FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: ASIAN PACIFIC GROUP LLC
1000 LONG DR
CARSON CITY, NV - 89705

Permit Number: NS0096008

Location: SUNRIDGE GOLF CLUB, DOUGLAS
1000 LONG DRIVE, CARSON CITY, NV - 89705
LATITUDE: 39.405760, LONGITUDE: -119.4610
TOWNSHIP: 14 N, RANGE: 20 E, SECTION: 7,8,17& 18

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	RECLAIMED WATER	Land Application Site		CARSON CITY	NV	89705	DOUGLAS	39.405769	-119.4610	GROUNDWATER
002	MONITORING WELL - MW1	Monitoring Well		CARSON CITY	NV	89705	DOUGLAS	39.504175	-119.4522	GROUNDWATER
003	MONITORING WELL - MW2	Monitoring Well		CARSON CITY	NV	89705	DOUGLAS	39.503680	-119.4536	GROUNDWATER
004	MONITORING WELL - MW3	Monitoring Well		CARSON CITY	NV	89705	DOUGLAS	39.502365	-119.4547	GROUNDWATER
005	MONITORING WELL - MW4	Monitoring Well		CARSON CITY	NV	89705	DOUGLAS	39.501271	-119.4551	GROUNDWATER
006	MONITORING WELL - MW5	Monitoring Well		CARSON CITY	NV	89705	DOUGLAS	39.405753	-119.46	GROUNDWATER
007	MONITORING WELL - MW6	Monitoring Well		CARSON CITY	NV	89705	DOUGLAS	39.405007	-119.4660	GROUNDWATER
008	MONITORING WELL - MW7	Monitoring Well		CARSON CITY	NV	89705	DOUGLAS	39.404114	-119.4680	GROUNDWATER
009	MONITORING WELL - MW8	Monitoring Well		CARSON CITY	NV	89705	DOUGLAS	39.403130	-119.4614	GROUNDWATER
010	MONITORING WELL - MW9	Monitoring Well		CARSON CITY	NV	89705	DOUGLAS	39.405359	-119.4616	GROUNDWATER
011	MONITORING WELL - MW10	Monitoring Well		CARSON CITY	NV	89705	DOUGLAS	39.501172	-119.4610	GROUNDWATER

General:
The Permittee, Asian Pacific Group LLC, has applied for the renewal of permit NS0096008 for the Sunridge Golf Club, an 18-hole course located in Douglas County, Nevada. The golf course and common areas are irrigated with reclaimed water supplied by the Indian Hills General Improvement District Wastewater Treatment Facility (IHGID WWTF - Permit NS0080039) and supplemented with groundwater from several sources. Sunridge Golf Club's golf course and common areas cover approximately 138 acres; irrigation is via spray and drip. The Sunridge Golf Club's golf course is authorized to use 0.86 million gallons per day (MGD) per the IHGID WWTF permit.

Discharge Characteristics:
The IHGID WWTF supplies tertiary treated and denitrified effluent water that meets Category B quality standards per NAC 445A.276.

Receiving Water:

Groundwater in the area is approximately 5 feet to 30 feet below ground surface. State drinking water standard exceedances for iron, sulfate, and sodium are generally observed due to geothermal warm spring waters along the fault zone on which the golf course is constructed. No adverse effects are expected to occur as a result of this effluent reuse. Groundwater monitoring is required to ensure that groundwater downgradient and east of the fault zone is not degraded by this application.

Summary of Changes From Previous Permit:

Effluent limitations for TDS, BOD_5, Total Nitrogen, and pH have been removed as these parameters are reported by the IHGID WWTF.

The irrigation flow has been changed from 0.35 MGD for the 30-day average to monitor and report and the monthly maximum has been changed to a daily maximum of less than or equal to 0.86 MGD.

The requirement to submit a Nitrogen Balance has been removed as this is part of the Effluent Management Plan.

Historical groundwater quality data for monitoring wells 1 through 10 have been relatively consistent; therefore, the requirement to report the monitoring well data on a semi-annual basis has been changed to once a year.

The pH limit for all monitoring wells has been changed from a minimum of 6 Standard Units (SU) and a maximum of 9 SU to monitor and report.

Due to the new naming conventions at the Nevada Division of Environmental Protection, Bureau of Water Pollution Control (BWPC), the permit number has been changed from NEV96008 to NS0096008. This change does not reflect a change in the type of permit being issued.

The BWPC Nevada NetDMR system is a web-based site that allows for electronic submission of Discharge Monitoring Reports (DMRs). Nevada NetDMR enables the permittee the ability to enter and electronically submit DMR data. By using Nevada NetDMR, permittees will save time, see a reduction in paperwork burden, and data will automatically be error-checked and validated prior to submission. The system also allows for electronic submittal of attachments and supplemental documentation and provides instant confirmation of submission.

Proposed Effluent Limitations:

The discharge shall be limited, sampled, and monitored by the Permittee as specified below:

Groundwater Monitoring Wells Table for Sample Location 002 (Monitoring Well - Mw1) To Be Reported Annually

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Water level relative to mean sea level[2]	Maximum	M&R Feet (ft)		Groundwater	002	Annual[3]	DISCRT
Depth to water level ft below landsurface[1]	Maximum	M&R Feet (ft)		Groundwater	002	Annual[3]	DISCRT
Chloride (as Cl)	Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	002	Annual[3]	DISCRT
Nitrogen, total	Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater	002	Annual[3]	DISCRT
pH	Value		M&R Standard Units (SU)	Groundwater	002	Annual[3]	DISCRT
Solids, total dissolved	Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	002	Annual[3]	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Depth to groundwater.
2. Groundwater Elevation.
3. Groundwater shall be sampled and analyzed during the third quarter of each year.

Groundwater Monitoring Wells Table for Sample Location 003 (Monitoring Well - Mw2) To Be Reported Annually

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Water level relative to mean sea level[2]	Maximum	M&R Feet (ft)		Groundwater	003	Annual[3]	DISCRT
Depth to water level ft below landsurface[1]	Maximum	M&R Feet (ft)		Groundwater	003	Annual[3]	DISCRT
Chloride (as Cl)	Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	003	Annual[3]	DISCRT
Nitrogen, total	Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater	003	Annual[3]	DISCRT
pH	Value		M&R Standard Units (SU)	Groundwater	003	Annual[3]	DISCRT
Solids, total dissolved	Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	003	Annual[3]	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Depth to groundwater.
2. Groundwater elevation.
3. Groundwater shall be sampled and analyzed during the third quarter of each year.

Groundwater Monitoring Wells Table for Sample Location 004 (Monitoring Well - Mw3) To Be Reported Annually

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Water level relative to mean sea level[1]	Maximum	M&R Feet (ft)		Groundwater	004	Annual[3]	DISCRT
Depth to water level ft below landsurface[2]	Maximum	M&R Feet (ft)		Groundwater	004	Annual[3]	DISCRT
Chloride (as Cl)	Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	004	Annual[3]	DISCRT
Nitrogen, total	Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater	004	Annual[3]	DISCRT
pH	Value		M&R Standard Units (SU)	Groundwater	004	Annual[3]	DISCRT
Solids, total dissolved	Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	004	Annual[3]	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Groundwater elevation.
2. Depth to groundwater.
3. Groundwater shall be sampled and analyzed during the third quarter of each year.

Groundwater Monitoring Wells Table for Sample Location 005 (Monitoring Well - Mw4) To Be Reported Annually

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Water level relative to mean sea level[1]	Maximum	M&R Feet (ft)		Groundwater	005	Annual[3]	DISCRT
Depth to water level ft below landsurface[2]	Maximum	M&R Feet (ft)		Groundwater	005	Annual[3]	DISCRT
Chloride (as Cl)	Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	005	Annual[3]	DISCRT
Nitrogen, total	Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater	005	Annual[3]	DISCRT
pH	Value		M&R Standard Units (SU)	Groundwater	005	Annual[3]	DISCRT
Solids, total dissolved	Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	005	Annual[3]	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Groundwater elevation.
2. Depth to groundwater.
3. Groundwater shall be sampled and analyzed during the third quarter of each year.

Groundwater Monitoring Wells Table for Sample Location 006 (Monitoring Well - Mw5) To Be Reported Annually

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Water level relative to mean sea level[1]	Maximum	M&R Feet (ft)		Groundwater	006	Annual[3]	DISCRT
Depth to water level ft below landsurface[2]	Maximum	M&R Feet (ft)		Groundwater	006	Annual[3]	DISCRT
Chloride (as Cl)	Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	006	Annual[3]	DISCRT
pH	Value		M&R Standard Units (SU)	Groundwater	006	Annual[3]	DISCRT
Nitrogen, total	Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater	006	Annual[3]	DISCRT
Solids, total dissolved	Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	006	Annual[3]	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Groundwater elevation.
2. Depth to groundwater.
3. Groundwater shall be sampled and analyzed during the third quarter of each year.

Groundwater Monitoring Wells Table for Sample Location 007 (Monitoring Well - Mw6) To Be Reported Annually

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Water level relative to mean sea level[1]	Maximum	M&R Feet (ft)		Groundwater	007	Annual[3]	DISCRT
Depth to water level ft below landsurface[2]	Maximum	M&R Feet (ft)		Groundwater	007	Annual[3]	DISCRT
Solids, total dissolved	Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	007	Annual[3]	DISCRT
Chloride (as Cl)	Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	007	Annual[3]	DISCRT
Nitrogen, total	Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater	007	Annual[3]	DISCRT
pH	Value		M&R Standard Units (SU)	Groundwater	007	Annual[3]	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Groundwater elevation.
2. Depth to groundwater.
3. Groundwater shall be sampled and analyzed during the third quarter of each year.

Groundwater Monitoring Wells Table for Sample Location 008 (Monitoring Well - Mw7) To Be Reported Annually

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Water level relative to mean sea level[1]	Maximum	M&R Feet (ft)		Groundwater	008	Annual[3]	DISCRT
Depth to water level ft below landsurface[2]	Maximum	M&R Feet (ft)		Groundwater	008	Annual[3]	DISCRT
Chloride (as Cl)	Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	008	Annual[3]	DISCRT
Nitrogen, total	Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater	008	Annual[3]	DISCRT
pH	Value		M&R Standard Units (SU)	Groundwater	008	Annual[3]	DISCRT
Solids, total dissolved	Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	008	Annual[3]	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Groundwater elevation.
2. Depth to groundwater.
3. Groundwater shall be sampled and analyzed during the third quarter of each year.

Groundwater Monitoring Wells Table for Sample Location 009 (Monitoring Well - Mw8) To Be Reported Annually

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Water level relative to mean sea level[1]	Maximum	M&R Feet (ft)		Groundwater	009	Annual[3]	DISCRT
Depth to water level ft below landsurface[2]	Maximum	M&R Feet (ft)		Groundwater	009	Annual[3]	DISCRT
Chloride (as Cl)	Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	009	Annual[3]	DISCRT
Nitrogen, total	Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater	009	Annual[3]	DISCRT
pH	Value		M&R Standard Units (SU)	Groundwater	009	Annual[3]	DISCRT
Solids, total dissolved	Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	009	Annual[3]	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Groundwater elevation.
2. Depth to groundwater.
3. Groundwater shall be sampled and analyzed during the third quarter of each year.

Groundwater Monitoring Wells Table for Sample Location 010 (Monitoring Well - Mw9) To Be Reported Annually

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Water level relative to mean sea level[1]	Maximum	M&R Feet (ft)		Groundwater	010	Annual[3]	DISCRT
Depth to water level ft below landsurface[2]	Maximum	M&R Feet (ft)		Groundwater	010	Annual[3]	DISCRT
Chloride (as Cl)	Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	010	Annual[3]	DISCRT
Nitrogen, total	Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater	010	Annual[3]	DISCRT
pH	Value		M&R Standard Units (SU)	Groundwater	010	Annual[3]	DISCRT
Solids, total dissolved	Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	010	Annual[3]	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Groundwater elevation.
2. Depth to groundwater.
3. Groundwater shall be sampled and analyzed during the third quarter of each year.

Groundwater Monitoring Wells Table for Sample Location 011 (Monitoring Well - Mw10) To Be Reported Annually

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Water level relative to mean sea level[1]	Maximum	M&R Feet (ft)		Groundwater	011	Annual[3]	DISCRT
Depth to water level ft below landsurface[2]	Maximum	M&R Feet (ft)		Groundwater	011	Annual[3]	DISCRT
Solids, total dissolved	Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	011	Annual[3]	DISCRT
Chloride (as Cl)	Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	011	Annual[3]	DISCRT
Nitrogen, total	Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater	011	Annual[3]	DISCRT
pH	Value		M&R Standard Units (SU)	Groundwater	011	Annual[3]	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Groundwater elevation.
2. Depth to groundwater.
3. Groundwater shall be sampled and analyzed during the third quarter of each year.

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

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate[1]	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Irrigation	001	Continuous	METER
Flow rate[1]	Daily Maximum	<= 0.86 Million Gallons per Day (Mgal/d)		Prior to Irrigation	001	Continuous	METER
Coliform, fecal general[2]	Daily Maximum		<= 23 Most Probable Number per 100ml T (MPN/100mL)	Prior to Irrigation	001	Monthly	DISCRT
Coliform, fecal general[2]	30 Day Average Geometric		<= 2.2 Most Probable Number per 100ml T (MPN/100mL)	Prior to Irrigation	001	Monthly	DISCRT

Notes (Re-use Discharge Limitations Table):

1. Monthly application rates in the EMP should be used as a guide.
2. Sample results shall be obtained from NS0080039 and reported by the Permittee.

Rationale for Permit Requirements:

Reclaimed water monitoring is required to assess the level of treatment being provided by the IHGID WWTF, to assess the quality of recycled water usage and to protect the local groundwater quality. Monitoring Fecal Coliform assesses the quality of reclaimed water being applied, for the protection of human health and the environment.

Fecal Coliform:

2.2 MPN/100 mL - 30-Day Geometric Mean.

23 MPN/100 mL - Daily Max.

Special Conditions:

Substantial compliance with the current permit is a condition of permit renewal.

SA – Special Approvals / Conditions Table

There are no Special Approval / Condition items

Flow:

The permitted daily maximum flow is 0.86 MGD.

Corrective Action Sites:

There are no Bureau of Corrective Action remediation sites located within a one-mile radius of the application area.

Wellhead Protection Program:

This facility is located within a 6000ft radius Drinking Water Protection Area. This facility is not located in a Wellhead Protection area.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit a revised Effluent Management Plan (EMP), for NDEP's review, that has been wet-stamped by a Nevada Professional Engineer in following the requirements listed in Guidance Document WTS-1B: General Criteria for Preparing an Effluent Management Plan. If there are minor revisions (e.g. number of acres irrigated or contact changes), the Permittee shall submit the changes in writing to NDEP. If there are no changes, the Permittee shall submit a letter stating there are no changes.	1/28/2017
2	All Discharge Monitoring Reports (DMRs) shall be submitted electronically through the Nevada NetDMR website: https://netdmr.ndep.nv.gov/netdmr/public/home.htm.	10/1/2017

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly DMRs	Quarterly	1/28/2017
2	Annual DMRs	Annually	1/28/2017
3	Annual Report	Annually	1/28/2017

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 **Reno Gazette Journal and The Record Courier** 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. **9/12/2016** , 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: **Bonnie Hartley**
Date: **8/3/2016**
Title: **Environmental Scientist**