

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET

(pursuant to NAC 445A.236)

Permittee: Bordertown Properties LLC
19575 Highway 395 North
Reno, NV 89508

Permit: NEV2010508

Location: Winner's Corner
19575 Highway 395 North
Reno, Washoe County, Nevada
Latitude: 39° 40' 16" N, Longitude: 119° 59' 57" W
Township 21N, Range 18E, Section 19

General: Groundwater remediation activities are occurring at the Bordertown Properties' Winner's Corner, a site impacted with petroleum hydrocarbons, located at 19575 Highway 395 North in Reno, Nevada in Washoe County. The remediation activities are being overseen by the Division's Bureau of Corrective Actions (Facility ID 4-00204) and by Washoe County District Health Dept (UST Case #719). The property currently houses a Winner's Corner Mini Mart and fuel dispensing station. An in-situ Dual Phase Extraction (DPE) system is installed at the site. The system consists of 3 DPE wells, with variable frequency drive submersible pumps, and LPG-fired thermal/catalytic oxidizer, and a water treatment system. The water treatment system consists of an equalization tank with an auto-drain system, sediment filter, and 4 granular activated carbon absorbers, installed in series, and a two-way telemetry system for remote monitoring of the remediation system. The treated groundwater will then be pumped, at a maximum of 10,000 gallons per day, into a nearby drop inlet, part of the Washoe County Public Works Department storm drain system. The storm drain drop inlet discharges to a grassy surface ditch that parallels the frontage road. The discharged water will evaporate and infiltrate to groundwater.

Discharge Monitoring Reports from treatment associated with TNEV2010384 are reported below:

Table I.A.1. Discharge Limitations

Parameter	Discharge		Monitoring Requirements		
	Results	Limitation/ Units	Location	Frequency	Sample Type
flow ¹	2791	Monitor & Report, gpd	ii	continuous	meter
Total Trihalomethanes	<1	100 µg/l	i	monthly	discrete
Trichloroethene (TCE)	<1	5 µg/l	i	monthly	discrete
Tetrachloroethene (PCE)	<1	5 µg/l	i	monthly	discrete
MTBE ²	<1	20 µg/l	i	monthly	discrete
Benzene	<1	5 µg/l	i	monthly	discrete
Toluene	<1	100 µg/l	i	monthly	discrete

Ethylbenzene	<1	100 µg/l	i	monthly	discrete
Xylenes (total)	<1	200 µg/l	i	monthly	discrete

m&r = monitor & report, i = influent to final canister, ii = final canister effluent

1. Report average gpd per month
2. Methyl tertiary butyl ether

Flow: The design treatment capacity of the groundwater remediation system is 7 gpm, or 0.010 million gallons per day (MGD). Discharge from the system during operation has averaged 388 gallons per day.

Receiving Water Characteristics: The effluent from the groundwater treatment system is discharged to an onsite drop inlet, which leads to an unlined roadside swale. Disposal will occur through evaporation and infiltration to groundwater. Groundwater depth varies from 30 to 74 below ground surface

Proposed Effluent Limitations and Special Conditions:

Discharge from the facility shall be limited and monitored according to the following:

Table 1: Discharge Limitations

PARAMETER	SAMPLING LOCATION	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
		30-Day Average	Daily Maximum	Measurement Frequency	Sample Type
Flow, MGD	001	0.010	0.010	Continuous	Flow Meter
MTBE	001	---	20 µg/l	monthly	Discrete
Benzene	001	---	5 µg/l	monthly	Discrete
Toluene	001	---	100 µg/l	monthly	Discrete
Ethylbenzene	001	---	100 µg/l	monthly	Discrete
Xylenes (total)	001	---	200 µg/l	monthly	Discrete
TPH ¹	001	---	1 mg/l	monthly	Discrete
pH, S.U.	001	Between 6.0 & 9.0		monthly	Discrete

Sampling Location 001 – effluent from treatment system

MGD: Million Gallons per Day
 S.U.: Standard Unit

MTBE: Methyl tertiary butyl ether
 µg/l: microgram per liter

TPH: Total Petroleum Hydrocarbons
 mg/l: milligram per liter

1. Full range, purgeable and extractable.

Special Conditions:

- a. Groundwater remediation activities shall be addressed in accordance with requirements of the Division's Bureau of Corrective Actions and/or Washoe County Health District. The Permittee shall notify the Division's Bureau of Water Pollution Control in writing, and within fourteen (14) days, when the Permittee is granted approval to cease operation of the groundwater extraction and treatment system.
- b. The treatment system(s) shall have a contingency plan that will be implemented before or upon the exceedance of discharge limits (e.g. canister rotation, flow routing, reserve capacity).

Descriptions of this plan shall be included in the approved Operations & Maintenance Manual.

Rationale for Permit Requirements: Monitoring requirements for the parameters specified in Table 1 have been established to ensure that the receiving water is not degraded as a result of discharge from the remediation system.

Well Head and Drinking Water Supply Protection: The facility is located within 6000' of one community water system. Discharge in accordance with permit limitations are not expected to adversely impact Public Water System wells in the area.

Corrective Actions Sites: There are no Bureau of Corrective Actions (BCA) sites within 1 mile of the subject facility. The facility is an active Washoe County Health District remediation site, UST Case #719.

Schedule of Compliance: The Permittee shall achieve compliance with the permit limitations upon issuance of the permit, submittal of documentation shall be submitted as described below:

- a. The Permittee shall submit for Division review and approval a current Operations & Maintenance (O&M) Manual by **MM/DD/YYYY**.

Procedures for Public Comment: The Notice of the Division's intent to issue an Nevada Groundwater Discharge permit authorizing the facility to discharge treated groundwater, subject to the conditions contained within, is being sent to the **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 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 **June 29, 2010 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.

Proposed Determination: The Division has made the tentative determination to issue the proposed permit to the facility for a period of five (5) years.

May 2010