



STATE OF NEVADA

Department of Conservation & Natural Resources

DIVISION OF ENVIRONMENTAL PROTECTION

Brian Sandoval, Governor

Leo M. Drozdoff, P.E., Director

Colleen Cripps, Ph.D., Administrator

FACTSHEET

(pursuant to NAC 445A.236)

Permittee Name: THE WALTERS GROUP - GOLF CLUB OF ILLINOIS, INC.
2030 EAST FLAMINGO ROAD, SUITE 290
LAS VEGAS, NV - 89122

Permit Number: NS0098000 - [New]

Location: ROYAL LINKS GOLF CLUB, CLARK
5995 EAST VEGAS VALLEY DRIVE, LAS VEGAS, NV - 89142
LATITUDE: 36.133612, LONGITUDE: -115.048316
TOWNSHIP: T21S, RANGE: R62E, SECTION: S9, S10

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	GOLF COURSE	Land Application Site		LAS VEGAS	NV	89142	CLARK	36.133612	-115.048310	GROUNDWATER
MW1	LINKS WEST	Monitoring Well		LAS VEGAS	NV	89142	CLARK	36.137036	-115.051983	GROUNDWATER
MW2	LINKS NORTH	Monitoring Well		LAS VEGAS	NV	89142	CLARK	36.139003	-115.047064	GROUNDWATER
MW3	LINKS EAST	Monitoring Well		LAS VEGAS	NV	89142	CLARK	36.137525	-115.040283	GROUNDWATER
MW4	LINKS SOUTH	Monitoring Well		LAS VEGAS	NV	89142	CLARK	36.1299	-115.045053	GROUNDWATER

General:

The Walters Group operates the Royal Links Golf Club, an 18-hole golf course located on 147.6 acres at 5995 Vegas Valley Drive, Las Vegas, Clark County, Nevada 89142, with sections of the course on both the north and south sides of Vegas Valley Drive. The City of Las Vegas Water Pollution Control Facility (CLVWPCF) supplies treated effluent to the golf course for irrigation of golf course turf and other landscaped areas. Irrigation using treated effluent is conducted in accordance with an Effluent Management Plan (EMP) submitted to, and approved by, the Nevada Division of Environmental Protection, Bureau of Water Pollution Control (BWPC).

Discharge Characteristics:

Water used for irrigation is tertiary-treated, nitrified, and disinfected wastewater from the CLVWPCF wastewater treatment facility (NAC 445A.276, Reuse Category B). Treated effluent delivered to the golf course is characterized as follows:

Average Discharge Characteristics (January 2007 – June 2012)

Parameter	30-Day Average	Permit Limit (30-Day Average)
Flow (MGD)	0.54	1.7
Fecal Coliform (CFU/100 ml)	0.62	2.2
Total Nitrogen (mg/L)	21.62	M&R

Receiving Water:

Treated effluent used for irrigation discharges to groundwater via percolation. Groundwater is reportedly encountered at approximately 15-20 feet below grade surface (bgs). Groundwater is reported to flow to the east-southeast toward the CLVWPCF facility and the Las Vegas Wash. For June, 2012, the average total dissolved solids concentration was 3260 mg/L, the average chloride concentration was 316 mg/L, and the average total nitrogen concentration was 7.14 mg/L.

Summary of Changes From Previous Permit:

The Permittee is no longer required to report the monthly total nitrogen applied, the yearly total nitrogen applied, or the annual nitrogen load, as the nitrogen balance is addressed in the Division-approved Effluent Management Plan (EMP), to which the Permittee must adhere (the total nitrogen in effluent reuse water is still reported).

Due to new permit naming conventions at NDEP, Bureau of Water Pollution Control, the permit ID has been changed from NEV98000 to NS0098000. This change does not reflect a change in the type of permit being issued. NEV and NS permits are for groundwater discharges to the State of Nevada. These are not to be confused with "NV" permits which are reserved for NPDES Permitting.

Proposed Effluent Limitations:

During the period beginning on the effective date of this permit and lasting until the permit expires, the Permittee is authorized to discharge reclaimed water from the City of Las Vegas Water Pollution Control Facility, Permit No. NS0098015, for irrigation at the Royal Links Golf Club golf course.

Groundwater Monitoring Wells Table for Sample Location Mw1 (Monitoring Well) To Be Reported Quarterly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	S a m p l e Type
Depth to water level ft below landsurface	Value	M&R Feet (ft)		Groundwater	MW1	Quarterly	DISCRT
Nitrogen, total	Value		M&R Milligrams per Liter (mg/L)	Groundwater	MW1	Quarterly	DISCRT
Solids, total dissolved	Value		M&R Milligrams per Liter (mg/L)	Groundwater	MW1	Quarterly	DISCRT
Chloride (as Cl)	Value		M&R Milligrams per Liter (mg/L)	Groundwater	MW1	Quarterly	DISCRT

Groundwater Monitoring Wells Table for Sample Location Mw2 (Monitoring Well) To Be Reported Quarterly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	S a m p l e Type
Depth to water level ft below landsurface	Value	M&R Feet (ft)		Groundwater	MW2	Quarterly	DISCRT
Nitrogen, total	Value		M&R Milligrams per Liter (mg/L)	Groundwater	MW2	Quarterly	DISCRT
Solids, total dissolved	Value		M&R Milligrams per Liter (mg/L)	Groundwater	MW2	Quarterly	DISCRT
Chloride (as Cl)	Value		M&R Milligrams per Liter (mg/L)	Groundwater	MW2	Quarterly	DISCRT

Groundwater Monitoring Wells Table for Sample Location Mw3 (Monitoring Well) To Be Reported Quarterly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	S a m p l e Type
Depth to water level ft below landsurface	Value	M&R Feet (ft)		Groundwater	MW3	Quarterly	DISCRT
Nitrogen, total	Value		M&R Milligrams per Liter (mg/L)	Groundwater	MW3	Quarterly	DISCRT
Solids, total dissolved	Value		M&R Milligrams per Liter (mg/L)	Groundwater	MW3	Quarterly	DISCRT
Chloride (as Cl)	Value		M&R Milligrams per Liter (mg/L)	Groundwater	MW3	Quarterly	DISCRT

Groundwater Monitoring Wells Table for Sample Location Mw4 (Monitoring Well) To Be Reported Quarterly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	S a m p l e Type
Depth of pond or reservoir in feet	Value	M&R Feet (ft)		Groundwater	MW4	Quarterly	DISCRT
Nitrogen, total	Value		M&R Milligrams per Liter (mg/L)	Groundwater	MW4	Quarterly	DISCRT
Solids, total dissolved	Value		M&R Milligrams per Liter (mg/L)	Groundwater	MW4	Quarterly	DISCRT
Chloride (as Cl)	Value		M&R Milligrams per Liter (mg/L)	Groundwater	MW4	Quarterly	DISCRT

Re-use Discharge Limitations Table for Sample Location 001 (Land Application Site) To Be Reported Monthly^[1]

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	30 Day Average	<= 1.50 Million Gallons per Day (Mgal/d)		Effluent Gross	001	Continuous	METER
Flow rate	Daily Maximum	<= 2 Million Gallons per Day (Mgal/d)		Effluent Gross	001	Continuous	METER
Coliform, fecal general	30 Day Average	<= 2.20 Colony Forming Units (CFU)		Effluent Gross	001	Weekly	DISCRT
Coliform, fecal general	Daily Maximum	<= 23 Colony Forming Units (CFU)		Effluent Gross	001	Weekly	DISCRT
Nitrogen, total	30 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Weekly	DISCRT
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Weekly	DISCRT

Notes (Re-use Discharge Limitations Table):

1. Sample results may be obtained from the City of Las Vegas Water Pollution Control Facility (permit NS0098015) and reported by the Permittee.

Fecal Coliform:

Fecal coliform concentrations meet Reuse Category B standards (NAC 445A.276).

Special Conditions:

SA – Special Approvals / Conditions Table

There are no Special Approval / Condition items

Flow:

Flow is limited to a 30-day average of 1.5 MGD and a daily maximum of 2.0 MGD.

Corrective Action Sites:

This facility is within one (1) mile of two (2) Bureau of Corrective Actions (BCA) remediation sites. The BCA does not expect the permitted discharge to have adverse effects on the corrective actions sites.

Wellhead Protection Program:

This site is not located within a drinking water protection area, nor is it located within a wellhead protection area.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	Two (2) copies of an updated EMP, prepared by a Nevada licensed professional engineer or other qualified person, shall be submitted to the Division for approval. If no changes have been made to the EMP since the last submittal, a letter shall be submitted stating so.	5/27/2013

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
2	Quarterly Reports	Quarterly	4/28/2013

Procedures for Public Comment:

The Notice of the Division's intent to reissue a permit authorizing the facility to discharge to groundwater 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. **2/21/2013**, 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: **Peter Lassaline**

Date: **10/11/2012**

Title: **Environmental Scientist**