

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION
FACT SHEET
(pursuant to NAC 445A.236)

Permittee Name: D & J Holdings LLC
295 Sparks Boulevard
Sparks, Nevada 89434-8988

Permit Number: NV0024040

Discharge Location:: Convenience Corner Shell
295 Sparks Boulevard
Sparks, Washoe County, Nevada 89434
Township 19N, Range 20E, Section 10

Location of Discharge to Storm Drain:

Latitude: 39° 31' 58.77" N

Longitude: 119° 42' 58.62" W

Receiving Water: Truckee River, via the City of Sparks Storm Drain System

Drinking Water Protection:

The facility is outside the 6,000 foot Drinking Water Protection Area (DWPA) around any public water supply wells. The facility is not within a currently established Wellhead Protection Area (WHPA) or capture zone.

Corrective Actions Sites:

The subject facility is within 1 mile of the following Washoe County District Health Department (WCDHD) and the Bureau of Corrective Actions (BCA) sites. The case officers in charge of these sites have indicated that adverse effects of the proposed project on the ongoing corrective activities are not anticipated.

Project ID #	Site Number	Facility Name	Managing Authority	Corrective Action Type (Media/Contaminant)
3313	4-001061	Espress Supermart 15	WCDHD	Soil/Gasoline
5784	D-000766	Resolvent, Inc.	BCA	Groundwater/Solvents
6627	D-000797	Franklin Sparks, LLC	WCDHD	Soil/Other
6913	4-000037	Roadway Express, Inc.	WCDHD	Soil/Total Petroleum Hydrocarbons

General:

Convenience Corner Shell operates a fuel service station at 295 Sparks Boulevard, Sparks, Washoe County. In 2008, groundwater contamination from petroleum hydrocarbons and methyl tert butyl ether (MTBE) was attributed to leaking underground storage tanks (USTs) at the site. Soil and groundwater remediation activities under the direction of WCDHD were initiated.

Groundwater remediation is accomplished using a Dual-Phase Extraction (DPE) System, which treats both soil vapors and impacted groundwater. The water treatment portion of the system includes a sediment filter and three aqueous phase GAC adsorption vessels in series, which remove petroleum hydrocarbons and MTBE compounds from the impacted groundwater. Treated groundwater is discharged to the Truckee River via the City of Sparks storm drain system. Treatment capacity of the activated carbon vessels is 35 gallons per minute (gpm). The Applicant has requested a Daily Maximum flow limit of 0.040 Million Gallons per Day (28 gpm).

Discharge Characteristics:

Overall, the groundwater to be discharged is of good quality. Previously gathered data indicates the treatment system adequately removes Volatile Organic Compounds below BCA action levels prior to discharge.

Receiving Water Characteristics:

The treatment system will discharge into the Truckee River, via the City of Sparks storm drain system. Water quality standards for this reach of the Truckee River are specified in NAC 445A.186.

Proposed Effluent Limitations and Special Conditions:

The water discharged from the groundwater remediation system to City of Sparks storm drain shall be limited, sampled and monitored by the Permittee as specified below.

Effluent samples and measurements taken in compliance with the monitoring requirements specified below shall be taken from Outfall 001 at the following locations:

- a. the flow meter on the inlet line to the first carbon canister;
- b. the sample port on the discharge line from the second activated carbon vessel, prior to the third activated carbon vessel; and
- c. The sample port on the discharge line of the third carbon vessel, prior to discharge to the stormwater conveyance channel/drain.

Table 1: Discharge Limitations

PARAMETERS	EFFLUENT DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS		
	30-Day Average	Daily Maximum	Sample Location	Measurement Frequency	Sample Type
Flow, MGD	M&R	0.040	a.	Continuous	Flow meter
Volatile Organic Compounds EPA Method 8260B, µg/L	---	M&R (report all parameters)	c.	Annually ¹	Discrete
Benzene, µg/L	---	M&R	b.	Quarterly	Discrete
	---	5	c.		
Ethylbenzene, µg/L	---	M&R	b.	Quarterly	Discrete
	---	100	c.		
Toluene, µg/L	---	M&R	b.	Quarterly	Discrete
	---	100	c.		
Xylenes, Total, µg/L	---	M&R	b.	Quarterly	Discrete
	---	200	c.		
Total Petroleum Hydrocarbons ² , mg/L	---	M&R	b.	Quarterly	Discrete
	---	1.0	c.		
Methyl tertiary butyl ether (MTBE), µg/L	---	M&R	b.	Quarterly	Discrete
	---	20	c.		
Activated Carbon Addition and Advancement, Date and Pounds	---	M&R	Carbon Vessel	Each Event	Discrete
Total Dissolved Solids, mg/L	---	M&R	c.	Quarterly	Discrete
Total Phosphorus as P, pounds/day	< 1.0	---	c.	Quarterly	Discrete
Total Nitrogen as N, pounds/day	< 1.0	---	c.	Quarterly	Discrete
pH, SU	---	6.5 - 9.0	c.	Quarterly	Discrete

Notes: 1: To be analyzed in the fourth quarter and submitted to the Division with the Annual Report.
 2: EPA Method 8015B and EPA Method 8260 B, extractable and purgable, C6-C40. Summation must meet permit limit.

mg/L: Milligram per liter. µg/L: Micrograms per liter. MGD: Million gallons per day.
 P: Phosphorus. N: Nitrogen. VOC: Volatile organic compound.
 SU: Standard units M&R: Monitor and Report

Special Conditions:

- a. Every precaution must be taken in the application of Best Management Practices to prevent and control any transport of pollutants into the City of Sparks storm drain

during the groundwater remediation project.

- b. The **D & J Holdings LLC** bears the sole responsibility to ensure that the requirements of this permit are fully satisfied.
- c. Spent carbon shall be replaced when breakthrough has been detected, with the fresh carbon being placed in the final canister and the other canisters rotated so that the oldest carbon is placed in the first position, and subsequent positions are occupied by decreasingly spent carbon. A sufficient amount of fresh carbon shall be available at all times to replace the activated carbon in both vessels at the same time.

Rationale for Permit Requirements:

The monitoring requirements and permit limits have been established to ensure that the receiving water is not degraded from discharge of treated groundwater. The requirements are consistent with other similar installations.

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 effluent limitations upon issuance of the permit.
- b. **No less than fourteen (14) days prior to first discharge under this permit**, the Permittee shall submit written notice of commencement of discharge.
- c. **By October 31, 2011**, the Permittee shall submit an Operations and Maintenance Manual, prepared in accordance with applicable sections of *WTS-2 Minimum Information Required for an Operation and Maintenance Manual for a Wastewater Treatment Plant*, to the Division for review and approval at the following address:

**Department of Conservation and Natural Resources
Division of Environmental Protection
Bureau of Water Pollution Control
ATTN: Compliance Coordinator
901 S. Stewart Street, Suite 4001
Carson City, Nevada 89701**

Procedures for Public Comment:

The Notice of the Division's intent to issue an NPDES permit authorizing this facility to discharge for a five-year period, subject to the conditions contained within the permit, 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 **August 31, 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.

Proposed Determination:

The Division has made the tentative determination to issue the proposed NPDES discharge permit for a period of five (5) years.

Prepared by: Janine O. Hartley, P.E.
Bureau of Water Pollution Control
Draft: July 2011
Final: