FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: CITY OF HENDERSON
240 WATER STREET
HENDERSON, NV - 89015

Permit Number: NV0022098

Location: KURT R. SEGLER WATER RECLAMATION FACILITY, CLARK
450 E. GALLERIA BLDG. C, HENDERSON, NV - 89011
LATITUDE: 36.087222, LONGITUDE: -114.986944
TOWNSHIP: T21S, RANGE: R62E, SECTION: S36

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	PABCO ROAD DISCHARGE	External Outfall		HENDERSON	NV	89011	CLARK	36.087222	-114.986944	LAS VEGAS WASH
002	SWRF DISCHARGE	External Outfall		HENDERSON	NV	89074	CLARK	36.025556	-115.102778	LAS VEGS WASH
INF	INFLUENT	Influent Structure		HENDERSON	NV	89074	CLARK	36.087222	-114.986944	NA

General:

The Permittee has applied for a National Pollutant Discharge Elimination System (NPDES) permit renewal to extend the authorization to discharge to the Las Vegas Wash. The discharge is from the 40 million gallons per day (MGD) Kurt R. Segler Water Reclamation Facility (KRSWRF) located at 450 East Galleria, Henderson, NV 89011, and the 8-MGD Southwest Water Reclamation Facility (SWRF) located at 2610 St. Rose Parkway, Henderson, NV.

The KRSWRF treats all wastewater to reclaimed water specifications, whether the discharge is to the Las Vegas Wash or to reclaimed water customers (regulated by a groundwater discharge permit NS0080003).

Preliminary treatment at the KRSWRF consists of fine screens and grit removal. Activated sludge in aeration basins achieves BOD removal and nitrification of ammonia. Biological nutrient removal (BNR) cells were designed and installed in a plant expansion completed in 2008. The BNR cells achieve phosphorus removal and nitrogen reduction on the full plant flow. Secondary phosphorus removal to polish the BNR effluent is also available through chemical coagulation and precipitation in solids contact clarifiers or lamella plate settlers. Sand filtration follows through either monomedia or continuous backwash filters. This facility also provides ultraviolet disinfection, while still having the capability of using hypochlorination if necessary. Sludge removed from the activated sludge process is dewatered for final disposal in a landfill.

The SWRF has a capacity of 8 MGD and is also covered in this permit. The SWRF produces reclaimed

water that is used for irrigation and in an emergency can be discharged to the Las Vegas Wash. Treatment at the plant consists of bar and band screens, grit removal, activated sludge with biological nutrient removal, membrane bio-reactors, and ultraviolet light for secondary disinfection. Odor control is used throughout the plant. Sludge from the plant is returned to the sanitary sewers and treated at the main plant.

Reclaimed water is hypochlorinated for distribution to the City's reclaimed water customers. Reclaimed water from the SWRF is regulated under a state groundwater discharge permit. Effluent that is not needed for irrigation is transmitted via pipeline to the KRSWRF described above for discharge to Las Vegas Wash. If necessary, however, the SWRF may discharge up to 8 MGD of fully treated effluent from Outfall 002 through the storm-sewer system to Las Vegas Wash.

The majority of the flow into the plants is domestic wastewater.

There is a small percentage of flow from industry in the service area and there is a pretreatment program which regularly samples the effluent from the industrial dischargers. The pretreatment program is authorized through the United States Environmental Protection Agency (USEPA). The proposed permit is based on a completed permit application submitted by the Permittee, plant monitoring data and ambient water quality data.

Discharge Characteristics:

The long-term average discharges from the KRSWRF have the following characteristics:

Flow (12.75 MGD); Uninhibited BOD5 (<2 mg/L); pH (6.6-7.8 SU); Chlorine Residual (<0.1 mg/L); Total Dissolved Solids (TDS) (1,158 mg/L); Total Suspended Solids (TSS) (<3 mg/L); Ammonia as N (<0.1 mg/L); Nitrate as N (13.50 mg/L); Total Kjeldahl Nitrogen (<2 mg/L); Phosphorus as P (0.14 mg/L); Orthophosphate as P (0.08 mg/L); Dissolved Oxygen (7.35 mg/L); Fecal Coliforms (<4 MPN/100 ml).

Because there have been no discharges from the Southwest Water Reclamation Facility, there are no long-term averages to provide.

Receiving Water:

The receiving water is the Las Vegas Wash. Pursuant to NAC 445A.2156, the designated beneficial uses for the appropriate reach of the Las Vegas Wash are:

Irrigation

Watering of livestock

Recreation not involving contact with the water

Maintenance of a freshwater marsh

Propagation of wildlife

Propagation of aquatic life, excluding fish. This does not preclude the establishment of a fishery.

Summary of Changes From Previous Permit:

There are no significant changes from the previous permit.

Proposed Effluent Limitations:

The Permittee is required to meet the following permit limits.

Note:

The load limits are calculated using the 30-day average flow and the permit limit is expressed as a concentration. If higher flows are allowed in future permits, the load limits will increase accordingly.

Discharge Limitations Table for Sample Location 001 (External Outfall) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
pH, minimum[2]	Minimum 7 Day Average		>= 6.5 Standard Units (SU)[2]	Effluent Gross	001	Daily	DISCRT
pH, maximum[2]	Maximum 7 Day Average		<= 9 Standard Units (SU)[2]	Effluent Gross	001	Daily	DISCRT
pH, minimum[2]	Monthly Average Minimum		>= 6.5 Standard Units (SU)[2]	Effluent Gross	001	Daily	DISCRT
pH, maximum[2]	Maximum Monthly Average		<= 9 Standard Units (SU)[2]	Effluent Gross	001	Daily	DISCRT
Coliform, fecal general	90th Percentile[1]		<= 400 Most Probable Number per 100ml T (MPN/100mL)	Effluent Gross	001	Daily	DISCRT
Flow rate	7 Day Average	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	001	Continuous	METER
Flow rate	30 Day Average	<= 40 Million Gallons per Day (Mgal/d)		Effluent Gross	001	Continuous	METER
Coliform, fecal general	Logarithmic Mean[6]		<= 200 Most Probable Number per 100ml T (MPN/100mL)[1]	Effluent Gross	001	Daily	DISCRT
BOD, 5-day, 20 deg. C	7 Day Average		<= 45 Milligrams per Liter (mg/L)	Effluent Gross	001	Daily	COMPOS
Solids, suspended percent removal	Monthly Average Minimum	>= 85 Percent (%)		Effluent Gross	001	Monthly	CALCTD
Solids, total suspended	7 Day Average		<= 45 Milligrams per Liter (mg/L)	Effluent Gross	001	Daily	COMPOS
Solids, total suspended	30 Day Average	<= 10008 Pounds per Day (lb/d)	<= 30 Milligrams per Liter (mg/L)	Effluent Gross	001	Daily	COMPOS

Discharge Limitations Table for Sample Location 001 (External Outfall) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
BOD, 5-day, percent removal	Monthly Average Minimum	>= 85 Percent (%)		Effluent Gross	001	Monthly	CALCTD
BOD, 5-day, 20 deg. C	30 Day Average	<= 10008 Pounds per Day (lb/d)	<= 30 Milligrams per Liter (mg/L)	Effluent Gross	001	Daily	COMPOS
Phosphorus, total (as P)[3]	7 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Daily	COMPOS
Phosphorus, total (as P)[3]	30 Day Average	M&R Pounds per Day (lb/d)	M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Daily	COMPOS
Nitrogen, Kjeldahl, total (as N)	7 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Weekly	COMPOS
Nitrogen, Kjeldahl, total (as N)	30 Day Average	M&R Pounds per Day (lb/d)	M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Weekly	COMPOS
Nitrite plus nitrate total 1 det. (as N)	7 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Weekly	COMPOS
Nitrite plus nitrate total 1 det. (as N)	30 Day Average	M&R Pounds per Day (lb/d)	M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Weekly	COMPOS
Phosphate, ortho (as P)	7 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Daily	COMPOS
Phosphate, ortho (as P)	30 Day Average	M&R Pounds per Day (lb/d)	M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Daily	COMPOS
Oxygen, dissolved (DO)	7 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Weekly	DISCRT
Oxygen, dissolved (DO)	30 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Weekly	DISCRT
Temperature, water deg. centigrade	7 Day Average		M&R Degrees Centigrade (deg C)	Effluent Gross	001	Weekly	DISCRT
Temperature, water deg. centigrade	30 Day Average		M&R Degrees Centigrade (deg C)	Effluent Gross	001	Weekly	DISCRT
Solids, total dissolved[5]	7 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Weekly	COMPOS
		M&R					

Discharge Limitations Table for Sample Location 001 (External Outfall) To Be Reported Monthly

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Solids, total dissolved[5]	30 Day Average	Pounds per Day (lb/d)	M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Weekly	COMPOS
Nitrogen, inorganic total[4]	7 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Weekly	COMPOS
Nitrogen, inorganic total[4]	30 Day Average	M&R Pounds per Day (lb/d)	M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Weekly	COMPOS
Nitrogen, ammonia total (as N)[3]	7 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Daily	COMPOS
Nitrogen, ammonia total (as N)[3]	30 Day Average	M&R Pounds per Day (lb/d)	M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Daily	COMPOS
Chlorine, total residual	7 Day Average		<= .1 Milligrams per Liter (mg/L)[2]	Effluent Gross	001	Daily	DISCRT

Notes (Discharge Limitations Table):

1. The discharge shall not exceed a log mean of 200 cfu or mpn per 100 ml over a 30 day period nor may more than 10 percent of the total samples taken exceed 400 cfu or mpn per 100 ml.
2. Except as allowed under section B.CH.
3. See Part B.WLA and Special Approvals/Conditions Table.
4. See Special Approvals/Conditions Table.
5. See section B.SC.
6. Monthly Log Mean

Discharge Limitations Table for Sample Location 001 (External Outfall) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
2-Methyl-4,6-dinitrophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
2-Chlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
2,4-Dinitrophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
2,4-Dimethylphenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
2,4-Dichlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
2,4,6-Trichlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Toxaphene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
PCB-1260	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
PCB-1254	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
PCB-1248	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
PCB-1242	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
			M&R				

Discharge Limitations Table for Sample Location 001 (External Outfall) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
PCB-1232	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
PCB-1221	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
PCB-1016	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Heptachlor epoxide	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Heptachlor	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
.gamma.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Endrin aldehyde	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Endrin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Endosulfan sulfate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Dieldrin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
.delta.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Chlordane (tech mix. and metabolites)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS

Discharge Limitations Table for Sample Location 001 (External Outfall) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
.beta.-Endosulfan	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
.beta.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
.alpha.-Endosulfan	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
.alpha.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Aldrin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
4,4-DDT	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
4,4-DDE	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
4,4-DDD	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Vinyl chloride	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
Trichloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
Toluene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
			M&R				

Discharge Limitations Table for Sample Location 001 (External Outfall) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Tetrachloroethylene	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
Methylene chloride	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
Methyl chloride (Chloromethane)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
Methyl bromide (Bromomethane)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
Ethylbenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
Dichlorobromomethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
Dibromochloromethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
Chloroform	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
Chloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
Chlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
Carbon tetrachloride	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
Bromoform	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT

Discharge Limitations Table for Sample Location 001 (External Outfall) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Benzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
Acrylonitrile	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
Acrolein	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
2-Chloroethyl vinyl ether, (mixed)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
1,3-Dichloropropene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
trans-1,2-Dichloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
Bis(2-chloroethyl) ether	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Bis(2-chloroethoxy)methane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Benzo(k)fluoranthene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Benzo(ghi)perylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Benzo(b)fluoranthene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
			M&R				

Discharge Limitations Table for Sample Location 001 (External Outfall) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Benzo(a)pyrene	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Benzo(a)anthracene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Benzidine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Anthracene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Acenaphthylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Acenaphthene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
4-Chlorophenyl phenyl ether	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
4-Bromophenyl phenyl ether	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
3,3-Dichlorobenzidine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
2-Chloronaphthalene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
2,6-Dinitrotoluene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
2,4-Dinitrotoluene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS

Discharge Limitations Table for Sample Location 001 (External Outfall) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
1,4-Dichlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
1,3-Dichlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
1,2-Diphenylhydrazine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
1,2-Dichlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
1,2,4-Trichlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Cyanide, total (as CN)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
Asbestos	Daily Maximum		M&R Fibers per Milliliter (Fib/mL)	Effluent Gross	001	Quarterly	COMPOS
2,3,7,8-Tetrachlorodibenzo-p-dioxin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Zinc, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	COMPOS
Thallium, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	COMPOS
Silver total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	COMPOS
Selenium, total recoverable	Daily Maximum		M&R Milligrams per Liter	Effluent Gross	001	Quarterly	COMPOS

Discharge Limitations Table for Sample Location 001 (External Outfall) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
			(mg/L)				
Nickel, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	COMPOS
Mercury, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	COMPOS
Lead, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	COMPOS
Copper, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	COMPOS
Chromium, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	COMPOS
Cadmium, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	COMPOS
Beryllium, total recoverable (as Be)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	COMPOS
Arsenic, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	COMPOS
Antimony, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	COMPOS
Phenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Pentachlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
			M&R				

Discharge Limitations Table for Sample Location 001 (External Outfall) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
4-Nitrophenol	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
4-Chloro-3-methylphenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
2-Nitrophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
1,2-Dichloropropane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
1,2-Dichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
1,1-Dichloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
1,1-Dichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
1,1,2-Trichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
1,1,2,2-Tetrachloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
1,1,1-Trichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
Pyrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Phenanthrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS

Discharge Limitations Table for Sample Location 001 (External Outfall) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
N-Nitrosodiphenylamine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
N-Nitrosodi-N-propylamine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
N-Nitrosodimethylamine (NDMA)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Nitrobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Naphthalene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Isophorone	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Indeno(1,2,3-cd)pyrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Hexachloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Hexachlorocyclopentadiene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Hexachlorobutadiene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Hexachlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
			M&R				

Discharge Limitations Table for Sample Location 001 (External Outfall) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Fluorene	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Fluoranthene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Di-n-octyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Di-n-butyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Dimethyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Diethyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Dibenzo(a,h)anthracene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Chrysene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Butyl benzyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Bis(2-ethylhexyl) phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS
Bis(2-chloroisopropyl) ether	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	COMPOS

Discharge Limitations Table for Sample Location 002 (External Outfall) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	7 Day Average	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	002	Continuous	METER
Flow rate	30 Day Average	<= 8 Million Gallons per Day (Mgal/d)		Effluent Gross	002	Continuous	METER
Solids, suspended percent removal	Monthly Average Minimum	>= 85 Percent (%)		Effluent Gross	002	Monthly	CALCTD
BOD, 5-day, percent removal	Monthly Average Minimum	>= 85 Percent (%)		Effluent Gross	002	Monthly	CALCTD
Coliform, fecal general	Logarithmic Mean[6]		<= 200 Most Probable Number per 100ml T (MPN/100mL)	Effluent Gross	002	Daily	DISCRT
Solids, total suspended	7 Day Average		<= 45 Milligrams per Liter (mg/L)	Effluent Gross	002	Daily	COMPOS
Solids, total suspended	30 Day Average	<= 2002 Pounds per Day (lb/d)	<= 30 Milligrams per Liter (mg/L)	Effluent Gross	002	Daily	COMPOS
BOD, 5-day, 20 deg. C	7 Day Average		<= 45 Milligrams per Liter (mg/L)	Effluent Gross	002	Daily	COMPOS
BOD, 5-day, 20 deg. C	30 Day Average	<= 2002 Pounds per Day (lb/d)	<= 30 Milligrams per Liter (mg/L)	Effluent Gross	002	Daily	COMPOS
Nitrogen, Kjeldahl, total (as N)	7 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Weekly	COMPOS
Nitrogen, Kjeldahl, total (as N)	30 Day Average	M&R Pounds per Day (lb/d)	M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Weekly	COMPOS
Nitrite plus nitrate total 1 det. (as N)	7 Day Average	M&R Pounds per Day (lb/d)	M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Weekly	COMPOS

Discharge Limitations Table for Sample Location 002 (External Outfall) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Nitrite plus nitrate total 1 det. (as N)	30 Day Average	M&R Pounds per Day (lb/d)	M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Weekly	COMPOS
Phosphate, ortho (as P)	7 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Daily	COMPOS
Phosphate, ortho (as P)	30 Day Average	M&R Pounds per Day (lb/d)	M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Daily	COMPOS
Temperature, water deg. centigrade	7 Day Average		M&R Degrees Centigrade (deg C)	Effluent Gross	002	Daily	DISCRT
Temperature, water deg. centigrade	30 Day Average		M&R Degrees Centigrade (deg C)	Effluent Gross	002	Daily	DISCRT
Solids, total dissolved[5]	7 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Weekly	COMPOS
Nitrogen, ammonia total (as N)[3]	7 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Daily	COMPOS
Nitrogen, ammonia total (as N)[3]	30 Day Average	M&R Pounds per Day (lb/d)	M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Daily	COMPOS
Phosphorus, total (as P)[3]	30 Day Average	M&R Pounds per Day (lb/d)	M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Daily	COMPOS
Chlorine, total residual[2]	7 Day Average		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	002	Daily	DISCRT
Solids, total dissolved[5]	30 Day Average	M&R Pounds per Day (lb/d)	M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Weekly	COMPOS
Nitrogen, inorganic total[4]	7 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Weekly	COMPOS

Discharge Limitations Table for Sample Location 002 (External Outfall) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Nitrogen, inorganic total[4]	30 Day Average	M&R Pounds per Day (lb/d)	M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Weekly	COMPOS
Phosphorus, total (as P)[3]	7 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Daily	COMPOS
pH, minimum[2]	Minimum 7 Day Average		>= 6.5 Standard Units (SU)	Effluent Gross	002	Daily	DISCRT
pH, maximum[2]	Maximum 7 Day Average		<= 9 Standard Units (SU)	Effluent Gross	002	Daily	DISCRT
pH, minimum[2]	Monthly Average Minimum		>= 6.5 Standard Units (SU)	Effluent Gross	002	Daily	DISCRT
pH, maximum[2]	Maximum Monthly Average		<= 9 Standard Units (SU)	Effluent Gross	002	Daily	DISCRT
Coliform, fecal general	90th Percentile[1]		<= 400 Most Probable Number per 100ml T (MPN/100mL)	Effluent Gross	002	Daily	DISCRT

Notes (Discharge Limitations Table):

1. The discharge shall not exceed a log mean of 200 cfu or mpn per 100 ml over a 30 day period nor may more than 10 percent of the total samples taken exceed 400 cfu or mpn per 100 ml.
2. Except as allowed in Part B.CH and Special Approvals/Conditions Table.
3. See Part B.WLA and Special Approvals/Conditions Table.
4. The Permittee shall coordinate with the other dischargers indicated in the WLA table to determine whether on an annual basis the 95th percentile of the monitoring data for the Las Vegas Wash complies with the 20 mg/L total inorganic nitrogen (TIN) water quality standard at the control point, Las Vegas Wash 2 (LVW2, LW6.05).
5. See Special Approvals/Conditions Table.
6. Monthly Log Mean

Discharge Limitations Table for Sample Location 002 (External Outfall) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Phenanthrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
N-Nitrosodiphenylamine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
N-Nitrosodi-N-propylamine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
N-Nitrosodimethylamine (NDMA)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Nitrobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Naphthalene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Isophorone	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Indeno(1,2,3-cd)pyrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Hexachloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Hexachlorocyclopentadiene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Hexachlorobutadiene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
			M&R				

Discharge Limitations Table for Sample Location 002 (External Outfall) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Hexachlorobenzene	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Fluorene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Fluoranthene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Di-n-octyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Di-n-butyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Dimethyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Diethyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Dibenzo(a,h)anthracene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Chrysene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Butyl benzyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Bis(2-ethylhexyl) phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Bis(2-chloroisopropyl) ether	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS

Discharge Limitations Table for Sample Location 002 (External Outfall) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Bis(2-chloroethyl) ether	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Bis(2-chloroethoxy)methane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Benzo(k)fluoranthene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Benzo(ghi)perylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Benzo(b)fluoranthene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Benzo(a)pyrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Benzo(a)anthracene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Benzidine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Anthracene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Acenaphthylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Acenaphthene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
			M&R				

Discharge Limitations Table for Sample Location 002 (External Outfall) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
4-Chlorophenyl phenyl ether	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
4-Bromophenyl phenyl ether	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
3,3-Dichlorobenzidine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
2-Chloronaphthalene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
2,6-Dinitrotoluene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
2,4-Dinitrotoluene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
1,4-Dichlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
1,3-Dichlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
1,2-Diphenylhydrazine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
1,2-Dichlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
1,2,4-Trichlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Cyanide, total (as CN)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT

Discharge Limitations Table for Sample Location 002 (External Outfall) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Asbestos	Daily Maximum		M&R Fibers per Milliliter (Fib/mL)	Effluent Gross	002	Quarterly	COMPOS
2,3,7,8-Tetrachlorodibenzo-p-dioxin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Zinc, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Quarterly	COMPOS
Thallium, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Quarterly	COMPOS
Silver total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Quarterly	COMPOS
Selenium, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Quarterly	COMPOS
Nickel, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Quarterly	COMPOS
Mercury, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Quarterly	COMPOS
Lead, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Quarterly	COMPOS
Copper, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Quarterly	COMPOS
Chromium, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Quarterly	COMPOS
Cadmium, total recoverable	Daily Maximum		M&R Milligrams per Liter	Effluent Gross	002	Quarterly	COMPOS

Discharge Limitations Table for Sample Location 002 (External Outfall) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
			(mg/L)				
Beryllium, total recoverable (as Be)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Quarterly	COMPOS
Arsenic, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Quarterly	COMPOS
Antimony, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Quarterly	COMPOS
Phenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Pentachlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
4-Nitrophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
4-Chloro-3-methylphenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
2-Nitrophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
2-Methyl-4,6-dinitrophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
2-Chlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
2,4-Dinitrophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
			M&R				

Discharge Limitations Table for Sample Location 002 (External Outfall) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
2,4-Dimethylphenol	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
2,4-Dichlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
2,4,6-Trichlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Toxaphene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
PCB-1260	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
PCB-1254	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
PCB-1248	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
PCB-1242	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
PCB-1232	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
PCB-1221	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
PCB-1016	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Heptachlor epoxide	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS

Discharge Limitations Table for Sample Location 002 (External Outfall) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Heptachlor	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
.gamma.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Endrin aldehyde	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Endrin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Endosulfan sulfate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Dieldrin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
.delta.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Chlordane (tech mix. and metabolites)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
.beta.-Endosulfan	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
.beta.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
.alpha.-Endosulfan	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
			M&R				

Discharge Limitations Table for Sample Location 002 (External Outfall) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
.alpha.-BHC	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Aldrin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
4,4-DDT	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
4,4-DDE	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
4,4-DDD	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS
Vinyl chloride	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
Trichloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
Toluene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
Tetrachloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
Methylene chloride	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
Methyl chloride (Chloromethane)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
Methyl bromide (Bromomethane)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT

Discharge Limitations Table for Sample Location 002 (External Outfall) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Ethylbenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
Dichlorobromomethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
Dibromochloromethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
Chloroform	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
Chloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
Chlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
Carbon tetrachloride	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
Bromoform	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
Benzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
Acrylonitrile	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
Acrolein	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
			M&R				

Discharge Limitations Table for Sample Location 002 (External Outfall) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
2-Chloroethyl vinyl ether, (mixed)	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
1,3-Dichloropropene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
trans-1,2-Dichloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
1,2-Dichloropropane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
1,2-Dichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
1,1-Dichloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
1,1-Dichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
1,1,2-Trichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
1,1,2,2-Tetrachloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
1,1,1-Trichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	DISCRT
Pyrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Quarterly	COMPOS

Discharge Limitations Table for Sample Location Inf (Influent Structure) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	7 Day Average	M&R Million Gallons per Day (Mgal/d)		Intake	INF	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Intake	INF	Continuous	METER
BOD, 5-day, 20 deg. C	7 Day Average		M&R Milligrams per Liter (mg/L)	Intake	INF	Daily	COMPOS
Solids, total suspended	30 Day Average		M&R Milligrams per Liter (mg/L)	Intake	INF	Daily	COMPOS
BOD, 5-day, 20 deg. C	30 Day Average		M&R Milligrams per Liter (mg/L)	Intake	INF	Daily	COMPOS
Solids, total suspended	7 Day Average		M&R Milligrams per Liter (mg/L)	Intake	INF	Daily	COMPOS

Waste Load Allocation (WLA) Receiving Water Table

Receiving Water
LAS VEGAS WASH

Permittee Waste Load Allocation (WLA) Outfall Table

Outfall
Outfall 001 Latitude: 36.0872220N Longitude: -114.986944W
Outfall 002 Latitude: 36.0255560N Longitude: -115.102778W

Waste Load Allocation (WLA) Dischargers Table

Dischargers Facility
NV0020133 - CITY OF LAS VEGAS WATER POLLUTION CONTROL FACILITY (04/01/2015 - 03/31/2020)
NV0021261 - FLAMINGO WATER RESOURCE CENTER (04/01/2015 - 03/31/2020)
NV0022098 - KURT R. SEGLER WATER RECLAMATION FACILITY (04/01/2015 - 03/31/2020)
NV0023647 - CITY OF NORTH LAS VEGAS WATER RECLAMATION FACILITY (04/01/2015 - 03/31/2020)

Cumulative Waste Load Allocation (WLA) Table

Constituent (lbs/day)	Start Date	End Date	Total Max Daily Load (TMDL) Allowed	Discharger	Individual Waste Load Allocation (IWLA)	∑WLA
Phosphorus, total (as P)	April, 2015	April, 2020	334[1]	NV0020133 - CITY OF LAS VEGAS WATER POLLUTION CONTROL FACILITY (04/01/2015 - 03/31/2020)	79	334
				NV0021261 - FLAMINGO WATER RESOURCE CENTER (04/01/2015 - 03/31/2020)	182	
				NV0022098 - KURT R. SEGLER WATER RECLAMATION FACILITY (04/01/2015 - 03/31/2020)	43	
				NV0023647 - CITY OF NORTH LAS VEGAS WATER RECLAMATION FACILITY (04/01/2015 - 03/31/2020)	30	
Nitrogen, ammonia total (as N)	April, 2015	April, 2020	970[2]	NV0020133 - CITY OF LAS VEGAS WATER POLLUTION CONTROL FACILITY (04/01/2015 - 03/31/2020)	230	970
				NV0021261 - FLAMINGO WATER RESOURCE CENTER (04/01/2015 - 03/31/2020)	527	
				NV0022098 - KURT R. SEGLER WATER RECLAMATION FACILITY (04/01/2015 - 03/31/2020)	126	
				NV0023647 - CITY OF NORTH LAS VEGAS WATER RECLAMATION FACILITY (04/01/2015 - 03/31/2020)	87	

Notes (Cumulative Waste Load Allocation (WLA) Table):

1. This WLA only applies March 1 - October 31; no limit applies the rest of the year.
2. This WLA only applies April 1 - September 30; no limit applies the rest of the year.

Proposed Technology Based Effluent Limitations:

Federal regulations at 40 CFR section 133 require publicly owned treatment works to achieve specified limits in discharged BOD, suspended solids, and pH. The permit includes these limits. No changes are proposed to existing requirements.

Proposed Water Quality-Based Effluent Limitations:

The Nevada water quality standards require that point source discharges not cause a violation of any applicable water quality standards in the receiving water nor interfere with the attainment or maintenance of beneficial uses. The following Water Quality-Based Effluent Limitations (WQBEL) requirements from NAC 445A.2156 are included in the permit to ensure that the discharge does not cause water quality standards violations. In addition, the permit requires monitoring and reporting of constituents which are present in the discharge and the subject of ambient water quality standards. No changes are proposed from existing requirements.

Total Dissolved Solids: The permit includes the goal of not more than a 400 mg/L increase in TDS over the

drinking water supply, a goal established by the Colorado River Salinity Forum. The Permittee has implemented the salinity public education program required by the permit. This activity is a continuing requirement of the proposed permit. No changes are proposed from existing requirements.

Dissolved Oxygen: The WQBEL for dissolved oxygen (DO) includes the goal of establishing aerobic conditions in the Las Vegas Wash rather than a standard. The goal of aerobic conditions is intended to mean the absence of objectionable odors that may be caused by wastewater discharges in excess of existing odors. The permit includes the monitoring and reporting of DO in the discharge. No changes are proposed to existing requirements.

pH and Nitrogen Species: See special conditions section below.

Suspended Solids: See technology based effluent limitations section above.

Fecal Coliform: See fecal coliform section below.

Waste Load Allocation:

Phosphorus and Ammonia: The Permittee is authorized to discharge the waste loads listed in the Waste Load Allocation (WLA) Table for Total Phosphorus as P and Total Ammonia as N to the Las Vegas Wash. The WLA applies to the combined loading from Outfalls 001 and 002. This permit condition constitutes a cooperative agreement between the City of Las Vegas, Clark County Water Reclamation District, and City of Henderson, and with North Las Vegas (hereinafter Dischargers) to allow discharge flexibility. Each facility has an Individual Waste Load Allocation (IWLA) and there is a Sum of Individual Waste Load Allocations (SUM of IWLA) defined in the Waste Load Allocation table above.

No changes to the Sum of the IWLA are proposed from existing requirements.

Rationale for Permit Requirements:

The Permittee is proposing to continue to discharge treated wastewater that meets Water Quality Standards identified in NAC 445A. Monitoring is required to assess the level of treatment being provided. The basic limits for secondary treatment are included.

Fecal Coliform:

Water quality standards for the Las Vegas Wash specify fecal coliform requirements to be imposed on discharges into the Wash. Water quality standards for Lake Mead include fecal coliform standards. These standards have been imposed as effluent limits on discharges into the Wash and Lake Mead. No changes are proposed to existing requirements.

Total Residual Chlorine:

Water quality standards for the Las Vegas Wash prohibit the discharge of toxic substances in toxic amounts. The Permittee dechlorinates the effluent to remove free chlorine. An excess of the dechlorinating agent is used to ensure that no free chlorine remains. The effluent limit of 0.1 mg/L Total Residual Chlorine is included in the permit as an indicator that no free chlorine is present in the effluent. No changes are proposed to existing requirements.

WET Testing:

Acute WET Testing: Acute whole effluent toxicity requirements have been imposed to prevent discharges of toxic substances in toxic amounts. No changes are proposed to existing requirements.

Chronic WET Testing: The Permittee previously conducted a chronic whole effluent toxicity testing study and determined that the effluent was not chronically toxic. The permit requires additional chronic WET testing to ensure that chronic toxicity does not appear. No changes are proposed from existing requirements.

Special Conditions:

In addition to the technology based effluent limitations and the water quality based effluent limitations, the permit includes standard conditions required by 40 CFR section 122.41, including requirements on duty to comply, duty to reapply, need to halt or reduce activity not a defense, duty to mitigate, proper operation and maintenance, permit actions, property rights, duty to provide information, inspection and entry, monitoring and records, signatory requirement, reporting requirements (including planned change, anticipated noncompliance, transfers, monitoring reports, compliance schedules, 24-hour reporting, and other non-compliance), bypass requirements, and upset requirements. In addition, the permit includes the following special conditions. No changes are proposed to existing requirements.

Total inorganic nitrogen and pH: The Dischargers are required to determine whether the Las Vegas Wash complies with the RMHQ criterion for total inorganic nitrogen, and for the beneficial use standard for pH. If the Permittee and other dischargers determine that the Wash has exceeded these criteria they must consider whether reasonable changes would result in compliance and report to the Division.

The Las Vegas Wash is highly buffered and alkaline. Nitrification (alone) lowers pH and alkalinity.

Specifically, while the table list's 6.5-9.0, the Nevada Division of Environmental Protection (NDEP) has added language into the Special Approvals / Conditions Table and a section concerning Chlorine Residual and pH Effluent Limitations requiring a Confirmation of Standards of Compliance Report. These permit conditions are to ensure no reasonable potential for the pH of the Wash to be outside the Water Quality Standard range.

Biosolids: The permit includes requirements on the disposal or reuse of biosolids. No changes are proposed from existing requirements

Pretreatment: The permit includes requirements for a pretreatment program, which the Permittee has established. No changes are proposed from existing requirements.

Miscellaneous: The permit includes miscellaneous requirements for odors, fencing, fees, operator qualifications, etc. No changes are proposed from existing requirements.

Effluent Monitoring: The permit includes extensive effluent monitoring requirements for all substances subject to effluent limitations or included in ambient water quality standards.

SA – Special Approvals / Conditions Table

Item #	Description
	Confirmation of Standards of Compliance Report: The Permittee shall coordinate with the other dischargers identified in the WLA table to determine whether on an annual basis the 95th percentile of the monitoring data for the Las Vegas Wash

1	complies with the 20 mg/L total inorganic nitrogen (TIN) water quality standard at the control point, Las Vegas Wash 2 (LVW2, LW6.05), and whether the pH at LVW2 (LW6.05) complies with the water quality standard of 6.5 - 9.0 standard units. The results of these determinations shall be reported in the annual report. If the Permittee finds that the Las Vegas Wash is not in compliance with the water quality standards, the Permittee shall: (a) Consider whether reasonable changes in the Permittee's discharge from any outfall would result in compliance; (b) Coordinate with the other dischargers identified in the WLA table to consider whether coordinated reasonable changes would achieve compliance; and (c) Submit a report to the Division explaining the analytical process and conclusions.
2	**Ambient Water Quality** **Lake Mead and Las Vegas Wash Monitoring:** The Dischargers shall jointly submit an annual plan for monitoring ambient water quality in Lake Mead and the Las Vegas Wash during the following year. The Permittee shall implement its portion of the plan beginning January 1st of each year. The joint monitoring plan shall include, as a minimum, the following: The identification of at minimum three locations in the Las Vegas Wash at which water quality will be routinely monitored. (a) The identification of at minimum five locations within Lake Mead at which water quality will be routinely monitored, including at least one station near the mouth of the Las Vegas Wash. (b) An identification of the depths at which each station will be sampled. (c) An explanation of why the station locations and depths were chosen. (d) A schedule for monitoring water quality at the selected stations, at minimum biweekly in the Las Vegas Wash and, during April through September, in Lake Mead. (e) A list of parameters to be monitored, including at minimum chlorophyll (in epilimnetic samples), total phosphorus, ortho phosphorus, nitrate, ammonia, dissolved oxygen, conductivity, temperature, pH, and fecal coliforms or E. coli. (f) If the Permittee is unable to reach agreement with the other dischargers, the Permittee shall submit an explanation and a proposed individual monitoring plan. (g) An Ambient Water Quality Report shall be submitted to NDEP for review annually describing the results of the previous calendar year.
3	For those parameters sampled weekly or less frequently, the Permittee shall report the single value instead of the 7-day or 30-day average.
4	The collection, treatment and disposal facilities shall be designed and constructed as required by NAC 445A.284, except as provided in the NDEP's "Plan and Specification Review Policy for Collection and

	Treatment Systems in Clark County" latest edition.
5	Except as otherwise specified, the Permittee shall report the Maximum 7-Day Average Value.

Reasonable Potential Analysis and Antidegradation Review:

An analysis was performed to determine whether there were any pollutants or pollutant parameters (either conventional, nonconventional, or toxic pollutants) that are or may be discharged at a level which will cause, have the reasonable potential to cause, or contribute to an excursion above any State water quality standard, including State narrative criteria for water quality. No reasonable potential was found.

Flow:

30-Day Average Flow

40 MGD - Kurt R. Segler Water Reclamation Facility

8 MGD - Southwest Water Reclamation Facility

Discharges From Future Outfalls:

At the 30 day average flow allowed by this permit, the discharge from Outfalls 001 and 002 combined will consist of the following loadings:

Outfall 001

BOD_5 - 10,008 lbs/day

Total Suspended Solids - 10,008 lbs/day

Outfall 002

BOD_5 - 2,002 lbs/day

Total Suspended Solids - 2,002 lbs/day

Corrective Action Sites:

There are no remediation sites within one mile of the subject facility.

Wellhead Protection Program:

The facility is not within 6000' of a public water supply. A Wellhead Protection Area (WPA) has not been established for this area.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit a revised O&M Manual to the Nevada Division of Environmental Protection (NDEP) for review.	4/28/2016
2	Results of the Confirmation of Standards of Compliance (TIN) determinations shall be reported in the annual report.	1/28/2016
3	Permittee shall submit an Ambient Water Quality Plan to NDEP for review[1]	10/28/2015
4	The Ambient Water Quality Report shall be submitted to NDEP for review annually	4/28/2016
5	Permittee shall submit an Chronic Toxicity Study Plan to NDEP for review.	7/28/2015
6	Permittee shall submit an Chronic Toxicity Study Report to NDEP for review.	10/28/2016
7	The Permittee shall evaluate their Pretreatment program once every permit cycle and provide a written technical evaluation to EPA and NDEP of the need to revise local limits.	10/28/2016
8	The Permittee shall submit annually a report to the NDEP and EPA describing its pretreatment activities over the previous year.	4/28/2016
9	The Permittee shall submit a Biosolids Monitoring Report (BMR) for the previous calendar year to NDEP	1/28/2016
10	The Permittee shall report all instances of noncompliance not reported under Section C (Noncompliance, Unauthorized Discharge, Bypassing and Upset) at the time monitoring reports are submitted. (SSO Report).	7/28/2015

Notes (Schedule of Compliance Table):

1. The Ambient Water Quality Plan is a joint submittal that includes the City of Henderson, City of Las Vegas, City of North Las Vegas, and Clark County Major dischargers.

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly DMRs and Reports	Quarterly	7/28/2015
2	Annual Report - Including Salinity Control, Confirmation of Standards of Compliance (TIN), and WET reports	Annually	1/28/2016
3	Ambient Water Quality Report	Annually	4/28/2016
4	IWLA Quarterly Report	Quarterly	7/28/2015
5	Annual Pretreatment Report	Annually	1/28/2016
6	Annual BMR Report	Annually	1/28/2016
7	Quarterly SSO Report	Quarterly	7/28/2015

Procedures for Public Comment:

The Notice of the Division's intent to issue a permit authorizing the facility to discharge to surface waters of the State of Nevada subject to the conditions contained within the permit, is being sent to the **Las Vegas Review Journal, Las Vegas Sun** 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. **2/18/2015** , 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: **Clifford M. Lawson, P.E.**
Date: **1/8/2015**
Title: **Supervisor Permits Branch**