NEVADA DIVISION OF
ENVIRONMENTAL
PROTECTION

A division of the
Nevada Department of Conservation & Natural Resources

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FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: CLARK COUNTY WATER RECLAMATION DISTRICT

5857 E FLAMINGO RD
LAS VEGAS, NV 89122

Permit Number: NS0050040

Permit Type: GROUNDWATER DISCHARGE

Designation: GROUNDWATER

New/Existing: EXISTING

Location: INDIAN SPRINGS WASTEWATER TREATMENT PLANT, CLARK
2630 E. US HIGHWAY 95 NORTH, INDIAN SPRINGS, NV 89018
LATITUDE: 36.579167, LONGITUDE: -115.647778
TOWNSHIP: 16 S, RANGE: 56 E, SECTION: 10

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Latitude	Longitude	Receiving Water
001	INFLUENT	Internal Outfall		36.577735	-115.645906	GROUNDWATER
002	EFFLUENT	External Outfall		36.578467	-115.646382	GROUNDWATER
003	DOWNGRADIENT MONITORING WELL MW-1	Monitoring Well		36.581152	-115.648320	GROUNDWATER
004	DOWNGRADIENT MONITORING WELL MW-2	Monitoring Well		36.581152	-115.647301	GROUNDWATER
005	DOWNGRADIENT MONITORING WELL MW-3	Monitoring Well		36.581109	-115.645907	GROUNDWATER
006	DOWNGRADIENT MONITORING WELL MW-4	Monitoring Well		36.581124	-115.644651	GROUNDWATER
007	UPGRADIENT MONITORING WELL MW-5	Monitoring Well		36.577158	-115.648254	GROUNDWATER

Permit History/Description of Proposed Action
The Permittee, Clark County Water Reclamation District (CCWRD), has applied for the renewal of Permit NS0050040 for the Indian Springs Wastewater Treatment Plant (WWTP), at 2630 E. U.S. Highway 95 North, in Indian Springs, within Clark County, Nevada. The Permittee proposes to continue discharging secondary-treated, denitrified wastewater to rapid infiltration basins (RIBs) located onsite.

This permit was first issued August 31, 2010. The most recent permit was issued on November 1, 2016, and expired on October 31, 2021; the permit has been administratively continued since.

Facility Overview
The Indian Springs treatment plant serves the community of Indian Springs, Nevada. Two lift stations collect raw wastewater and transport it to the treatment plant.

Next, the influent flows into the headworks where preliminary treatment includes a channel rake-screen with screenings compactor and a grit separator with grit classifier. Indian Springs WWTP utilizes an activated sludge process which uses live microorganisms to remove wastes from the influent. The screened influent flows to one of two Bio-Mizer aeration basins, for secondary treatment, where microorganisms feed on the organic materials in the wastewater. As these microorganisms grow and reproduce, they continuously remove waste from the effluent, leaving it partially cleaned. The aeration basins are used to denitrify effluent via wave oxidation (on/off) reaction cycling. The aeration basins are divided into seven aeration lines, with some aeration lines being used alternately, others constantly, while others can be taken offline. The basins each have a total depth of 20 feet.

Upon leaving the secondary treatment basins, the mixed liquor flows to the secondary clarifiers. Scum is removed manually and pumped to the facultative sludge holding ponds. Sludge in clarifiers, the solid material (primary solids or biological floc) settles to the bottom via gravity, forming a thick layer for removal. The sludge, created during the secondary treatment process, can either be pumped to the facultative holding ponds as waste activated sludge (WAS), where it is dewatered, dried, and removed with a loader and taken to the Republic Services' Apex Landfill, where the biosolids are disposed of in the regional landfill for disposal; or, pumped back to the headworks as return activated sludge (RAS). The treated effluent is disposed in RIBs to percolate into groundwater of the State.

There are five monitoring wells, one upgradient of the WWTP and four downgradient which are sampled quarterly to determine whether the groundwater is impacted by the percolation.

Outfall Summary
Outfall 001 - This internal outfall is for measuring and monitoring of incoming influent to the Indian Springs WWTP.

Outfall 002 - This external outfall is for the monitoring of treated effluent being discharged from the Indian Springs WWTP to the RIBs.

Outfall 003 - This downgradient monitoring well (MW-1) outfall is for the monitoring of groundwater conditions including Chloride, Depth to Groundwater, Nitrogen, Total Dissolved Solids, and Water Level Above Mean Sea Level.

Outfall 004 - This downgradient monitoring well (MW-2) outfall is for the monitoring of groundwater conditions including Chloride, Depth to Groundwater, Nitrogen, Total Dissolved Solids, and Water Level Above Mean Sea Level.

Outfall 005 - This downgradient monitoring well (MW-3) outfall is for the monitoring of groundwater conditions including Chloride, Depth to Groundwater, Nitrogen, Total Dissolved Solids, and Water Level Above Mean Sea Level. Originally drilled as an expansion well in the northeast area of the WWTP's property where additional RIBs can be added.

Outfall 006 - The downgradient monitoring well (MW-4) outfall is for the monitoring of groundwater conditions including Chloride, Depth to Groundwater, Nitrogen, Total Dissolved Solids, and Water Level Above Mean Sea Level. Originally drilled as an expansion well in the northeast area of the WWTP's property where additional RIBs can be added.

Outfall 007 - This upgradient monitoring well (MW-5) outfall is for the monitoring of groundwater conditions including Chloride, Depth to Groundwater, Nitrogen, Total Dissolved Solids, and Water Level Above Mean Sea Level.

Facility Upgrades since last issued permit
There have not been any facility upgrades since the last issued permit.

Solids Handling
Solids from the Indian Springs WWTP are disposed at the Republic Services' Apex Landfill.

Effluent Management and Reuse
The treated effluent is discharged into RIBs located onsite at the Indian Springs WWTP.

Design Flow (and basis) and Measurement & Current Capacity
The WWTP was originally permitted with an average 30-day flow rate of 0.50 million gallons per day (Mgal/d).

The average daily maximum flow rate reported for Outfall 001 (Influent) was 0.15 Mgal/d. The permitted daily maximum flow rate for Outfall 001 is limited to 1.3 Mgal/d. There were no reported exceedances of either limit. Based on the flow rates reported, the WWTP is at approximately 30% capacity.

Pretreatment Program
The facility does not meet the federal Environmental Protection Agency's (EPA's) guidelines requiring them to have a pretreatment program, although sand/oil separators have been installed at Creech AFB, to catch any petroleum byproducts resulting from activities at the base, to prevent them from reaching the treatment plant.

Operations & Maintenance (O&M) Manual status
The Indian Springs WWTP's "No Change" status to their existing Operations and Maintenance (O&M) Manual, was approved on November 1, 2011, and extended until the prior issued permit's expiration on October 31, 2021. The Technical, Compliance, and Enforcement Branch of the Bureau of Water Pollution Control requires O&M Manuals to be updated every ten (10) years, with an updated O&M Manual due within 90 days of the permit's reissuance date.

Effluent Characterization
Nevada State Network Discharge Monitoring Report (NetDMR) data, as reported from January 2020 to December 2025, was reviewed as part of this permit renewal process. The Indian Springs WWTP discharges secondary-treated, denitrified, and disinfected wastewater to the RIBs.

The following reported averages were taken from January 2020 to July 2025 reporting period:

Abbreviations:
BOD5 – Biochemical Oxygen Demand, 5-day
Depth – Depth to water level feet below land surface
TDS – Total Dissolved Solids
TPH – Total Petroleum Hydrocarbons
TSS – Total Suspended Solids
Water Level - Water level relative to mean sea level
mg/L – Milligrams per Liter
Mgal/d – Million Gallons per Day
S.U. – Standard Units
ug/L- Micrograms per Liter

Outfall 001 (Influent):
BOD5: 241 mg/L
Flow Rate: 0.15 Mgal/d
TSS: 316 mg/L

Outfall 002 (Effluent):
Arsenic: 2.12 ug/L
BOD5: 6.628 mg/L
Chromium: 2.6 ug/L (with one reported instance with the remaining being below detection)
Copper: 13.08 ug/L
Cyanide: 3.47 ug/L (three reported instances with the remaining being below detection)
Lead: 2.6 ug/L (with one reported instance with the remaining being below detection)

Nickel: 3.94 ug/L
Nitrogen: 5.25 mg/L
pH: 7.49 S.U.
Selenium: 2.3 ug/L (one reported instance with the remaining being undetected)
TPH: Below Detection
TSS: 6.49 mg/L (with 24 reportable instances with the remaining being below detection)
Zinc: 50.82 ug/L

Outfall 003 (Monitoring Well MW-1):
Chloride: 216 mg/L
Depth: 51 Feet
Nitrogen: 7.71 mg/L
TDS: 1,380 mg/L
Water Level: 30 Feet

Outfall 004 (Monitoring Well MW-2):
Chloride: 228 mg/L
Depth: 51 Feet
Nitrogen: 8.62 mg/L
TDS: 1446 mg/L
Water Level: 31 Feet

Outfall 005 (Monitoring Well MW-3):
Dry

Outfall 006 (Monitoring Well MW-4):
Dry

Outfall 007 (Monitoring Well MW-5):
Chloride: 4.30 mg/L
Depth: 54.60 Feet
Nitrogen: 0.42 mg/L
TDS: 234 mg/L
Water Level: 28 Feet

Unless listed above, the Priority Pollutant parameters made up of Volatile Organic Compounds (VOCs), Total Recoverable Metals, Base Neutral Compounds, and other pollutants reported annually during the same period were below detectable levels.

The average percentage rate of removal for both BOD5 and TSS after treatment was approximately 97.5%.

Pollutants of Concern
Pollutants of concern are any pollutants or parameters that are believed to be present in the discharge and could affect or alter the physical, chemical, or biological condition of the receiving water. Common pollutants of concern for wastewater treatment plants are BOD5, Chloride, Nitrogen, pH, along with potential inorganic chemicals and analytes.

Receiving Water
Receiving water is groundwater of the State. Depth to groundwater below ground surface is 56 feet and reported groundwater flow gradient is to the northwest. Water quality is monitored via the five monitoring wells located around the WWTP.

Compliance History
The WWTP has been in compliance during the past five years reviewed.

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 (Influent-Internal Outfall) To Be Reported Monthly[2]

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	Daily Maximum	<= 1.3 Million Gallons per Day (Mgal/d)		Raw Sewage Influent	001	Continuous	METER[1]
Flow rate	30 Day Average	<= 0.5 Million Gallons per Day (Mgal/d)		Raw Sewage Influent	001	Continuous	METER[1]
BOD, 5-day	Weekly Average		M&R Milligrams per Liter (mg/L)	Raw Sewage Influent	001	Monthly	COMPOS
BOD, 5-day	Monthly Average		M&R Milligrams per Liter (mg/L)	Raw Sewage Influent	001	Monthly	COMPOS
Solids, total suspended	Weekly Average		M&R Milligrams per Liter (mg/L)	Raw Sewage Influent	001	Monthly	COMPOS
Solids, total suspended	Monthly Average		M&R Milligrams per Liter (mg/L)	Raw Sewage Influent	001	Monthly	COMPOS

Notes (WWTP Discharge Limitations Table):

1. Pumping time or Flow Meter.
2. Sampling should be done concurrently with the effluent (Outfall 002) sampling to determine actual removal rates achieved for Biochemical Oxygen Demand, 5-day (BOD5) and Total Suspended Solids (TSS).

WWTP Discharge Limitations Table for Sample Location 002 (Effluent-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[1]	Weekly Average		<= 45 Milligrams per Liter (mg/L)	Effluent Gross	002	Monthly	COMPOS
BOD, 5-day[1]	Monthly Average		<= 30 Milligrams per Liter (mg/L)	Effluent Gross	002	Monthly	COMPOS
pH, maximum	Daily Maximum		<= 9 Standard Units (SU)	Effluent Gross	002	Monthly	DISCRT
pH, minimum	Daily Minimum		>= 6 Standard Units (SU)	Effluent Gross	002	Monthly	DISCRT
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	002	Monthly	COMPOS
Solids, total suspended[1]	Weekly Average		<= 45 Milligrams per Liter (mg/L)	Effluent Gross	002	Monthly	COMPOS
Solids, total suspended[1]	Monthly Average		<= 30 Milligrams per Liter (mg/L)	Effluent Gross	002	Monthly	COMPOS
BOD, 5-day, percent removal	Monthly Average Minimum		>= 85 Percent (%)	Effluent Gross	002	Monthly	CALCTD
Solids, suspended percent removal	Monthly Average Minimum		>= 85 Percent (%)	Effluent Gross	002	Monthly	CALCTD

Notes (WWTP Discharge Limitations Table):

1. Sampling should be done concurrently with the influent (Outfall 001) sampling to determine actual removal rates achieved for Biochemical Oxygen Demand, 5-day (BOD5) and Total Suspended Solids (TSS).

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

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Hydrocarbons, total petroleum[1]	Daily Maximum		<= 1.0 Milligrams per Liter (mg/L)	Effluent Gross	002	Quarterly	DISCRT

Notes (WWTP Discharge Limitations Table):

1. Full range- Purge & Extract - 8015B.

WWTP Discharge Limitations Table for Sample Location 002 (Effluent-External Outfall) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Alkalinity, bicarbonate (as CaCO3)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Alkalinity, total (as CaCO3)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Aluminum, dissolved (as Al)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Antimony, dissolved (as Sb)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Arsenic, dissolved (as As)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Barium, dissolved (as Ba)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Beryllium, dissolved (as Be)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Cadmium, dissolved (as Cd)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Calcium, dissolved (as Ca)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Chromium, dissolved (as Cr)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 002 (Effluent-External Outfall) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Copper, dissolved (as Cu)	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Fluoride, total (as F)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Iron, dissolved (as Fe)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Lead, dissolved (as Pb)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Magnesium, dissolved (as Mg)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Manganese, dissolved (as Mn)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Mercury, dissolved (as Hg)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Nitrite plus nitrate total 1 det. (as N)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Potassium, dissolved (as K)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Selenium, dissolved [as Se]	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Silver, dissolved (as Ag)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 002 (Effluent-External Outfall) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Sodium, dissolved (as Na)	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Sulfate, total (as SO4)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Thallium, dissolved (as Tl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Cyanide, free available	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Zinc, dissolved (as Zn)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT

WWTP Discharge Limitations Table for Sample Location 002 (Effluent-External Outfall) To Be Reported Once During The Permit Term

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
.alpha.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
.alpha.-Endosulfan	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
.beta.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
.beta.-Endosulfan	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
.delta.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
.gamma.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
trans-1,2-Dichloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
1,1-Dichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
1,1-Dichloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
1,1,1-Trichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
1,1,2-Trichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 002 (Effluent-External Outfall) To Be Reported Once During The Permit Term

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
1,1,2,2-Tetrachloroethane	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
1,2-Dichlorobenzene (O-Dichlorobenzene)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
1,2-Dichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
1,2-Dichloropropane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
1,2-Diphenylhydrazine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
1,2,4-Trichlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
1,3-Dichlorobenzene (M-Dichlorobenzene)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
1,3-Dichloropropene (Dichloropropenes)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
1,4-Dichlorobenzene (P-Dichlorobenzene)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
2-Chloroethyl vinyl ether, (mixed)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
2-Chloronaphthalene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 002 (Effluent-External Outfall) To Be Reported Once During The Permit Term

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
2-Chlorophenol	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-2-Methylphenol)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
2-Nitrophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
2,4-Dichlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
2,4-Dimethylphenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
2,4-Dinitrophenol (Dinitrophenols)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
2,3,7,8-Tetrachlorodibenzo-p-dioxin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
2,4-Dinitrotoluene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
2,4,6-Trichlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
2,6-Dinitrotoluene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
3,3-Dichlorobenzidine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 002 (Effluent-External Outfall) To Be Reported Once During The Permit Term

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
4-Bromophenyl phenyl ether	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
4-Chloro-3-methylphenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
4-Chlorophenyl phenyl ether	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
4-Nitrophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
4,4-DDD	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
4,4-DDE	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
4,4-DDT	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Acenaphthene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Acenaphthylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Acrolein	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Acrylonitrile	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 002 (Effluent-External Outfall) To Be Reported Once During The Permit Term

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Aldrin	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Anthracene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Asbestos	Daily Maximum		M&R Fibers per Milliliter (Fib/mL)	Effluent Gross	002	Once Per Permit Term	DISCRT
Benzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Benzidine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Benzo(a)anthracene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Benzo(a)pyrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Benzo(b)fluoranthene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Benzo(ghi)perylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Benzo(k)fluoranthene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Bis(2-chloroethyl) ether	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Bis(2-chloroethoxy)methane	Daily Maximum		M&R Micrograms per Liter	Effluent Gross	002	Once Per Permit Term	DISCRT

WWTP Discharge Limitations Table for Sample Location 002 (Effluent-External Outfall) To Be Reported Once During The Permit Term

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
			(ug/L)				
Bis(2-chloroisopropyl) ether	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Bis(2-ethylhexyl) phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Bromoform	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Butyl benzyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Carbon Tetrachloride (Tetrachloromethane (Carbon Tetrachloride))	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Chlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Chlordane (tech mix. and metabolites)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Chloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Chloroform	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Chrysene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Di-n-butyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT

WWTP Discharge Limitations Table for Sample Location 002 (Effluent-External Outfall) To Be Reported Once During The Permit Term

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Di-n-octyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Dibenzo(a,h)anthracene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Diethyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Dimethyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Dichlorobromomethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Dibromochloromethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Dieldrin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Endosulfan sulfate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Endrin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Endrin aldehyde	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Ethylbenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT

WWTP Discharge Limitations Table for Sample Location 002 (Effluent-External Outfall) To Be Reported Once During The Permit Term

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Fluoranthene (Fluoranthene (Polynuclear Aromatic Hydrocarbon))	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Fluorene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Heptachlor	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Heptachlor epoxide	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Hexachlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Hexachlorobutadiene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Hexachloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Hexachlorocyclopentadiene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Indeno(1,2,3-cd)pyrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Isophorone	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Methyl bromide (Bromomethane)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 002 (Effluent-External Outfall) To Be Reported Once During The Permit Term

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Methyl chloride (Chloromethane)	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Methylene chloride	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
N-Nitrosodi-N-propylamine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
N-Nitrosodiphenylamine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
N-Nitrosodimethylamine (NDMA)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Naphthalene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Nitrobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Phenanthrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Pyrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Phenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Pentachlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 002 (Effluent-External Outfall) To Be Reported Once During The Permit Term

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
PCB-1260	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
PCB-1254	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
PCB-1248	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
PCB-1242	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
PCB-1232	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
PCB-1221	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
PCB-1016	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Tetrachloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Toluene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Toxaphene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Trichloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 002 (Effluent-External Outfall) To Be Reported Once During The Permit Term

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Vinyl Chloride (Chloroethylene (Vinyl))	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	002	Once Per Permit Term	DISCRT

Groundwater Monitoring Wells Table for Sample Location 003 (Downgradient Monitoring Well Mw-1) To Be Reported Quarterly

	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)	Groundwater	003	Quarterly	DISCRT
Depth to water level ft below landsurface[1]	Daily Minimum	M&R Feet (ft)		Groundwater	003	Quarterly	VISUAL[2]
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater	003	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	003	Quarterly	DISCRT
Water level relative to mean sea level[3]	Daily Maximum	M&R Feet (ft)		Groundwater	003	Quarterly	CALCTD

Notes (Groundwater Monitoring Wells Table):

1. Depth to Groundwater, ft.
2. Field measurement.
3. Groundwater Elevation, ft.

Groundwater Monitoring Wells Table for Sample Location 004 (Downgradient Monitoring Well Mw-2) To Be Reported Quarterly

	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)	Groundwater	004	Quarterly	DISCRT
Depth to water level ft below landsurface[1]	Daily Minimum	M&R Feet (ft)		Groundwater	004	Quarterly	VISUAL[2]
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater	004	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	004	Quarterly	DISCRT
Water level relative to mean sea level[3]	Daily Maximum	M&R Feet (ft)		Groundwater	004	Quarterly	CALCTD

Notes (Groundwater Monitoring Wells Table):

1. Depth to Groundwater, ft.
2. Field measurement.
3. Groundwater Elevation, ft.

Groundwater Monitoring Wells Table for Sample Location 005 (Upgradient Monitoring Well Mw-3) To Be Reported Quarterly

	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)	Groundwater	005	Quarterly	DISCRT
Depth to water level ft below landsurface[1]	Daily Minimum	M&R Feet (ft)		Groundwater	005	Quarterly	VISUAL[3]
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater	005	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	005	Quarterly	DISCRT
Water level relative to mean sea level[2]	Daily Maximum	M&R Feet (ft)		Groundwater	005	Quarterly	CALCTD

Notes (Groundwater Monitoring Wells Table):

1. Depth to Groundwater, ft.
2. Groundwater Elevation, ft.
3. Field measurement.

Groundwater Monitoring Wells Table for Sample Location 006 (Downgradient Monitoring Well Mw-4) To Be Reported Quarterly

	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)	Groundwater	006	Quarterly	DISCRT
Depth to water level ft below landsurface[1]	Daily Minimum	M&R Feet (ft)		Groundwater	006	Quarterly	VISUAL[2]
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater	006	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	006	Quarterly	DISCRT
Water level relative to mean sea level[3]	Daily Maximum	M&R Feet (ft)		Groundwater	006	Quarterly	CALCTD

Notes (Groundwater Monitoring Wells Table):

1. Depth to Groundwater, ft.
2. Field measurement.
3. Groundwater Elevation, ft.

Groundwater Monitoring Wells Table for Sample Location 007 (Upgradient Monitoring Well Mw-5) To Be Reported Quarterly

	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)	Groundwater	007	Quarterly	DISCRT
Depth to water level ft below landsurface[1]	Daily Minimum	M&R Feet (ft)		Groundwater	007	Quarterly	VISUAL[2]
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	007	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	007	Quarterly	DISCRT
Water level relative to mean sea level[3]	Daily Maximum	M&R Feet (ft)		Groundwater	007	Quarterly	CALCTD

Notes (Groundwater Monitoring Wells Table):

1. Depth to Groundwater, ft.
2. Field measurement.
3. Groundwater Elevation, ft.

Summary of Changes From Previous Permit
Under Outfall 001 (Influent), To be Reported Monthly, the following additions or changes were made:

CHANGED – BOD, 5-day, from a “Monthly Maximum” Base to a “Weekly Average” Base, with the remaining discharge limitations and monitoring requirements remaining the same as the previously issued permit.

ADDED – BOD, 5-day, with a “Monthly Average” Base, an “M&R Milligrams per Liter (mg/L)” Concentration, a “Raw Sewage Influent” Monitoring Location, a “001” Sample Location, a “Monthly” Measurement Frequency, and a “Discrt” Sample Type.

CHANGED – Solids, total suspended, from a “Monthly Maximum” Base to a “Weekly Average” Base, with the remaining discharge limitations remaining the same as the previously issued permit.

ADDED – Solids, total suspended, with a “Monthly Average” Base, an “M&R Milligrams per Liter (mg/L)” Concentration, a “Raw Sewage Influent” Monitoring Location, a “001” Sample Location, a “Monthly” Measurement Frequency, and a “Discrt” Sample Type.

ADDED – Footnote 2.
2. Sampling should be done concurrently with the effluent (Outfall 002) sampling to determine actual removal rates achieved for Biochemical Oxygen Demand, 5-day (BOD5) and Total Suspended Solids (TSS).

Under Outfall 002 (Effluent) To Be Reported Monthly, the following parameters were added:

ADDED - BOD, 5-Day, percent removal, with a “Monthly Minimum Average” Base, a “>85 Percent (%)” Concentration, an “Effluent Gross” Monitoring Location, a “002” Sample Location, an “Quarterly” Measurement Frequency, and a “Calctd” Sample Type.

ADDED - Solids, total suspended, percent removal, with a “Monthly Minimum Average” Base, a “>85 Percent (%)” Concentration, an “Effluent Gross” Monitoring Location, a “002” Sample Location, an “Quarterly” Measurement Frequency, and a “Calctd” Sample Type.

CHANGED – BOD, 5-day, from a “Monthly Maximum” Base to a “Weekly Average” Base, with the remaining discharge limitations and monitoring requirements remaining the same as the previously issued permit.

CHANGED – Solids, total suspended, from a “Monthly Maximum” Base to a “Weekly Average” Base, with the remaining discharge limitations and monitoring requirements remaining the same as the previously issued permit.

ADDED – Footnote 2.
2. Sampling should be done concurrently with the influent (Outfall 001) to determine actual removal rates achieved for Biochemical Oxygen Demand, 5-day (BOD5) and Total Suspended Solids (TSS).

Under Outfall 002 (Effluent) To Be Reported Annually the following parameters were either added or deleted:

ADDED - Parameters of concern, with a “M&R Milligrams per Liter (mg/L)” Concentration, an “Effluent Gross” Monitoring Location, a “002” Sample Location, an “Annual” Measurement Frequency, and a “Discrt” Sample Type.

DELETED – The Priority Pollutants list with a “Annual Maximum” Base.

ADDED – Outfall 002 (Effluent) To Be Reported Once During the Permit Term along with the following parameters:

ADDED – Priority Pollutants list parameters, with a “Daily Maximum” Base, a “M&R Micrograms per Liter (ug/L)” Concentration, an “Effluent Gross” Monitoring Location, a “002” Sample Location, a “Once per Permit Term” Measurement Frequency, and a “Discrt” Sample Type.

Technology Based Effluent Limitations
Technology based effluent limitations (TBELs) are required as promulgated by the United States (U.S.) EPA for Publicly Owned Treatment Works (POTWs). The following limits are based on secondary treatment standards as allowed by the Code of Federal Regulation (CFR) Title 40, Section 133, and which has been adopted by the State of Nevada. U.S. EPA published federal secondary treatment standards at 40 CFR 133 based on an evaluation of performance data for POTWs practicing a combination of physical and biological treatment. Performance is measured by monitoring biodegradable organics, suspended solids in the effluent, and ensuring pH remains within regulatory limits. Federal secondary treatment standards are defined under 40 CFR 133 for maximum BOD5 as a 30-day average of 30 mg/L and a 7-day average of 45 mg/L and for maximum TSS as a 30-day average of 30 mg/L and a 7-day average of 45 mg/L. In addition to describing the minimum levels of effluent quality attainable by secondary treatment, 40 CFR 133.102 states that the 30-day average percent removal of BOD5 and TSS shall not be less than 85%. The Division has adopted these standards for discharges from treatment facilities, and has applied the same 7-day average thresholds as daily maximum effluent limits for BOD5 and TSS.

The following performance standards for POTWs with secondary treatment standards have been included in the permit:

BOD5: Monthly average limit: <= 30 mg/L; Weekly average limit: <= 45 mg/L.

TSS: Monthly average limit: <= 30 mg/L; Weekly average limit: <= 45 mg/L.

pH: Daily Maximum: <= 9.0 Standard Units

pH: Daily Minimum >= 6.0 Standard Units

Limits Based on Secondary Treatment Standards:

BOD5 Percent removal: >= 85 percent.

TSS: Percent removal: >= 85 percent.

Limits Based on Facility's Design Criteria Review:

The permitted 30-day average flow rate for the influent is: 0.50 Mgal/d

The permitted daily maximum flow rate for the influent is: 1.30 Mgal/d

Water Quality Based Effluent Limitations
Water quality based effluent limitations are not applicable to this permit.

Proposed Water Quality Based Effluent Limits (monthly/weekly/daily)
Water quality based effluent limits are not applicable to this permit.

Basis for Effluent Limitations
There are currently no specific water quality standards that have been formally adopted by the State for groundwater. However, the Division has the discretion to implement effluent limitations outside water quality standards per Nevada Administrative Code (NAC) 445A.243, which states, “In establishing an effluent limitation to carry out the policy of this State set forth in Nevada Revised Statutes (NRS) 445A.305, consideration must be given to, but is not limited by the following: ... (2) the need for standards that specify by chemical, physical, biological or other characteristics the extent to which pollution by various substances will not be tolerated.”

The requirement to monitor the effluent for pollutants of concern once per permit term is included to evaluate the quality of the effluent and determine whether the effluent has potential to impact the receiving water. Although cyanide is not expected to be present in the effluent, the permit requires the Permittee to sample these constituents once per term because they are included in the pollutants of concern list and have not been previously tested.

The constituents listed have been vetted by the Division and have been included in groundwater discharge permits for many years as a means of regulating groundwater quality. Per NRS 445A.490, “No permit may be issued which authorizes any discharge or injection of fluids through a well into any waters of the State: ... (3) which would result in the degradation of existing or potential underground sources of drinking water.”

Influent and Effluent Monitoring Requirements:

Monthly influent and effluent monitoring for BOD5 and TSS are included to assess the treatment performance of the Indian Springs WWTP. A monthly sampling frequency for BOD5 and TSS is sufficient for determining compliance with the applicable effluent limitations. Percent removal requirements for BOD5 and TSS are established in the permit as monthly average minimums of 85%, based on secondary treatment standards.

Some wastewater treatment processes can increase or decrease wastewater pH; therefore, monthly monitoring for pH is included in assessing compliance with effluent limits of 6.0 S.U. as a daily minimum and

9.0 S.U. as a daily maximum.

Monitoring is required to ensure that the treatment plant capacity is not exceeded, to assess the level of treatment being provided, and to monitor groundwater quality. Treatment plant parameters for BOD5, TSS, total nitrogen and pH are typically required to be monitored by all wastewater treatment facilities. Limits are based on Secondary Treatment standards and used to assess the performance of the publicly owned treatment works.

Monitoring wells parameters for depth to water level, chloride, total nitrogen, TDS, and water level to average mean sea level (AMSL) are typically monitored at all facilities required to monitor groundwater. Limits are based on standard Division monitoring requirements.

The requirement to sample for TPH is based on the potential of discharge from nearby activities.

Anti-backsliding
None of the proposed permit limits were changed to a less restrictive limit compared to those in the previous permit with the exception of the Volatile Organic Compounds, Total Recoverable Metals, Base Neutral Compounds, and other pollutants reported annually during the same period were below detectable levels, during the past six (6) years, and are not parameters that are normally sampled at a small WWTP that treats domestic sewage. Because of this, the reporting requirement for these parameters were changed from an annual reporting period to a once during the permit term reporting requirement.

Antidegradation
The Division has developed an antidegradation regulation that is applied on a statewide basis, and which meets the statutory requirements of Nevada's water pollution control law found at NRS 445A.520 and NRS 445A.565 and is consistent with the federal antidegradation policy found at 40 CFR § 131.12. The objective of the Division's antidegradation regulation is to prevent degradation of Nevada's surface waters and maintain the unique attributes and special characteristics and water quality associated with high-quality waters.

As this permit is for discharges to groundwater, and not surface water, the new antidegradation rule is not applicable. There are currently no specific water quality standards that have been formally adopted by the State for groundwater, however, data reviewed during the renewal process does not indicate the potential for degradation of the groundwater from the treated wastewater discharged within the compliance limits of the proposed permit.

Special Conditions
There are no Special Approvals/Conditions applicable to this permit.

SA – Special Approvals / Conditions Table

Item #	Description
1	Under B.MW.3. Increasing concentrations of total nitrogen as nitrogen (N) in groundwater samples invoke the following response requirements are only be applicable to those groundwater monitoring wells that are downgradient of the treatment plant, specifically Monitoring Wells MW-1, MW-2, MW-3, and MW-4.
2	Under Section C.9, the disposal of any solids, sludges, filterback wash, or other pollutants removed in the course of treatment or control of wastewaters shall be properly disposed as described in the Indian Springs WWTP"s O&M Manual and/or through the acquiring of the applicable permit(s).
3	Item 16.8 is not applicable to this permit as the site is not subject to a wasteload allocation.
4	Under Section C.27, all references to Section C.25 Signatures, Certification Required on Application and Reporting Forms should reference Section C.26.

Discharges From Future Outfalls/ Planned Facility Changes

There are no planned discharges from future outfalls or facility changes.

Corrective Action Sites
There are no active Bureau of Corrective Actions (BCA) remediation sites located within a one-mile radius of the Indian Springs WWTP.

Wellhead Protection Program
The outfalls are not located within a Wellhead Protection Area, which represents an approximate 10-year capture zone of a well, or within a Drinking Water Protection Area, which is defined by a 3,000-foot radius around a public water supply (PWS) well.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit two copies (one hard copy and one electronic copy) of an updated Operations and Maintenance (O&M) Manual for review and approval by the Division. The O&M Manual shall follow Division's guidance document, WTS-2 Minimum Information Required for an Operation and Maintenance Manual for a Wastewater Treatment Plant and be prepared and wet stamped by a licensed, qualified Nevada engineer (P.E.).	10/1/2026

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly DMRs	Quarterly	10/28/2026
2	Annual Report	Annually	1/28/2027

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 mailed to interested persons on our mailing list and will be posted on our website at https://ndep.nv.gov/posts. Anyone wishing to comment on the proposed permit can do so in writing until 5:00 P.M. **6/12/2026,** 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 in 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: **Melissa Hanson**
Date: **5/8/2026**
Title: **Staff II Engineer**

Figure 1-1: Indian Springs WWTP Liquid and Solids Flow Schematic