



March 7, 2022

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#3330252

Michael Boulay
New Mexico Environment Department
Petroleum Storage Tank Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505
michael.boulay@state.nm.us

RE: WPID 4222-2 NMED GWQB Discharge Permit
Halsell's Grocery State-Lead Site, 112 School Road, Hatch, New Mexico
Facility # 6053 Release ID # 287

Dear Mr. Boulay:

Souder, Miller & Associates is pleased to provide the approved discharge permit for the Halsell's Grocery State-Lead site. The permit and associated public notices were completed under New Mexico Administrative Code (NMAC) 20.6.2 regulations and the NMED Ground Water Quality Bureau. The General Discharge Permit, DP-1937, is effective from March 3, 2022, to March 2, 2027.

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If you have any questions with the permit, please contact Stephanie or Jay.

Sincerely,
MILLER ENGINEERS, INC. D.B.A.
SOUDER, MILLER AND ASSOCIATES

Stephanie Hinds, P.E.
Project Engineer
Stephanie.hinds@soudermiller.com

R. Jay Vanlandingham, R.G.
Senior Geoscientist
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Enc: Underground Injection Control General Discharge Permit DP-1937



NEW MEXICO ENVIRONMENT DEPARTMENT GROUND
WATER QUALITY BUREAU
UNDERGROUND INJECTION CONTROL
GENERAL DISCHARGE PERMIT



Certified Mail- Return Receipt Requested

Facility Name: Halsell's Grocery State-Lead Site FID #6053

Facility Location: 112 School Road, Hatch, NM 87937
Section 9, Township 19S, Range 3W
Dona Ana County

Legally Responsible Party: New Mexico Environment Department (NMED)
Petroleum Storage Tank Bureau (PSTB) Remedial
Action Program, Attn: Lorena Goerger
2905 Rodeo Park Drive, Building 1, Santa Fe, NM
87505
(505) 827-2855

Remediation Oversight Agency Contact: NMED Petroleum Storage Tank Bureau
Lorena Goerger
(505) 670-9618

Remediation or Injection Plan Identification: Final Remediation Plan, Halsell's Grocery State-
Lead Site, 112 School Road, Hatch NM

Permitting Action: New DP-1937

PPS Contact Avery Young
(505) 699-8564

EFFECTIVE DATE: March 3, 2022 **TERM ENDS:** March 2, 2027

Justin Ball Digitally signed by Justin Ball
Date: 2022.02.25 09:58:20 -07'00'

Justin D. Ball, Chief
Ground Water Quality Bureau

[Subsection H of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.1]
Version updated December 5, 2018

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 Environment Department Petroleum Storage Tank Bureau (NMED PSTB) (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 Final Remediation Plan, Halsell's Grocery State-Lead Site (Injection Plan), under the authority of Statutes/Regulations, with oversight by the NMED 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: Injection of COGAC (chemically oxygenated granular activated carbon) solution to treat persistent dissolved-phase petroleum hydrocarbons in shallow groundwater (~10 ft below ground surface(bgs)) at former underground storage tank site. Injection to be performed using Geoprobe 7822DT direct push rig with injection tips. An area of 2000 square feet will be treated using 28 injection points and at depth of 10-16 feet bgs. Injection rate will be at ~20 gallons per minute to minimize surfacing. Approximately 3360 pounds of 12% concentrated COGAC will be injected evenly using 7.5-foot grid spacing.

Injection Site Information

Depth to most shallow groundwater (required): 10 ft
Existing concentration of total dissolved solids (TDS) in groundwater (required): 1150mg/L
Location (required): 112 School Road, Hatch, NM
County (required): Dona Ana
Latitude: 32.665468
Longitude: -107.156524
Map Showing Area of Injection Sites Attached (required):

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

3360 lbs of 12% concentrated COGAC solution. COGAC solution developed by Remington Technologies, Inc. Please see attached the Safety Data Sheet for COGAC ingredients as well as chemical and physical properties.

Anticipated Precipitation, Dissolution, Adsorption, and Desorption Products

COGAC is a high carbon content chemically oxygenated granular activated carbon. COGAC is a combination of sodium persulfate, calcium peroxide, and activated carbon that provides 3 methods of contaminant concentration reduction: (1) sorption of the contaminants for reduced flux into groundwater, (2) initial in-situ chemical oxidation, and (3) a transition to biological stimulation for indigenous microbes. COGAC can perform under both aerobic and anaerobic conditions. Please see attached SDS for additional product properties and fates.

Public Notice Posting Locations

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

Newspaper: N/A

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

Newspaper: Las Cruces Sun News

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: Sign will be posted by the front door of the Halsell Grocery Store.

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: Flyer will be located at the Hatch Public 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.

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 the NMED Petroleum Storage Tank Bureau.

[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 [all parties](#) 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]

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]