



**FACTSHEET**  
**(pursuant to NAC 445A.236)**

**Permittee Name:** LEADERSHIP POSSIBILITIES INTERNATIONAL, LLC  
5715 SANDHILL RD. SUITE A  
LAS VEGAS, NV - 89120

**Permit Number:** NS0097014

**Location:** RAPPORT EXECUTIVE RETREAT, LINCOLN  
1 JFDI WAY, ALAMO, NV - 89001  
LATITUDE: 37.3875, LONGITUDE: -115.1750  
TOWNSHIP: 6 S, RANGE: 61 E, SECTION: 31, 32

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	INFLUENT	Internal Outfall		ALAMO	NV	89001	LINCOLN	37.3875	-115.1750	GROUNDWATER
002	EFFLUENT	External Outfall		ALAMO	NV	89001	LINCOLN	37.3875	-115.1750	GROUNDWATER
003	MONITORING WELL	Monitoring Well		ALAMO	NV	89001	LINCOLN	37.3875	-115.1750	GROUNDWATER

**General:**

The Permittee operates Rapport Executive Retreat (Rapport) on a 70-acre ranch, located approximately 1.5 miles northwest of Alamo in Lincoln County. The main building complex includes facilities for conferences (meeting rooms), food preparation, and 18 guest rooms (4 persons/room). Domestic (sanitary) wastewater from the facility is treated on-site in a 15,000 gallon per day (gpd) capacity Santec Corporation package treatment plant. The package plant's treatment capacity was sized to handle the sanitary wastewater needs of up to 160 guests and employees. The treatment plant is installed below-grade, similar to a traditional septic tank.

The Permittee discharges Category D treated effluent to irrigate approximately 1 acre of pasture grass, which is harvested for livestock feed (no grazing). The facility maintains backup reuse capabilities for subsurface irrigation on approximately ¼ acre of turf grass located in the conference center parking area.

**Discharge Characteristics:**

The Permittee discharges to groundwaters of the State. Water quality results from 2015 showed the following:

Flow: Flows averaged less than 1,000 gpd, which is far below the permitted limit of 15,000 gpd. These low flows greatly affect the ability of the plant's treatment efficiency.

Biochemical Oxygen Demand : BOD values usually were below the permitted limit of 45 mg/L. Values ranged from <4.0 mg/L to 62 mg/L.

Total Suspended Solids: TSS values ranged from 19 mg/L to 125 mg/L. The permitted limit is 45 mg/L.

Total Nitrogen: TN values during 2015 exceeded the permitted limit of 10 mg/L. The treatment plant is

discharging about 0.06 pounds of nitrogen/day, which is far below the plant capacity of 1.25 pounds/day.

pH: pH values were all between the permitted values of 6.0 and 9.0 standard units.

Fecal Coliform: Fecal values were all below the maximum of 400 colony forming units (CFU)/100 mL, except for two months when the values were 1,600 cfu/100 mL and 2,420 cfu/100 mL.

#### **Receiving Water:**

The receiving water are groundwaters of the State. The monitoring well shows that the groundwater has not been impacted based upon the TN values that are below 1.0 mg/L. Groundwater at the site is relatively shallow with a static water level of 27 feet below ground surface.

#### **Summary of Changes From Previous Permit:**

The following changes have been made in this permit:

The permit naming conventions at the Nevada Division of Environmental Protection (NDEP), Bureau of Water Pollution Control changed the permit number from NEV97014 to NS0097014. This change does not reflect a change in the type of permit being issued.

The total nitrogen limit has been changed from 10 mg/L to an average loading value of 1.25 pounds per day. The reason for this change is that the small, intermittent flows from the training facility make it difficult to run an efficient treatment plant that will remove enough total nitrogen to meet the permitted limit. Based upon current flows of less than 1,000 gpd, the amount of nitrogen discharged to the ground will be approximately 0.08 pounds per day which the root system of the grass will uptake. Using this limit should eliminate the monthly exceedances that are reported on the DMRs.

Flows will now be measured by calculating the pump discharge capacity times the pump run times. The meter has had problems and does not provide accurate flow readings. Using this new method will not change the total flows reported in the DMRs.

#### **Proposed Effluent Limitations:**

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

**WWTP Discharge Limitations Table for Sample Location 001 (Internal Outfall) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Solids, total suspended	Monthly Maximum		M&R Milligrams per Liter (mg/L)	Raw Sewage Influent	001	Monthly	DISCRT
BOD, 5-day	Monthly Maximum		M&R Milligrams per Liter (mg/L)	Raw Sewage Influent	001	Monthly	DISCRT

### Groundwater Monitoring Wells Table for Sample Location 003 (Monitoring Well) To Be Reported Quarterly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Nitrogen, total	Quarterly Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater	003	Quarterly	DISCRT
Chloride (as Cl)	Quarterly Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	003	Quarterly	DISCRT
Solids, total dissolved	Quarterly Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	003	Quarterly	DISCRT
Depth to water level ft below landsurface	Quarterly Maximum	M&R Feet (ft)		Groundwater	003	Quarterly	VISUAL

## Re-use Discharge Limitations Table for Sample Location 002 (External Outfall) To Be Reported Monthly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Coliform, fecal general	Monthly Maximum		<= 400 Colony Forming Units per 100ml T (CFU/100mL) <sup>[1]</sup>	Prior to Irrigation	002	Monthly	DISCRT
Coliform, fecal general	Monthly Average		<= 200 Colony Forming Units per 100ml T (CFU/100mL) <sup>[1]</sup>	Prior to Irrigation	002	Monthly	DISCRT
Nitrogen, total	Monthly Maximum	<= 1.25 Pounds per Day (lb/d)		Prior to Irrigation	002	Monthly	CALCTD
Solids, total suspended	Monthly Maximum		<= 45 Milligrams per Liter (mg/L)	Prior to Irrigation	002	Monthly	DISCRT
BOD, 5-day	Monthly Maximum		<= 45 Milligrams per Liter (mg/L)	Prior to Irrigation	002	Monthly	DISCRT
Flow rate	Daily Maximum	<= .015 Million Gallons per Day (Mgal/d)		Prior to Irrigation	002	Continuous	CALCTD <sup>[2]</sup>
Flow rate	30 Day Average	<= .015 Million Gallons per Day (Mgal/d)		Prior to Irrigation	002	Continuous	CALCTD <sup>[2]</sup>
pH, maximum	Monthly Maximum		<= 9 Standard Units (SU)	Prior to Irrigation	002	Monthly	DISCRT
pH, minimum	Monthly Minimum		>= 6 Standard Units (SU)	Prior to Irrigation	002	Monthly	DISCRT

### Notes (Re-use Discharge Limitations Table):

1. CFU or MPN/100 ml.
2. The flow rate shall be calculated using the pump capacity times the number of minutes run each day.

### Rationale for Permit Requirements:

Monitoring is required to ensure that groundwaters of the State of Nevada are not degraded. Monitoring is also required to assess the level of treatment being provided, and to determine compliance with discharge permit limits. The Permittee is in substantial compliance with the permit.

**Fecal Coliform:**

200 CFU or MPN/100 mL - 30-day average

400 CFU or MPN/100 mL - Monthly maximum

**Special Conditions:**

## SA – Special Approvals / Conditions Table

There are no Special Approval / Condition items
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**Flow:**

0.015 MGD - Monthly average and maximum flows

**Corrective Action Sites:**

There are no Bureau of Corrective Actions remediation sites located within a one-mile radius of the facility.

**Wellhead Protection Program:**

Upon review of the 2005 Source Water Program Public Water System Assessment Report, it has been determined that "This discharge does occur within a source water protection area; however, this discharge is down-gradient and will not adversely affect source water."

**Schedule of Compliance:**

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit two copies of an updated Operations and Maintenance (O&M) Manual to NDEP's Bureau of Water Pollution Control's (BWPC) Technical, Compliance and Enforcement Branch for review. The manual shall be prepared in accordance with BWPC's WTS-2 guidance document: <i>Minimum Information Required for an Operations and Maintenance Manual</i> . If no revisions are needed, the Permittee shall submit a letter stating that the O&M Manual has no revisions.	4/1/2017
2	The Permittee shall submit two copies of the updated Effluent Management Plan (EMP) to NDEP's Bureau of Water Pollution Control's (BWPC) Technical, Compliance and Enforcement Branch for review and approval. The submitted EMP shall address any changes in operation procedures or equipment used at the permitted facility. The EMP shall be prepared and wet-stamped 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.	4/1/2017

**Deliverable Schedule:**

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly DMRs	Quarterly	4/28/2017
2	Annual Report	Annually	1/28/2018

**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 **Lincoln County Record and 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. **11/18/2016**, 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: **Steve McGoff, P.E.**

Date: **10/10/2016**

Title: **Professional Engineer**