

Pittman Wash (Wash). Pittman Wash is a minor tributary to the Las Vegas Wash, which is the primary wastewater and stormwater drainage outlet for the Las Vegas Valley and surrounding watershed. The shallow groundwater encountered for the Wash relining project is representative of Wash water quality. Settling tanks will be used to filter the water prior to discharge to the Wash. Monitoring of the discharge outfalls to the Wash will ensure that water quality is not degraded appreciably and that downstream projects and downstream water users are not impacted by the additional activities in the the Wash. Water quality standards for the beneficial uses designated in NAC 445A.198, for the Upper Las Vegas Wash, are specified in NAC 445A.199.

Site Groundwater: Within the project area the groundwater elevation is generally quite shallow, approximately 2-4 feet below the existing channel flowline. The local groundwater flow direction is northeast.

Corrective Actions Sites: There are no Bureau of Corrective Actions (BCA) remediation sites within a one-mile radius of the facility.

Well Head and Drinking Water Supply Protection: The facility is within 6000’ of a surface water intake. A Wellhead Protection Area (WPA) has not been established for this area.

Proposed Discharge Limits: Specific sampling and monitoring requirements are listed below in Table I.

Table I. Discharge Limitations, Sampling and Monitoring Requirements

Parameters	Units	Discharge Limitations		Monitoring Requirements		
		30-Day Average	Daily Maximum	Sampling Locations	Monitoring Frequency	Monitoring Type
Maximum Daily Discharge ¹	gpm	---	304	001, 002	Continuous	Flow meter
30-Day Average Discharge Rate ¹	MGD	0.273	---	001, 002	Continuous	Calculate
pH	S.U.	6.5 ≤ pH ≤ 9.0		001, 002	Quarterly	Discrete
TDS	mg/l	M&R	M&R	001, 002	Quarterly	Discrete
TPH	mg/l	M&R	1.0	001, 002	Quarterly	Discrete
perchlorate	µg/l	M&R	M&R	001, 002	Quarterly	Discrete

NOTES:

1. Monitor and report maximum daily discharge and 30-day average discharge rates from the sumps & trenches to each outfall location in the Wash.

gpm: gallons per minute
 M&R: Monitor and Report
 mg/l: milligrams per liter
 TDS: Total Dissolved Solids

MGD: Million gallons per day
 S.U.: standard pH units
 µg/l: micrograms per liter
 TPH: Total Petroleum Hydrocarbons

Rationale for Permit Requirements: The Division has established the monitoring requirements in Table I above to ensure that downstream water quality is not degraded as a result of project activities.

Flow: The rationale for the daily maximum and 30-day average discharge rates was explained in the Flow section of this fact sheet.

pH: 6.5 - 9.0, standard units. pH is required monitoring per standards stipulated in NAC 445A.199 for the beneficial uses designated in NAC 445A.198.

TDS: M&R. The requirement is to sample and report quarterly. The shallow groundwater with naturally occurring elevated TDS levels would flow to the Wash, if it was not intercepted by the dewatering system. Therefore, the TDS standard is not applied to dewatering discharges in this area. This permit is for the interception and passage of groundwater and thus is exempted under the Colorado River Basin Salinity Control Forum's policy on groundwater interception.

TPH: 1.0 mg/L. The limit is based on BCA action levels. The requirement is to sample quarterly to ensure that nearby groundwater plumes are not being drawn into the dewatering system.

perchlorate: M&R. The requirement is to sample quarterly to ensure that nearby groundwater plumes are not being drawn into the dewatering system. There are no water quality standards for perchlorate, but recent data submitted with the application shows groundwater perchlorate concentrations of 28-33 µg/L. The perchlorate sources are upstream of the project area. The proposed project will simply extract and discharge groundwater that would otherwise naturally recharge the Wash. The project will produce no net increase in perchlorate to the Wash.

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:

- The Permittee shall achieve compliance with the effluent limitations upon issuance of the permit.
- Prior to the start of dewatering discharge, by **April 30, 2011**, whichever comes first, the Permittee shall submit to the Division, for review and approval, an **Operations & Maintenance Manual (O&M)**, per WTS-2, for the proposed dewatering and discharge activities. The **O&M** shall include a Dewatering Plan providing dewatering discharge details including discharge routing, methodology and BMPs to be utilized. The **O&M** shall also include a Sampling and Analysis Plan summarizing the monitoring, sampling, analytical, and data reporting procedures for the proposed sampling locations. Before implementing changes to an approved **O&M**, the Permittee shall submit the proposed changes to the Division for review and approval.
- The Permittee shall notify the Division in writing within 14 days of initiating discharge.

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

Procedures for Public Comment: The Notice of the Division's intent to issue a NPDES permit for a five-year period, authorizing this facility to discharge into the Pittman Wash via sumps and trenches, 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 **March 25, 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.

Prepared by: Jeryl R. Gardner, P.E.
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