

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

Permittee Name: 7 Eleven Inc
P O Box 711
Dallas TX 75221-0711

Permit Number: NV0023078

Location: 7 Eleven # 21850
3575 E Lake Mead Blvd
(SW corner of Lake Mead Blvd and Pecos Rd)
North Las Vegas
Clark County
Latitude 36° 11' 46" N, Longitude 115° 05' 53" W
T20S R61E S24 - NE¼ of SE¼

General: 7 Eleven #21850 is a gas station and convenience store with groundwater contamination due to leaking underground storage tanks. Extraction wells feed an air stripper that discharges to Las Vegas Wash via the adjacent storm drain on Lake Mead Blvd. Average design flow is 10 gpm. Site clean up is being conducted pursuant to the requirements of the Division's Bureau of Corrective Actions.

Receiving Water: Water quality standards for this reach of Las Vegas Wash are set at the nearest downstream control point, "Las Vegas Wash at Telephone Line Road" (NAC 445A.199). Statewide standards also apply. From the control point, the total dissolved solids (TDS) standard is 1900 mg/l and the total inorganic nitrogen standard is 20 mg/l. In addition, Total Maximum Daily Loads (TMDLs) for Las Vegas Wash have been established for phosphorus and ammonia.

Rational for Permit Requirements: Please see Table I.A.1 below. The limits for benzene, toluene, xylene, ethylbenzene, MTBE (methyl tert-butyl ether), and TPH (total petroleum hydrocarbons) have been set at levels previously established by the Division for general use in discharge permits. The total inorganic nitrogen limit is taken from the water quality standard for Las Vegas Wash. The rest of the parameters; ammonia, total phosphorus, TDS, pH, and volatile organic compounds (VOCs); are subject to monitoring requirements without concentration limits. Ammonia and total phosphorus for evaluation of the TMDL, TDS for potential tracking due to salinity issues in the Colorado River, pH as an indicator of extreme conditions, and VOCs as a check on any changes in the effectiveness of the air stripper.

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Table I.A.1

Parameter	Discharge Limitations		Monitoring Requirements		
	30 Day Avg	Daily Maximum	Location	Frequency	Sample Type
Flow, gpm	10 gpm	-	effluent	continuous	meter
Benzene, µg/l	-	5	effluent	monthly	discrete
Toluene, µg/l	-	100	effluent	monthly	discrete
Ethylbenzene, µg/l	-	100	effluent	monthly	discrete
Total Xylenes, µg/l	-	200	effluent	monthly	discrete
Methyl tert-butyl ether, µg/l	-	20	effluent	monthly	discrete
TPH ¹ , mg/l	-	1	effluent	monthly	discrete
Total Inorganic Nitrogen, mg/l	-	20	effluent	quarterly	discrete
Ammonia as Nitrogen, mg/l	-	monitor & report	effluent	quarterly	discrete
Total Phosphorus, mg/l	-	monitor & report	effluent	quarterly	discrete
Total Dissolved Solids, mg/l	-	monitor & report	effluent	quarterly	discrete
pH, standard units	-	monitor & report	effluent	quarterly	discrete
TPH ² mg/l	-	monitor & report	influent	annual ⁴	discrete
VOCs ³ , µg/l	-	monitor & report	influent	annual ⁴	discrete

Notes:

1. Total petroleum hydrocarbon, purgable range
2. Total petroleum hydrocarbons, purgable + extractable ranges
3. Volatile organic compounds by EPA Method 8260, report all parameters.
4. Annual samples shall be collected in the fourth quarter.

Flow: The discharge limit has been set at the average design flow of the air stripper.

Procedures for Public Comment: Notice of the Division's proposed determination to re-issue NPDES permit NV0023078 is being sent to the **Las Vegas Review-Journal** for publication, and the notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit must do so in writing within the thirty (30) day period following the date of publication. The comment period can be extended at the discretion of the Administrator. The deadline by which all written comments are to be postmarked or hand-delivered to the Division is Monday March 7, 2005 by 5:00 pm.

A public hearing on the proposed determination can be requested by the applicant, any affected state or interstate agency, the Regional Administrator, or any interested agency, person, or group of persons. The request must be filed within the comment period and indicate the interest of the person filing the request and the reasons why a hearing is warranted. Public hearings granted by the Division are conducted in accordance with NAC 445A.238. The final determination of the

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Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination: The Division has made the tentative determination to re-issue the proposed permit for a five year term.

Prepared by: Robert J. Saunders
 Staff Engineer
 Bureau of Water Pollution Control
 January 27, 2005