



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

FACTSHEET (pursuant to NAC 445A.236)

Permittee Name: HALLIBURTON ENERGY SERVICES, INC.
3000 N. SAM HOUSTON PKWY E, SR BUILDING, OFFICE 2162
HOUSTON, TX - 77032

Permit Number: NS2014507

Location: DUNPHY GRINDING PLANT, EUREKA
912 DUNPHY RANCH RD., BATTLE MOUNTAIN, NV - 89820
LATITUDE: 40.71, LONGITUDE: -116.531389
TOWNSHIP: T33N, RANGE: R48E, SECTION: S17

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	DUST SUPPRESSION	Land Application Site		BATTLE MOUNTAIN	NV	89820	EUREKA	40.71	-116.531389	GROUNDWATER

General:

Halliburton Energy Services, Inc. (the Permittee) owns and operates the Dunphy grinding plant (the plant). The plant produces barium sulfate. The Permittee plans to use treated air compressor condensate and laboratory wastewater for dust control on the plant roads.

The air compressor condensate uses an oil/water separator to remove TPH from the water. The laboratory wastewater is treated using a small interceptor to remove barite solids. All waste products are removed and disposed of off-site.

Discharge Characteristics:

The discharge consists of treated air compressor condensate and laboratory wastewater. The air compressor condensate is treated to remove petroleum hydrocarbons, and the laboratory wastewater is treated to remove barium sulfate (barite).

Receiving Water:

Groundwater in the area is approximately 10-12 feet below the ground surface.

Summary of Changes From Previous Permit:

This is a new permit.

NS OTHER - Discharge Limitations Table for Sample Location 001 (Land Application Site) To Be Reported Monthly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Daily Maximum	<= 50000 Gallons per Day (gal/d)		Effluent Gross	001	Continuous	CALCTD
Flow rate	Monthly Average	<= 25000 Gallons per Day (gal/d)		Effluent Gross	001	Continuous	CALCTD
Nitrogen, total	Monthly Maximum		<= 10.0 Milligrams per Liter (mg/L)	Effluent Gross	001	Monthly	DISCRT
Nitrogen, total	Monthly Average		<= 10.0 Milligrams per Liter (mg/L)	Effluent Gross	001	Monthly	DISCRT
Barium, total (as Ba)	Monthly Maximum		<= 2.0 Milligrams per Liter (mg/L)	Effluent Gross	001	Monthly	DISCRT
Barium, total (as Ba)	Monthly Average		<= 2.0 Milligrams per Liter (mg/L)	Effluent Gross	001	Monthly	DISCRT
Hydrocarbons, total petroleum	Monthly Maximum		<= 1.0 Milligrams per Liter (mg/L)	Effluent Gross	001	Monthly	DISCRT
Hydrocarbons, total petroleum	Monthly Average		<= 1.0 Milligrams per Liter (mg/L)	Effluent Gross	001	Monthly	DISCRT
pH, maximum	Monthly Maximum		<= 8.5 Standard Units (SU)	Effluent Gross	001	Monthly	DISCRT
pH, minimum	Monthly Minimum		>= 6.5 Standard Units (SU)	Effluent Gross	001	Monthly	DISCRT

Rationale for Permit Requirements:

According to information submitted to NDEP with the application, the following constituents may be in the air

compressor condensate or laboratory wash water. Limits are set in accordance with NDEP's Profile I list. Lab samples submitted with the application indicate that no degradation of waters of the state of Nevada is expected to occur.

Total Nitrogen: 10.0 mg/L. Sample monthly to determine effluent quality. Nitrogen-containing compounds are used in the lab. Nitrogen compounds may be present in the lab wash water.

Total Barium: 2.0 mg/L. Sample monthly to determine effluent quality. Facility produces barium sulfate. Barium sulfate may be present in the lab wash water.

Total Petroleum Hydrocarbons (TPH): 1.0 mg/L. Sample monthly to determine effluent quality. TPH may be present in the air compressor condensate.

pH: 6.5 - 8.5 SU. Sample monthly to determine effluent quality. Limit is in accordance with NDEP's Profile I list.

Special Conditions:

SA – Special Approvals / Conditions Table

There are no Special Approval / Condition items

Reasonable Potential Analysis and Antidegradation Review:

Discharges in accordance with the permit will not degrade groundwater of the state of Nevada.

Flow:

The flow limit requested by the Permittee is 50,000 gallons per day (gpd) daily maximum, and 25,000 gpd monthly average.

Corrective Action Sites:

There is one Bureau of Corrective Actions (BCA) remediation site within one mile of this facility. The BCA case officer does not expect this facility to affect the remediation site.

Wellhead Protection Program:

This facility is outside of the 6000-foot Drinking Water Protection Area, and no Wellhead Protection Area has been established.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit for review and approval two copies of a new O&M Manual, prepared in accordance with the Division's WTS-2 guidance: Minimum Information Required for an Operations and Maintenance Manual. Before implementing changes to an approved O&M Manual, the Permittee shall submit proposed changes to the Division for review and approval. The O&M manual shall be prepared and stamped by a Nevada Registered Professional Engineer, or other Qualified Person.	3/1/2015

Deliverable Schedule:

DLV– Deliverable Schedule for Reports, Plans, and Other Submittals

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly Report	Quarterly	4/28/2015
2	Annual Report	Annually	1/28/2016

Procedures for Public Comment:

The Notice of the Division's intent to issue a permit authorizing the facility to discharge to groundwater of the State of Nevada subject to the conditions contained within the permit, is being sent to the **Battle Mountain Bugle, Reno Gazette Journal** 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 until 5:00 P.M. **11/14/2014**, 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. 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 determined to be appropriate. All public hearings must be conducted to accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination:

The Division has made the tentative determination to issue / re-issue the proposed 5-year permit.

Prepared by: **Robert Wimer**

Date: **10/2/2014**

Title: **E.I.**