NEVADA DIVISION OF ENVIRONMENTAL PROTECTION
Underground Injection Control

FACT SHEET

(pursuant to NAC 445A.874)

Permit Number: UNEV2009201
Permittee Name: Makoil, Inc.
Project Name: Trap Springs Oilfield
Permit Type: Underground Injection Control Individual Permit
Injection Well Type: UIC Class II
Permitee Address: 7700 Irvine Center Dr., Suite 420, Irvine, CA 92618
Proposed Action: Renewal of Existing Permit
Associated Permits: Previously UNEV96201 & UNEV96202
Reporting Frequency: Quarterly

Description of Discharge

Approved injection wells
Trap Springs 13 is a permitted injection well for the purposes of water disposal.
Trap Springs 20X is a permitted injection well for the purposes of water disposal.

Location:
Trap Springs 13: S 26, T9N, R56E. 38.6056111°, -115.6454722°
Trap Springs 20X: S 22, T9N, R56E. 38.619861°, -115.65475°

Characteristics:
All injectate is fluid produced in conjunction with conventional oil production. The injectate fluid will have a TDS concentration of approximately 2,800 – 4,500 ppm. Reverse emulsion breaker (EC6032A) and a demulsifier (EC2307A) are chemical that have been approved for use in the production process. Additional chemical treatment will require approval by the Division prior to use.

Synopsis

The applicant has requested reissuance of UIC permits UNEV96201 and UNEV96202 into a combined permit numbered UNEV2009201. These permits were originally issued by US EPA as NVS000000004 and NVS000000005. UNEV96201 authorized injection into well 20X and UNEV96202 authorized injection into well 13, Trap Springs Oil Field, Railroad Valley, Nevada. The only wells known to exist within the area of review are associated with oil production, water wells associated with oil field projects, and monitoring wells at the oil refinery. Injectate fluids are produced in conjunction with conventional oil production activities from other wells in the area. For the last five years, the average injection rate: #13 = 650-900 barrels (1 barrel = 42 gallons) per day, and #20X = 3,500–4,000 bpd. Injection pressure for last five years: #13 = 200-1,100 psi, and #20X = 300–750 psi. The maximum pressure allowed at the wellhead is: #13 = 1,900 psi, and #20X = 1,200 psi. The existing wells have undergone testing and have demonstrated mechanical integrity.

Timeline

2025: Permit renewal process
2015: Permit renewed
2009: Permit transferred to UNEV200920 from UNEV96201 & UNEV96202
1995: Permit renewed
1985: Original permit issued.

Permit Conditions Governing Injection Operations

The injection zone for Trap Spring Well 13 is within the Garrett Ranch Volcanics formation at depths between 5,815 and 5,836 feet. The maximum injection pressure at the wellhead shall not exceed 1,900 psig. A Baker Model R-2 Lock Set Packer, or equivalent, is required to be set and maintained at or below 5,595 feet between the 7-inch intermediate casing and the 2 7/8-inch tubing, ensuring that fluids are contained and prevented from migrating into or between underground sources of drinking water. Well 13 has an aquifer exemption pursuant to NAC 445A.855.2(a). Injection in Trap Spring Well 20X is limited to the Paleozoic carbonate formation, with perforations from 5,040–5,060 feet and 5,140–5,160 feet. The maximum injection pressure at the wellhead shall not exceed 1,200 psig. A Baker Model A-2 Lock Set Packer, or equivalent, shall be set and maintained at 4,965 feet between the 7-inch casing and 2 7/8-inch tubing, providing protection against fluid migration. Well 20X has an aquifer exemption pursuant to NAC 445A.855.2(b).

Procedures for Public Comment

Pursuant to NAC 445A.890.5 through NAC 445A.877, public notice of Underground Injection Control permit applications and proposed drafts is being posted on the NDEP website, and mailed to any interested persons on our mailing list, to (1) solicit written comments or objections to determinations of the Director regarding the application or permit and (2) provide the opportunity for a public hearing, if the Director determines that there is a significant level of interest from the applicant, any affected state, any affected interstate agency, the regional administrator, or any interested agency, person, or group of persons. A hearing request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted. Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines to be appropriate. All public hearings must be conducted to accordance with NAC 445A.238 and the final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605. Any person wishing to submit comments or request a hearing must do so by email/mail, which must be sent/postmarked or hand delivered within thirty (30) days to:

Department of Conservation & Natural Resources
Nevada Division of Environmental Protection
Bureau of Water Pollution Control | Permits Branch
Attn: Underground Injection Control Permit Writer
901 S. Stewart Street, Suite 4001
Carson City, NV 89701

Proposed Determination
The Division has made the tentative decision to renew the existing permit.

Rationale for Permit Requirements
Permit requirements will verify that the quality of water injected remains constant and confirm that injection of water does not adversely affect the existing hydrologic regime.

Special Conditions and Monitoring Requirements
For special conditions, see Part I.A of the permit. For monitoring requirements, see Attachment 1 of the permit.

Prepared by: Bret Allen
Revision Date: 12/18/2025