



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

Nevada Division of Environmental Protection FACTSHEET (Pursuant to NAC 445A.236)

PERMITTEE NAME: [Barrick U.S., Inc - Bald Mountain Mine](#)
PO Box 2706
Elko, Nevada 89803

PERMIT NUMBER: [NEV2011505](#)

LOCATION: [Barrick U.S., Inc - Bald Mountain Mine](#)
35 Miles North West of Eureka
White Pine County, Nevada
Lat. 39° 56' 38" Long. -115° 36' 52"
Township - 34N, Range - 57E, Section - 24.

FLOW: Onsite Sewage Disposal (OSDS) with a 25,600 gallon volume capacity.

PUBLIC WATER SUPPLY: There are no public supply wells within one (1) mile of this facility.

CORRECTIVE ACTIONS SITES: There is no Bureau of Corrective Actions remediation site located within a five-mile radius from the center-point of the mine's property, which would cover all of the individual septic systems covered under this discharge permit.

WELLHEAD PROTECTION AREA: OSDS systems permitted under this discharge permit are located outside of the 6,000 feet Drinking Water Protection Area (DWPA) and not within a delineated wellhead capture zone for any public supply well.

GENERAL:
The applicant has applied for a new Nevada groundwater discharge permit - [NEV2011505](#), for discharges from its OSDS Systems treated domestic wastewater to ground waters of the State via

absorption trenches from its **Bald Mountain Mine** facility; this facility is located in 35 miles Northwest of Eureka, in White Pine County, Nevada.

The Permittee operates a gold and silver mining operation in Round Mountain, Nye County, Nevada. Domestic (sanitary) wastewater disposal is via 12 septic tanks with their corresponding absorption fields (12 outfalls) - Total OSDS septic capacity of **25,600 gallons**. All OSDS tanks and absorption fields are sized in accordance with the Uniform Plumbing Code and all applicable Nevada regulations governing on-site sewage disposal systems. Non-domestic wastewater disposal into the septic systems (e.g., laboratory waste) is prohibited.

FLOW:

Total OSDS tank volume for this operation is **26,500 gallons**. OSDS tank flows are not metered either individually or collectively. In order to ensure proper domestic wastewater treatment, the daily flow into each of the tank shall not exceed its treatment capacity.

PROPOSED OPERATIONAL CONDITIONS:

Table - 1 - Effluent Limitations & Special Conditions

OSDS Outfall	Site Description / Location	Tank Volume (Gallons)	Pumping Frequency ^{1,2}	OSDS Inspections
1	Truck Shop - Administration Offices & Lab	2500	As per BSER ^{1,2}	Annually ³
2	Crusher Site Maintenance Shop - Core Shed	1000	As per BSER ^{1,2}	Annually ³
3	Process 2 Facility	1000	As per BSER ^{1,2}	Annually ³
4	Mooney Basin North Process Break Trailer	1000	As per BSER ^{1,2}	Annually ³
5	Process 2 Refinery Trailer	1000	As per BSER ^{1,2}	Annually ³
6	Mine Operations Building	4000	As per BSER ^{1,2}	Annually ³
7	Cold Creek Mobile Home Park - System 1	6000	As per BSER ^{1,2}	Annually ³
8	Cold Creek Mobile Home Park - System 2	2400	As per BSER ^{1,2}	Annually ³
9	Cold Creek Mobile Home Park - System 3	2500	As per BSER ^{1,2}	Annually ³
10	Truck Shop Extension	2000	As per BSER ^{1,2}	Annually ³
11	Mooney Basin South Process Facility	1000	As per BSER ^{1,2}	Annually ³
12	EHS Building & Geology Building	1200	As per BSER ^{1,2}	Annually ³
	Total Volume	25600	-	-

Notes:

- Biennial Septic System Evaluation Report (BSER) due every odd year of the permit cycle in appropriate form - http://ndep.nv.gov/bwpc/docs/osds_large_capacity_biennia_report_form_091.pdf
- As per Biennial Septic System Evaluation Report, OSDS tanks should be pumped when sludge + scum levels reach 50% (or greater) of the total liquid depth;

3. Absorption fields shall also be inspected.

Additional monitoring requirements for all categories may be added at the Division's discretion. Surfacing of any substance from a system is strictly prohibited. The Permittee is required to implement an Operations & Maintenance (O & M) manual with operational policies that ensure proper equipment operation and compliance with the terms and conditions of this general permit.

PROHIBITED DISCHARGES INCLUDE, BUT ARE NOT LIMITED TO:

- Discharge of industrial waste.
- Discharge of hazardous materials.
- Discharge of untreated domestic/sanitary waste.
- Excessive amounts of fats, oil or organic load.
- Unapproved bio-hazardous waste.
- Reverse osmosis (RO) waste streams or filter backwash.
- Discharges from vehicle and equipment washing or vehicle maintenance, including mobile washes (car, carpet, animal, etc.) other than those approved by the Division.
- Other discharges not authorized under these permits.

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 and/or maintain compliance with all effluent limitations upon issuance of the permit;
- b. By **MMM DD, 2011 (60 Days)**, the Permittee shall submit to NDEP a new Operations & Maintenance manual (O & M) for this facility;

RECEIVING WATER CHARACTERISTICS:

Depth to groundwater at this facility is in excess of 200 feet below surface. The facility does not directly monitor the impact from treated domestic effluent disposal in the leach fields. The facility does operate a network of groundwater monitoring wells in and around the property to monitor groundwater impacts from overall mining operations, including nitrate levels. The groundwater data is reported to and regulated by the Bureau of Mining Regulation and Reclamation.

PERMIT REQUIREMENTS & RATIONAL:

The permit requires routine monitoring, implementation of Best Management Practices (BMP), O & M and reporting to ensure the site is performing at a level that minimizes water pollution and protects public health and the environment.

For discharges which are not granted coverage under this permit because the discharge contains pollutants in quantities which represent reasonable potential to cause or contribute to violations of water quality standards, the discharger must apply for an individual NPDES permit.

OPERATION REQUIREMENTS:

The Permittee shall operate the facility in compliance with permit provisions and requirements and in accordance with the Division-approved Operations and Maintenance Manual (O & M Manual). The O & M Manual shall contain information required to comply with this permit.

PROPOSED DETERMINATION:

The division has made the tentative determination to issue the proposed permit, under the provisions prescribed, for a 5-year period. Under NAC 445A.232, this permit is classified discharge of domestic wastewater of less than 50,000 gallons.

PROCEDURES FOR PUBLIC COMMENT:

The Notice of the Division's intent to issue a discharge permit to the applicant, subject to the conditions contained within the permit is being sent to the Reno Gazette-Journal and the Elko Daily Free Press for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of thirty (30) days following the date of publication of the public notice in the newspaper. The comment period can be extended at the discretion of the Administrator. The deadline date and time by which all comments are to be submitted (via postmarked mail or time-stamped faxes, e-mails, or hand-delivered items) to the Division is October 6th, 2011 by 5:00 P.M.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons. The 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 in accordance with NAC 445A.238. The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

The application and proposed permit on file and may be copied or copies may be obtained by writing or by calling [Alexi Lanza, P.E.](mailto:alanza@ndep.nv.gov), Bureau of Water Pollution Control at (775)687-9468; fax: (775)687-4684; or email: alanza@ndep.nv.gov. This notice and the fact sheet can be viewed online at the following web address: <http://ndep.nv.gov/admin/public.htm>

Prepared by:

[Alexi Lanza, P.E.](mailto:alanza@ndep.nv.gov)
Nevada Division of Environmental Protection
Bureau of Water Pollution Control - Permits Branch
August - 2011