



MICHELLE LUJAN GRISHAM  
GOVERNOR

JAMES C. KENNEY  
CABINET SECRETARY

**CERTIFIED MAIL – RETURN RECEIPT REQUESTED**

October 4, 2023

Larry Kemp, Project Manager  
1120 Cerillos Road, Room 201  
Santa Fe, NM 87504

**RE: Draft Discharge Permit, DP-1966, Williamsburg NMDOT Patrol Yard**

Dear Larry Kemp:

The New Mexico Environment Department (NMED) hereby provides notice to you of the proposed approval of Ground Water Discharge Permit, DP-1966, (copy enclosed), pursuant to Subsection H of 20.6.2.3108 NMAC. NMED will publish notice of the availability of the draft Discharge Permit in the near future for public review and comment and will forward a copy of that notice to you.

Prior to making a final ruling on the proposed Discharge Permit, NMED will allow 30 days from the date the public notice is published in the newspaper for any interested party, including the Discharge Permit applicant, i.e., yourself, to submit written comments and/or a request a public hearing. A hearing request shall set forth the reasons why a hearing is requested. NMED will hold a hearing in response to a timely hearing request if the NMED Secretary determines there is substantial public interest in the proposed Discharge Permit.

Please review the enclosed draft Discharge Permit carefully. Please be aware that this Discharge Permit may contain conditions that require the permittee to implement operational, monitoring or closure actions by a specified deadline.

Please submit written comments or a request for hearing to my attention at the address below, via email to [melanie.sandoval2@env.nm.gov](mailto:melanie.sandoval2@env.nm.gov) or to [pps.general@env.nm.gov](mailto:pps.general@env.nm.gov), or directly into the NMED Public Comment Portal at <https://nmed.commentinput.com/comment/search>. If NMED does not receive written comments or a request for hearing during the public comment period, the draft Discharge Permit will become final.

Thank you for your cooperation during the review process. Feel free to contact me with any questions at (505) 660-7892.

Sincerely,

Melanie Sandoval, Industrial Team Lead

Encl: Draft Discharge Permit, DP-1966  
cc: Austin Hanson, Project Manager, [ahanson@intera.com](mailto:ahanson@intera.com)



**NEW MEXICO ENVIRONMENT DEPARTMENT GROUND  
WATER QUALITY BUREAU**

**UNDERGROUND INJECTION CONTROL**

**GENERAL DISCHARGE PERMIT**



**Certified Mail- Return Receipt Requested**

**Facility Name:** [Williamsburg NMDOT Patrol Yard (Facility # 29682; Release ID # 1872)]

**Facility Location:** 611 Michigan St  
Section 06, Township 14 South, Range 4  
West Sierra County

**Legally Responsible Party:** [NMDOT]  
Larry Kemp  
1120 Cerillos Road, Room 201  
Santa Fe, NM 87504  
505-670-4644

**Remediation Oversight Agency Contact:** [NMED PSTB]  
Corey Dimond  
505-470-4896  
20.5.119 NMAC

**Remediation or Injection Plan Identification:** [Work Plan ID # 19327]

**Permitting Action:** New DP-1966

**PPS Contact** Melanie Sandoval, Industrial Team Lead  
(505) 660-7892

**EFFECTIVE DATE:** **XX/XX/XXXX** **TERM ENDS:** **XX/XX/XXXX**

---

**Justin D. Ball**  
**Chief, Ground Water Quality Bureau**

[Subsection H of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.I]

[WILLIAMSBURG NMDOT PATROL YARD (FACILITY # 29682; RELEASE ID # 1872), DP-1966  
EFFECTIVE DATE: XX/XX/XXXX

**I. UIC GENERAL DISCHARGE PERMIT**

The New Mexico Environment Department (NMED) Ground Water Quality Bureau (GWQB) issues this Underground Injection Control General Discharge Permit (UIC Permit) for the subsurface emplacement of additive fluids through a Class V UIC injection well for the purpose of facilitating vadose zone or groundwater remediation. The GWQB issues this UIC Permit to New Mexico Department of Transportation (NMDOT) (Permittee) pursuant to the New Mexico Water Quality Act (WQA), NMSA 1978 §§74-6-1 through 74-6-17, and the New Mexico Water Quality Control Commission (WQCC) Ground and Surface Water Protection Regulations, 20.6.2 NMAC.

In issuing this UIC Permit, the GWQB has determined that the requirements of Subsection C of 20.6.2.3109 NMAC have been met. The activities authorized by this UIC Permit are principally governed by [Work Plan ID # 19327] (Injection Plan), under the authority of [20.5.119 NMAC], with oversight by the [NMED Petroleum Storage Tank Bureau (PSTB)]. Compliance with this UIC Permit requires compliance with the terms, requirements, and conditions of the Injection Plan. The term of this UIC Permit shall be no longer than five years from the effective date of this UIC Permit.

The injection activities, the location of the injection site, the type of injection and quantities of additives being used are briefly described as follows:

**Injection Activities (summary: including injection well type, number of wells, and injection frequency)**

Copy of the Injection Plan Attached (required):

Summary of Injection Plan: Direct push drilling equipment and injection tooling will be used to penetrate the bentonite backfill of twelve (12) previously installed soil borings. The injectate mixture of water and treatment amendments will target residual hydrocarbon contaminatin in the shallow groundwater and capillary fringe from approximately 48 to 61 feet (ft) below ground surface (bgs) at each location. Beginning at 48 or 49 ft bgs (intervals will be staggered from boring to boring), batches of the injectate will be injected every 2 ft to the target depth of approximately 61 ft bgs for each boring, where each injection interval will be isolated using a packer system. There will be seven (7) injection intervals per boring location for a total of 84 injections.

**Injection Site Information**

Depth to most shallow groundwater (required): As of 9.27.2022: 50.48 ft

Existing concentration of total dissolved solids (TDS) in groundwater (required): MW-1S was sampled for TDS on 7/19/2023 (lab report attached) and had a result of 2,250 mg/L

Location (required): The 12 injection borings are located radial and proximal to MW-1 at the Williamsburg NMDOT Patrol Yard.

County (required): Sierra County

Latitude: MW-1S Latitude: 33.1209533 degrees

Longitude: MW-1S Longitude: -107.2935345 degrees

Map Showing Area of Injection Sites Attached (required):

### **Additives Being Used (including volumes, manufacturer, and mixing ratios)**

BOS 200 will be used as the amendment for in-situ remediation. BOS 200 is supplied by Remediation Products Inc. (RPI), and is an activated carbon product with nutrients, terminal electron acceptors, and facultative microorganisms. BOS 200 will be mixed with water and gypsum. For each injection interval (7 per borehole location and 84 in total), 60 pounds of BOS 200 will be mixed with 25 pounds of gypsum and water to make 75 gallon slurries. See the BOS 200 Design provided by RPI for additional details (attached). It is estimated that a total of 10 gallons of bacteria concentrate will be used during the in-situ remediation. It is anticipated that it will take three (3) days to complete injection activities. In summary, 6,300 gallons of amendment slurry will be injected over the course of three (3) days.

### **Anticipated Precipitation, Dissolution, Adsorption, and Desorption Products**

Gypsum and bacteria concentrate will be used to absorb and promote biodegradation of hydrocarbon contaminants across the range of anaerobic to aerobic conditions existing at the Site.

### **Public Notice Posting Locations**

2 inch by 3 inch Newspaper Ad required for Renewal applications.

**Newspaper:** Not applicable, this is a new application.

3 inch by 4 inch Newspaper Ad required for New, Modification, and Renewal/Modification applications.

**Newspaper:** Sierra County Sentinel

2 feet by 3 feet sign posted for 30 days in a location conspicuous to the public at or near the facility required for New, Modification, and Renewal/Modification applications.

**Sign Location:** Williamsburg Patrol Yard

8.5 inch by 11 inch or larger posted off-site location conspicuous to the public (e.g. public library). Required for New, Modification, and Renewal/Modification applications.

**Flyer Location:** Truth or Consequences Library

This UIC Permit consists of the complete and accurate completion of this UIC Permit form as determined by the GWQB.

Issuance of this UIC Permit does not relieve the Permittee of the responsibility to comply with the WQA, WQCC Regulations, and any other applicable federal, state and/or local laws and regulations, such as zoning requirements and nuisance ordinances.

**Signatures**

Signature must be that of the person listed as the legally responsible party on this application.

*I, the applicant, attest under penalty of law to the truth of the information and supporting documentation contained in this application for an Underground Injection Control General Discharge Permit.*

**Applicant's Signature**

Signature: Lawrence N Kemp Date: 8/2/2023

Printed Name: Lawrence N. Kemp Title: Geoscientist

**Applicant Note that Submissions Must Include:**

- 1- One electronic copy of the application delivered to the GWQB via email or other format
- 2- Two hardcopies of the application delivered to: Ground Water Quality Bureau  
Harold Runnels Building  
1190 Saint Francis Drive  
P.O. Box 5469  
Santa Fe, NM 87502-5469
- 3- Payment by check or electronic transfer of one application fee of \$100.00

## II. FINDINGS

In issuing this UIC Permit, GWQB finds:

1. The Permittee is injecting fluids so that such injections will move directly or indirectly into groundwater within the meaning of Section 20.6.2.3104 NMAC.
2. The Permittee is injecting fluids so that such fluids will move into groundwater of the State of New Mexico which has an existing concentration of 10,000 mg/L or less of TDS within the meaning of Subsection A of 20.6.2.3101 NMAC.
3. The Permittee is using a Class V UIC well as described in 20.6.2.5002(B)(5)(d)(ii) NMAC for in situ groundwater remediation by injecting a fluid that facilitates vadose zone or groundwater remediation.
4. The Permittee is injecting fluids into groundwater in order to achieve the remediation goals identified in the Injection Plan.

## III. AUTHORIZATION TO DISCHARGE

The Permittee is authorized to inject chemical additives into groundwater in accordance with this UIC Permit and the Injection Plan under the oversight of [NMED PSTB].

[20.6.2.3104 NMAC, Subsection C of 20.6.2.3106 NMAC, Subsection C of 20.6.2.3109 NMAC]

## IV. CONDITIONS

The conditions of this UIC Permit shall be complied with by the Permittee and are enforceable by GWQB.

1. The Permittee shall perform remediation activities in accordance with the Injection Plan and shall notify GWQB of any changes prior to making them.

[20.6.2.3107 NMAC]

2. The Permittee shall monitor the injection activities and their effects on groundwater quality as required by the Injection Plan and shall provide GWQB with electronic copies of the required reporting and any pertinent documentation of activities at the site.

[20.6.2.3107.A NMAC, 20.6.2.3109.A NMAC]

3. If the GWQB or the Permittee identifies any failure of the Injection Plan or this UIC Permit to comply with 20.6.2 NMAC not specifically noted herein, GWQB may require the Permittee to submit a corrective action plan and a schedule for completion of corrective actions to address the failure.

Additionally, the GWQB may require the Permittee to submit a proposed modification to the Injection Plan, this UIC Permit, or both.

[20.6.2.3107.A NMAC, 20.6.2.3109.E NMAC]

4. ADDITIONAL MONITORING REQUIREMENTS – (RESERVED) - Placeholder for any added monitoring and reporting requirements.
5. TERMINATION – Within 30 days of completion of activities authorized by this UIC Permit the Permittee shall submit a closure report and a request to terminate the UIC Permit to the GWQB for its approval. The closure report shall identify how the injection well(s) was (were) closed in accordance with the Injection Plan. The Permittee shall provide [NMED PSTB] with a copy of this closure report.

[20.6.2.5005 NMAC, 19.27.4 NMAC]

6. INSPECTION and ENTRY – The Permittee shall allow a representative of the NMED to inspect the facility and its operations subject to this UIC Permit and the WQCC regulations. The GWQB representative may, upon presentation of proper credentials, enter at reasonable times upon or through any premises in which a water contaminant source is located or in which are located any records required to be maintained by regulations of the federal government or the WQCC. The Permittee shall allow the GWQB representative to have access to, and reproduce for their use, any copy of the records, and to perform assessments, sampling or monitoring during an inspection for the purpose of evaluating compliance with this UIC Permit and the WQCC regulations.

Nothing in this UIC Permit shall be construed as limiting in any way the inspection and entry authority of GWQB under the WQA, the WQCC Regulations, or any other local, state, or federal regulations.

[20.6.2.3107.D NMAC, NMSA 1978, §§ 74-6-9.B and 74-6-9.E]



EFFECTIVE DATE: XX/XX/XXXX

7. MODIFICATIONS and/or AMENDMENTS – In the event the Permittee proposes a change to the injection plan that would result in a change in the volume injected; the location of the injections; or the concentration of the additives being injected by the facility, the Permittee shall notify GWQB prior to implementing such changes. The Permittee shall obtain approval (which may require modification of this UIC Permit) by GWQB prior to implementing such changes.

[20.6.2.3107.C NMAC, 20.6.2.3109.E and G NMAC]

8. COMPLIANCE with OTHER LAWS – Nothing in this UIC Permit shall be construed in any way as relieving the Permittee of the obligation to comply with all applicable federal, state, and local laws, regulations, permits, or orders.

[NMSA 1978, § 74-6-5.L]

9. PERMIT FEES – Payment of permit fees is due at the time of UIC Permit approval. Permit fees shall be paid in a single payment remitted to GWQB no later than 30 days after the UIC Permit effective date.

Permit fees are associated with issuance of this UIC Permit. Nothing in this UIC Permit shall be construed as relieving the Permittee of the obligation to pay all permit fees assessed by GWQB. A Permittee that ceases injecting or does not commence injecting during the term of the UIC Permit shall pay all permit fees assessed by GWQB. An approved UIC Permit shall be suspended or terminated if the facility fails to remit a payment by its due date.

[20.6.2.3114.F NMAC, NMSA 1978, § 74-6-5.K]