



STATE OF NEVADA

Department of Conservation & Natural Resources

Brian Sandoval, Governor

Leo M. Drozdoff, P.E., Director

DIVISION OF ENVIRONMENTAL PROTECTION

Colleen Cripps, Ph.D., Administrator

FACTSHEET (pursuant to NAC 445A.236)

Permittee Name: ALLIANCE LANDSCAPING & WATER FEATURES
240 ELLIOT ROAD
HENDERSON, NV - 89011

Permit Number: NV0024209

Location: SECTION SEVEN COMMUNITY ASSOCIATION, CLARK
NORTHWEST CORNER OF FORT APACHE AND DESERT INN, LAS VEGAS,
NV - 89117
LATITUDE: 36.056942, LONGITUDE: -115.107907
TOWNSHIP: T22S, RANGE: R61E, SECTION: S12

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	POND 1 NORTH - SO. CASTLE GATE DR./LAKE SOUTH	External Outfall		LAS VEGAS	NV	89117	CLARK	36.133608	-115.301833	MUNICIPAL STORM DRAIN
002	POND 1 SOUTH - SO. CASTLE GATE DR./LAKE SOUTH	External Outfall		LAS VEGAS	NV	89117	CLARK	36.133194	-115.301881	MUNICIPAL STORM DRAIN
003	POND 2 NORTH - SO. COSTAL POINT/LAKE WEST	External Outfall		LAS VEGAS	NV	89117	CLARK	36.134347	-115.309839	MUNICIPAL STORM DRAIN
004	POND 2 SOUTH - SO. COSTAL POINT/LAKE WEST	External Outfall		LAS VEGAS	NV	89117	CLARK	36.133942	-115.310314	MUNICIPAL STORM DRAIN
005	POND 3 NORTH - BEACHMONT DRIVE/LAKE NORTH DRIVE	External Outfall		LAS VEGAS	NV	89117	CLARK	36.140228	-115.310578	MUNICIPAL STORM DRAIN
006	POND 3 SOUTH - BEACHMONT DRIVE/LAKE NORTH DRIVE	External Outfall		LAS VEGAS	NV	89117	CLARK	36.139814	-115.309975	MUNICIPAL STORM DRAIN
007	POND 4 NORTH - SO. TROPHY LAKE/LAKE NORTH DRIVE	External Outfall		LAS VEGAS	NV	89117	CLARK	36.140878	-115.301750	MUNICIPAL STORM DRAIN
008	POND 4 SOUTH - SO. TROPHY LAKE/LAKE NORTH DRIVE	External Outfall		LAS VEGAS	NV	89117	CLARK	36.140456	-115.301775	MUNICIPAL STORM DRAIN
SP1	REPRESENTATIVE POND DISCHARGE SAMPLING POINT 1	External Outfall		LAS VEGAS	NV	89117	CLARK	36.130397	-115.297056	MUNICIPAL STORM DRAIN
SP2	REPRESENTATIVE POND DISCHARGE SAMPLING POINT 2	External Outfall		LAS VEGAS	NV	89117	CLARK	36.130397	-115.297056	MUNICIPAL STORM DRAIN
SUM	SUM OF DISCHARGE FLOW FROM OUTFALLS 001 TO 008	External Outfall		LAS VEGAS	NV	89117	CLARK	36.130397	-115.297056	MUNICIPAL STORM DRAIN

General:

Section Seven is a residential outfall community in west Las Vegas. The community is bordered on the south by Desert Inn Road and on the east by Fort Apache. Within the community are eight (8) ponds that provide for artistic water features and wildlife refuge. The ponds are not used for recreational purposes. Each pond contains approximately 375,000 gallons of water supplied by the City of Las Vegas municipal water source. The ponds do not receive any form of chemical treatment. Annually the ponds are partially drained to refresh the water. The discharge activity typically occurs over a 5-7 day period each year. In some cases

the ponds may be drained completely for repair or to remove sediments and debris. Sediment and debris are disposed of in accordance with local regulations.

Discharge Characteristics:

Water discharged from the ponds flows by curb and gutter to municipal storm drain inlets located at Fort Apache/Desert Inn Road, Ventana Hills/Desert Inn Road and/or Grand Canyon/Lake South. The requested flow for this discharge activity is 250,000 gallons per day. Representative water samples taken from the ponds, for expected pollutants, indicate this discharge activity will meet the Standards of Water Quality for the Las Vegas Wash per NAC 455A.2156.

Receiving Water:

The municipal storm drain in this area is tributary to Las Vegas Wash, and the standards set at the nearest downstream control point, "Las Vegas Wash at Telephone Road", NAC 445A.2156, apply. The total dissolved solids (TDS) standard is a single value standard of less than or equal to 1900 mg/L. The total inorganic nitrogen standard is a single value standard of less than or equal to 20 mg/L. For both TDS and inorganic nitrogen the standards are applied to 95% of all single value samples. In addition, Total Maximum Daily Loads (TMDLs) for the Las Vegas Wash have been established for phosphorus and ammonia.

Summary of Changes From Previous Permit:

This is a new permit.

Proposed Effluent Limitations:

The pond discharge must be conducted in accordance with the discharge limitations and the monitoring requirements listed below.

**Discharge Limitations Table for Sample Location Sp1 - Representative Pond Discharge Sample 1
(External Outfall) To Be Reported Annually**

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Daily Maximum	M&R Gallons per Day (gal/d)		Effluent Gross	SP1	Monthly When Discharging	METER
pH, minimum ^[1]	Daily Minimum		>= 6.5 Standard Units (SU)	Effluent Gross	SP1	Monthly When Discharging	DISCRT
pH, maximum ^[1]	Daily Maximum		<= 9.0 Standard Units (SU)	Effluent Gross	SP1	Monthly When Discharging	DISCRT
Solids, total suspended ^[1]	Daily Maximum		<= 135 Milligrams per Liter (mg/L)	Effluent Gross	SP1	Monthly When Discharging	DISCRT
Solids, total dissolved ^[2]	Daily Maximum		<= 1900 Milligrams per Liter (mg/L)	Effluent Gross	SP1	Monthly When Discharging	DISCRT
Chlorine, total residual	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	SP1	Monthly When Discharging	DISCRT
Nitrogen, inorganic total ^[2]	Daily Maximum		<= 20 Milligrams per Liter (mg/L)	Effluent Gross	SP1	Monthly When Discharging	DISCRT
Nitrogen, nitrate total (as N)	Daily Maximum		<= 100 Milligrams per Liter (mg/L)	Effluent Gross	SP1	Monthly When Discharging	DISCRT
Nitrogen, nitrite total (as N)	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	SP1	Monthly When Discharging	DISCRT
Coliform, fecal general	Daily Maximum		M&R Most Probable Number per 100ml T (MPN/100m L)	Effluent Gross	SP1	Monthly When Discharging	DISCRT
Ammonia nitrogen, total, (as N) 30 day ^[3]	Daily Maximum	<= 1 Pounds per Day (lb/d)		Effluent Gross	SP1	Monthly When Discharging	DISCRT
Phosphorus, total (as P) ^[3]	Daily Maximum	<= 1 Pounds per Day (lb/d)		Effluent Gross	SP1	Monthly When Discharging	DISCRT

Notes (Discharge Limitations Table):

1. Single Value Standard
2. 95% of all single Value samples must meet the concentration limit.
3. These limits have been considered de minimus and limits have been set at 1.0 lb/day accordingly.

**Discharge Limitations Table for Sample Location Sp2 - Representative Pond Discharge Sample 2
(External Outfall) To Be Reported Annually**

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
pH, maximum ^[1]	Daily Maximum		< 9.0 Standard Units (SU)	Effluent Gross	SP2	Monthly When Discharging	DISCRT
Solids, total suspended ^[1]	Daily Maximum		<= 135 Milligrams per Liter (mg/L)	Effluent Gross	SP2	Monthly When Discharging	DISCRT
Phosphorus, total (as P) ^[3]	Daily Maximum	<= 1 Pounds per Day (lb/d)		Effluent Gross	SP2	Monthly When Discharging	DISCRT
Flow rate	Daily Maximum	M&R Gallons per Day (gal/d)		Effluent Gross	SP2	Monthly When Discharging	METER
pH, minimum ^[1]	Daily Minimum		>= 6.5 Standard Units (SU)	Effluent Gross	SP2	Monthly When Discharging	DISCRT
Solids, total dissolved ^[2]	Daily Maximum		<= 1900 Milligrams per Liter (mg/L)	Effluent Gross	SP2	Monthly When Discharging	DISCRT
Chlorine, total residual	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	SP2	Monthly When Discharging	DISCRT
Nitrogen, inorganic total ^[2]	Daily Maximum		<= 20 Milligrams per Liter (mg/L)	Effluent Gross	SP2	Monthly When Discharging	DISCRT
Nitrogen, nitrate total (as N)	Daily Maximum		<= 100 Milligrams per Liter (mg/L)	Effluent Gross	SP2	Monthly When Discharging	DISCRT
Nitrogen, nitrite total (as N)	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	SP2	Monthly When Discharging	DISCRT
Coliform, fecal general	Daily Maximum		M&R Most Probable Number per 100ml T (MPN/100m L)	Effluent Gross	SP2	Monthly When Discharging	DISCRT
Ammonia nitrogen, total, (as N) 30 day ^[3]	Daily Maximum	<= 1 Pounds per Day (lb/d)		Effluent Gross	SP2	Monthly When Discharging	DISCRT

Notes (Discharge Limitations Table):

1. Single Value Standard
2. 95% of all Single Value samples must meet the concentration limit.
3. These parameters have been considered de minimus and limits have been set at 1.0 accordingly.

Discharge Limitations Table for Sample Location Sum - Calculated Sum Of Discharge Flow From Outfalls 001-008 (External Outfall) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow, total	Daily Maximum	<= 250000 Gallons (gal)		See Footnote ^[1]	SUM	Daily When Discharging	CALCTD [1]

Notes (Discharge Limitations Table):

- Flow total shall be calculated by adding the meter results from all outfall discharges conducted during that day's activity.

Rationale for Permit Requirements:

EPA regulations at 40 CFR § 122.41 (j)(1) state that samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. Discharges from the Section Seven Community ponds consist of municipal supplied potable water. Each of the ponds is materially similar in terms of their ornamental and wildlife uses, the expected discharge pollutant concentrations, and the effluent limitations applicable to the discharge. Therefore, NDEP has determined that representative sampling may be obtained without monitoring the discharge from all 8 outfalls (ponds) during the refreshing/turnover activity. NDEP believes it is reasonable to establish a monitoring limit that at least 20% of the outfalls must be sampled to obtain representative monitoring of the pond discharges.

The effluent limitations required in the above tables are based on the Standards of Water Quality set for Las Vegas Wash at Telephone Line Road NAC 445A.1523. The most restrictive beneficial uses identified for this segment of the Las Vegas Wash include livestock, aquatic life, non-contact use, and wildlife.

Total Residual Chlorine:

Total residual chlorine in the discharge effluent is expected to volatilize during travel through nearly 15 miles of storm drain and canal systems and therefore should not be an impact to Las Vegas Wash Standards.

Special Conditions:

SA – Special Approvals / Conditions Table

Item #	Description
1	During annual pond refreshing events, samples may be collected from two (2) pond discharge sampling points that are representative of the types of discharge, rather than from each of the eight (8) pond's point of discharge. If samples are collected from a representative point, the Permittee shall specify the Outfalls (ponds) being represented in the Annual Report narrative.

Flow:

Flow will be limited to a daily maximum of 250,000 gallons per day (GPD).

Corrective Action Sites:

There are no Bureau of Corrective Actions (BCA) remediation sites located within a one-mile radius of this discharge activity.

Wellhead Protection Program:

This discharge activity is not located within the 6,000 foot buffer zone for any Drinking Water Protection Area. The discharge activity is not located within an established wellhead capture zone.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit for review and approval two (2) copies of an Operations and Maintenance (O&M) Manual, compiled in accordance with the appropriate sections of Nevada Division of Environmental Protection (NDEP) guidance document WTS-2, "Minimum Information Required for an Operation and Maintenance Manual for a Wastewater Treatment Plant." The O&M Manual shall be prepared by a Nevada Registered Professional Engineer or a Division-approved qualified person. If prepared by a Nevada Registered Professional Engineer, the O&M shall be wet stamped.	9/1/2013

Deliverable Schedule:

DLV– Deliverable Schedule for Reports, Plans, and Other Submittals

Item #	Description	Interval	First Scheduled Due Date
1	Annual Report	Annually	1/28/2014

Procedures for Public Comment:

The Notice of the Division's intent to reissue a permit authorizing the facility to discharge to surface waters of the State of Nevada 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 until 5:00 P.M. **7/5/2013**, a period of 30 days following the date of the public notice. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator of EPA Region IX 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 determined to be appropriate. All public hearings must be conducted to accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.650.

Proposed Determination:

The Division has made the tentative determination to issue / re-issue the proposed 5-year permit.

Prepared by: **Michele Reid**

Date: **5/30/2013**

Title: **ES III**