

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

Permittee Name: Somerset Shopping Center LP
 294 Convention Center Drive,
 Las Vegas, Nevada 89109

Permit Number: NV0023841

Discharge Location: 252 Convention Center Drive
 Las Vegas, Clark County, Nevada 89109
 Township 21S, Range 61E, Section 09
 Latitude: 36° 07' 58" N
 Longitude: 115° 09' 34" W



Receiving Water: Las Vegas Wash, via Clark County 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. A Wellhead Protection Area (WHPA) or capture zone has not been established for this location.

Corrective Actions Sites:

The subject facility is within 1 mile of the following Bureau of Corrective Actions (BCA) sites. The BCA 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	Corrective Action Type (Media/Contaminant)
1980	H-000402	TDI/Sahara Center: Pastor/Foxy's	Soil & Groundwater/Gasoline
3795	8-001540	Riviera Hotel & Casino	Soil/Diesel
5729	8-000841	Las Vegas Convention & Visitors Bureau	Groundwater/Solvents

UST = Underground Storage Tank

General:

The Applicant owns the Somerset Shopping Center, 294 Convention Center Drive, Las Vegas, Clark County. The shopping center houses a dry cleaning establishment. Groundwater contamination from tetrachloroethene (PCE), an organic solvent used in the dry cleaning process, was attributed to previous activity of the dry cleaning establishment at the subject location. In 2008, soil and groundwater remediation activities under the direction of BCA were initiated.

Remediation is accomplished using a soil vapor and groundwater extraction system. Groundwater is extracted through 5 on-site wells, and soil vapor is recovered through 15 on-site Soil Vapor Extraction (SVE) wells. The extracted groundwater is routed to the SVE system air/water separator. The separated vapor is directed to granular activated carbon (GAC) vessels for treatment. The groundwater is directed to an aeration tank, and is then further treated separately in two 2,000 pound GAC vessels connected in series. The treated groundwater effluent is then routed to the storm sewer drop inlet, located south of the site in Convention Center Drive.

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 facility will discharge into the Clark County storm drain inlet, which eventually discharge to the Las Vegas Wash. Water quality standards for the Las Vegas Wash are specified in NAC 445A.199.

Proposed Effluent Limitations and Special Conditions:

The water discharged from the groundwater remediation system to Cochran Ditch shall be limited, sampled and monitored by the Permittee as specified below. Samples and measurements taken in compliance with the monitoring requirements and permit limits shall be taken at the following locations:

Flow:	Totalizing Flow Meter (a)
Carbon Addition:	GAC Vessels (b)
All other Parameters:	Final Discharge to storm drain drop inlet (c), and Sample Port between Carbon Vessels (d)

Discharge shall be limited and monitored as specified below:

Table 1: Discharge Limitations

PARAMETERS	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS		
	30-Day Average	Daily Maximum	Sampling Location	Measurement Frequency	Sample Type
Flow ¹ , MGD gpm	M&R M&R	0.043 30	a	Continuous	Flow meter
Tetrachloroethene (PCE), µg/L	--- ---	5 M&R	c d	Quarterly	Discrete
Trichloroethylene (TCE), µg/L	--- ---	5 M&R	c d	Quarterly	Discrete
Activated Carbon Addition and Advancement, Date and Pounds	---	M&R	b	Each Event	Discrete
Total Dissolved Solids, mg/L	Monitor and Report		c	Quarterly	Discrete
pH, SU	6.5 ≤ pH ≤ 9.0		c	Quarterly	Discrete
Volatile Organic Compounds, µg/L (EPA Method 8260B)	Monitor & Report ² (report all parameters)		c	Annually	Discrete

Notes:

1. Report gallons per day (GPD) and average gallons per minute (GPM) discharged.
2. Volatile Organic Compounds -Full range, report all parameters.

mg/L: Milligram per liter. µg/L: Micrograms per liter. gpd: Gallons per day.
 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 Clark County storm drain during the groundwater remediation project.
- b. The **Somerset Shopping Center LP** 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. **By MMM DD, 2010**, the Permittee shall submit an Operations and Maintenance Manual, stamped by a professional engineer registered in the State of Nevada and 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:

**Mr. Nadir Sous
Division of Environmental Protection
Bureau of Water Pollution Control - Las Vegas
2030 E. Flamingo Rd, Suite 230
Las Vegas, NV 89119-0837**

Copies of the approved the approved manual shall be submitted to both the address above and Compliance Coordinator 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 **Las**

Vegas Review 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 **MMM DD, 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 NPDES discharge permit for a period of five (5) years.

Prepared by: Janine O. Hartley, P.E.
Bureau of Water Pollution Control
Draft: August 2010