

**NEVADA DIVISION OF ENVIRONMENTAL PROTECTION**  
Underground Injection Control Program**UIC PROJECT FACT SHEET**

(pursuant to NAC 445A.874)

**Project Name:** Lone Mountain Geothermal  
**Permit Number:** UNEV2025201T  
**Permit Type:** UIC Temporary Individual  
**Injection Well Type:** UIC Class V  
**Permittee Name:** Ormat Nevada Inc.  
**Permittee Address:** 6884 Sierra Center Parkway, Reno, NV 89511  
**Facility Location:** 8 miles North East of Fish Lake Valley, Esmeralda County  
**Proposed Action:** Testing of wells 62A-25 and 21-31

**A. Description of Discharge**Injection wells and Location:

## IW 62A-25:

- Lat/Long: 37.916551, -117.918557
- Legal Description: SW-NE, Sec 25, T1N, R36E

## IW 21-31:

- Lat/long: 37.916551, -117.918557
- Legal Description: NE-NW-Sec 31, T1S, R37E

Proposed Rates and Pressures:

## IW 62A-25:

- Maximum injection rate: 2600 gpm
- Maximum injection pressure: 264 psi

## IW 21-32

- Maximum injection rate: 2600 gpm
- Maximum injection pressure: 1126 gpm

Characteristics: All injectate is geothermal fluid (predominantly NaCl) which has been produced from a singular producing well. Injectate was sampled from production well 13-6 May-July 2025 and has a TDS concentration of approximately 3,600 mg/l. The major constituents are fluoride (10 mg/l), chloride (1,540 mg/l), sodium (1,267 mg/l), and boron (20.7 mg/l).

**B. Receiving Water Characteristics**

Fluid chemistry of the production and injection wells has been shown to be similar, of geothermal temperature and chemistry. Analysis of the receiving zone, sampled May-July 2025, indicates boron of 19-21 mg/L; fluoride of 6-9.1 mg/1; sodium of 1,300- 1,400 mg/l; and chloride of mg/l. All available data indicate there is no potable shallow ground water in the immediate area surrounding the project.



Hydrogeologic and water chemistry data indicate the ground water in the immediate area of the Lone Mountain project area/lease is of geothermal nature and exceeds drinking water standards.

**C. UNEV2007204 Permitting history**

2025 Permit Issuance: The applicant (Ormat Nevada Inc.) is seeking issuance of a new temporary individual Permit UNEV2025201T to inject geothermal fluid from one producing well into two injection wells, IW 62A-25 and IW 21-31. The applicant proposes injections with the use of chemical tracers to test well connectivity for no more than 90 days after permit issuance. Please see the chemical request forms attached to the permit for more information on chemical use.

**A. Proposed Determination**

The Division has made the tentative decision to issue the temporary permit for ninety (90) days, with monitoring conditions.

**B. Procedures for Public Comment**

Anyone wishing to comment on the proposed permit modification can do so in writing for a period of 30 days following the posting date of public notice. All written comments received during the comment period will be retained and considered in the final determination. A public hearing on the proposed determination can be requested by the applicant, any affected state, any affected interstate agency, the regional administrator of EPA or any interested agency, person or group of persons.

Opportunity for a public workshop shall be provided with 30-day advance notice pursuant to NAC 445A.890. 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 will be conducted in accordance with NAC 445A.238.

**C. Rationale for Permit Requirements**

Verification that the quality of fluid discharged to the injection well(s) remains constant and does not impact regional groundwater.

Last updated by: Lisa Aleman

Date: December 2025