



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: UICN REAL ESTATE HOLDINGS, INC.
1240 E STATE STREET, SUITE 115
PAHRUMP, NV - 89048

Permit Number: NS2005503

Location: THE PROPERTY, NYE
500 S. GLEN OAKS #01; MAIN POND PUMP HOUSE., PAHRUMP, NV - 89048
LATITUDE: 36.194478, LONGITUDE: -116.005067
TOWNSHIP: T20S, RANGE: R53E, SECTION: S22

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	EFFLUENT DISCHARGED INTO HOLDING PONDS	Land Application Site	002	PAHRUMP	NV	89048	NYE	36.197277	-11.004979	GROUNDWATER

General:

The Utilities Inc. of Central Nevada's (UICN) Wastewater Treatment Plant #3 (Plant #3, permit NS0089063) is supplying tertiary treated, denitrified, and disinfected effluent to the land previously known as the Willow Creek Golf Course, hereinafter referred to as "The Property". The Property will be authorized to use the effluent for reuse or storage in various ponds onsite, and may send the water to Lakeview Golf Course (NS2004518), or other sites approved by NDEP, for reuse or dispose of the effluent in new onsite Rapid Infiltration Basins (RIBs) at The Property.

Due to a change in ownership, UICN Real Estate Holdings is obtaining a discharge permit for reuse of the same treated effluent for storage and irrigation of The Property via spray irrigation of turf grasses, trees and other landscape plant materials. All reuse irrigation operations shall be conducted and operated in accordance with the current Effluent Management Plan (EMP) and the terms and conditions of the new permit. Existing use operations will continue under the current EMP for Willow Creek Golf Course until the new EMP is accepted by NDEP. The lakes/ponds at The Property provide a portion of winter effluent storage for UICN Plant #3 discharges.

Discharge Characteristics:

The applicant intends to continue using reuse water provided by Plant #3. UICN provides reclaimed water that meets Category B quality, per NAC 445A.276, and is denitrified below 10 mg/l of Nitrogen as N. The effluent storage lakes are interconnected and provide winter storage of Plant #3 effluent. The main storage lake (Pond #9) is also at times supplied with supplemental groundwater. The groundwater can be blended with effluent and supplied for irrigation when extra water is needed. Effluent from the storage ponds is also pumped over to the Lakeview Executive Golf Course (NS2004518) to supply water for irrigation reuse. Both properties supplement the treated effluent with groundwater.

Receiving Water:

Groundwater in the area is potable and averages about 100 feet below ground surface. The Permittee, in the Effluent Management Plan (EMP), shall ensure that the treated effluent is applied at the consumptive rate for nitrogen. No adverse effects to groundwater are expected to occur as a result of this effluent reuse.

Summary of Changes From Previous Permit:

No major changes to the facility are occurring. An additional pond will be constructed next to Pond #9 to receive effluent from Plant #3 while maintenance is performed on Pond #9, and two overflow ponds to the north of Pond #9 are going to be converted to RIBs.

In conformance with other permits of this type, Fecal Coliform monitoring has been changed to Monitor & Report.

In conformance with other permits of this type, Total Nitrogen monitoring has been added, and the limit is also Monitor & Report.

Due to a new permit naming convention at NDEP, Bureau of Water Pollution Control, the permit ID has been changed from NEV2005503 to NS2005503. This change does not reflect a change in the type of permit being issued. NEV and NS permits are for discharges to groundwater of the state of Nevada. These are not to be confused with NV permits, which are reserved for NPDES permitting.

Proposed Effluent Limitations:

Required parameters are monitored to ensure effluent reuse requirements are maintained per NAC 445A.275 and 445A.276.

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

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Nitrogen, total	Monthly Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Monthly	DISCRT
Nitrogen, total	Monthly Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Monthly	DISCRT
Coliform, fecal, colony forming units	Monthly Maximum		M&R Most Probable Number per 100ml T (MPN/100mL)	Effluent Gross	001	Monthly	DISCRT
Coliform, fecal, colony forming units	Monthly Average		M&R Most Probable Number per 100ml T (MPN/100mL)	Effluent Gross	001	Monthly	DISCRT
Flow rate	Daily Maximum	<= 1.50 Million Gallons per Day (Mgal/d)		Effluent Gross	001	Continuous	METER
Flow rate	30 Day Average	<= 1.50 Million Gallons per Day (Mgal/d)		Effluent Gross	001	Continuous	METER

Rationale for Permit Requirements:

Water quality parameters are monitored to ensure effluent reuse requirements in NAC 445A are maintained, and to ensure groundwaters of the state are protected.

Special Conditions:

SA – Special Approvals / Conditions Table

Item #	Description
1	<p>The EMP shall include details on how the Permittee's property will conform with the standards in NAC 445A.275 for using treated effluent, including:</p> <ul style="list-style-type: none"> - Posting signs along the outer perimeter or buffer zone, per NAC 445A.2752; - Not allowing effluent to run off the irrigation site, nor allowing spray irrigation to drift beyond the outer perimeter or buffer zone, per NAC 445A.2754, and; - Implementing a buffer zone, per NAC445A.2756, and implementing all requirements for Category B effluent, per NAC 445A.2764, including fencing around any ponds and RIBs receiving treated effluent.
2	<p>The Permittee may submit additional irrigation sites and pond locations to the Division for review and approval prior to construction. For additional irrigation sites and pond locations not on the Permittee's property, submittals to the Division shall include the end user name and be submitted within fourteen (14) days of completing a delivery agreement with a user of a proposed site. Delivery of treated effluent is prohibited until the proposed new site user has an active permit issued by the Division to receive and use treated effluent. The approval of additional irrigation sites will be processed as a Minor Modification of this permit.</p>
3	<p>The Permittee may continue operating under the current EMP for Willow Creek Golf Course until the new EMP has been submitted per SOC item #1.</p>
4	<p>Because this permit is for reuse, and no monitoring is performed by the Permittee onsite, section A.4.7. does not apply to this permit.</p>

Reasonable Potential Analysis and Antidegradation Review:

Effluent applied in accordance with the permit is not expected to degrade groundwaters of the state.

Flow:

The flow limit has been set at 1.5 million gallons per day.

Corrective Action Sites:

There are no Bureau of Corrective Actions sites within one mile of this facility.

Wellhead Protection Program:

The majority of the facility is within a 6,000-foot Drinking Water Protection Area (DWPA), with a small portion within a 3,000-foot DWPA, and a small portion outside of the 6,000-foot DWPA. The entire facility is outside of any Wellhead Protection Area. Effluent applied in accordance with the permit is not expected to negatively impact groundwater.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit two (2) copies of a new Effluent Management Plan (EMP) for review by the Division. The EMP shall be prepared by a Nevada-registered Professional Engineer.	6/6/2015
2	The Permittee shall submit a plan and schedule for repairing the existing holding pond, as well as constructing the new holding pond and Rapid Infiltration Basins (RIBs). The plans shall be prepared, signed, and stamped by a Nevada-registered Professional Engineer, using WTS-3 and WTS-37 as guidance.	6/6/2015

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly Report	Quarterly	7/28/2015
2	Annual Report	Annually	1/28/2016

Procedures for Public Comment:

The Notice of the Division's intent to issue 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 **Pahrump Valley Times, 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. **4/3/2015**, 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.605.

Proposed Determination:

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

Prepared by: **Robert Wimer**

Date: **3/2/2015**

Title: **E.I.**