NEVADA DIVISION OF
ENVIRONMENTAL
PROTECTION

A division of the
Nevada Department of Conservation & Natural Resources

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NEVADA DIVISION OF ENVIRONMENTAL PROTECTION
Underground Injection Control Program

UIC PROJECT FACT SHEET

(pursuant to NAC 445A.874)

Project Name: Crescent Valley Geothermal
Permit Number: UNEV2026201T
Permit Type: UIC Temporary Individual
Injection Well Type: UIC Class V
Permittee Name: Ormat Nevada Inc.
Permittee Adress: 6884 Sierra Center Parkway, Reno, NV 89511
Facility Location: 10 miles Southeast of Crescent Valley, Eureka County
Proposed Action: Testing of wells 37-3, 53B-3, and 46-2ST

A. Description of Discharge

Injection wells and Location:
IW 37-3:
- Lat/Long: 40.319291, -116.437835
- Legal Description: T28N R49E S3 SESE

IW 53B-3:
- Lat/long: 40.32746, -116.43282
- Legal Description: T28N R49E S3 NWNE

IW 46-2ST:
- Lat/long: 40.3218, -116.4165
- Legal Description: T28N R49E S2 NESW

Proposed Rates and Pressures:
IW 37-3:
- Maximum injection rate: 2600 gpm

IW 53B-3
- Maximum injection rate: 2600 gpm

IW 46-2ST
- Maximum injection rate: 2600 gpm

Characteristics: All injectate is geothermal fluid (predominantly Na and Si) which has been produced from a singular producing well. Injectate was sampled from production well 12/13/2024 and has a TDS concentration of approximately 960 mg/l. The major constituents are bicarbonate (430 mg/l),

chloride (71 mg/l), sodium (300 mg/l), and silica (199 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 2021-2025, indicates bicarbonate of 320-500 mg/L; silica of 86.4-165 mg/1; sodium of 180-410 mg/l; and chloride of 31-120 mg/l.

Hydrogeologic and water chemistry data indicate the shallow ground water in the immediate area of the Lone Mountain project area/lease is low in TDS and other constituents. There are several springs and shallow groundwater monitoring wells in the immediate area from mining dewatering efforts from which this data was collected and will be monitored.

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: June 2026