

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION
FACT SHEET

(pursuant to NAC 445A.236)

Permittee: Parampreet Investment LLC
20255 Cold Springs Drive
Reno, NV 89508

Permit: NEV2010507

Location: Chuck's Circle C Market
20255 Cold Springs Drive
Reno, Washoe County, Nevada
Latitude: 39° 40' 08" N, Longitude: 119° 59' 42" W
Township 21N, Range 18E, Section 20

General: Chuck's Circle C Market is a convenience store and gas station with three underground storage tanks (one 10,000 gallon diesel, one 10,000 gallon regular gasoline, and one 6,000 gallon premium gasoline). During a line tightness test in June 2008, a suspect area between the automatic line leak detector and the turbine in the diesel tank sump was investigated. A weeping check valve cover was discovered and repaired on June 17, 2008. The Washoe County Health District UST Case #433 was assigned to Chuck's Circle C Market. Discharge of treated groundwater is piped to the Washoe County Storm Drain System at a drop inlet southeast of the facility. The drain system ultimately discharges toward the White Lake alkali playa less than 1000 feet away. The facility currently discharges under the temporary groundwater discharge permit TNEV2010372. The Nevada Division of Environmental Protection (NDEP) has determined that the facility is required to obtain a State of Nevada Groundwater Discharge Permit to continue the discharge of treated groundwater.

The groundwater remediation process consists of an air stripper and activated carbon adsorption. The pump and treat process is designed for 10 gpm. A total of two (2) extraction and six (6) monitoring wells have been installed on this property and within the NDOT right-of-way. Extracted groundwater is combined and sent through two cartridge filters in parallel and then to an equalization tank, which feeds through an air-stripper and three (3) granular activated carbon adsorption vessels in series. The treated groundwater is sampled and routed for discharge to a storm drain inlet and ultimately toward the White Lake playa for evaporation and infiltration.

Discharge Monitoring Reports from treatment associated with TNEV2010372 are reported below:

Reported Discharge Parameters (December 29, 2009)

Parameter	Discharge		Monitoring Requirements		
	Results	Limitation/ Units	Location	Frequency	Sample Type
Flow ¹	388	M&R, gpd	001	continuous	meter
Total Trihalomethanes	<1	100 µg/l	002	monthly	discrete
Trichloroethene (TCE)	<1	5 µg/l	002	monthly	discrete
Tetrachloroethene (PCE)	<1	5 µg/l	002	monthly	discrete
MTBE ²	<1	20 µg/l	002	monthly	discrete
Benzene	<1	5 µg/l	002	monthly	discrete
Toluene	<1	100 µg/l	002	monthly	discrete
Ethylbenzene	<1	100 µg/l	002	monthly	discrete
Xylenes (total)	<1	200 µg/l	002	monthly	discrete

001 = final canister effluent (ii*)

002 = influent to final canister (i*)

M&R = monitor & report

gpd = gallons per day

µg/l = micrograms per liter

1. Report average gpd per month

2. Methyl tertiary butyl ether

* Location naming convention from TNEV2010372

Flow: The design treatment capacity of the groundwater remediation system is 10 gpm, or 0.0144 million gallons per day (MGD) (14,400 gallons per day). Discharge from the system during operation has been 388 gallons per day.

Receiving Water Characteristics: The storm drain inlet for the property's stormwater is located near the SE corner of the site. The storm drain flows to White Lake, an alkali playa southeast of the facility. The Nevada Administrative Code does not list White Lake playa; it is an unclassified waters of the State. The playa is not used for municipal or domestic supplies. Groundwater at Chuck's Circle C Market varies from 13 to 18 feet below ground surface.

Proposed Effluent Limitations:

Table 1: Discharge Limitations

Parameter	Sampling Location	Discharge Limitations		Monitoring Requirements	
		30-Day Average	Daily Maximum	Measurement Frequency	Sample Type
Flow, MGD	001	0.015	0.015	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	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: Chuck's Circle C Market is located within the 150' Drinking Water Protection Area (DWPA) of W01 of drinking water system NV0004079, a transient non-community well. The discharge is located within 6000' of two additional wells. 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 #433.

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 **within 90 days** of Permit issuance.

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 **May 10, 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.

Prepared by: Chad Schoop, P.E.
April 1, 2010