

**NEVADA DIVISION OF ENVIRONMENTAL PROTECTION  
FACT SHEET**

(pursuant to NAC 445A.236)

**Permittee Name:** Valley Hospital Medical Center  
620 Shadow Lane  
Las Vegas, NV 89106

**Permit Number:** NV0022195

**Location:** Valley Hospital Medical Center  
620 Shadow Lane  
Las Vegas, Clark County, Nevada

Latitude: 36° 09' 46" N  
Longitude: 115° 09' 57" W

**General:**

Valley Hospital Medical Center is a general medical hospital located in Las Vegas, Clark County, Nevada. The facility is located 2 blocks north of Charleston Boulevard and 3 blocks east of S. Rancho Drive. Groundwater is drained from the foundation of the hospital building through dewatering trenches (French drains containing perforated pipes) to a dedicated collection sump within the hospital. Collected water is pumped from the sump, and is discharged to the Clark County storm drain system through a sub-grade HDPE line. Discharge is at the storm drain at the intersection of Shadow Lane and Pinto Lane. Samples are collected from a valved sampling port located downstream of the collection sump and upstream of the discharge point.

**Discharge Flow and Characteristics**

During the term of the current permit, Discharge Monitoring Reports (DMRs) indicate discharge of collected groundwater to the Clark County stormdrain system at an average rate of 540.7 gallons per day (gpd). Maximum discharge during this period was 5,873 gpd. The permit limits the discharge from the site to 15,000 gpd.

Average water quality characteristics since First Quarter 2001 have been the following: Total Nitrogen as N, 3.1 mg/l (limit 20 mg/l); pH, 7.3 (limit 6.5 to 9.0); Total Phosphorus, 0.112 pound/day (limit 1.0 pound/day); Total Dissolved Solids, 43.75 pounds/day (limit 2000 pounds/day). Ammonia as N was detected in only one quarterly sample (0.348 mg/l in First Quarter 2001). Total Petroleum Hydrocarbon (TPH) was below detection limits in 10 of 12 samples. TPH exceeded the limit of 1.0 mg/l in First Quarter 2001 (4.1 mg/l) and First Quarter 2003 (2.2 mg/l).

**Receiving Water Characteristics:**

The dewatering system discharges into a Clark County stormdrain inlet, which eventually discharges to the Upper Las Vegas Wash. Water quality standards for the Upper Las Vegas Wash are specified in NAC 445A.199. The requirements to maintain existing higher quality waters apply.

**Proposed Effluent Limitations and Special Conditions:**

<b><u>PARAMETERS</u></b>	<b><u>DISCHARGE LIMITATIONS</u></b>	<b><u>MONITORING REQUIREMENTS</u></b>	
	<b>Daily Maximum</b>	<b>Measurement Frequency</b>	<b>Sample Type</b>
Flow (gallons/day)	15,000	Continuous	Flow meter
Total Petroleum Hydrocarbons (EPA Method 8015 Mod.) (mg/l)	1.0	Quarterly	Discrete
Total Phosphorous as P (lbs/day <sup>(1)</sup> )	1.0	Quarterly	Discrete
Ammonia as N (lbs/day <sup>(1)</sup> )	1.0	Quarterly	Discrete
Total Dissolved Solids (lbs/day <sup>(1)</sup> )	2,000	Quarterly	Discrete
Total Inorganic Nitrogen (mg/l)	20	Quarterly	Discrete
pH (Standard Units)	6.5 - 9.0	Quarterly	Discrete
Beryllium, Boron, Cadmium, Lead, Nickel, Selenium (mg/l)	Monitor & Report	Annually, Third Quarter	Discrete

<sup>(1)</sup> Discharge Monitoring Reports shall reflect the lb/day limit listed. The calculation for reporting is: Flow (gpd) ÷ 1,000,000 X Lab Analysis Concentration (mg/l) X 8.34 = pounds per day.

**Rationale for Permit Requirements:**

The monitoring requirements for the site are consistent with the requirements for maintaining higher water quality, as stated in NAC445A.199. The Permittee is required to continue monitoring discharge to ensure that the receiving water (Upper Las Vegas Wash) is not degraded from dewatering at the Valley Hospital Medical Center site.

**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 that 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. The Permittee shall submit a report in accordance with permit condition I.B.1.c within 14 days of a compliance date detailing compliance or noncompliance with that date.
- c. **By January 31, 2006**, the Permittee shall modify the sample collection port and enclosure to allow installation of a port cap and locking device. Within 14 days, per Part I.A.12.b above, the Permittee shall submit a report detailing the modification, including photographs.

**Procedures for Public Comment:**

The Notice of the Division's intent to issue an NPDES permit authorizing this facility to discharge into the Las Vegas Wash 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 **November 21, 2005 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 renew the proposed NPDES discharge permit for a period of five (5) years

Prepared by: Janine O. Hartley  
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