABBREVIATIONS

5YR 5/3: Munsell soil color notation where hue (e.g., 5YR), value (e.g., 5), and chroma (e.g.,3) are expressed. Hue indicates soil color's relation to red, yellow, green, blue, and purple. Value indicates soil color's lightness. Chroma indicates soil color's strength.
%: estimated per cent by volume of a given sample constituent
Bgs: below ground surface
ft: feet.
HSA: hollow stem auger
TD: total depth
BCs: blow counts

Qbt3: Cooling Unit 3 of the Tshirege Member of the Bandelier Tuff

1mm = 0.039 in
1 in = 25.4 mm



TerranearPMC

Drafted By: TPMC | Date: August 27, 2019
Project Number: 76001 | File Name: TA-5_RLW-A-1_As-Built_WellConstruction_Rev0

RLW-A-1 As-Built Well Construction
Mortandad Canyon Alluvial Well
Technical Area 5 (TA-5)
Los Alamos National Laboratory
Los Alamos, New Mexico

Figure **RLW-A-1** As-Built
NOT TO SCALE

Los Alamos National Laboratory
Mortandad Canyon Alluvial Wells
Borehole Lithologic Log

BOREHOLE IDENTIFICATION (ID): RLW-A-2	**TECHNICAL AREA (TA):** 5	**PAGE:** 1 of 2
DRILLING COMPANY: Yellow Jacket Drilling Services	**START DATE/TIME:** 7/29/19 1200	**END DATE/TIME:** 7/29/19 1500
DRILLING METHOD: HSA (4 ¼-in ID x 8 ¼-in ID and 6 ¼-in ID x 10 ¼- in ID.	**DRILL RIG**: CME-85	**SAMPLING METHOD:** Drill cuttings grab samples and 2-in ID x 18-in split spoon; all depths are feet below ground surface (ft bgs).
GROUND ELEVATION: TBD ft AMSL	**CORE RECOVERY**: NA	**TOTAL DEPTH:** 40.9 ft bgs; DTW = 37.10 ft prior to bailing; 37.19 ft after bailing 31.9 gallons.
DRILLERS: R. Rubio	**SITE GEOLOGISTS:** J. Jordan James Jordan	

DEPTH (ft bgs)	LITHOLOGY	LITHOLOGIC SYMBOL	NOTES AND SAMPLE ID
0 – 5.5	0 – 4.25 ft: silty sand, dark brown (7.5YR 3/4), fine grained sand, moist, loose. 4.25 – 5.5 ft: poorly graded sand, brown (7.5YR 5/4), very fine to coarse grained sand, sub-angular to sub-rounded, slightly consolidated, less than 5% fines, slightly moist.	SM/SP	Split Spoon sample 4 – 5.5 ft bgs (BCs 5/10/11).
5.5 – 10.5	5.5 – 10.5 ft: same as above. 9 – 9.25 ft: slough. 9.25 – 10.5 ft: poorly graded sand with gravel, brown (7/5YR 5/4), very fine to very course gravely sand, sub-angular to sub-rounded, 5% gravel to 3/8 inch, sub-angular to sub-rounded, trace fines, slightly moist, loose.	SP	Split Spoon sample 9 – 10.5 ft bgs (BCs 5/5/6).
10.5 – 15.5	10.5 - 14 ft: same as above. 14 - 14.25 ft: slough. 14.25-14.85 ft: poorly graded sand, as above. 14.85-15.5 ft: silt, brown (7.5YR 4/4), trace amount of or organics (tree roots), slightly moist, slightly firm.	SP/ML	Split Spoon sample 14 – 15.5 ft bgs (BCs 5/10/12).
15.5 – 20.5	15.5 – 19 ft: silt as above. 19 – 19.2 ft: slough. 19.2 – 20.5 ft: silt as above.	ML	Split Spoon sample 19 – 20.5 ft bgs (BCs 5/18/13).
20.5 – 25.5	20 – 24 ft: same as above. 24 – 24.3 ft: slough. 24.3 – 25 ft: silty sand brown (7.5YR 5/4) fine-medium sand, trace pebbles (sub-angular to sub-rounded), slightly moist, firm.	ML/SM	Split Spoon sample 24 – 25.5 ft bgs (BCs 13/18/23).

Borehole Lithologic Log (continued)

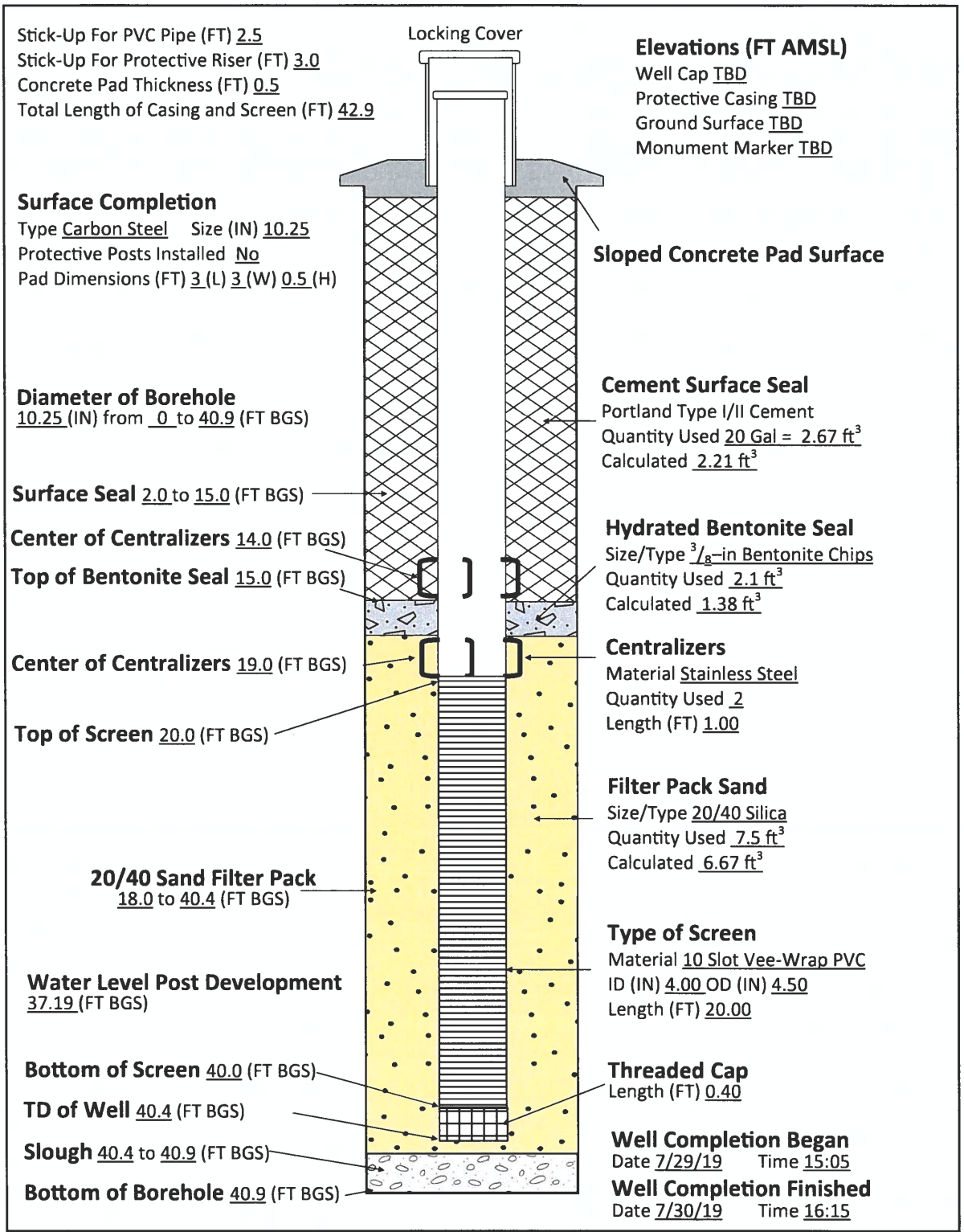
Borehole ID: RLW-A-2	**TA:** 52		**Page:** 2 of **2**
DEPTH (ft bgs)	**LITHOLOGY**	**LITHOLOGIC SYMBOL**	**NOTES AND SAMPLE ID**
25.5 – 30.5	25 – 29.2 ft: silty sand as above. 29.2 – 30.25 ft: clayey sand, brown (7.5YR 5/4), fine-medium grained sand, moist, slightly stiff. 30.25 ft: alluvium - tuff contact(?). 30.25 – 30.5 ft: Qbt3, pinkish gray (7.5YR 7/2), slightly welded, non-weathered, quartz and sanidine crystals, trace volcanic lithics fragments.	SM/SC/Qbt3	Split Spoon sample 29 – 30.5 ft bgs (BCs 12/18/30).
30.5 – 34.5	30.5 – 34.5 ft: same as above.	Qbt3	Split Spoon sample 34 – 34.5 ft bgs (BCs 50 for 6").
34.5 – 40.5	34.5 – 35 ft: same as above. 35 ft: tuff - alluvium contact(?). 35 – 40 ft: poorly graded sand with gravel and fines, dark brown (7.5YR 3/2), wet, fine to coarse gravely sand, sub-angular to sub-rounded, 5-10% gravel to 0.5-inch average, sub angular, 25% fines, slightly firm 37.1 ft, top of water. 40 – 40.5 ft: clayey sand, brown (7.5YR 4/4), fine to coarse sand, sub-angular to sub-rounded, moist. TD borehole at 40.9 ft.	Qbt3/SP/SC	Split Spoon sample 39 – 40.5 ft bgs (BCs 5/10/12).

ABBREVIATIONS

5YR 5/3: Munsell soil color notation where hue (e.g., 5YR), value (e.g., 5), and chroma (e.g.,3) are expressed. Hue indicates soil color's relation to red, yellow, green, blue, and purple. Value indicates soil color's lightness. Chroma indicates soil color's strength.
%: estimated per cent by volume of a given sample constituent
Bgs: below ground surface
ft: feet.
HSA: hollow stem auger
TD: total depth
BCs: blow counts

Qbt3: Cooling Unit 3 of the Tshirege Member of the Bandelier Tuff

1mm = 0.039 in
1 in = 25.4 mm



TerranearPMC	RLW-A-2 As-Built Well Construction Mortandad Canyon Alluvial Well Technical Area 5 (TA-5) Los Alamos National Laboratory Los Alamos, New Mexico	Figure RLW-A-2 As-Built NOT TO SCALE
Drafted By: TPMC Project Number: 76001	Date: August 27, 2019 File Name: TA-5_RLW-A-2_As-Built_WellConstruction_Rev0	

Los Alamos NATIONAL LABORATORY EST 1943

COPY

GROUND WATER
SEP 13 2019
BUREAU

Environmental Protection & Compliance Division
Environmental Compliance Programs (EPC-CP)
PO Box 1663, K491
Los Alamos, New Mexico 87545
(505) 667-2211

National Nuclear Security Administration
Los Alamos Field Office
3747 West Jemez Road, A316
Los Alamos, New Mexico, 87544
(505) 665-7314 /Fax (505) 667-5948

Symbol: EPC-DO: 19-321
LA-UR: 19-28769
Locates Action No.: U1801172
Date: SEP 13 2019

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: Request for Renewal of Temporary Permission to Discharge Treated Wastewater, Radioactive Liquid Waste Treatment Facility, Discharge Permit DP-1132

Dear Ms. Hunter:

On August 21, 2019, the New Mexico Environment Department (NMED) granted the request by the U.S. Department of Energy and Triad National Security, LLC (DOE/Triad) for temporary permission to continue to discharge up to 40,000 gallons per day of treated wastewater from the Technical Area (TA)-50 Radioactive Liquid Waste Treatment Facility (RLWTF) to the Mechanical Evaporator System (MES) and Outfall 051, as well as other activities described in the July 25, 2019 request (see Attachments 1 and 2). NMED approved the temporary permission for 120 days from June 18, 2019 through October 16, 2019 pursuant to 20.6.2.3106.B NMAC. As discussed in the request, the Water Quality Control Commission (WQCC) required the NMED to schedule a public hearing with a newly appointed hearing officer regarding a draft discharge permit (DP-1132). A public hearing on DP-1132 is expected to be held on November 14 and 15, 2019.

As a result of the WQCC Order, DOE/Triad seek an extension of the temporary permission to discharge previously granted by NMED on August 21, 2019 to (1) continue operations at RLWTF, (2) discharge treated wastewater from RLWTF to the MES and Outfall 051, and (3) complete other activities as described in the previously approved request while the draft discharge permit continues through the regulatory process. Attachment 3 contains the $150.00 filing fee required by 20.6.2.3114 NMAC.

Environmental Protection & Compliance Division
Environmental Compliance Programs (EPC-CP)
PO Box 1663, K491
Los Alamos, New Mexico 87545
(505) 667-2211

National Nuclear Security Administration
Los Alamos Field Office
3747 West Jemez Road, A316
Los Alamos, New Mexico, 87544
(505) 665-7314 /Fax (505) 667-5948

Symbol: EPC-DO: 19-321
LA-UR: 19-28769
Locates Action No.: U1801172
Date: SEP 1 3 2019

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: Request for Renewal of Temporary Permission to Discharge Treated Wastewater, Radioactive Liquid Waste Treatment Facility, Discharge Permit DP-1132

Dear Ms. Hunter:

On August 21, 2019, the New Mexico Environment Department (NMED) granted the request by the U.S. Department of Energy and Triad National Security, LLC (DOE/Triad) for temporary permission to continue to discharge up to 40,000 gallons per day of treated wastewater from the Technical Area (TA)-50 Radioactive Liquid Waste Treatment Facility (RLWTF) to the Mechanical Evaporator System (MES) and Outfall 051, as well as other activities described in the July 25, 2019 request (see Attachments 1 and 2). NMED approved the temporary permission for 120 days from June 18, 2019 through October 16, 2019 pursuant to 20.6.2.3106.B NMAC. As discussed in the request, the Water Quality Control Commission (WQCC) required the NMED to schedule a public hearing with a newly appointed hearing officer regarding a draft discharge permit (DP-1132). A public hearing on DP-1132 is expected to be held on November 14 and 15, 2019.

As a result of the WQCC Order, DOE/Triad seek an extension of the temporary permission to discharge previously granted by NMED on August 21, 2019 to (1) continue operations at RLWTF, (2) discharge treated wastewater from RLWTF to the MES and Outfall 051, and (3) complete other activities as described in the previously approved request while the draft discharge permit continues through the regulatory process. Attachment 3 contains the $150.00 filing fee required by 20.6.2.3114 NMAC.

We appreciate your attention to this matter. Please contact Karen E. Armijo at (505) 665-7314 or at Karen.Armijo@nnsa.doe.gov, or William Foley at (505) 665-8423 or at bfoley@lanl.gov if you have questions regarding this Temporary Permission Request.

Sincerely,

Enrique Torres
Division Leader
Environmental Protection & Compliance
Triad National Security, LLC

Sincerely,

Karen E. Armijo
Permitting and Compliance Program Manager
National Nuclear Security Administration
U.S. Department of Energy

ET/KEA/WJF:jdm

Attachment(s): Attachment 1 August 21, 2019 Letter from NMED Granting Temporary Permission To Discharge from the Technical Area (TA)-50 Radioactive Liquid Waste Treatment Facility (RLWTF)
Attachment 2 July 25, 2019 Letter Requesting Temporary Permission To Discharge from the Radioactive Liquid Waste Treatment Facility
Attachment 3 Check to NMED for Temporary Permission Filing Fee ($150.00)

Copy: Shelly Lemon, NMED/SWQB, Shelly.Lemon@state.nm.us
John E. Kieling, NMED/HWB, john.kieling@state.nm.us
Steve Pullen, NMED/GWQB, steve.pullen@state.nm.us
Andrew Romero, NMED/GWQB, AndrewC.Romero@state.nm.us
Karen E. Armijo, NA-LA, Karen.Armijo@nnsa.doe.gov
Jody M. Pugh, NA-LA, jody.pugh@nnsa.doe.gov
Silas Deroma, NA-LA, silas.deroma@nnsa.doe.gov
Michael W. Hazen, ALDESHQSS, mhazen@lanl.gov
Enrique Torres, EPC-DO, etorres@lanl.gov
William H. Schwettmann, IPM, bills@lanl.gov
Randal S. Johnson, DESHF-TA55, randyj@lanl.gov
Alvin M. Aragon, TA-55-RLW, alaragon@lanl.gov
Michael T. Saladen, EPC-CP, saladen@lanl.gov
Robert S. Beers, EPC-CP, bbeers@lanl.gov
William J. Foley, EPC-CP, bfoley@lanl.gov
locatesteam@lanl.gov
epccorrespondence@lanl.gov
adesh-records@lanl.gov

ATTACHMENT 1

August 21, 2019 Letter from NMED Granting Temporary Permission To Discharge from the Technical Area (TA)-50 Radioactive Liquid Waste Treatment Facility (RLWTF)

EPC-DO: 19-321

LA-UR-19-28769

Date: SEP 1 3 2019

Attachment 1

NEW MEXICO
ENVIRONMENT DEPARTMENT

Ground Water Quality Bureau
1190 South St. Francis Drive (87505)
P.O. Box 5469, Santa Fe, New Mexico 87502-5469
Phone (505) 827-2900 Fax (505) 827-2965
www.env.nm.gov

MICHELLE LUJAN GRISHAM
Governor

HOWIE C. MORALES
Lieutenant Governor

JAMES C. KENNEY
Cabinet Secretary

JENNIFER J. PRUETT
Deputy Secretary

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

August 21, 2019

Mr. Enrique Torres
EPC Division Director
Triad National Security, LLC.
Los Alamos National Laboratory
P.O. Box 1663, MS K404
Los Alamos, NM 87544

Ms. Karen E. Armijo
Permitting and Compliance Program Manager
National Nuclear Security Administration
Los Alamos Field Office
3747 West Jemez Road, A316
Los Alamos, NM 87544

RE: Temporary Permission to Discharge, Radioactive Liquid Waste Treatment Facility, DP-1132

Dear Mr. Torres and Ms. Armijo:

The New Mexico Environment Department (NMED) has reviewed a July 25, 2019 request from the U.S. Department of Energy and Triad National Security, LLC (DOE/Triad) for temporary permission for the continued discharge of up to 40,000 gallons per day of treated wastewater from the Radioactive Liquid Waste Treatment Facility (RLWTF) to the Mechanical Evaporator System (MES) and Outfall 051 (Request). The Request is associated with a groundwater discharge permit associated with the RLWTF (DP-1132) issued to DOE/Triad on August 29, 2018, which was subsequently vacated and remanded to NMED by the New Mexico Water Quality Control Commission (WQCC) on June 18, 2019 for a new hearing. The Request is made pursuant to 20.6.2.3106.B NMAC, which allows NMED's Cabinet Secretary (Secretary), for good cause shown, to allow a person to discharge without a permit for a period not to exceed 120 days.

The Request also seeks the continued use of the RLWTF's influent storage system (the Waste Management Risk Mitigation Facility) and continued work associated with NMED-approved workplans, i.e., stabilization of influent tanks no longer in service, installation of a soil moisture monitoring system, and the installation of two replacement monitoring wells located in the Mortandad Canyon alluvial aquifer.

DOE/Triad's Request commits to continued operation of the RLWTF in accordance with the procedures outlined in the discharge permit application and applicable requirements at 20.6.2 NMAC. The Request further commits to specific sampling and reporting activities associated with the discharge. The discharge is located within Los Alamos National Laboratory, approximately 1.5 miles south of Los Alamos, New Mexico, in Section 22, Township 19N, Range 06E, Los Alamos County.

Temporary permission to discharge for 120 days is hereby granted pursuant to 20.6.2.3106.B NMAC. Because the WQCC remanded DP-1132 on June 18, 2019, this permission will extend through October 16, 2019.

This approval does not relieve DOE/Triad of the responsibility to comply with any other applicable federal, state, and/or local laws and regulations, such as zoning requirements and nuisance ordinances. Also, this approval does not relieve DOE/Triad of liability should operation result in actual pollution of surface or ground waters.

If you have any questions, please contact Steve Pullen, manager of the bureau's Pollution Prevention Section at (505) 827-2962.

Sincerely,

Michelle Hunter, Chief
Ground Water Quality Bureau

MH:AR

cc: Robert Italiano, District Manager, NMED District II (electronic copy)
Steve Pullen, NMED/GWQB (electronic copy)
Andrew Romero, NMED/GWQB (electronic copy)
John Romero, Office of the State Engineer (electronic copy)
Anne Keller, DWB, UOCP (electronic copy)
John Kieling, NMED/HWB (electronic copy)
Shelly Lemon, NMED/SWQB (electronic copy)
Steven Yanicak, NMED/DOEOB (electronic copy)
Bob Beers, EPC-CP, bbeers@lanl.gov (electronic copy)

ATTACHMENT 2

July 25, 2019 Letter Requesting Temporary Permission To Discharge from the Radioactive Liquid Waste Treatment Facility

EPC-DO: 19-321

LA-UR-19-28769

Date: SEP 13 2019

Environmental Protection & Compliance Division
Environmental Compliance Programs (EPC-CP)
PO Box 1663, K491
Los Alamos, New Mexico 87545
(505) 667-2211

National Nuclear Security Administration
Los Alamos Field Office
3747 West Jemez Road, A316
Los Alamos, New Mexico, 87544
(505) 665-7314 /Fax (505) 667-5948

Symbol: EPC-DO: 19-261
LA-UR: 19-27018
Locates Action No.: U1801172
Date: JUL 25 2019

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: Request for Temporary Permission to Discharge Treated Wastewater, Radioactive Liquid Waste Treatment Facility, Discharge Permit DP-1132

Dear Ms. Hunter:

This letter accompanies a formal request, made pursuant to 20.6.2.3106(B) NMAC, that seeks temporary permission (TP) from the New Mexico Environment Department (NMED) to allow the U.S. Department of Energy and Triad National Security, LLC (DOE/Triad) to continue to discharge treated wastewater from the Technical Area (TA)-50 Radioactive Liquid Waste Treatment Facility (RLWTF) to certain units at the Los Alamos National Laboratory. As further detailed in Attachment 1, this request is associated with DOE/Triad's permit application (discharge plan), multiple draft permits (DP-1132) and a final DP-1132 issued by NMED on August 29, 2018. On June 18, 2019, the Water Quality Control Commission (WQCC) vacated DP-1132 in an Order that remanded the matter to NMED for a new hearing with a newly appointed Hearing Officer. In accordance with the WQCC's Order, on July 17, 2019, the NMED Secretary appointed a new hearing officer and scheduled a new hearing for September 24, 2019.

As a result of the WQCC's Order, DOE/Triad seek temporary permission from NMED to discharge up to 40,000 gallons per day of treated wastewater from the RLWTF to the Mechanical Evaporator System (MES) and Outfall 051, which is also regulated by a National Pollutant Discharge Elimination System (NPDES) permit issued by the U.S. Environmental Protection Agency (EPA) pursuant to the federal Clean Water Act Section 402, 33 U.S.C. §1342.

As described in DOE/Triad's Temporary Permission Request (Attachment 1), DOE/Triad will continue to operate the RLWTF in accordance with the permit application (discharge plan) and will meet applicable requirements under the WQCC rules at 20.6.2 NMAC. The RLWTF influent wastewater will be treated and discharged to meet applicable ground water standards, and DOE/Triad will ensure that the sampling and reporting requirements are met as outlined in the Temporary Permission Request. The Temporary Permission Request also seeks to continue the use of RLWTF's influent storage system (the Waste Management Risk Mitigation Facility) as described in the permit application and now-vacated DP-1132, and work associated with NMED-approved work plans, which address stabilization of influent tanks that ceased operation, installation of a soil moisture monitoring system, and installation of two replacement monitoring wells located in the Mortandad Canyon alluvial aquifer.

The following additional information is provided herewith:

- Attachment 1: Temporary Permission Request
- Attachment 2: Supporting Documentation
- Attachment 3: Check to NMED for temporary permission filing fee ($150.00)

We appreciate your attention to this matter. Please contact Karen E. Armijo at (505) 665-7314 or at Karen.Armijo@nnsa.doe.gov, or Bill Foley at (505) 665-8423 or at bfoley@lanl.gov if you have questions regarding this Temporary Permission Request.

Sincerely,

for E. Torres

Enrique "Kiki" Torres
Division Leader
Environmental Protection & Compliance
Triad National Security, LLC

Sincerely,

Karen E. Armijo
Permitting and Compliance Program Manager
National Nuclear Security Administration
U.S. Department of Energy

ET/KEA/WJF/RSB:jdm

Attachment(s): Attachment 1 Temporary Permission Request
Attachment 2 Supporting Documentation - NMED Approved Work Plans
Attachment 3 Check to the NMED for the temporary permission filing fee ($150.00)

Copy: Shelly Lemon, NMED/SWQB, Shelly.Lemon@state.nm.us
John E. Kieling, NMED/HWB, john.kieling@state.nm.us
Steve Pullen, NMED/GWQB, steve.pullen@state.nm.us
Andrew Romero, NMED/GWQB, AndrewC.Romero@state.nm.us
Karen E. Armijo, NA-LA, Karen.Armijo@nnsa.doe.gov
Gabriel M. Pugh, NA-LA, gabriel.pugh@nnsa.doe.gov
Jody M. Pugh, NA-LA, jody.pugh@nnsa.doe.gov
Silas Deroma, NA-LA, silas.deroma@nnsa.doe.gov
Peter Maggiore, NA-LA, peter.maggiore@nnsa.doe.gov
Richard K. Verhaagen, NA-LA, rkv@nnsa.doe.gov
Samuel E. Wisdom, NA-LA, samuel.wisdom@lanl.gov
Darlene S. Rodriguez, NA-LA dar_rod@lanl.gov
Michael W. Hazen, ALDESHQSS, mhazen@lanl.gov
William R. Marison, ADESHQSS, wmairson@lanl.gov
Enrique Torres, EPC-DO, etorres@lanl.gov
Jennifer E. Payne, EPC-DO, jpayne@lanl.gov
William H. Schwettmann, IPM, bills@lanl.gov
Randal S. Johnson, DESHF-TA55, randyj@lanl.gov
Denise C. Gelston, TA-55-RLW, dgelston@lanl.gov
Alvin M. Aragon, TA-55-RLW, alaragon@lanl.gov
Michael T. Saladen, EPC-CP, saladen@lanl.gov
Robert S. Beers, EPC-CP, bbeers@lanl.gov
William J. Foley, EPC-CP, bfoley@lanl.gov
locatesteam@lanl.gov
epccorrespondence@lanl.gov
adesh-records@lanl.gov

ATTACHMENT 3

Check to NMED for Temporary Permission
Filing Fee ($150.00)

EPC-DO: 19-321

LA-UR-19-28769

Date: SEP 1 3 2019

Check included with original submittal only

INVOICE NO	DATE	DESCRIPTION	DISCOUNT	NET AMOUNT
NON082919007	08/29/19	PERMIT FEE*DP 1132		$150.00

CHECK NO	DATE	VENDOR NO.	VENDOR NAME	TOTAL AMOUNT
400239	09/03/2019	AC0604401	NEW MEXICO ENVIRONMENTAL DEPT	150.00

THE FACE OF THIS DOCUMENT HAS A COLORED BACKGROUND ON WHITE PAPER, A VOID PANTOGRAPH AND MICROPRINTING. THE BACK OF THIS DOCUMENT HAS AN ARTIFICIAL WATERMARK – HOLD AT AN ANGLE TO VIEW.

Wells Fargo Bank NA

LOS ALAMOS NATIONAL LABORATORY
PO BOX 1663, MS P240
LOS ALAMOS, NM 87545

400239

PLEASE CASH PROMPTLY
SUBJECT TO CANCELLATION
90 DAYS AFTER DATE

MO	DAY	YR
09/03/19		

56-382
412

PAY One Hundred Fifty and 00/100 Dollars

$ *******150 00

TO THE ORDER OF
NEW MEXICO ENVIRONMENTAL DEPT
PO BOX 5469
SANTA FE NM 87502

Los Alamos NATIONAL LABORATORY

Authorized Signature

⑈00400239⑈ ⑆041203824⑆ 9683451745⑈

14784

Environmental Protection & Compliance Division
Environmental Compliance Programs (EPC-CP)
PO Box 1663, K491
Los Alamos, New Mexico 87545
(505) 667-2211

National Nuclear Security Administration
Los Alamos Field Office
3747 West Jemez Road, A316
Los Alamos, New Mexico, 87544
(505) 665-7314 /Fax (505) 667-5948

Symbol: EPC-DO: 19-324
LA-UR: 19-29042
Locates Action No.: U1801172
Date: SEP 19 2019

GROUND WATER
SEP 19 2019
BUREAU

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: Submittal of Well Completion Report for Alluvial Monitoring Wells, Radioactive Liquid Waste Treatment Facility, Los Alamos National Laboratory

Dear Ms. Hunter:

In accordance with New Mexico Environment Department's January 30, 2019 approval of the Alluvial Monitoring Wells Workplan, the U.S. Department of Energy and Triad National Security, LLC (DOE/Triad) are submitting the Well Completion Report for the two replacement alluvial wells in Mortandad Canyon and supporting information.

The following additional information is provided herewith:

- Attachment 1: Well Completion Report
- Attachment 2: Analytical Results Summary
- Attachment 3: Laboratory Quality Assurance/Quality Control Summary Report
- Attachment 4: Facility Layout Map
- Attachment 5: Office of the State Engineer Permit

Please contact Karen E. Armijo at (505) 665-7314 or at Karen.Armijo@nnsa.doe.gov, or William Foley at (505) 665-8423 or at bfoley@lanl.gov if you have questions regarding this Well Completion Report.

Sincerely,

Enrique Torres
Division Leader
Environmental Protection & Compliance
Triad National Security, LLC

Sincerely,

Karen E. Armijo
Permitting and Compliance Program Manager
National Nuclear Security Administration
U.S. Department of Energy

ET/KEA/WJF:jdm

Attachment(s): Attachment 1 Well Completion Report
Attachment 2 Analytical Results Summary
Attachment 3 Laboratory Quality Assurance/Quality Control Summary Report (CD) (available upon request)
Attachment 4 Facility Layout Map
Attachment 5 Office of the State Engineer Permit

Copy: Shelly Lemon, NMED/SWQB, Shelly.Lemon@state.nm.us
John E. Kieling, NMED/HWB, john.kieling@state.nm.us
Steve Pullen, NMED/GWQB, steve.pullen@state.nm.us
Andrew Romero, NMED/GWQB, AndrewC.Romero@state.nm.us
Karen E. Armijo, NA-LA, Karen.Armijo@nnsa.doe.gov
Jody M. Pugh, NA-LA, jody.pugh@nnsa.doe.gov
Silas Deroma, NA-LA, silas.deroma@nnsa.doe.gov
Michael W. Hazen, ALDESHQSS, mhazen@lanl.gov
William R. Mairson, ALDESHQSS, wrmairson@lanl.gov
Enrique Torres, EPC-DO, etorres@lanl.gov
Jennifer Payne, EPC-DO, jpayne@lanl.gov
William H. Schwettmann, IPM, bills@lanl.gov
Randal S. Johnson, DESHF-TA55, randyj@lanl.gov
Alvin M. Aragon, TA-55-RLW, alaragon@lanl.gov
Michael T. Saladen, EPC-CP, saladen@lanl.gov
Robert S. Beers, EPC-CP, bbeers@lanl.gov
William J. Foley, EPC-CP, bfoley@lanl.gov
locatesteam@lanl.gov
epccorrespondence@lanl.gov
adesh-records@lanl.gov

ATTACHMENT 1

Well Completion Report

EPC-DO: 19-324

LA-UR-19-29042

Date: SEP 19 2019

September 2019

Well Completion Report for Alluvial Wells RLW-A-1 and RLW-A-2

Los Alamos
NATIONAL LABORATORY
EST. 1943

Well Completion Report for Alluvial Wells RLW-A-1 and RLW-A-2

September 2019

Responsible LANL representative:

Printed Name	Signature	Title	Organization	Date
Al Aglialoro		Project Manager	PM10	9/16/2019

Primary LANL STR:

Printed Name	Signature	Title	Organization	Date
Gabriel Vigil	Gabriel Vigil	STR	PIO-Construction Management	

Responsible subcontractor representatives:

Printed Name	Signature	Title	Organization	Date
Peter Gram		Program Manager	TerranearPMC	

Printed Name	Signature	Title	Organization	Date
Andrew Crowder		Project Manager	TerranearPMC	

EXECUTIVE SUMMARY

This report details the drilling and installation of two alluvial groundwater monitoring wells, RLW-A-1 and RLW-A-2 in accordance with the NMED-approved Drilling Work Plan for Discharge Permit DP-1132 Alluvial Monitoring Wells. The alluvial groundwater monitoring wells were installed within TA-05 in Mortandad Canyon, hydrologically downgradient of Outfall 051 in Effluent Canyon.

Drilling and well installation took place from July 29-31, 2019, using a CME-85 hollow-stem auger (HSA) drill rig. The boreholes for the 4-inch (in) diameter wells were installed with 6.25-in inside-diameter (ID)/10.25-in outside-diameter (OD) hollow-stem augers. Subsurface soils were sampled at 5-ft intervals split spoon sampler to document lithology and the occurrence of groundwater. Well RLW-A-1 was installed to a total depth of 22.2 ft below ground surface (ft bgs) and well RLW-A-2 was installed to a depth of 40.4-ft bgs. RLW-A-1 did not encounter saturated conditions, but the screen was placed to target future potential groundwater recharge events. RLW-A-2 encountered alluvial groundwater and was successfully developed to target water-quality parameters.

CONTENTS

ACRONYM LIST

ASTM	American Society for Testing and Materials
bgs	Below ground surface
CME	Central Mine Equipment
EPA	Environmental Protection Agency
ES&H	Environment, Safety and Health
ft	Feet
HSA	Hollow-stem Auger
ID	Inside diameter
IDW	Investigation Derived Waste
in	inch
LANL	Los Alamos National Laboratory
NMED	New Mexico Environment Department
NTU	Nephelometric turbidity units
OD	Outside diameter
PVC	Polyvinyl chloride
QA	Quality Assurance
RCT	Radiological Control Technicians
RLWTF	Radioactive Liquid Waste Treatment Facility
SOW	Statement of Work
STR	Subcontract Technical Representative
TA	Technical Area
TD	Total Depth
TNS	Triad National Security, LLC
TPMC	TerranearPMC, LLC
WCSF	Waste Characterization Strategy Form

1.0 INTRODUCTION

1.1 Background

TerranearPMC, LLC (TPMC) was contracted to install a total of two alluvial groundwater monitoring wells by Triad National Security, LLC (TNS). The wells, designated as RLW-A-1 and RLW-A-2, are located within Los Alamos National Laboratory (LANL) Technical Area (TA) 5 in Los Alamos County, New Mexico (Figure 1). All work was performed under the statement of work (SOW) and in accordance with the approved Drilling Work Plan for Discharge Permit DP-1132 Alluvial Monitoring Wells (LANL, LA-UR-18-29710, February 22, 2019). Yellow Jacket Drilling Services, LLC (Yellow Jacket) performed the drilling and well installations.

The alluvial groundwater monitoring wells were installed hydraulically downgradient from the Radioactive Liquid Waste Treatment Facility (RLWTF), where Los Alamos National Laboratory (LANL) discharges treated effluent from TA-50 to NPDES Outfall 051 in Effluent Canyon. This fulfilled the requirements of Condition No. 33 of NMED Discharge Permit DP-1132.

This completion report provides details for the following activities: drilling, alluvial groundwater monitoring well installation and development, and investigation derived waste management.

2.0 FIELD ACTIVITIES

Field activities, including auger drilling, lithologic logging, alluvial groundwater monitoring well installation, surface completion, well development, transducer installation, waste management, and site restoration followed an approved Integrated Work Document (IWD). TPMC's Drilling Plan for TA-52 SET Boreholes and Monitoring Wells (June 2019) and the Drilling Work Plan for Discharge Permit DP-1132 Alluvial Monitoring Wells (LANL, LA-UR-18-29710, February 22, 2019) were used to guide field operations and ensure all objectives were met.

2.1 Site Preparation

On Tuesday July 2, 2019, Yellow Jacket mobilized a CME-85 hollow-stem auger (HSA) drill rig and support equipment to a laydown area at TA-52, at which time the rig was inspected by LANL radiological control technicians (RCT). RCTs cleared the drill rig and support equipment for use. The alluvial well drill sites in TA-5 were prepared with as minimal an impact and disturbance to the surrounding area as practical. LANL/Fill/Soil Disturbance Permit 19X-0376, Mortandad Alluvial Wells was issued to perform improvements to the existing road for the drill rig to gain safe access to well RLW-A-1. No road or drill pad construction was performed at well site RLW-A-2.

2.2 Auger Drilling

Subsequent to mobilizing the HSA rig to the site, the rig and all down-hole tools were inspected for cleanliness. Following completion of drilling activities at each location, augers and sampling tools were decontaminated by pressure washing. Decontamination was conducted in accordance with TPMC SOP-7007, R0, *Field Decontamination of Equipment*. Decontamination water was stored in two 55-gallon drums, staged at the TA-52 laydown area.

RLW-A-1 was drilled on July 31, 2019 and installed August 1, 2019 and RLW-A-2 was drilled and installed prior to that on July 29, 2019. The two alluvial wells were drilled with an HSA drill rig, following the most current version of ASTM D5784/D5784M-18, *Standard Guide for Use of Hollow-Stem Augers for Geoenvironmental Exploration and the Installation of Subsurface Water*

Quality Monitoring Devices. Two separate drill strings were used for borehole drilling and installation. First, a drill string comprised of 4.25-in ID/8.25-in OD hollow-stem augers, in 5-ft-long sections, was used to advance both boreholes, during which split-spoon drive samples were collected at 5-ft intervals for lithologic description. Following completion of initial borehole advancement and split-spoon sample collection, boreholes for each well were reamed-out with 6.25-in ID/10.25-in OD augers prior to well installation.

2.3 Well Installation

The borehole for RLW-A-1 was drilled and sampled to a total depth of 24.3-ft below ground surface (ft bgs). A 4-in ID schedule 40 PVC well casing string comprised of a threaded bottom cap, 10-ft section of 0.010-in continuous wrap vee-wire screen and blank pipe was installed inside the HAS string to a total depth of 22.2-ft bgs.

Following well casing placement, a 20/40 silica sand filter pack was installed from 24.3-ft bgs up to 9.8-ft bgs, extending two feet above the screened interval. After filter pack emplacement a 3-ft bentonite seal comprised of 3/8 bentonite chips was installed from 9.8-ft bgs up to 6.8-ft bgs and hydrated in place with municipal water. Upon completion of hydrated bentonite chip installation, the cement surface seal was installed from 6.8-ft bgs up to 2-ft bgs, using Portland Type I/II cement. All annular fill materials were installed through the HSA string as the augers were removed to minimize potential material sloughing into the annulus. A locking protective surface casing was then set in place with a concrete well pad, comprised of 4000-psi concrete, mixed on site. An as-built well construction diagram and borehole lithologic log are included as Appendix A.

The borehole for RLW-A-2 was advanced to a total depth of 40.9-ft bgs. A 4-in ID schedule 40 PVC well casing string comprised of a threaded bottom cap, two 10-ft sections of 0.010-in continuous wrap vee-wire screen and blank pipe was installed inside the augers, to a total depth of 40.4-ft bgs. Additionally, two sets of stainless-steel centralizers were installed on the blank section of PVC pipe, immediately above the screen and just above the bentonite seal. Following well casing placement, the borehole sloughed from 40.9-ft bgs up to 40.4-ft bgs. A 20/40 silica sand filter pack was installed around the well screen from 40.4-ft bgs up to 18-ft bgs, extending two feet above the screened interval. Subsequent to filter pack emplacement, a 3-ft bentonite seal was installed from 18-ft bgs up to 15-ft bgs, comprised of 3/8 bentonite chips, hydrated in place with municipal water. Upon completion of hydrated bentonite chip installation, the cement surface seal was installed from 15-ft bgs up to 2-ft bgs, using Portland Type I/II cement. All annular fill materials were installed through the HSA string, as the augers were removed, to minimize potential sloughing into the annulus. A locking protective surface casing was then set in place with a concrete well pad comprised of 4000-psi concrete, mixed on site. An as-built well construction diagram and borehole lithologic log are included as Appendix A

2.4 Well Development

Well RLW-A-1 was dry and therefore not developed. Alluvial well RLW-A-2 was developed using the standard procedures outlined in TPMC SOP-7013, R0, MC-1, *Well Development*. Pumping equipment was deconned in accordance to TPMC SOP-7007, R0, *Field Decontamination of Equipment*.

Development of well RLW-A-2 took place in two phases. The first phase of well development was performed by bailing and took place during filter pack installation on July 30, 2019. Following filter pack installation to 18.8-ft bgs, depth to water was measured at 36.6-ft bgs. During this phase of well development, 31.9 gallons of water were bailed; approximately twice the minimum of five borehole volumes required to be removed during development. The well was bailed in 15-minute

increments, followed by 22 to 25-minute rest periods, with the water level recovering close to 100% during the rest periods. During each round of bailing the amount of sediment observed in the bailed water decreased and the water color changed from dark brown to light brown. The filter pack depth did not drop from 18.8-ft bgs and was topped off to 18-ft bgs after bailing.

The second phase of well development took place on August 5, 2019. This phase of well development was performed with a Grundfos Redi-Flow variable frequency drive submersible pump. Prior to field mobilization, a YSI Pro DSS flow-through cell water quality meter was calibrated. The development pump was decontaminated by pumping a Liquinox-deionized water mixture through the pump, followed by a rinse with deionized water. Upon completion of decontamination, TPMC personnel assisted LANL personnel in collecting a quality assurance (QA) equipment blank sample by pumping deionized water through the pump and new ¼-in tubing directly into sample containers.

Following equipment blank sample collection, the depth to water in the well was measured at 37.19-ft bgs. The pump and ¼-in tubing were subsequently installed in the well with the pump intake set at approximately 39-ft bgs. The average pumping rate was approximately 0.5 gallons per minute (GPM). During this phase of development water quality field parameters were monitored with a YSI water quality flow-through cell until turbidity measurements stabilized below 5 nephelometric turbidity units (NTUs) for three consecutive readings and other field parameter stabilized to within limits specified in the SOP. Parameter stabilization criteria were achieved after 82 minutes, pumping a total of 57 gallons of water. Water quality parameters and water volume pumped are listed in Table 1. Upon completion of well development, LANL personnel collected water samples. Two 55-gallon drums of development water were stored on site and sampled by LANL personnel for waste characterization.

2.5 Permanent Transducer Installation

Permanent transducers have not been installed at the date of this report. Level TROLL® 500, 15 psi, vented pressure sensor transducers will be installed one foot above the bottom of each well for long-term water level monitoring.

2.6 Surface Completion

The wellhead surface completions include 10.25-in ID steel outer protective casings to protect the PVC well casings and transducer fittings. The protective casings extend into the borehole to approximately 2-ft bgs. The top of the PVC well casings are 2.5-ft above ground surface with top of the steel protective casings set at approximately 3-ft above ground surface. The wellheads are surrounded by a 3-ft by 3-ft by 0.5-ft-thick concrete pad, with an embedded brass survey monument. TPMC constructed wellhead surface completions for RLW-A-1 and RLW-A-2 in accordance with SOP-7012, R0, *Well Construction*.

2.7 Site Restoration

After development of the well all equipment was immediately removed from the well locations. All temporary stormwater BMPs were removed and the sites were returned to their original condition. The temporarily stored waste will be properly land applied or removed after receipt of waste characterization results.

3.0 INVESTIGATION DERIVED WASTE

A waste characterization strategy form (WCSF) was prepared by LANL in accordance with EP-DIR-SOP-10021 and all wastes generated during the Alluvial Groundwater Monitoring Well Installation were managed according to the WCSF.

This procedure incorporated the requirements of all applicable EPA and NMED regulations, DOE orders and Laboratory requirements. The primary waste streams included drill cuttings, contact waste, purge water, and decontamination water. Drill cuttings were managed in accordance with the NMED-approved Notice of Intent Decision Tree for Land Application of IDW Solids from Construction of Wells and Boreholes (November 2007). Dry drill cuttings were land-applied on site based on acceptable knowledge. Contact waste will be managed and characterized based on the waste determination of the drill cuttings.

Drill cuttings were temporarily stored on site in visquene envelopes in two categories; dry and wet. Dry cuttings were collected within the vadose zone and wet within the saturated groundwater zone. Wet cuttings, derived solely at RLW-A-2, are still in storage on site awaiting waste characterization at the time of this report. Development water is stored in two 55-gallon drums on site at RLW-A-2. Auger decontamination water is stored in two steel 55-gallon drums at the project laydown area, at TA-52. The dry cuttings were land applied based on acceptable knowledge that no contamination is present in soils within the monitoring well area. As of the submittal of this completion report, laboratory analytical results for decontamination and purge water and wet cuttings are still pending.

4.0 SURVEYING

A geodetic survey for both wells was conducted by LANL. Survey results will be entered into the LANL database system. Survey results (northing, easting, and elevation) are provided in New Mexico state plane coordinate system, North American Datum (NAD) 1983. Elevation is expressed in feet above mean sea level (amsl) using the National Geodetic Vertical Datum of 1929. Survey points include the top of brass monument in the concrete pad and top of the PVC well casing. Brass monuments will be stamped by LANL with well ID and elevation.

5.0 DEVIATIONS

- The SOW stated two sets of centralizers were to be installed; however, only one set of stainless-steel centralizers was installed on the PVC blank pipe in well RLW-A-1, immediately above the well screen. During installation of RLW-A-1 the LANL Subject Matter Expert (SME) believed the second centralizer (to be placed above the hydrated bentonite seal) was unnecessary due to the shallowness of the well.
- The SOW also called for a minimum 1-ft interval of filter pack material to be placed below the well; however, to avoid drilling RLW-A-2 deeper and to maximize usage of the thin zone of saturated alluvium (depth to water inside the well was 36.6-ft bgs), the LANL SME stated the well could be set at a depth that would allow only 0.5-ft of filter pack material to be placed below the well.

Table 1. RLW-A-2 Well Development Field Parameter Data (August 5, 2019)					
Time	T °C	SC µs/cm	pH	Turbidity (NTU)	Q = 0.5 gpm Total Discharge (gallons)
1245	13.1	559	6.92	40.1	2
1257	12.8	556	6.68	38.5	7
1306	12.8	554	6.66	22.2	12
1316	12.8	553	6.64	14.4	17
1325	12.8	552	6.64	7.59	22
1335	12.8	552	6.64	5.86	27
1344	12.7	552	6.65	4.49	32
1352	12.7	552	6.65	4.57	37
1402	12.7	552	6.66	3.96	42
1445	13.1	551	6.71	8.58	47
1503	13.1	551	6.71	4.14	57
1508	NR	NR	NR	4.01	NR
*1520	13.1	551	6.71	4.44	65

Notes:

NR: Not Recorded
Q: Pumping rate in gallons per minute
gpm: Gallons per minute
SC: Specific conductance
*1520: LANL personnel completed sampling, approximate water removed during sampling = 8 gallons.

Table 2. Alluvial Monitoring Wells Coordinates RLW-A-1 and RLW-A-2			
Identification	**Northing**	**Easting**	**Elevation**
RLW-A-1 brass monument embedded in pad	1769677.3	1631983.2	6887.10
RLW-A-1 top of PVC casing	1769676.1	1631984.1	6889.42
RLW-A-2 brass monument embedded in pad	1768915.7	1633702.4	6847.69
RLW-A-2 top of PVC casing	1768914.0	1633702.5	6849.82

Note: All coordinates are expressed as New Mexico State Plane Coordinate System Central Zone (NAD 83); elevation is expressed in ft amsl using the National Geodetic Vertical Datum of 1929

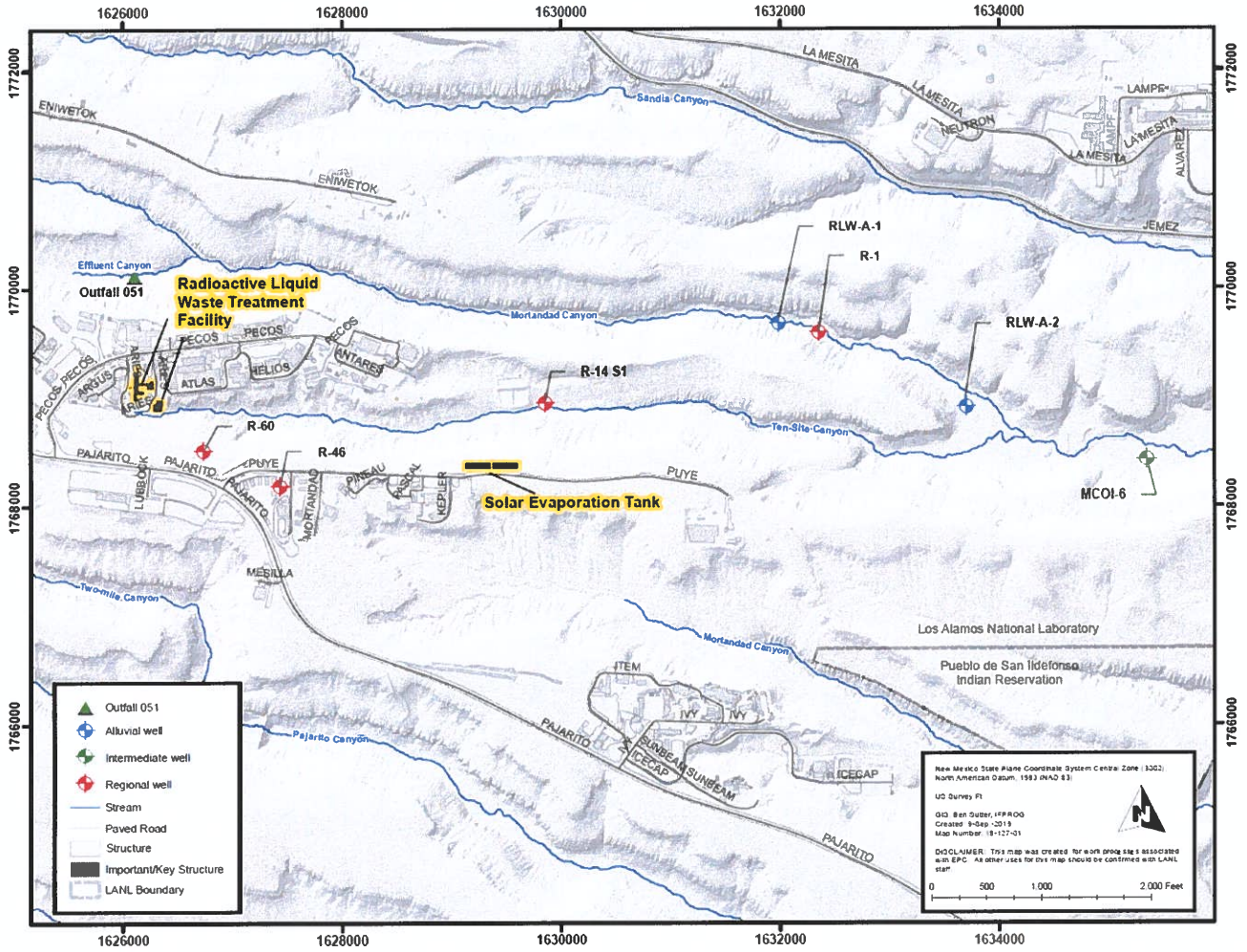


Figure 1 Location of Alluvial Groundwater Monitoring Wells RLW-A-1 and RLW-A-2

14799

Appendix A

RLW-A-1 and RLW-A-1 As-Built Well Construction Diagram and Borehole Lithologic Logs

Figure A-1 RLW-A-1 As-Built Well Construction Diagram

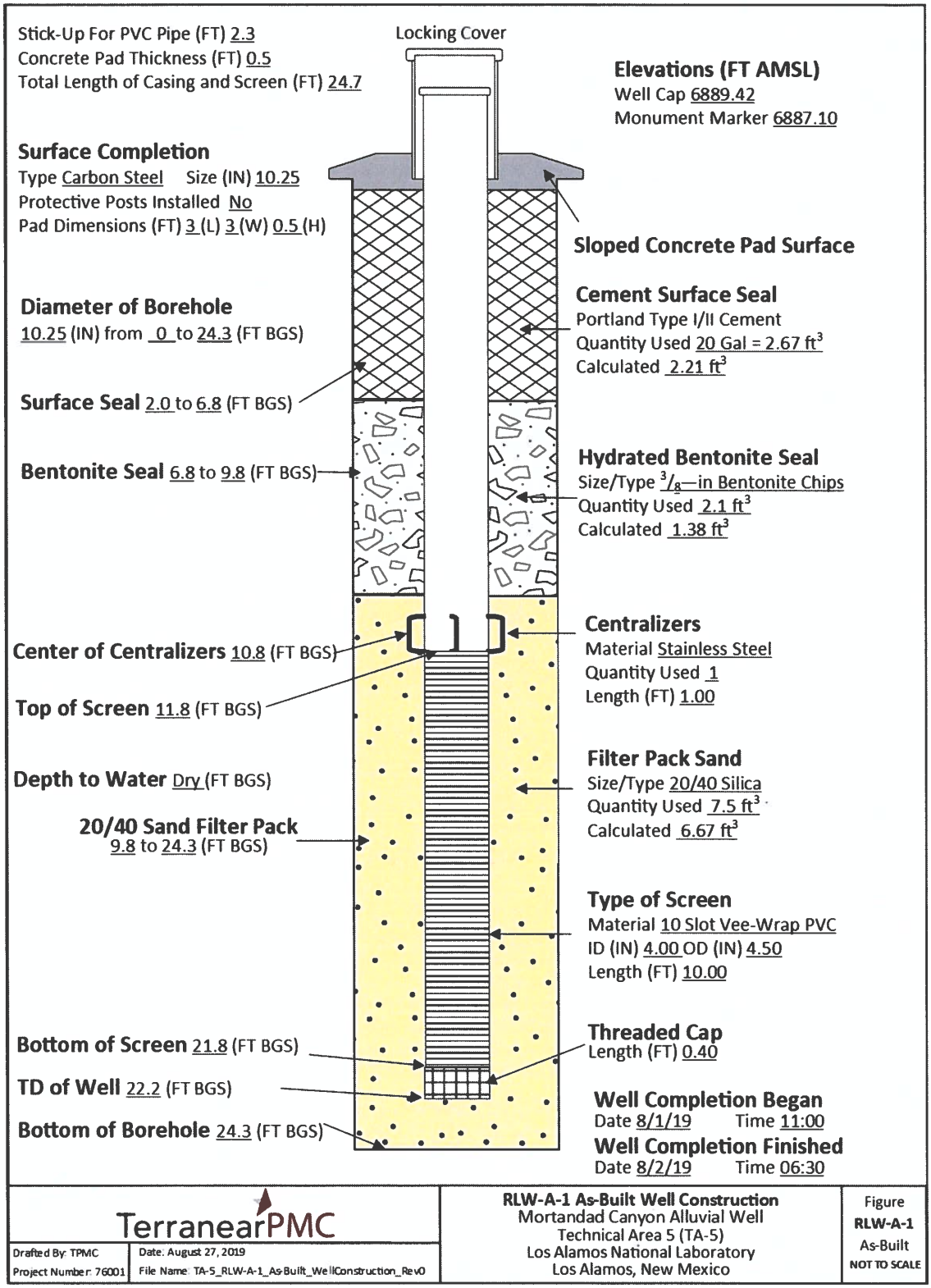


Figure A-2 RLW-A-1 Borehole Lithologic Log

BOREHOLE IDENTIFICATION (ID): RLW-A-1	**TECHNICAL AREA (TA):** 5	**PAGE:** 1 of 1
DRILLING COMPANY: Yellow Jacket Drilling Services	**START DATE/TIME:** 7/31/19 0920	**END DATE/TIME:** 7/31/19 1040
DRILLING METHOD: HSA (4 ¼-in ID x 8 ¼-in ID and 6 ¼-in ID x 10 ¼- in ID.	**DRILL RIG**: CME-85	**SAMPLING METHOD:** Drill cuttings grab samples and 2-in ID x 18-in split spoon; all depths are feet below ground surface (ft bgs).
GROUND ELEVATION: 6887.10 ft AMSL	**CORE RECOVERY**: NA	**TOTAL DEPTH:** 24.3 ft (dry well)
DRILLERS: R. Rubio	**SITE GEOLOGISTS:** J. Jordan	

DEPTH (ft bgs)	LITHOLOGY	LITHOLOGIC SYMBOL	NOTES AND SAMPLE ID
0 – 5.5	Clayey sand, brown (7.5YR 4/3), fine to coarse grained sand, sub-angular to sub-rounded, loose, moist, organics (tree roots).	SC	Split Spoon sample 4 – 5.5 ft bgs (BCs 5/5/6).
5.5 – 10.5	Silty sand, dark brown (7.5YR 3/3), fine to medium grained sand, sub-angular to sub-rounded, trace pebbles, loose, moist, organics.	SM	Split Spoon sample 9 – 10.5 ft bgs (BCs 5/6/7).
10.5 – 15.5	Clayey sand, brown (7.5YR 4/4, fine to medium grained sand, sub-angular to sub-rounded, slightly firm, very moist.	SC	Split Spoon sample 14 – 15.5 ft bgs (BCs 6/6/7).
15.5 – 20	14 – 19 ft: same as above. 19 - 19.7 ft: clayey sand, dark brown (7.5YR 3/3), fine to medium sand, firm, wet. 19.7 ft: alluvium - tuff contact. 19.7 – 20 ft: Qbt3, brown (7.5YR 5/4), welded, with quartz and sanidine, trace lithic volcanic fragments, slightly moist.	SC/Qbt3	Split Spoon sample 19 – 20 ft bgs (BCs 8/50 for 6").
20 – 25	20 - 24 ft: firm drilling, Qbt3 as above. 24 - 25 ft, Qbt3, brown (7.5YR 5/3), moderately welded, slightly moist. TD borehole at 24.3 ft bgs.	Qbt3	Split Spoon sample 24 –25 ft bgs (BCs 30/50 for 6").

ABBREVIATIONS

5YR 5/3: Munsell soil color notation where hue (e.g., 5YR), value (e.g., 5), and chroma (e.g.,3) are expressed. Hue indicates soil color's relation to red, yellow, green, blue, and purple. Value indicates soil color's lightness. Chroma indicates soil color's strength.
%: estimated per cent by volume of a given sample constituent
bgs: below ground surface
ft: feet.
HSA: hollow stem auger
TD: total depth

BCs: blow counts
Qbt3: Cooling Unit 3 of the Tshirege Member of the Bandelier Tuff
1mm = 0.039 in
1 in = 25.4 mm

Figure A-3 RLW-A-2 As-Built Well Construction Diagram

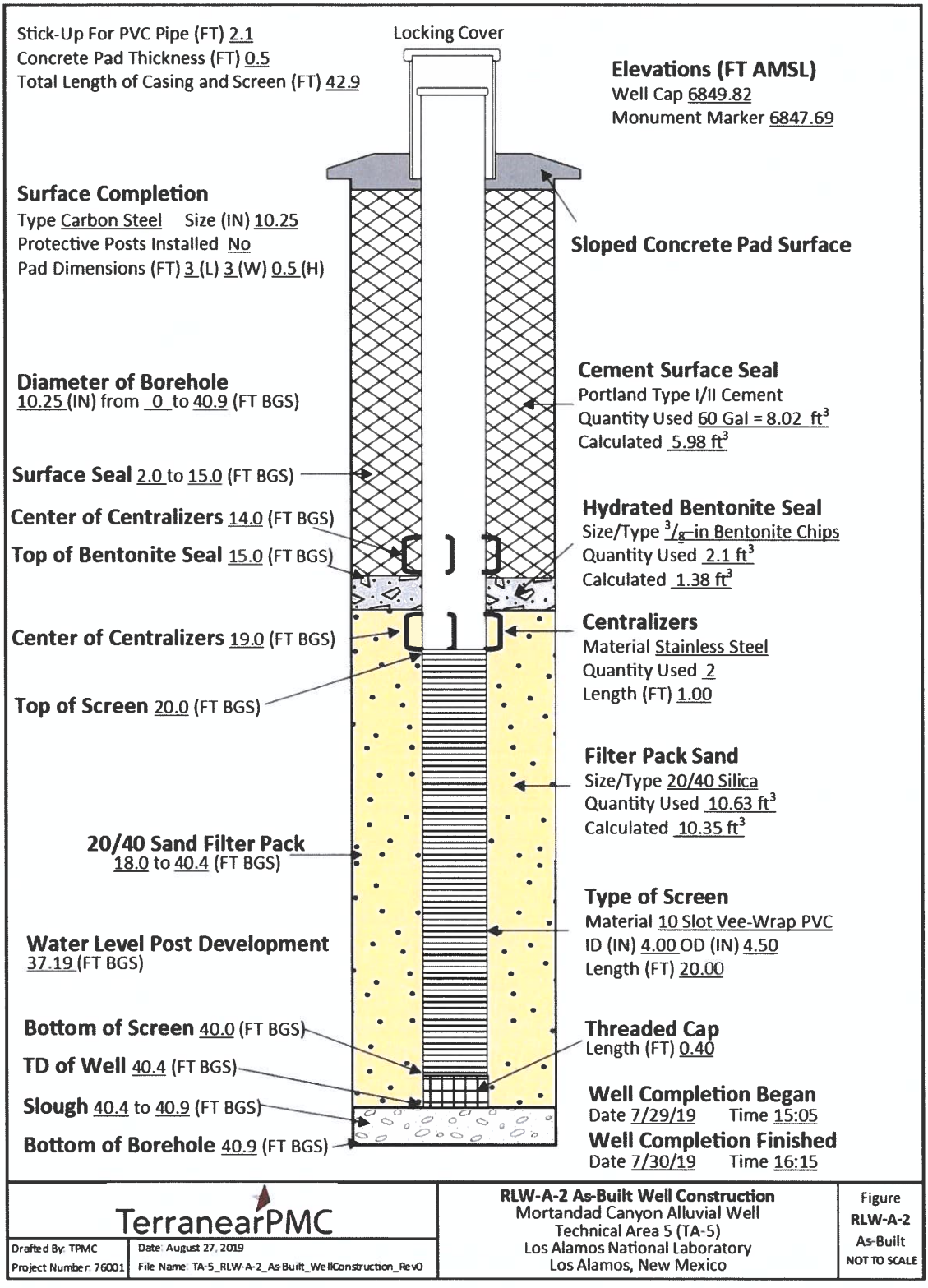


Figure A-4 RLW-A-2 Borehole Lithologic Log

BOREHOLE IDENTIFICATION (ID): RLW-A-2	**TECHNICAL AREA (TA):** 5	**PAGE:** 1 of 2
DRILLING COMPANY: Yellow Jacket Drilling Services	**START DATE/TIME:** 7/29/19 1200	**END DATE/TIME:** 7/29/19 1500
DRILLING METHOD: HSA (4 ¼-in ID x 8 ¼-in ID and 6 ¼-in ID x 10 ¼- in ID.	**DRILL RIG**: CME-85	**SAMPLING METHOD:** Drill cuttings grab samples and 2-in ID x 18-in split spoon; all depths are feet below ground surface (ft bgs).
GROUND ELEVATION: 6847.69 ft AMSL	**CORE RECOVERY**: NA	**TOTAL DEPTH:** 40.9 ft bgs; DTW = 37.10 ft prior to bailing; 37.19 ft after bailing 31.9 gallons.
DRILLERS: R. Rubio	**SITE GEOLOGISTS:** J. Jordan	

DEPTH (ft bgs)	LITHOLOGY	LITHOLOGIC SYMBOL	NOTES AND SAMPLE ID
0 – 5.5	0 – 4.25 ft: silty sand, dark brown (7.5YR 3/4), fine grained sand, moist, loose. 4.25 – 5.5 ft: poorly graded sand, brown (7.5YR 5/4), very fine to coarse grained sand, sub-angular to sub-rounded, slightly consolidated, less than 5% fines, slightly moist.	SM/SP	Split Spoon sample 4 – 5.5 ft bgs (BCs 5/10/11).
5.5 – 10.5	5.5 – 10.5 ft: same as above. 9 – 9.25 ft: slough. 9.25 – 10.5 ft: poorly graded sand with gravel, brown (7/5YR 5/4), very fine to very course gravely sand, sub-angular to sub-rounded, 5% gravel to 3/8 inch, sub-angular to sub-rounded, trace fines, slightly moist, loose.	SP	Split Spoon sample 9 – 10.5 ft bgs (BCs 5/5/6).
10.5 – 15.5	10.5 - 14 ft: same as above. 14 - 14.25 ft: slough. 14.25-14.85 ft: poorly graded sand, as above. 14.85-15.5 ft: silt, brown (7.5YR 4/4), trace amount of or organics (tree roots), slightly moist, slightly firm.	SP/ML	Split Spoon sample 14 – 15.5 ft bgs (BCs 5/10/12).
15.5 – 20.5	15.5 – 19 ft: silt as above. 19 – 19.2 ft: slough. 19.2 – 20.5 ft: silt as above.	ML	Split Spoon sample 19 – 20.5 ft bgs (BCs 5/18/13).
20.5 – 25.5	20 – 24 ft: same as above. 24 – 24.3 ft: slough. 24.3 – 25 ft: silty sand brown (7.5YR 5/4) fine-medium sand, trace pebbles (sub-angular to sub-rounded), slightly moist, firm.	ML/SM	Split Spoon sample 24 – 25.5 ft bgs (BCs 13/18/23).

RLW-A-2 Borehole Lithologic Log (continued)

Borehole ID: RLW-A-2	**TA:** 52		**Page:** 2 of **2**
DEPTH (ft bgs)	**LITHOLOGY**	**LITHOLOGIC SYMBOL**	**NOTES AND SAMPLE ID**
25.5 – 30.5	25 – 29.2 ft: silty sand as above. 29.2 – 30.25 ft: clayey sand, brown (7.5YR 5/4), fine-medium grained sand, moist, slightly stiff. 30.25 ft: alluvium - tuff contact(?). 30.25 – 30.5 ft: Qbt3, pinkish gray (7.5YR 7/2), slightly welded, non-weathered, quartz and sanidine crystals, trace volcanic lithics fragments.	SM/SC/Qbt3	Split Spoon sample 29 – 30.5 ft bgs (BCs 12/18/30).
30.5 – 34.5	30.5 – 34.5 ft: same as above.	Qbt3	Split Spoon sample 34 – 34.5 ft bgs (BCs 50 for 6").
34.5 – 40.5	34.5 – 35 ft: same as above. 35 ft: tuff - alluvium contact(?). 35 – 40 ft: poorly graded sand with gravel and fines, dark brown (7.5YR 3/2), wet, fine to coarse gravely sand, sub-angular to sub-rounded, 5-10% gravel to 0.5-inch average, sub angular, 25% fines, slightly firm 37.1 ft, top of water. 40 – 40.5 ft: clayey sand, brown (7.5YR 4/4), fine to coarse sand, sub-angular to sub-rounded, moist. TD borehole at 40.9 ft.	Qbt3/SP/SC	Split Spoon sample 39 – 40.5 ft bgs (BCs 5/10/12).

ABBREVIATIONS

5YR 5/3: Munsell soil color notation where hue (e.g., 5YR), value (e.g., 5), and chroma (e.g.,3) are expressed. Hue indicates soil color's relation to red, yellow, green, blue, and purple. Value indicates soil color's lightness. Chroma indicates soil color's strength.
%: estimated per cent by volume of a given sample constituent
Bgs: below ground surface
ft: feet.
HSA: hollow stem auger
TD: total depth
BCs: blow counts
Qbt3: Cooling Unit 3 of the Tshirege Member of the Bandelier Tuff
1mm = 0.039 in
1 in = 25.4 mm

ATTACHMENT 2

Analytical Results Summary

EPC-DO: 19-324

LA-UR-19-29042

Date: SEP 19 2019

Table 1. Analytical Results from MCA-RLW-2

Field Sample ID	Location ID	Sample Date	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Filtered	Lab Method	Regulatory Limit [1]
Field Measurement	MCA-RLW-2	08-05-2019	pH	6.71	su[2]					6-9
CAMO-19-184565	MCA-RLW-2	08-05-2019	Silver	0.300	ug/L[3]	U[6]	N[8]	Y[10]	EPA:200.8	50
CAMO-19-184565	MCA-RLW-2	08-05-2019	Aluminum	73.6	ug/L		Y[9]	Y	EPA:200.8	5,000
CAMO-19-184565	MCA-RLW-2	08-05-2019	Arsenic	2.00	ug/L	U	N	Y	EPA:200.8	100
CAMO-19-184565	MCA-RLW-2	08-05-2019	Boron	56.9	ug/L		Y	Y	EPA:200.7	750
CAMO-19-184565	MCA-RLW-2	08-05-2019	Barium	146	ug/L		Y	Y	EPA:200.8	2,000
CAMO-19-184565	MCA-RLW-2	08-05-2019	Beryllium	0.200	ug/L	U	N	Y	EPA:200.8	4
CAMO-19-184565	MCA-RLW-2	08-05-2019	Cadmium	0.300	ug/L	U	N	Y	EPA:200.8	10
CAMO-19-184565	MCA-RLW-2	08-05-2019	Cobalt	0.300	ug/L	U	N	Y	EPA:200.8	50
CAMO-19-184565	MCA-RLW-2	08-05-2019	Chromium	3.00	ug/L	U	N	Y	EPA:200.8	50
CAMO-19-184565	MCA-RLW-2	08-05-2019	Copper	1.19	ug/L	J[7]	Y	Y	EPA:200.8	1,000
CAMO-19-184565	MCA-RLW-2	08-05-2019	Iron	37.8	ug/L	J	Y	Y	EPA:200.7	1,000
CAMO-19-184565	MCA-RLW-2	08-05-2019	Manganese	3.71	ug/L	J	Y	Y	EPA:200.7	200
CAMO-19-184565	MCA-RLW-2	08-05-2019	Molybdenum	26.9	ug/L		Y	Y	EPA:200.8	1,000
CAMO-19-184565	MCA-RLW-2	08-05-2019	Nickel	0.912	ug/L	J	Y	Y	EPA:200.8	200
CAMO-19-184565	MCA-RLW-2	08-05-2019	Lead	0.500	ug/L	U	N	Y	EPA:200.8	50
CAMO-19-184565	MCA-RLW-2	08-05-2019	Antimony	1.00	ug/L	U	N	Y	EPA:200.8	6
CAMO-19-184565	MCA-RLW-2	08-05-2019	Selenium	2.00	ug/L	U	N	Y	EPA:200.8	50
CAMO-19-184565	MCA-RLW-2	08-05-2019	Thallium	0.600	ug/L	U	N	Y	EPA:200.8	2
CAMO-19-184565	MCA-RLW-2	08-05-2019	Uranium	0.264	ug/L		Y	Y	EPA:200.8	30
CAMO-19-184565	MCA-RLW-2	08-05-2019	Zinc	8.19	ug/L	J	Y	Y	EPA:200.7	10,000
CAMO-19-184567	MCA-RLW-2	08-05-2019	Ethylbenzene	0.300	ug/L	U	N	N[11]	SW-846:8260B	750
CAMO-19-184567	MCA-RLW-2	08-05-2019	Dichlorobenzene[1,4-]	0.300	ug/L	U	N	N	SW-846:8260B	75
CAMO-19-184567	MCA-RLW-2	08-05-2019	Dibromoethane[1,2-]	0.300	ug/L	U	N	N	SW-846:8260B	0.1
CAMO-19-184567	MCA-RLW-2	08-05-2019	Dichloroethane[1,2-]	0.300	ug/L	U	N	N	SW-846:8260B	10
CAMO-19-184567	MCA-RLW-2	08-05-2019	Oxybis(1-chloropropane)[2,2'-]	3.23	ug/L	U	N	N	SW-846:8270D	10
CAMO-19-184567	MCA-RLW-2	08-05-2019	Toluene	0.300	ug/L	U	N	N	SW-846:8260B	1,000
CAMO-19-184567	MCA-RLW-2	08-05-2019	Chlorobenzene	0.300	ug/L	U	N	N	SW-846:8260B	77.6
CAMO-19-184567	MCA-RLW-2	08-05-2019	Phenol	3.23	ug/L	U	N	N	SW-846:8270D	5
CAMO-19-184567	MCA-RLW-2	08-05-2019	Aroclor-1260	0.0381	ug/L	U	N	N	SW-846:8082	1[12]
CAMO-19-184567	MCA-RLW-2	08-05-2019	Aroclor-1254	0.0381	ug/L	U	N	N	SW-846:8082	1[12]
CAMO-19-184567	MCA-RLW-2	08-05-2019	Bis(2-chloroethyl)ether	3.23	ug/L	U	N	N	SW-846:8270D	0.137
CAMO-19-184567	MCA-RLW-2	08-05-2019	Aroclor-1221	0.0381	ug/L	U	N	N	SW-846:8082	1[12]
CAMO-19-184567	MCA-RLW-2	08-05-2019	Aroclor-1232	0.0381	ug/L	U	N	N	SW-846:8082	1[12]
CAMO-19-184567	MCA-RLW-2	08-05-2019	Bis(2-ethylhexyl)phthalate	0.323	ug/L	U	N	N	SW-846:8270D	55.6
CAMO-19-184567	MCA-RLW-2	08-05-2019	Hexachlorobenzene	3.23	ug/L	U	N	N	SW-846:8270D	0.0976
CAMO-19-184567	MCA-RLW-2	08-05-2019	Trinitrotoluene[2,4,6-]	0.0845	ug/L	U	N	N	SW-846:8330B	9.80
CAMO-19-184567	MCA-RLW-2	08-05-2019	Anthracene	0.323	ug/L	U	N	N	SW-846:8270D	1,720

14808

Table 1. Analytical Results from MCA-RLW-2

Field Sample ID	Location ID	Sample Date	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Filtered	Lab Method	Regulatory Limit [1]
CAMO-19-184567	MCA-RLW-2	08-05-2019	Dichlorophenol[2,4-]	3.23	ug/L	U	N	N	SW-846:8270D	45.3
CAMO-19-184567	MCA-RLW-2	08-05-2019	Dinitrotoluene[2,4-]	3.23	ug/L	U	N	N	SW-846:8270D	2.37
CAMO-19-184567	MCA-RLW-2	08-05-2019	RDX	0.0845	ug/L	U	N	N	SW-846:8330B	9.66
CAMO-19-184567	MCA-RLW-2	08-05-2019	Aroclor-1248	0.0381	ug/L	U	N	N	SW-846:8082	1[12]
CAMO-19-184567	MCA-RLW-2	08-05-2019	Aroclor-1016	0.0381	ug/L	U	N	N	SW-846:8082	1[12]
CAMO-19-184567	MCA-RLW-2	08-05-2019	Tetrachloroethene	0.300	ug/L	U	N	N	SW-846:8260B	20
CAMO-19-184567	MCA-RLW-2	08-05-2019	Pyrene	0.323	ug/L	U	N	N	SW-846:8270D	117
CAMO-19-184567	MCA-RLW-2	08-05-2019	Dimethyl Phthalate	0.323	ug/L	U	N	N	SW-846:8270D	612
CAMO-19-184567	MCA-RLW-2	08-05-2019	Xylene (Total)	0.300	ug/L	U	N	N	SW-846:8260B	620
CAMO-19-184567	MCA-RLW-2	08-05-2019	Dichloroethene[cis-1,2-]	0.300	ug/L	U	N	N	SW-846:8260B	70
CAMO-19-184567	MCA-RLW-2	08-05-2019	Dichloroethene[trans-1,2-]	0.300	ug/L	U	N	N	SW-846:8260B	100
CAMO-19-184567	MCA-RLW-2	08-05-2019	Methyl tert-Butyl Ether	0.300	ug/L	U	N	N	SW-846:8260B	100
CAMO-19-184567	MCA-RLW-2	08-05-2019	Benzo(b)fluoranthene	0.323	ug/L	U	N	N	SW-846:8270D	0.343
CAMO-19-184567	MCA-RLW-2	08-05-2019	Fluoranthene	0.323	ug/L	U	N	N	SW-846:8270D	802
CAMO-19-184567	MCA-RLW-2	08-05-2019	Benzo(k)fluoranthene	0.323	ug/L	U	N	N	SW-846:8270D	3.43
CAMO-19-184567	MCA-RLW-2	08-05-2019	HMX	0.0845	ug/L	U	N	N	SW-846:8330B	1,000
CAMO-19-184567	MCA-RLW-2	08-05-2019	Aldrin	0.00665	ug/L	U	N	N	SW-846:8081B	0.00198
CAMO-19-184567	MCA-RLW-2	08-05-2019	BHC[alpha-]	0.00665	ug/L	U	N	N	SW-846:8081B	0.0693
CAMO-19-184567	MCA-RLW-2	08-05-2019	BHC[beta-]	0.00665	ug/L	U	N	N	SW-846:8081B	0.243
CAMO-19-184567	MCA-RLW-2	08-05-2019	Endosulfan II	0.010	ug/L	U	N	N	SW-846:8081B	98.7[13]
CAMO-19-184567	MCA-RLW-2	08-05-2019	DDT[4,4'-]	0.010	ug/L	U	N	N	SW-846:8081B	2.29
CAMO-19-184567	MCA-RLW-2	08-05-2019	Benzo(a)pyrene	0.323	ug/L	U	N	N	SW-846:8270D	0.7
CAMO-19-184567	MCA-RLW-2	08-05-2019	Dinitrophenol[2,4-]	5.38	ug/L	U	N	N	SW-846:8270D	38.7
CAMO-19-184567	MCA-RLW-2	08-05-2019	Dinitro-2-methylphenol[4,6-]	3.23	ug/L	U	N	N	SW-846:8270D	1.52
CAMO-19-184567	MCA-RLW-2	08-05-2019	Aroclor-1242	0.0381	ug/L	U	N	N	SW-846:8082	1[12]
CAMO-19-184567	MCA-RLW-2	08-05-2019	Dichloropropene[cis/trans-1,3-]	0.300	ug/L	U	N	N	SW-846:8260B	4.71
CAMO-19-184567	MCA-RLW-2	08-05-2019	Nitrosodiethylamine[N-]	3.23	ug/L	U	N	N	SW-846:8270D	0.00167
CAMO-19-184567	MCA-RLW-2	08-05-2019	Carbon Tetrachloride	0.300	ug/L	U	N	N	SW-846:8260B	10
CAMO-19-184567	MCA-RLW-2	08-05-2019	Chlordane(alpha/gamma)	0.0765	ug/L	U	N	N	SW-846:8081B	0.448
CAMO-19-184567	MCA-RLW-2	08-05-2019	BHC[gamma-]	0.00665	ug/L	U	N	N	SW-846:8081B	0.415
CAMO-19-184567	MCA-RLW-2	08-05-2019	Dieldrin	0.010	ug/L	U	N	N	SW-846:8081B	0.0175
CAMO-19-184567	MCA-RLW-2	08-05-2019	Dinitrotoluene[2,6-]	3.23	ug/L	U	N	N	SW-846:8270D	0.485
CAMO-19-184567	MCA-RLW-2	08-05-2019	Pentachlorobenzene	3.23	ug/L	U	N	N	SW-846:8270D	3.07
CAMO-19-184567	MCA-RLW-2	08-05-2019	Nitrosodimethylamine[N-]	3.23	ug/L	U	N	N	SW-846:8270D	0.00491
CAMO-19-184567	MCA-RLW-2	08-05-2019	Chloroform	0.300	ug/L	U	N	N	SW-846:8260B	100
CAMO-19-184567	MCA-RLW-2	08-05-2019	Hexachloroethane	3.23	ug/L	U	N	N	SW-846:8270D	3.28
CAMO-19-184567	MCA-RLW-2	08-05-2019	Benzene	0.300	ug/L	U	N	N	SW-846:8260B	10
CAMO-19-184567	MCA-RLW-2	08-05-2019	Trichloroethane[1,1,1-]	0.300	ug/L	U	N	N	SW-846:8260B	200

14809

Table 1. Analytical Results from MCA-RLW-2

Field Sample ID	Location ID	Sample Date	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Filtered	Lab Method	Regulatory Limit [1]
CAMO-19-184567	MCA-RLW-2	08-05-2019	Endrin	0.010	ug/L	U	N	N	SW-846:8081B	2.23
CAMO-19-184567	MCA-RLW-2	08-05-2019	Bromomethane	0.300	ug/L	U	N	N	SW-846:8260B	7.54
CAMO-19-184567	MCA-RLW-2	08-05-2019	Chloromethane	0.300	ug/L	U	N	N	SW-846:8260B	20.3
CAMO-19-184567	MCA-RLW-2	08-05-2019	Dibromomethane	0.300	ug/L	U	N	N	SW-846:8260B	8
CAMO-19-184567	MCA-RLW-2	08-05-2019	Vinyl Chloride	0.300	ug/L	U	N	N	SW-846:8260B	2
CAMO-19-184567	MCA-RLW-2	08-05-2019	Methylene Chloride	1.00	ug/L	U	N	N	SW-846:8260B	100
CAMO-19-184567	MCA-RLW-2	08-05-2019	Bromoform	0.300	ug/L	U	N	N	SW-846:8260B	32.9
CAMO-19-184567	MCA-RLW-2	08-05-2019	Bromodichloromethane	0.300	ug/L	U	N	N	SW-846:8260B	1.34
CAMO-19-184567	MCA-RLW-2	08-05-2019	Dichloroethane[1,1-]	0.300	ug/L	U	N	N	SW-846:8260B	25
CAMO-19-184567	MCA-RLW-2	08-05-2019	Dichloroethene[1,1-]	0.300	ug/L	U	N	N	SW-846:8260B	7
CAMO-19-184567	MCA-RLW-2	08-05-2019	Trichlorofluoromethane	0.300	ug/L	U	N	N	SW-846:8260B	1,140
CAMO-19-184567	MCA-RLW-2	08-05-2019	Dichlorodifluoromethane	0.300	ug/L	U	N	N	SW-846:8260B	197
CAMO-19-184567	MCA-RLW-2	08-05-2019	Heptachlor	0.00665	ug/L	U	N	N	SW-846:8081B	0.0221
CAMO-19-184567	MCA-RLW-2	08-05-2019	Hexachlorocyclopentadiene	3.23	ug/L	U	N	N	SW-846:8270D	0.411
CAMO-19-184567	MCA-RLW-2	08-05-2019	Isophorone	3.76	ug/L	U	N	N	SW-846:8270D	781
CAMO-19-184567	MCA-RLW-2	08-05-2019	Trichloroethane[1,1,2-]	0.300	ug/L	U	N	N	SW-846:8260B	10
CAMO-19-184567	MCA-RLW-2	08-05-2019	Trichloroethene	0.300	ug/L	U	N	N	SW-846:8260B	100
CAMO-19-184567	MCA-RLW-2	08-05-2019	Tetrachloroethane[1,1,2,2-]	0.300	ug/L	U	N	N	SW-846:8260B	10
CAMO-19-184567	MCA-RLW-2	08-05-2019	Toxaphene (Technical Grade)	0.150	ug/L	U	N	N	SW-846:8081B	0.158
CAMO-19-184567	MCA-RLW-2	08-05-2019	Diethylphthalate	0.323	ug/L	U	N	N	SW-846:8270D	14,800
CAMO-19-184567	MCA-RLW-2	08-05-2019	Di-n-butylphthalate	0.323	ug/L	U	N	N	SW-846:8270D	885
CAMO-19-184567	MCA-RLW-2	08-05-2019	Phenanthrene	0.323	ug/L	U	N	N	SW-846:8270D	170
CAMO-19-184567	MCA-RLW-2	08-05-2019	Fluorene	0.323	ug/L	U	N	N	SW-846:8270D	288
CAMO-19-184567	MCA-RLW-2	08-05-2019	Hexachlorobutadiene	3.23	ug/L	U	N	N	SW-846:8270D	1.39
CAMO-19-184567	MCA-RLW-2	08-05-2019	Pentachlorophenol	3.23	ug/L	U	N	N	SW-846:8270D	1
CAMO-19-184567	MCA-RLW-2	08-05-2019	Trichlorophenol[2,4,6-]	3.23	ug/L	U	N	N	SW-846:8270D	11.90
CAMO-19-184567	MCA-RLW-2	08-05-2019	Methylnaphthalene[1-]	0.323	ug/L	U	N	N	SW-846:8270D	11.4
CAMO-19-184567	MCA-RLW-2	08-05-2019	Naphthalene	0.323	ug/L	U	N	N	SW-846:8270D	1.65
CAMO-19-184567	MCA-RLW-2	08-05-2019	Methylnaphthalene[2-]	0.323	ug/L	U	N	N	SW-846:8270D	35.1
CAMO-19-184567	MCA-RLW-2	08-05-2019	Dichlorobenzidine[3,3'-]	3.23	ug/L	U	N	N	SW-846:8270D	1.25
CAMO-19-184567	MCA-RLW-2	08-05-2019	Benzidine	4.19	ug/L	U	N	N	SW-846:8270D	0.00109
CAMO-19-184567	MCA-RLW-2	08-05-2019	Nitroso-di-n-butylamine[N-]	3.23	ug/L	U	N	N	SW-846:8270D	0.0273
CAMO-19-184567	MCA-RLW-2	08-05-2019	Nitrosopyrrolidine[N-]	3.23	ug/L	U	N	N	SW-846:8270D	0.37
CAMO-19-184567	MCA-RLW-2	08-05-2019	Xylene[1,2-]	0.300	ug/L	U	N	N	SW-846:8260B	193
CAMO-19-184567	MCA-RLW-2	08-05-2019	Tetrachlorobenzene[1,2,4,5]	3.23	ug/L	U	N	N	SW-846:8270D	1.66
CAMO-19-184567	MCA-RLW-2	08-05-2019	Trichlorophenol[2,4,5-]	3.23	ug/L	U	N	N	SW-846:8270D	1,170
CAMO-19-184567	MCA-RLW-2	08-05-2019	Endosulfan I	0.00665	ug/L	U	N	N	SW-846:8081B	98.7[13]
CAMO-19-184567	MCA-RLW-2	08-05-2019	Nitrobenzene	3.23	ug/L	U	N	N	SW-846:8270D	1.4
CAMO-19-184567	MCA-RLW-2	08-05-2019	Cyanide (Total)	0.00167	mg/L	U	N	N	EPA:335.4	200

14810

Table 1. Analytical Results from MCA-RLW-2

Field Sample ID	Location ID	Sample Date	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Filtered	Lab Method	Regulatory Limit [1]
CAMO-19-184567	MCA-RLW-2	08-05-2019	Mercury	0.076	ug/L	J	Y	N	EPA:245.2	2
CAMO-19-184567	MCA-RLW-2	08-05-2019	Total PAHs	0.0	ug/L	U	N	N	SW-846:8270D	30
CAMO-19-184567	MCA-RLW-2	08-05-2019	Radium-226	1.42	pCi/L[4]		Y	N	EPA:903.1	30[11]
CAMO-19-184567	MCA-RLW-2	08-05-2019	Radium-228	0.0972	pCi/L	U	N	N	EPA:904	30[11]
CAMO-19-184567	MCA-RLW-2	08-05-2019	Xylene[1,3-]+Xylene[1,4-]	0.300	ug/L	U	N	N	SW-846:8260B	193
CAMO-19-184575	MCA-RLW-2	08-05-2019	Total Kjeldahl Nitrogen	0.297	mg/L[5]		Y	N	EPA:351.2	
CAMO-19-184579	MCA-RLW-2	08-05-2019	Chloride	97.0	mg/L		Y	Y	EPA:300.0	250
CAMO-19-184579	MCA-RLW-2	08-05-2019	Perchlorate	6.62	ug/L		Y	Y	SW-846:6850	13.8
CAMO-19-184579	MCA-RLW-2	08-05-2019	Fluoride	0.995	mg/L		Y	Y	EPA:300.0	1.6
CAMO-19-184579	MCA-RLW-2	08-05-2019	Nitrate-Nitrite as Nitrogen	0.0703	mg/L		Y	Y	EPA:353.2	10
CAMO-19-184579	MCA-RLW-2	08-05-2019	Total Dissolved Solids	347	mg/L		Y	Y	EPA:160.1	1,000

Notes:

[1] Regulatory limit represents standards for groundwater as identified in New Mexico Administrative Code (NMAC) 20.6.2.3103. If no NMAC 20.6.2.3103 standard identified and the compound is included the in NMAC 20.6.2.7(WW) then the most restrictive Table A-1 NMED Soil Screening Levels for tap water are identified.

[2] su - standard units.

[3] ug/L - microgram per liter.

[4] pCi/L - picocurie per liter.

[5] mg/L - milligram per liter.

[6] U - in the lab qualifier column means analyte is classified as not detected.

[7] J - in the lab qualifier comment means the analyte is classified as estimated.

[8] N - in the detect flag column means the analyte was undetected.

[9] Y - in the detect flag column means the analyte was detected.

[10] N - in the filtered column means the sample was unfiltered.

[11] Y - in the filtered column means the sample was filtered.

[12] Regulatory standard for all Polychlorinated Biphenyls combined is 1 ug/L.

[13] Regulatory standard for combined Endosulfans is 98.7 ug/L.

[14] Regulatory standard for combined Radium-226 and Radium-228 is 30 pCi/L.

14811

ATTACHMENT 3

Laboratory Quality Assurance/Quality Control Summary Report (CD)

(available upon request)

EPC-DO: 19-324

LA-UR-19-29042

Date: SEP 19 2019

ATTACHMENT 3

Enclosure 3 is one CD. This CD contains the analytical report from samples obtained in accordance with the New Mexico Enviornment Departments January 30, 2019 approval of the Alluvial Monitoring Wells Workplan submitted on November 19, 2018 (EPC-DO-18-414). These reports are for samples collected and sent to the off-site independent National Environmental Laboratory Accreditation Program– (NELAP-)-accredited analytical laboratory.

ATTACHMENT 4

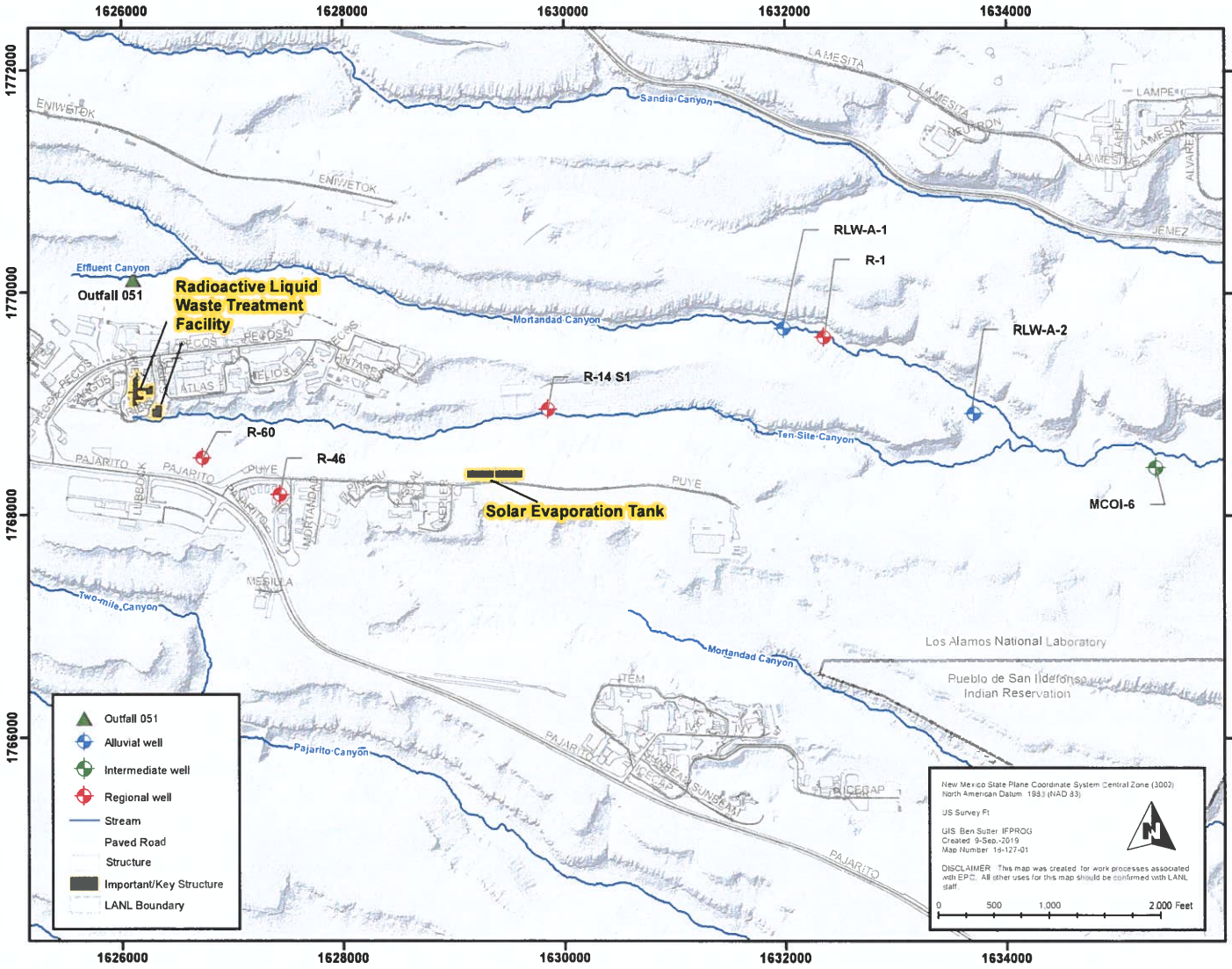
Facility Layout Map

EPC-DO: 19-324

LA-UR-19-29042

Date: SEP 19 2019

ATTACHMENT 4



ATTACHMENT 5

Office of the State Engineer Permit

EPC-DO: 19-324

LA-UR-19-29042

Date: SEP 19 2019

File

John R. D Antonio, Jr., P.E.
State Engineer

Santa Fe Office
PO BOX 25102
SANTA FE, NM 87504-5102

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 650379
File Nbr: RG 98007 RLW-A-1 AND RLW-A-2

May. 22, 2019

ENRIQUE KIKI TORRES
TRIAD NATIONAL SECURITY
PO BOX 1663, K490
LOS ALAMOS, NM 87545

Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

Carefully review the attached conditions of approval for all specific permit requirements.

* If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.

* If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.

* The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.

* This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us.

Sincerely,

Kent Malmquist
(505)827-6120

Enclosure

explore

John R. D Antonio, Jr., P.E.
State Engineer

Santa Fe Office
PO BOX 25102
SANTA FE, NM 87504-510

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 650379
File Nbr: RG 98007 RLW-A-1 AND RLW-A-2

May. 22, 2019

JODY M PUGH
U.S. DEPT. OF ENERGY NATIONAL NUCLEAR SECURITY ADM.
3747 WEST JEMEZ RD
A316
LOS ALAMOS, NM 87544

Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

Carefully review the attached conditions of approval for all specific permit requirements.

* If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.

* If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.

* The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.

* This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us.

Sincerely,

Kent Malmquist
(505)827-6120

Enclosure

explore

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL

17-4 No water shall be appropriated and beneficially used under this permit.

17-6 The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable and approved by the state engineer. The well shall be plugged with an office of the state engineer approved sealant for use in the plugging of non-artesian wells. The well driller shall cut the casing off at least four (4) feet below ground surface and fill the open hole with at least two vertical feet of approved sealant. The driller must fill or cover any open annulus with sealant. Once the sealant has cured, the well driller or well owner may cover the seal with soil. A Plugging Report for said well shall be filed with the Office of the State Engineer in a District Office within 30 days of completion of the plugging.

17-6C Upon completion of the new well, the replaced Well pod_basin pod_nbr pod_suffix shall be plugged. The well driller shall file a plugging plan for the replaced well with and it shall be approved by the Office of the State Engineer prior to plugging. The well driller shall file the Plugging Record with the State Engineer's Office and the applicant within 30 days of completion of plugging of the well but no later than log_due.

Trn Desc: RG 98007 POD1 File Number: RG 98007 POD1
Trn Number: 650379

page: 1

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

17-B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.

17-C The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record.
The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.

17-G If artesian water is encountered, the well driller shall comply with all rules and regulations pertaining to the drilling and casing of artesian wells.

LOG The Point of Diversion RG 98007 POD1 must be completed and the Well Log filed on or before 05/21/2020.

LOG The Point of Diversion RG 98007 POD2 must be completed and the Well Log filed on or before 05/21/2020.

ACTION OF STATE ENGINEER

Notice of Intention Rcvd: Date Rcvd. Corrected:
Formal Application Rcvd: 05/22/2019 Pub. of Notice Ordered:
Date Returned - Correction: Affidavit of Pub. Filed:

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the above specific conditions listed previously.

Witness my hand and seal this 22 day of May A.D., 2019

John R. D'Antonio, Jr., State Engineer

By: Kent Malmquist

Trn Desc: RG 98007 POD1 File Number: RG 98007 POD1
Trn Number: 650379

page: 2

Pod 1 & Pod 2

File No RG-98007

EPC-CP-19-066 ATTACHMENT 1 LA-UR-19-21485

NEW MEXICO OFFICE OF THE STATE ENGINEER

WR-07 APPLICATION FOR PERMIT TO DRILL A WELL WITH NO WATER RIGHT

(check applicable box)

For fees, see State Engineer website http://www.ose.state.nm.us/

Purpose:	☐ Pollution Control And/Or Recovery	☐ Ground Source Heat Pump
☐ Exploratory Well (Pump test)	☐ Construction Site/Public Works Dewatering	☐ Other(Describe)
☒ Monitoring Well	☐ Mine Dewatering	

A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive

☐ Temporary Request - Requested Start Date: Ongoing Requested End Date: Ongoing

Plugging Plan of Operations Submitted? ☐ Yes ☒ No

1. APPLICANT(S)

Name: Triad National Security, LLC	Name: US Dept of Energy, National Nuclear Security Administration
Contact or Agent: check here if Agent ☐ Enrique "Kiki" Torres, Division Leader, Environmental Protection	Contact or Agent: check here if Agent ☐ Jody M. Pugh, Asst. Manager, Mission Assurance & Infrastructure
Mailing Address: P.O. Box 1663, K490	Mailing Address: 3747 West Jemez Rd, A316
City: Los Alamos	City: Los Alamos
State: NM Zip Code: 87545	State: NM Zip Code: 87544
Phone: 505-412-1023 ☐ Home ☒ Cell Phone (Work):	Phone: 505-606-0397 ☐ Home ☒ Cell Phone (Work):
E-mail (optional): etorres@lanl.gov	E-mail (optional): Jody.Pugh@nnsa.doe.gov

2019 APR 30 PM 3:05

FOR OSE INTERNAL USE Application for Permit, Form WR-07, Rev 11/17/16

File No RG-98007	Trn No	Receipt No
Trans Description (optional) RLW-A-1 & RLW-A-2 Pod 1 Pod 2 mon		
Sub-Basin NRG	PCW/LOG Due Date 5/22/2020	

Page 1 of 3

EPC-CP-19-066 ATTACHMENT 1 LA-UR-19-21485

2. WELL(S) Describe the well(s) applicable to this application

Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84).
District II (Roswell) and District VII (Cimarron) customers, provide a PLSS location in addition to above.

☐ NM State Plane (NAD83) (Feet) ☐ NM West Zone ☐ NM East Zone ☐ NM Central Zone
☐ UTM (NAD83) (Meters) ☐ Zone 12N ☐ Zone 13N
■ Lat/Long (WGS84) (to the nearest 1/10th of second)

Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	Provide if known: -Public Land Survey System (PLSS) (*Quarters or Halves, Section, Township, Range*) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name
RLW-A-1	35.863794N	106 278480W	
RLW-A-2	35 862001N	106.273022W	

NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions)
Additional well descriptions are attached: ☐ Yes ■ No If yes, how many_____

Other description relating well to common landmarks, streets, or other
Mortandad Canyon, Los Alamos National Laboratory, Los Alamos NM

Well is on land owned by: U.S. Department of Energy (DOE)

Well Information: NOTE: If more than one (1) well needs to be described, provide attachment. **Attached?** ■ Yes ☐ No
If yes, how many 2

Approximate depth of well (feet): 20-40 ft bgs	Outside diameter of well casing (inches) 4-in PVC (ID)
Driller Name: TBD	Driller License Number TBD

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

A copy of the workplan for the installation of two alluvial groundwater monitoring wells in Mortandad Canyon is provided as Attachment 2 The work plan was submitted to NMED on November 19, 2018, and was approved by NMED on January 30, 2019. Installation of two new alluvial groundwater monitoring wells is a requirement of Discharge Permit DP-1132, issued by the NMED on August 29, 2018. A map showing the location of the referenced alluvial wells is included in Attachment 2

A copy of NMED's approval letter is provided as Attachment 3

A check to the New Mexico Office of the State Engineer in the amount of $10 00 is provided in Attachment 4

2019 APR 30 AM 8:00

FOR OSE INTERNAL USE Application for Permit Form WR-07

File No RG-98001 Trn No 645079

POD1, POD2

Page 2 of 3

4. SPECIFIC REQUIREMENTS: The applicant must include the following as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

Exploratory: ☐ Include a description of any proposed pump test, if applicable	**Pollution Control and/or Recovery:** ☐ Include a plan for pollution control/recovery, that includes the following ☐ A description of the need for the pollution control or recovery operation ☐ The estimated maximum period of time for completion of the operation. ☐ The annual diversion amount. ☐ The annual consumptive use amount. ☐ The maximum amount of water to be diverted and injected for the duration of the operation. ☐ The method and place of discharge.	**Construction De-Watering:** ☐ Include a description of the proposed dewatering operation, ☐ The estimated duration of the operation, ☐ The maximum amount of water to be diverted, ☐ A description of the need for the dewatering operation, and, ☐ A description of how the diverted water will be disposed of.	**Mine De-Watering:** ☐ Include a plan for pollution control/recovery, that includes the following: ☐ A description of the need for mine dewatering. ☐ The estimated maximum period of time for completion of the operation. ☐ The source(s) of the water to be diverted. ☐ The geohydrologic characteristics of the aquifer(s). ☐ The maximum amount of water to be diverted per annum. ☐ The maximum amount of water to be diverted for the duration of the operation. ☐ The quality of the water. ☐ The method of measurement of water diverted. ☐ The recharge of water to the aquifer. ☐ Description of the estimated area of hydrologic effect of the project. ☐ The method and place of discharge. ☐ An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. ☐ A description of the methods employed to estimate effects on surface water rights and underground water rights. ☐ Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.
Monitoring: ☒ Include the reason for the monitoring well, and, ☒ The duration of the planned monitoring.	☐ The method of measurement of water produced and discharged. ☐ The source of water to be injected. ☐ The method of measurement of water injected. ☐ The characteristics of the aquifer ☐ The method of determining the resulting annual consumptive use of water and depletion from any related stream system ☐ Proof of any permit required from the New Mexico Environment Department. ☐ An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located	**Ground Source Heat Pump:** ☐ Include a description of the geothermal heat exchange project, ☐ The number of boreholes for the completed project and required depths. ☐ The time frame for constructing the geothermal heat exchange project, and, ☐ The duration of the project. ☐ Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request	

ACKNOWLEDGEMENT

I, We (name of applicant(s)), Enrique Torres Jody M. Pugh
Print Name(s)

affirm that the foregoing statements are true to the best of (my, our) knowledge and belief.

Applicant Signature 4/29/19 Applicant Signature

ACTION OF THE STATE ENGINEER

This application is:

☐ approved ☐ partially approved ☐ denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this 22nd day of APRIL 20 19, for the State Engineer,

John D' Antonio, State Engineer

By: Signature Kent Malmquist Print

Title: Water Rights Analyst Print

2019 APR 30 AM 8:00

FOR OSE INTERNAL USE Application for Permit Form WR-07

File No RG-98607 Trn No 650379

POD1 POD2

Environmental Protection & Compliance Division
Environmental Compliance Programs (EPC-CP)
PO Box 1663, K491
Los Alamos, New Mexico 87545
(505) 667-2211

National Nuclear Security Administration
Los Alamos Field Office
3747 West Jemez Road, A316
Los Alamos, New Mexico, 87544
(505) 665-7314 /Fax (505) 667-5948

Symbol: EPC-DO: 19-344
LA-UR: 19-29452
Locates Action No.: U1801172
Date: SEP 25 2019

GROUND WATER
SEP 25 2019
BUREAU

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: Stabilization of the 75K Influent Storage Tank, Radioactive Liquid Waste Treatment Facility at Los Alamos National Laboratory, Temporary Permission to Discharge

Dear Ms. Hunter:

On August 21, 2019, the New Mexico Environment Department (NMED) issued Temporary Permission to the U.S. Department of Energy and Triad National Security, LLC (DOE/Triad) for the continued discharge of treated wastewater from the Radioactive Liquid Waste Treatment Facility (RLWTF). The issued Temporary Permission also extends to work associated with NMED-approved workplans, such as the Stabilization Plan submitted by DOE/Triad for the 75K Tank (EPC-DO: 19-007, January 25, 2019).

In Section 4.6, *Stabilization Schedule*, of the above-referenced plan, DOE/Triad committed to operationally empty the 75K Tank in fiscal year 2019 (10/01/2018—09/30/2019). The 75K Tank was emptied on September 5, 2019.

Please contact Karen E. Armijo by telephone at (505) 665-7314 or by email at Karen.Armijo@nnsa.doe.gov, or Robert S. Beers by telephone at (505) 667-7969 or by email at bbeers@lanl.gov if you have questions regarding this notification.

Sincerely,

Enrique Torres
Division Leader
Environmental Protection & Compliance
Triad National Security, LLC

Sincerely,

Karen E. Armijo
Permitting and Compliance Program Manager
National Nuclear Security Administration
U.S. Department of Energy

ET/KEA/MTS/RSB:jdm

Copy: Shelly Lemon, NMED/SWQB, Shelly.Lemon@state.nm.us
John E. Kieling, NMED/HWB, john.kieling@state.nm.us
Gerald Knutson, NMED/GWQB, Gerald.Knutson@state.nm.us
Andrew Romero, NMED/GWQB, AndrewC.Romero@state.nm.us
Karen E. Armijo, NA-LA, Karen.Armijo@nnsa.doe.gov
Jody M. Pugh, NA-LA, jody.pugh@nnsa.doe.gov
Michael W. Hazen, ALDESHQSS, mhazen@lanl.gov
William R. Marison, ADESHQSS, wmairson@lanl.gov
Enrique Torres, EPC-DO, etorres@lanl.gov
Jennifer Payne, EPC-DO, jpayne@lanl.gov
William H. Schwettmann, IPM, bills@lanl.gov
Randal S. Johnson, DESHF-TA55, randyj@lanl.gov
Denise C. Gelston, TA-55-RLW, dgelston@lanl.gov
Alvin M. Aragon, TA-55-RLW, alaragon@lanl.gov
Michael T. Saladen, EPC-CP, saladen@lanl.gov
Robert S. Beers, EPC-CP, bbeers@lanl.gov
William J. Foley, EPC-CP, bfoley@lanl.gov
locatesteam@lanl.gov
epccorrespondence@lanl.gov
adesh-records@lanl.gov