



FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: WESTERN ELITE, INC
2745 N. NELLIS BLVD
LAS VEGAS, NV - 89110

Permit Number: NS2011508

Location: WESTERN ELITE CLASS III INDUSTRIAL SOLID WASTE DISPOSAL SITE,
LINCOLN
US HIGHWAY 93 - MILE MARKER 8 - LINCOLN COUNTY, NV, LAS VEGAS, NV
- 89001
LATITUDE: 36.968640, LONGITUDE: -114.989167
TOWNSHIP: 11 S, RANGE: 62 E, SECTION: 25

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	EVAPORATION POND A	External Outfall		LAS VEGAS	NV	89110	LINCOLN	36.968640	-114.979167	WATERS OF THE STATE
002	EVAPORATION POND B	External Outfall		LAS VEGAS	NV	89110	LINCOLN	36.968640	-114.979167	WATERS OF THE STATE
003	SUM POND A AND POND B FLOW RATE	External Outfall		LAS VEGAS	NV	89119	LINCOLN	36.968640	-114.979167	WATERS OF THE STATE
OW1	OW-1	Monitoring Well	OW-1	LAS VEGAS	NV	89110	LINCOLN	36.968640	-114.979167	WATERS OF THE STATE
OW2	OW-2	Monitoring Well	OW-2	LAS VEGAS	NV	89110	LINCOLN	36.968640	-114.979167	WATERS OF THE STATE
OW3	OW-3	Monitoring Well	OW-3	LAS VEGAS	NV	89110	LINCOLN	36.968640	-114.979167	WATERS OF THE STATE
OW4	OW-4	Monitoring Well	OW-4	LAS VEGAS	NV	89110	LINCOLN	36.968640	-114.979167	WATERS OF THE STATE
OW5	OW-5	Monitoring Well	OW-5	LAS VEGAS	NV	89110	LINCOLN	36.968640	-114.979167	WATERS OF THE STATE
OW6	OW-6	Monitoring Well	OW-6	LAS VEGAS	NV	89110	LINCOLN	36.968640	-114.979167	WATERS OF THE STATE
OW7	OW-7R	Monitoring Well	OW-7R	LAS VEGAS	NV	89110	LINCOLN	36.968640	-114.979167	WATERS OF THE STATE

General:

Western Elite currently operates a Class III industrial solid waste disposal site under a Nevada Division of Environmental Protection (NDEP) Bureau of Waste Management, Solid Waste Branch permit (SW-277). The site is located in southern Lincoln County approximately 65 miles north of Las Vegas and 30 miles south of Alamo. The site is comprised of approximately 83 acres. Current waste acceptance for this site includes construction and demolition wastes, automobile shredder residue, waste tires, industrial wash water sump and grease trap wastes, asbestos, water treatment plant solids/biosolids, and pulp and paper solids.

Western Elite has constructed two evaporation ponds for the acceptance of non-hazardous industrial wash water. Industrial wash water will be transported to the facility and discharged into the ponds via tanker trucks. The liquids will be evaporated and any residual solids will be disposed of in the adjacent Western Elite permitted landfill according to the BSW permitted guidelines. The ponds receive the liquids in a batch delivery method rather than continuous flow basis.

The ponds are located adjacent to but outside of the active landfill footprint. Each pond has a surface dimension of 150-feet by 150-feet (0.52 acres) with a depth of approximately 12 feet. The combined working volume of the ponds is approximately 1.7 million gallons. The pond design utilizes a double liner system with a 60-mil high density polyethylene (HDPE) upper geo-membrane, a 40-mil HDPE lower geo-membrane and an interstitial Leak Collection and Recovery System (LCRS) for groundwater protection.

This permit, NS2011508, does not regulate activities performed by the Permittee within the Western Elite Class III Industrial Solid Waste Disposal managed areas.

Discharge Characteristics:

Liquid waste received at the Western Elite evaporation ponds must be approved in accordance with the Operations and Maintenance (O&M) Manual procedures for profiling and waste acceptance. Prior to issuing approval to process non-hazardous industrial wash water, analytical testing of the water stream is performed at the generator's expense to determine whether the mixture is hazardous or not. Records of these profiling analytical results will be kept by the Permittee in accordance with the records management practices described in the Division reviewed O&M Manual. The Permittee is considered to be in substantial compliance with the current permit conditions.

Receiving Water:

The engineered evaporation ponds, as constructed and when operated and maintained properly, prevent discharges to groundwater of the State. Groundwater elevations within the limits of the facility range from approximately 43 to 63 feet below ground surface. The groundwater flow is reported to be east-southeast.

Summary of Changes From Previous Permit:

Due to a new Permit naming convention at NDEP, Bureau of Water Pollution Control, the permit ID has been changed from NEV2011508 to NS2011508. 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.

The requirement to monitor and report on the leak detection system for the ponds has been added to this permit.

The requirement to monitor and report available freeboard in the ponds has been added to this permit.

The requirement to submit annually a copy of the monitoring well report submitted to Bureau of Waste Management, Solid Waste permit SW-277 has been added to this permit to ensure degradation of groundwater from the ponds does not occur.

Based on the batch liquid acceptance rather than continuous flow, the requirement to monitor the ponds quarterly for Profile I has been changed to semi-annual. Flow rate, liner leakage rate, freeboard and pH will be reported quarterly.

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 accept and manage industrial wash water as part of a lined pond evaporation facility. The permittee shall be required to monitor Ponds A and B as indicated below.

Ponds / Rapid Infiltration Basins for Sample Location 001 (Evaporation Pond A) To Be Reported Quarterly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Internal Monitoring Point ^[1]	001	Once Per Batch	CALCTD
Flow rate	Quarterly Average	M&R Million Gallons per Day (Mgal/d)		Internal Monitoring Point ^[1]	001	Once Per Batch	CALCTD
Liner Leakage Rate	Daily Maximum	<= 500 Gallons per Acre per Day (gal/acre/d)		Internal Monitoring Point ^[2]	001	Weekly	CALCTD
Freeboard	Daily Minimum		>= 2.0 Feet (ft)	Internal Monitoring Point ^[3]	001	Quarterly	VISUAL
pH	Value		M&R Standard Units (SU)	Effluent Gross	001	Quarterly	DISCRT

Notes (Ponds / Rapid Infiltration Basins):

1. Truck receiving station.
2. Leak collection and recovery system (LCRS) sump.
3. Sidewall gauge marker in the pond.

Ponds / Rapid Infiltration Basins for Sample Location 001 (External Outfall) To Be Reported Semi Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Chromium, total (as Cr)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Copper, total (as Cu)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Fluoride, total (as F)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Zinc, total (as Zn)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Alkalinity, total (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Iron, total (as Fe)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Lead, total (as Pb)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Magnesium, total (as Mg)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Manganese, total (as Mn)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Mercury, total (as Hg)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
			M&R				

Ponds / Rapid Infiltration Basins for Sample Location 001 (External Outfall) To Be Reported Semi Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Nickel, total (as Ni)	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Potassium, total (as K)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Selenium, total (as Se)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Silver, total (as Ag)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Sodium, total (as Na)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Sulfate, total (as SO ₄)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Thallium, total (as Tl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Aluminum, total (as Al)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Antimony, total (as Sb)	Daily Maximum		M&R Milligrams per Liter	Effluent Gross	001	Semiannual	DISCRT

Ponds / Rapid Infiltration Basins for Sample Location 001 (External Outfall) To Be Reported Semi Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
			(mg/L)				
Arsenic, total (as As)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Barium, total (as Ba)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Beryllium, total (as Be)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Cadmium, total (as Cd)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Calcium, total (as Ca)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT
Hydrocarbons, total petroleum ^[1]	Daily Maximum		<= 1.0 Milligrams per Liter (mg/L)	Effluent Gross	001	Semiannual	DISCRT

Notes (Ponds / Rapid Infiltration Basins):

1. Refer to Parts A.4.1 and A.4.8 of the permit for Sampling and Test Procedures.

Ponds / Rapid Infiltration Basins for Sample Location 002 (Evaporation Pond B) To Be Reported Quarterly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
pH	Value		M&R Standard Units (SU)	Internal Monitoring Point	002	Quarterly	DISCRT
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Internal Monitoring Point ^[1]	002	Once Per Batch	CALCTD
Liner Leakage Rate	Daily Maximum	<= 500 Gallons per Acre per Day (gal/acre/d)		Internal Monitoring Point ^[2]	002	Weekly	CALCTD
Freeboard	Daily Minimum		>= 2.0 Feet (ft)	Internal Monitoring Point ^[3]	002	Quarterly	VISUAL
Flow rate	Quarterly Average	M&R Million Gallons per Day (Mgal/d)		Internal Monitoring Point ^[1]	002	Once Per Batch	CALCTD

Notes (Ponds / Rapid Infiltration Basins):

1. Truck receiving station.
2. Leak collection and recovery system (LCRS) sump.
3. Sidewall guage marker in pond.

Ponds / Rapid Infiltration Basins for Sample Location 002 (External Outfall) To Be Reported Semi Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Alkalinity, total (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Mercury, total (as Hg)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Nickel, total (as Ni)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Potassium, total (as K)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Selenium, total (as Se)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Silver, total (as Ag)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Sodium, total (as Na)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Sulfate, total (as SO ₄)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Thallium, total (as Tl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
			M&R				

Ponds / Rapid Infiltration Basins for Sample Location 002 (External Outfall) To Be Reported Semi Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Solids, total dissolved	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Zinc, total (as Zn)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Hydrocarbons, total petroleum ^[1]	Daily Maximum		<= 1.0 Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Aluminum, total (as Al)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Antimony, total (as Sb)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Barium, total (as Ba)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Beryllium, total (as Be)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Cadmium, total (as Cd)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Calcium, total (as Ca)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Chromium, total (as Cr)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Copper, total (as Cu)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Fluoride, total (as F)	Daily Maximum		M&R Milligrams per Liter	Effluent Gross	002	Semiannual	DISCRT

Ponds / Rapid Infiltration Basins for Sample Location 002 (External Outfall) To Be Reported Semi Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
			(mg/L)				
Iron, total (as Fe)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Lead, total (as Pb)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Magnesium, total (as Mg)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Manganese, total (as Mn)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT
Arsenic, total (as As)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual	DISCRT

Notes (Ponds / Rapid Infiltration Basins):

1. Refer to Part A.4.1 and A.4.8 of the permit for Sampling and Test Procedures.

Ponds / Rapid Infiltration Basins for Sample Location 003 (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	<= 0.2490 Million Gallons per Day (Mgal/d)		Internal Monitoring Point ^[1]	003	Once Per Batch	CALCTD
Flow rate	30 Day Average	<= 0.0558 Million Gallons per Day (Mgal/d)		Internal Monitoring Point	003	Once Per Batch	CALCTD

Notes (Ponds / Rapid Infiltration Basins):

- 1. Truck receiving station.

Rationale for Permit Requirements:

Flow and Leak Detection: Acceptance of industrial wash water and volumes of water collected from the leak detection system are monitored so that potential leakage can be quickly discovered and remedied to maintain pond integrity.

Freeboard: Quarterly monitoring is conducted to ensure storage capacity is not exceeded and that freeboard requirements are maintained.

pH: Sampled quarterly to provide additional information on pond supernatant quality should a catastrophic leak or spill occur.

Total Petroleum Hydrocarbons (TPH): The limit of 1.0 is based on Bureau of Corrective Action remediation standards.

Profile I Analysis: Sampled semi-annually to keep NDEP and the Permittee apprised of the quality and composition of the fluids stored in the ponds.

Special Conditions:

SA – Special Approvals / Conditions Table

Item #	Description
1	The Permittee shall submit to NDEP Bureau of Water Pollution Control, with each 4th Quarter Annual Report, a copy of the groundwater monitoring well report prepared for Bureau of Waste Management (BWM), Solid Waste Branch for Permit SW-277.
2	Section A.2.2 - Effluent samples and measurements taken in compliance with the monitoring requirements of this permit pertain only to the Evaporation Ponds A and B. Monitoring well samples are being conducted in accordance with the Facility's Solid Waste Branch permit - SW-277 and results will be submitted to the Bureau of Water Pollution Control with the 4th quarter Annual Report.
3	Section B.PB.7.2 - Western Elite will measure pond depth by conducting a visual inspection of the depth markings provided on the sidewall of each pond and report quarterly.

Flow:

The ponds receive liquids in a batch delivery method rather than continuous flow basis. The requested flow for the ponds is 0.2490 million gallons per day (MGD) for the daily max and 0.0558 MGD for a 30-day average.

Corrective Action Sites:

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

Wellhead Protection Program:

The Western Elite Class III landfill is approximately 30 miles from the nearest inhabited dwelling and place of public gathering. This facility is not within a Drinking Water Protection Area (DWPA) and Wellhead Protection Areas (WHPAs) have not been established in this area.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	Within sixty (60) days of the permit issuance the Permittee shall submit for review two (2) copies of an updated Operations & Maintenance (O&M) Manual. The O&M Manual shall be prepared in accordance with the Division's WTS-2 Guidance: Minimum Information Required for an Operations and Maintenance Manual.	3/1/2016

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly DMRs	Quarterly	4/28/2016
2	Semi-Annual DMRs	Semi Annually	7/28/2016
3	Annual Report	Annually	1/28/2017
4	Copy of Permit SW-277 groundwater monitoring well 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 **Las Vegas Review Journal, Lincoln County Record** 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. **11/4/2015**, 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: **Michele Reid**

Date: **9/24/2015**

Title: **Staff II Associate Engineer**