

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

Permittee Name: Clark County Department of Aviation
 P. O. Box 11005
 Las Vegas, Nevada 89111

Permit Number: NV0023761

Discharge Location:: McCarran International Airport,
 Terminal 3 Dewatering System
 5757 Wayne Newton Boulevard
 Las Vegas, Clark County, Nevada, 89119

Outfall 001: Central Utility Plant
 Latitude: 36° 05' 08" N
 Longitude: 115° 07' 44" W

Outfall 002: Automated Transit System (ATS) Tunnel
 Latitude: 36° 05' 11" N
 Longitude: 115° 08' 27" W

Receiving Water: Las Vegas Wash, via Duck Creek and the Clark County Stormdrain System

Drinking Water Protection: The facility is not within a 6,000 foot buffer of any public water supply, nor within an established Wellhead Protection Area (WPA) or capture zone.

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
4059	8-000938	Circle K Store # 1951	UST / Gasoline
1993	H-000527	McCarran International Airport	AST / Jet Fuel
3562	H-001283	McCarran International Airport	Mobile Source / Jet Fuel
4599	H-000527	McCarran International Airport	AST / Other

UST = Underground Storage Tank Leak
 AST = Above-ground Storage Tank Leak

General: Clark County Department of Aviation operates McCarran International Airport. The airport is located in the southern portion of the city, north and west of the intersection of Sunset Road and Las Vegas Boulevard (Township 21S, Range 61E, Sections 26-28, 33-35). The airport is

in the process of constructing a new terminal (Terminal 3) with an Automated Transit System (ATS) connecting the new terminal with the main passenger terminal. The Terminal 3 Central Utility Plant (CUP) and the ATS Tunnel have subgrade components extending below the water table, requiring dewatering. Water is collected in a passive (French drain) system and conveyed to two collection sumps. Collected groundwater is pumped from each sump and is discharged to the Clark County storm drain system at two points. Water is conveyed via the storm drain to Duck Creek, which conveys the collected water to the Las Vegas Wash. The permit allows discharge of up to 0.50 MGD of collected groundwater, based on a 30-Day Average.

Discharge Characteristics: Overall, the groundwater to be discharged is of good quality. Reported values for Total Dissolved Solids (TDS) ranges from 876 to 1130 milligrams/liter (mg/l). Nitrate values reported range from 1.68 to 5.25 mg/l. No Volatile Organic Compounds or Total Petroleum Hydrocarbons were detected.

Receiving Water Characteristics: The dewatering system will discharge into various Clark County storm drain inlets along the path of the pipeline, 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 to the storm drain system shall be limited, sampled and monitored by the Permittee as specified below:

Outfall 001: Central Utility Plant: Prior to discharge to storm drain

Outfall 002: ATS Tunnel: Prior to discharge to storm drain

PARAMETER	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	30-Day Average	Daily Maximum	Measurement Frequency	Sample Type
Total Flow, All Discharge Points (MGD)	0.50	Monitor & Report	Continuous	Calculation
Flow, Each Discharge Point(MGD)	Monitor & Report	Monitor & Report	Continuous	Flow Meter
Total Dissolved Solids (TDS), (mg/L)	---	Monitor & Report	Quarterly	Discrete
Total Inorganic Nitrogen as N, (mg/L)	---	20	Quarterly	Discrete
Total Phosphorus as P (lbs/day)	---	1.0	Quarterly	Discrete
Ammonia as N (lbs/day)	---	1.0	Quarterly	Discrete
pH (Standard Units)	---	6.5 – 9.0	Quarterly	Discrete
Total Petroleum Hydrocarbons (TPH) ¹ , (mg/L)	---	1.0	Quarterly	Discrete
Volatile Organic Compounds (VOC and MTBE), (µg/L)	---	Monitor & Report	Quarterly	Discrete

MGD: million gallons per day
 lbs/day: pounds per day

mg/l: milligrams per liter
 µg/L: micrograms per liter

1. EPA Method 8015B and EPA Method 8260 B, full range, C6-C40. Summation must meet permit limit

Rationale for Permit Requirements: The monitoring requirements and permit limits have been established to ensure that the receiving water (Las Vegas Wash) is not degraded from dewatering activities at the McCarran International Airport Terminal 3. The requirements are consistent with other similar installations discharging to the Las Vegas Wash and have been established to ensure that the Las Vegas Wash is not degraded by dewatering activities and incidentally introduced fluids.

Schedule of Compliance: The Permittee shall achieve compliance with the discharge limitations upon issuance of the permit; and,

- a. The Permittee shall achieve compliance with the discharge limitations stated in Part I.A.1 upon issuance of the permit; and,
- b. **By MMM DD, 2009** (Within fourteen (14) days of the permit issuance date), the Permittee shall submit for review and approval a copy of the Operations & Maintenance (O&M) Manual for the dewatering system, prepared in accordance with the Division's WTS-2 guidance: *Minimum Information Required for an Operations and Maintenance Manual*. The manual shall describe the Best Management Procedures (BMPs), which have been employed at the site to minimize the introduction of contaminants/pollutants into the stormdrain. **This document shall be wet stamped and signed by a Nevada Professional Engineer (P.E.).** The document shall be sent to the following address for review and approval:

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

Once approved, the Permittee shall submit a copy of the approved O&M Manual to the Division at the following

Department of Conservation and Natural Resources
Division of Environmental Protection
Bureau of Water Pollution Control
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

December 2, 2009 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