



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: SILVER OAK DEVELOPMENT
3075 COLLEGE DR
CARSON CITY, NV - 89703

Permit Number: NS0094015

Location: SILVER OAK GOLF COURSE, CARSON CITY
1251 COUNTRY CLUB DRIVE, CARSON CITY, NV - 89703
LATITUDE: 39.191667, LONGITUDE: -119.766667
TOWNSHIP: T15N, RANGE: R20E, SECTION: S6

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	Internal Outfall		CARSON CITY	NV	89703	CARSON CITY	39.192696	-119.781965	GROUNDWATER
013	POND 13	Internal Outfall		CARSON CITY	NV	89703	CARSON CITY	39.181474	-119.781883	GROUNDWATER
018	POND 18	Internal Outfall		CARSON CITY	NV	89703	CARSON CITY	39.191178	-119.779826	GROUNDWATER
11N	POND 11 NORTH	Internal Outfall		CARSON CITY	NV	89703	CARSON CITY	39.186079	-119.778746	GROUNDWATER
11S	POND 11 SOUTH	Internal Outfall		CARSON CITY	NV	89703	CARSON CITY	39.184890	-119.778306	GROUNDWATER
15E	POND 15 EAST	Internal Outfall		CARSON CITY	NV	89703	CARSON CITY	39.184857	-119.781953	GROUNDWATER
15W	POND 15 WEST	Internal Outfall		CARSON CITY	NV	89703	CARSON CITY	39.184218	-119.780954	GROUNDWATER
SUM	EFFLUENT REUSE	External Outfall		CARSON CITY	NV	89703	CARSON CITY	39.19134310	-119.779008	GROUNDWATER
W01	MONITORING WELL 1	Monitoring Well		CARSON CITY	NV	89703	CARSON CITY	39.183156	-119.781573	GROUNDWATER
W02	MONITORING WELL 2	Monitoring Well		CARSON CITY	NV	89703	CARSON CITY	39.183529	-119.776802	GROUNDWATER
W03	MONITORING WELL 3	Monitoring Well		CARSON CITY	NV	89703	CARSON CITY	39.192239	-119.779020	GROUNDWATER
W04	MONITORING WELL 4	Monitoring Well		CARSON CITY	NV	89703	CARSON CITY	39.196750	-119.780638	GROUNDWATER
W05	MONITORING WELL 5	Monitoring Well		CARSON CITY	NV	89703	CARSON CITY	39.192522	-119.777808	GROUNDWATER
W07	MONITORING WELL 7	Monitoring Well		CARSON CITY	NV	89703	CARSON CITY	39.181926	-119.781312	GROUNDWATER
W08	MONITORING WELL 8	Monitoring Well		CARSON CITY	NV	89703	CARSON CITY	39.183932	-119.781202	GROUNDWATER
W09	MONITORING WELL 9	Monitoring Well		CARSON CITY	NV	89703	CARSON CITY	39.181326	-119.779138	GROUNDWATER
W10	MONITORING WELL 10	Monitoring Well		CARSON CITY	NV	89703	CARSON CITY	39.185262	-119.777240	GROUNDWATER
W11	MONITORING WELL 11	Monitoring Well		CARSON CITY	NV	89703	CARSON CITY	39.189886	-119.778291	GROUNDWATER
W12	MONITORING WELL 12	Monitoring Well		CARSON CITY	NV	89703	CARSON CITY	39.191412	-119.780952	GROUNDWATER
W13	MONITORING WELL 13	Monitoring Well		CARSON CITY	NV	89703	CARSON CITY	39.193977	-119.778185	GROUNDWATER
W14	MONITORING WELL 14	Monitoring Well		CARSON CITY	NV	89703	CARSON CITY	39.199070	-119.786304	GROUNDWATER

General:

Secondary treated, filtered and disinfected reclaimed water from the Carson City Wastewater Treatment Plant (CCWRF) (Permit NS0090008) is reused for landscape irrigation at the approximately 170 acre 18-hole Silver Oak Golf Course (SOGC) in Carson City, Nevada. Reclaimed water is used in accordance with the applicant's existing effluent management plan (EMP), which incorporates spray irrigation. The Permittee's EMP dictates reuse water to be applied for landscape irrigation at the consumptive rate, which means that nitrogen compounds are sufficiently used and consumed by natural, biological processes prior to contact with groundwater. Furthermore, specialized and tailored wellhead protection provisions are delineated in the permit to predict, attenuate, and abate potential impacts to groundwater resulting from the controlled reuse of reclaimed water.

Discharge Characteristics:

CCWRF provides secondary treated, disinfected effluent that meets Category B pathogen requirements in NAC 445A.276.

Receiving Water:

Shallow groundwater fluctuates between depths of approximately 20 feet to greater than 75 feet below ground surface (bgs) in the vicinity of the subject site. Fluctuations in water table around the SOGC are often exaggerated by seasonal variations in precipitation, snow pack, and drought, which directly affect aquifer characteristics in the foothills of the Sierra Nevada.

Groundwater is generally of good quality, containing relatively low total dissolved solids (TDS) and chloride concentrations. However, due to the historic presence of individual septic systems and heavy agricultural land uses, water quality extending eastward from the foothills may contain elevated nitrogen and TDS concentrations. Older communities still using septic systems to the west (presumably up gradient toward the foothills), northeast, and east of the SOGC may contribute a continuing source of nitrate to regional groundwater.

Summary of Changes From Previous Permit:

Biochemical Oxygen Demand, Total Suspended Solids, and pH effluent monitoring have been removed from this permit. These constituents are already monitored by CCWRF, and not of immediate concern to golf course operations. Therefore, there is no need for overlapping permit requirements between the two permits for these constituents.

Total Nitrate monitoring has been removed from the effluent limitations and the groundwater monitoring. Nitrate is included in the Total Nitrogen reporting, and thus is redundant.

The total nitrogen discharge limitation has been removed and replaced with monitor and report. The Permittee does not control the effluent quality.

The fecal coliform discharge limitation has been removed and replaced with monitor and report. The Permittee does not control the effluent quality.

Dissolved Oxygen (DO) monitoring has been added to each of the ponds onsite due to recent odor complaints. The Permittee is working with the Compliance branch to ensure there are no odor issues in the future. Ensuring there is DO in the ponds will reduce the chance of odor issues in the future.

Monitoring well sampling frequency has been increased from quarterly or annually to monthly for monitoring wells #7 and #12. These monitoring wells are showing elevated levels of nitrogen. Nitrogen reduction plans are included for these areas in the schedule of compliance of the proposed permit. After the nitrogen levels decrease to an acceptable level, the Permittee may request to have the sampling frequency for these wells reduced to quarterly.

Monitoring well #6 has been dry for the previous 5 years. Due to the number of monitoring wells throughout the facility, the Permittee has requested to abandon this monitoring well.

Due to A new permit naming convention at NDEP, Bureau of Water Pollution Control, the permit ID has been changed from NEV94015 to NS0094015. 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:

The following effluent limitations are set for this permit:

Groundwater Monitoring Wells Table for Sample Location W01 (Monitoring Well) To Be Reported Quarterly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Depth to water level ft below landsurface	Value	M&R Feet (ft)		Groundwater	W01	Quarterly	DISCRT
Water level relative to mean sea level	Value	M&R Feet (ft)		Groundwater	W01	Quarterly	DISCRT
Nitrogen, total	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W01	Quarterly	DISCRT
Solids, total dissolved	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W01	Quarterly	DISCRT

Groundwater Monitoring Wells Table for Sample Location W02 (Monitoring Well) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Depth to water level ft below landsurface	Value	M&R Feet (ft)		Groundwater	W02	Annual	DISCRT
Water level relative to mean sea level	Value	M&R Feet (ft)		Groundwater	W02	Annual	DISCRT
Nitrogen, total	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W02	Annual	DISCRT
Solids, total dissolved	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W02	Annual	DISCRT

Groundwater Monitoring Wells Table for Sample Location W03 (Monitoring Well) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Depth to water level ft below landsurface	Value	M&R Feet (ft)		Groundwater	W03	Annual	DISCRT
Water level relative to mean sea level	Value	M&R Feet (ft)		Groundwater	W03	Annual	DISCRT
Nitrogen, total	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W03	Annual	DISCRT
Solids, total dissolved	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W03	Annual	DISCRT

Groundwater Monitoring Wells Table for Sample Location W04 (Monitoring Well) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Depth to water level ft below landsurface	Value	M&R Feet (ft)		Groundwater	W04	Annual	DISCRT
Water level relative to mean sea level	Value	M&R Feet (ft)		Groundwater	W04	Annual	DISCRT
Nitrogen, total	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W04	Annual	DISCRT
Solids, total dissolved	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W04	Annual	DISCRT

Groundwater Monitoring Wells Table for Sample Location W05 (Monitoring Well) To Be Reported Quarterly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Depth to water level ft below landsurface	Value	M&R Feet (ft)		Groundwater	W05	Quarterly	DISCRT
Water level relative to mean sea level	Value	M&R Feet (ft)		Groundwater	W05	Quarterly	DISCRT
Nitrogen, total	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W05	Quarterly	DISCRT
Solids, total dissolved	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W05	Quarterly	DISCRT

Groundwater Monitoring Wells Table for Sample Location W07 (Monitoring Well) To Be Reported Monthly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Depth to water level ft below landsurface	Value	M&R Feet (ft)		Groundwater	W07	Monthly	DISCRT
Water level relative to mean sea level	Value	M&R Feet (ft)		Groundwater	W07	Monthly	DISCRT
Nitrogen, total	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W07	Monthly	DISCRT
Solids, total dissolved	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W07	Monthly	DISCRT

Groundwater Monitoring Wells Table for Sample Location W08 (Monitoring Well) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Solids, total dissolved	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W08	Annual	DISCRT
Depth to water level ft below landsurface	Value	M&R Feet (ft)		Groundwater	W08	Annual	DISCRT
Water level relative to mean sea level	Value	M&R Feet (ft)		Groundwater	W08	Annual	DISCRT
Nitrogen, total	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W08	Annual	DISCRT

Groundwater Monitoring Wells Table for Sample Location W09 (Monitoring Well) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Depth to water level ft below landsurface	Value	M&R Feet (ft)		Groundwater	W09	Annual	DISCRT
Water level relative to mean sea level	Value	M&R Feet (ft)		Groundwater	W09	Annual	DISCRT
Nitrogen, total	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W09	Annual	DISCRT
Solids, total dissolved	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W09	Annual	DISCRT

Groundwater Monitoring Wells Table for Sample Location W10 (Monitoring Well) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Depth to water level ft below landsurface	Value	M&R Feet (ft)		Groundwater	W10	Annual	DISCRT
Water level relative to mean sea level	Value	M&R Feet (ft)		Groundwater	W10	Annual	DISCRT
Nitrogen, total	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W10	Annual	DISCRT
Solids, total dissolved	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W10	Annual	DISCRT

Groundwater Monitoring Wells Table for Sample Location W11 (Monitoring Well) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Depth to water level ft below landsurface	Value	M&R Feet (ft)		Groundwater	W11	Annual	DISCRT
Water level relative to mean sea level	Value	M&R Feet (ft)		Groundwater	W11	Annual	DISCRT
Nitrogen, total	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W11	Annual	DISCRT
Solids, total dissolved	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W11	Annual	DISCRT

Groundwater Monitoring Wells Table for Sample Location W12 (Monitoring Well) To Be Reported Monthly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Depth to water level ft below landsurface	Value	M&R Feet (ft)		Groundwater	W12	Monthly	DISCRT
Water level relative to mean sea level	Value	M&R Feet (ft)		Groundwater	W12	Monthly	DISCRT
Nitrogen, total	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W12	Monthly	DISCRT
Solids, total dissolved	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W12	Monthly	DISCRT

Groundwater Monitoring Wells Table for Sample Location W13 (Monitoring Well) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Water level relative to mean sea level	Value	M&R Feet (ft)		Groundwater	W13	Annual	DISCRT
Nitrogen, total	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W13	Annual	DISCRT
Depth to water level ft below landsurface	Value	M&R Feet (ft)		Groundwater	W13	Annual	DISCRT
Solids, total dissolved	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W13	Annual	DISCRT

Groundwater Monitoring Wells Table for Sample Location W14 (Monitoring Well) To Be Reported Quarterly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Depth to water level ft below landsurface	Value	M&R Feet (ft)		Groundwater	W14	Quarterly	DISCRT
Water level relative to mean sea level	Value	M&R Feet (ft)		Groundwater	W14	Quarterly	DISCRT
Nitrogen, total	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W14	Quarterly	DISCRT
Solids, total dissolved	Value		M&R Milligrams per Liter (mg/L)	Groundwater	W14	Quarterly	DISCRT

Re-use Discharge Limitations Table for Sample Location Sum (External Outfall) To Be Reported Monthly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Daily Maximum	<= 2.0 Million Gallons per Day (Mgal/d) ^[1]		Prior to Reuse	SUM	Continuous	METER
Nitrogen, total ^[2]	Monthly Average		M&R Milligrams per Liter (mg/L)	Prior to Reuse	SUM	Monthly	DISCRT
Coliform, fecal, colony forming units ^[2]	Monthly Maximum		M&R Colony Forming Units per 100ml T (CFU/100mL)	Prior to Reuse	SUM	Weekly	DISCRT
Coliform, fecal, colony forming units ^[2]	Monthly Average		M&R Colony Forming Units per 100ml T (CFU/100mL)	Prior to Reuse	SUM	Weekly	DISCRT
Flow rate	Monthly Average	M&R Million Gallons per Day (Mgal/d) ^[1]		Prior to Reuse	SUM	Continuous	METER
Nitrogen, total ^[2]	Monthly Maximum		M&R Milligrams per Liter (mg/L)	Prior to Reuse	SUM	Monthly	DISCRT

Notes (Re-use Discharge Limitations Table):

1. Monthly application rates in the EMP should be used as a guide.
2. Sample results may be obtained from CCWRF (Permit NS0090008) and reported by the Permittee. Reclaimed water quality shall be in accordance with the limits set forth in Permit NS0090008.

Re-use Discharge Limitations Table for Sample Location Sum (External Outfall) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Nitrogen, total ^[1]	Annual Mass Loading ^[2]	M&R Pounds per Year (lb/yr) ^[2]		Beneficial Reuse	SUM	Annual	CALCTD

Notes (Re-use Discharge Limitations Table):

1. Annual nitrogen loading and use.
2. The total nitrogen applied (lbs/acre) shall not be greater than the total nitrogen uptake (lbs/acre). The calculations and/or monitoring shall include the total nitrogen in the applied wastewater (monitored by the treatment facility), total nitrogen from fertilizer applications, nitrogen uptake by crop, evapotranspiration rate, precipitation rate and fraction of applied nitrogen removed by denitrification and volatilization. An annual report shall be submitted on the fourth quarter of every year which demonstrates compliance with this limitation.

Ponds / Rapid Infiltration Basins for Sample Location 001 (Pond 1) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Oxygen, dissolved (DO)	Monthly Average		M&R Milligrams per Liter (mg/L)	Internal Monitoring Point	001	Monthly	DISCRT
Oxygen, dissolved (DO)	Monthly Minimum		M&R Milligrams per Liter (mg/L)	Internal Monitoring Point	001	Monthly	DISCRT

Ponds / Rapid Infiltration Basins for Sample Location 013 (Pond 13) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Oxygen, dissolved (DO)	Monthly Average		M&R Milligrams per Liter (mg/L)	Internal Monitoring Point	013	Monthly	DISCRT
Oxygen, dissolved (DO)	Monthly Minimum		M&R Milligrams per Liter (mg/L)	Internal Monitoring Point	013	Monthly	DISCRT

Ponds / Rapid Infiltration Basins for Sample Location 018 (Pond 18) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Oxygen, dissolved (DO)	Monthly Average		M&R Milligrams per Liter (mg/L)	Internal Monitoring Point	018	Monthly	DISCRT
Oxygen, dissolved (DO)	Monthly Minimum		M&R Milligrams per Liter (mg/L)	Internal Monitoring Point	018	Monthly	DISCRT

Ponds / Rapid Infiltration Basins for Sample Location 11N (Pond 11 North) To Be Reported Monthly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Oxygen, dissolved (DO)	Monthly Average		M&R Milligrams per Liter (mg/L)	Internal Monitoring Point	11N	Monthly	DISCRT
Oxygen, dissolved (DO)	Monthly Minimum		M&R Milligrams per Liter (mg/L)	Internal Monitoring Point	11N	Monthly	DISCRT

Ponds / Rapid Infiltration Basins for Sample Location 11S (Pond 11 South) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Oxygen, dissolved (DO)	Monthly Average		M&R Milligrams per Liter (mg/L)	Internal Monitoring Point	11S	Monthly	DISCRT
Oxygen, dissolved (DO)	Monthly Minimum		M&R Milligrams per Liter (mg/L)	Internal Monitoring Point	11S	Monthly	DISCRT

Ponds / Rapid Infiltration Basins for Sample Location 15E (Pond 15 East) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Oxygen, dissolved (DO)	Monthly Average		M&R Milligrams per Liter (mg/L)	Internal Monitoring Point	15E	Monthly	DISCRT
Oxygen, dissolved (DO)	Monthly Minimum		M&R Milligrams per Liter (mg/L)	Internal Monitoring Point	15E	Monthly	DISCRT

Ponds / Rapid Infiltration Basins for Sample Location 15W (Pond 15 West) To Be Reported Monthly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Oxygen, dissolved (DO)	Monthly Average		M&R Milligrams per Liter (mg/L)	Internal Monitoring Point	15W	Monthly	DISCRT
Oxygen, dissolved (DO)	Monthly Minimum		M&R Milligrams per Liter (mg/L)	Internal Monitoring Point	15W	Monthly	DISCRT

Rationale for Permit Requirements:

Required water quality parameters are monitored to ensure effluent reuse requirements are maintained per NAC 445A and groundwaters of the State are protected.

Special Conditions:

SA – Special Approvals / Conditions Table

There are no Special Approval / Condition items

Reasonable Potential Analysis and Antidegradation Review:

Effluent applied in accordance with the approved EMP and the proposed permit should not degrade groundwater of the State.

Flow:

Flow limit has been set to 2.0 million gallons per day.

Corrective Action Sites:

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

Wellhead Protection Program:

W01 nitrogen levels have decreased from ~23 mg/L to ~13 mg/L from the 2nd quarter of 2013 through the 4th quarter of 2013. W01 is located 110 feet from CCW46. Possible nitrogen sources for W01 and W07 (south of CCW46) are still under investigation.

Nitrogen levels in W12 have also been decreasing from the 2nd quarter of 2013 through the 4th quarter of 2013. The Permittee will be required to determine the source of the elevated nitrogen levels in this well.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	Within 60 days of permit issuance, the Permittee shall submit two (2) copies of an updated Effluent Management Plan (EMP) for review and approval by the Division. The EMP shall be prepared by a Nevada Registered Professional Engineer. If no updates or revisions are required, the Permittee shall submit a letter by the due date stating that there have been no changes to the previously approved EMP.	12/1/2014
2	The Permittee shall submit to the Division for review and approval a plan for determining the cause of the elevated nitrogen levels in monitoring well #12. This plan shall include a plan to inspect the liner of the Irrigation Pond between Hole 1 and Hole 18.	1/5/2015
3	The Permittee shall submit to the Division for review and approval a plan for determining the cause of the elevated nitrogen levels in monitoring wells #1 and #7.	1/5/2015
4	The Permittee shall submit to the Division for review and approval a plan for closing monitoring well #6.	1/5/2015

Deliverable Schedule:

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

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

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 **Nevada Appeal, Reno Gazette 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. **9/29/2014**, 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: **8/26/2014**

Title: **E.I.**