



STATE OF NEVADA

Department of Conservation & Natural Resources

Brian Sandoval, Governor

Leo M. Drozdoff, P.E., Director

DIVISION OF ENVIRONMENTAL PROTECTION

Colleen Cripps, Ph.D., Administrator

Underground Injection Control Program

FACT SHEET

(Pursuant to NAC 445A.874)

Permittee Name: **Long Term Remediation - General Permit**
Permit Number: **GU07RL**
Permit Action: **UIC Permit Renewal**

A. Permit Objective

The Nevada Division of Environmental Protection (NDEP) Underground Injection Control (UIC) Program proposes to renew the Long Term Remediation General Permit, GU07RL. This general permit establishes water injection limitations, prohibitions and management practices for two separate discharge categories. This permit authorizes the injection of chemical compounds and water that has been treated in conjunction with a Corrective Action (CA) site overseen by the NDEP Bureau of Corrective Actions (BCA) or other CA Agency, and sets the appropriate requirements to prevent the degradation of groundwater.

B. General

GU07RL was originally issued in June 2007 and only authorized the injection of chemical compounds into groundwater. NDEP is proposing to include a second category in this general permit: water which has been treated and then injected into the subsurface. This Long Term General Permit will be issued to qualifying CA projects lasting more than six months.

C. Application Requirements

Before being included in this general permit, an applicant must submit a Workplan to BCA or other CA agency. Once the CA agency has approved the Workplan, the applicant may request inclusion in the general permit by submitting a Notice of Intent (NOI). Upon review of the Workplan and NOI, NDEP will make the decision to approve the NOI, require additional information, or require the applicant to obtain an individual UNEV permit.

D. Discharge Categories

Monitoring requirements and report guidelines are established for the following two (2) categories:

Category 1 - Chemical compound injection: Permitted activities include the injection of the following compounds:

- Low-percentage solution of hydrogen peroxide (H₂O₂);
- Chemical oxidation compounds;
- Potassium and sodium permanganate;
- Polysulfide;
- Ozone;
- Nutrients: nitrate, ammonia, phosphate, vitamins;
- Oxygen infusers;
- Hydrogen releasing compounds;
- Carbon sources/electron donors (including, but not limited to acetate, lactate, glucose, and complex sugars); and
- Surfactant.

Category 2 - “Pump and Treat”: Permitted activities include the injection of water which has been treated (in conjunction with a remediation project overseen by the BCA or other CA agency) to meet groundwater quality criteria. Once generated, the contaminated groundwater may be treated by the following remediation mechanisms: physical, chemical, thermal, biological and other similar techniques. Other water generated as part of the facility’s CA project (including purge water, decontamination water, and Investigation Derived Waste (IDW) water) may also be authorized under this permit. These additional waters shall be produced from an on-site activity, treated to meet groundwater quality criteria, and receive Division approval.

E. Schedule of Compliance

The Permittee shall implement and comply with the provisions of the schedule of compliance after approval by the Administrator, including in said implementation and compliance, any additions or modifications which the Administrator may make in approving the schedule of compliance.

- a. The Permittee shall achieve compliance with the conditions, limitations and requirements of the permit at the commencement of relevant activity.
- b. The Permittee shall submit any items listed in the general permit issuance letter as required.

F. Permit Requirements and Rationale

NDEP has determined that the injection categories included in this general permit can be effectively regulated under a general permit rather than individual permits. This permit requires submittal of an NOI, Workplan, appropriate fees and semi-annual reports. Permit requirements and limitations ensure the approved injection activity is carried out in a manner which minimizes water pollution and protects public health and the environment.

G. Proposed Determination

The Division has made the tentative determination to modify and renew the proposed permit for a period of five (5) years.

H. Procedures for Public Comment:

The Notice of the Division's intent to issue a general permit authorizing the Permittee to discharge to the groundwater of the state of Nevada, subject to the conditions contained within the permit, is being sent to the Reno Gazette-Journal, Las Vegas Review Journal and the Elko Daily Free Press for publication. The notice is being electronically mailed to interested persons on our public notification list. Anyone wishing to comment on the proposed permit can do so in writing until **5:00 P.M. October 1, 2012**, a period of 30 days following the date of the public notice. The comment period can be extended at the discretion of the Administrator.

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 Region IX, or any interested agency, person or group of persons. Requests 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 in accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.238.

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Nevada Division of Environmental Protection
Bureau of Water Pollution Control - UIC Program
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