NEVADA DIVISION OF
ENVIRONMENTAL
PROTECTION

A division of the
Nevada Department of Conservation & Natural Resources

STATE OF NEVADA
Joe Lombardo, *Governor*
Vinson Guthreau, *Director*
Jennifer L. Carr, *Administrator*

901 S. Stewart Street, Suite 4001
Carson City, Nevada 89701
p: 775-687-4670 f: 775-687-5856
ndep.nv.gov

FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: CITY OF RENO

PO BOX 1900
RENO, NV 89505

Permit Number: NS2008500

Permit Type: GROUNDWATER DISCHARGE

Designation: GROUNDWATER

New/Existing: EXISTING

Location: RENO STEAD WATER RECLAMATION FACILITY, WASHOE
4250 NORTON DR, RENO, NV 89506
LATITUDE: 39.644289, LONGITUDE: -119.8650
TOWNSHIP: T21N, RANGE: R19E, SECTION: 32

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Latitude	Longitude	Receiving Water
100	INFLUENT	Influent Structure		39.645340	-119.8689	N/A
200	END OF TREATMENT AT UV	External Outfall		39.644280	-119.8683	GROUNDWATER
201	END OF TREATMENT AT CHLORINE CONTACT	External Outfall		39.644280	-119.8683	GROUNDWATER
400	FLOW-SHAVE/RAW SEWAGE DIVERTED THROUGH DIVERSION PUMP STATION TO TMWRF	Internal Outfall		39.6440	-119.8706	TMWRF
500	FLOWS FROM SOLIDS PUMP STATION (INCLUDES WAS, FLOW-SHAVE, AND PROCESS WASTE STREAMS) DISCHARGED TO BECKWORTH FORCE MAIN	External Outfall		39.644590	-119.8707	TMWRF
600	DISCHARGES TO SWAN LAKE VIA HORSE CREEK	External Outfall		39.644130	-119.8676	SWAN LAKE / WATERS OF THE STATE
R01	ADVANCED PURIFIED WATER FACILITY (NS2025503)	External Outfall		39.642992	-119.8645	GROUNDWATER
R02	ONSITE LANDSCAPE IRRIGATION	Land Application Site		39.644289	-119.8650	GROUNDWATER
R03	ONSITE TRUCK FILL STATION	External Outfall		39.644834	-119.8707	GROUNDWATER
R04	MAYOR'S PARK	Land Application Site		39.645904	-119.8737	GROUNDWATER
R05	NORTH VALLEY REGIONAL COMPLEX (NS0099011)	Land Application Site		39.622547	-119.8657	GROUNDWATER
R06	SIERRA SAGE GOLF COURSE (NS0099010)	Land Application Site		39.626110	-119.8848	GROUNDWATER

R07	THE LAKES AT LEMMON VALLEY (NS2024509)	Land Application Site		39.618306	-119.8611	GROUNDWATER
R08	O'BRIEN MIDDLE SCHOOL (NS2003513)	Land Application Site		39.624090	-119.8811	GROUNDWATER
R0T	SUM OF RECLAIMED WATER FOR OUTFALLS R02 - R08	Sum		39.6436	-119.8715	GROUNDWATER
SUM	SUM OF END OF TREATMENT DISCHARGES FROM THE FACILITY	Sum		39.6436	-119.8715	GROUNDWATER

Permit History/Description of Proposed Action

The Permittee, the City of Reno, has applied for the renewal of groundwater discharge permit NS2008500 for the Reno Stead Water Reclamation Facility (RSWRF) located at 4250 Norton Drive in Reno, Washoe County, Nevada. The Permittee proposes to continue discharging tertiary treated, denitrified, and disinfected wastewater to waters of the State.

The permit was initially issued in July of 2007. The most recent permit was issued on January 1, 2020, and expired on December 31, 2024; the permit has been administratively continued since.

Facility Overview

The Permittee owns and operates the RSWRF which receives residential and non-residential wastewater from the North Valleys area. The facility recently underwent an expansion, increasing the treatment capacity to an average annual daily flow from 2.0 million gallons per day (MGD) to 4.0 MGD. With the expansion, the peak hour dry weather (maximum day) influent flow treatment capacity increased to 8.88 MGD.

Currently, the RSWRF's treatment facilities include influent screening and grit removal, a modified Ludzack-Ettinger process for biological nutrient reduction (BNR), secondary clarifiers, and the new tertiary treatment consisting of dual media filters, and disinfection through ultra-violet (UV) light (see attached flow diagram). Proposed additions to the RSWRF include a coagulation / flocculation / dissolved air flotation (CFDAF) treatment located upstream of the dual media filters to further improve secondary effluent quality. Other aspects of the RSWRF treatment train include existing continuous backwash sand filters and a chlorine contact basin. An effluent storage tank, with a 1.5-million-gallon capacity, was also constructed during the recent expansion.

The new tertiary treatment train, along with the planned installment of the CFDAF, will improve the overall wastewater treatment in preparation for the treated wastewater to be conveyed to the proposed Advanced Purified Water Facility (APWF) which will be located at the southwest corner of Lear Boulevard and Military Road, across the street from the RSWRF. The APWF will further treat the wastewater to meet Category A+ water quality requirements, per Nevada Administrative Code (NAC) 445A.276, which will result in a final finished water that will be injected into the aquifer before ultimately being introduced to Truckee Meadow Water Authority's (TMWA's) potable water distribution system.

Preliminary treatment at the RSWRF begins with the removal of large debris and grit removal to reduce wear and tear on the force main pumps and prevent blockages. The debris and grit are washed, dewatered, and discharged into a covered, roll-off bin and transported offsite to a nearby landfill for disposal. After primary treatment, the wastewater goes through secondary treatment to reduce the levels of organic constituents, nitrogen compounds, and suspended solids. Secondary treatment occurs through BNR via three anoxic zones, where denitrification occurs, and four aerobic zones, where biological treatment and nitrification occur. After the BNR, the wastewater is conveyed to the secondary clarifiers to remove biological solids by allowing them to settle to the bottom of the clarifier and the clear supernatant to flow over a weir and into tertiary treatment. Tertiary treatment is available through two separate treatment trains. The main tertiary train consists of dual media filtration and UV disinfection. Effluent from this treatment train flows to the 1.5-million-gallon storage tank which feeds reuse customers and, in the future, the APWF. Excess effluent from this treatment train flows to Swan Creek, via Horse Creek. The second tertiary treatment train consists of continuous up-flow sand filters and a chlorine contact basin. This treatment train remains available for excess flows, return flows from the future APWF, and as a backup to the main tertiary treatment train. Effluent from the second tertiary treatment train can flow through the effluent flume to Swan Lake or be diverted to reuse customers.

The continuous backwash sand filters will be utilized only when flow through the RSWRF bypasses the dual media filters and UV treatment (due to treatment capacity) before being sent through the chlorine contact basin and then discharged to Swan Lake or for use as non-potable (i.e., dust suppression at construction sites).

The RSWRF is not equipped to process waste activated sludge (WAS) which is generated from the secondary clarifiers. Beginning in 2004 to present, the WAS is exported to the Truckee Meadows Water Reclamation Facility (TMWRF) through the Beckworth force main and lift station (formerly known as the Golden Valley force main and lift station). Also exported to TMWRF through the same infrastructure is raw sewage as required to maintain the RSWRF's influent levels (this is known as flow-shaving). Raw sewage exported to TMWRF was previously limited to 0.5 MGD. A new solids pump station is proposed to be constructed and completed by the summer of 2026. The pump station will increase the available capacity from 0.5 MGD to 0.9 MGD. Although the capacity of the pump station will increase, the RSWRF does not anticipate the need for an increase for flow-shave due to a recent expansion at the facility, (see the *Facility Upgrades since last issued permit* section of the Fact Sheet for further information). Furthermore, with the addition of the proposed APWF, the RSWRF will be able to maintain their influent levels which will alleviate the need for flow-shave in the future. It is for these reasons that the daily maximum flow limit of less than 0.5 MGD for the flow-shave (Outfall 400) has been changed to Monitor and Report (M&R).

Outfall Summary

Note: Users of reclaimed water may require coverage under a separate individual groundwater discharge permit, dependent upon the Division's assessment of the reclaimed water use site. Sites that are affiliated with the City of Reno that receive reclaimed water do not need a separate individual groundwater discharge permit as these sites can be covered under this permit.

Outfall 100 – This outfall is for the influent (raw sewage) entering the RSWRF.

Outfall 200 – This outfall is for the final treated effluent at the end of the UV treatment.

Outfall 201 - This outfall is for the final treated effluent at the end of the chlorine contact.

Outfall 400 – This outfall is for raw sewage entering the RSWRF and conveyed through the diversion pump station to the TMWRF (e.g., flow-shave).

Outfall 500 – This outfall is for flows (i.e., WAS, raw sewage, and process waste which includes waste from the clarifier scum pits and onsite catch basins) from the solids pump station conveyed to the Beckworth force main.

Outfall 600 - This outfall is for discharges of treated effluent to Swan Lake via Horse Creek.

Outfall R01 – This outfall, formerly for discharges of treated effluent to Swan Lake via Horse Creek, is now for treated effluent sent to the proposed APWF (NS2025503).

Outfall R02 – This outfall is for the use of reclaimed water for landscape irrigation at the RSWRF (City of Reno).

Outfall R03 – This outfall is for the use of reclaimed water for construction activities from a truck fill station located at the RSWRF (City of Reno).

Outfall R04 – This outfall is for the use of reclaimed water for irrigation at Mayor's Park (City of Reno).

Outfall R05 – This outfall is for the use of reclaimed water for irrigation at North Valley Regional Complex (NS0099011).

Outfall R06 – This outfall is for the use of reclaimed water for irrigation at Sierra Sage Golf Course (NS0099010).

Outfall R07 – This outfall is for the use of reclaimed water for irrigation at The Lakes at Lemmon Valley (NS2024509).

Outfall R08 – This outfall is for the use of reclaimed water for irrigation at the O'Brien Middle School (NS2003513).

Outfall R0T - This outfall is for the sum of reclaimed water for Outfalls R02 - R08.

Outfall SUM – This outfall is for the sum of all treated discharges, at the end of treatment, from the RSWRF.

Facility Upgrades since last issued permit
Since the last permit was issued, the Permittee has made the following improvements to the RSWRF:

- Headworks: Installed 4 new grit pumps with 2 new Coanda grit washers by Huber and a new conveyance to the enclosed roll-off bins for grit and screenings.
- Bio Filter: Replaced old media with all new media and installed new underdrain wetting sprays.
- Reactor Basins 1 & 2: Installed new dissolved oxygen (D.O.) probes, air flow meters, air control valves, fine bubble diffusors, and flow control weirs.
- Blower Building: Installed 3 new 200 hp blowers with VFD's and Aerzen airtronic flow control programming.
- Secondary Clarifier Splitting Structure: 2 new gates added for flow control to clarifiers.
- Plant Drain / Dewatering Pump Station: Improvements to controls.
- Scum Pump Station: Added extra spray wash piping.
- Chemical Storage Building: Removed calcium thiosulfate pumps and installed 3 new bleach pumps, 2 polymerized aluminum chloride (PAC) pumps, and a 1,000-gallon PAC bulk storage tank.
- Chlorine Contact Basin: Added level instruments at the end of the tank for flow control of bleach.
- Diurnal Storage Tank and Reclaimed Water Pumping Facility: Diurnal tank received some overflow modifications, a new gate valve, plant water suction pipe realignment and chlorine distribution pipe for storage tank inlet. There were also 5 new reuse pumps installed with flow control values on the reuse system.
- Sludge Drying Beds: Decommissioned all sludge drying beds to make room for the construction of the UV building, tertiary dual media filter building, filter feed pump station, and the future CFDAF building.

Solids Handling
Debris and grit are washed, dewatered, and discharged into a covered, roll-off bin and transported offsite to a nearby landfill for disposal.

As the RSWRF is not equipped to process WAS it is exported to the TMWRF, for treatment, through the Beckworth force main and lift station.

Effluent Management and Reuse
The Permittee provides tertiary treated, denitrified, and disinfected reclaimed water, which meets Category A bacteriological quality, per NAC 445A.276, to its reuse customers. Current users include Mayor's Park (owned by the City of Reno and therefore covered under NS2008500), North Valley Regional Sports Complex (NS0099011), Sierra Sage Golf Course (NS0099010), The Lakes at Lemmon Valley (NS2024509), O'Brien Middle School (NS2003513), and the proposed APWF (NS2025503). The Permittee is also authorized to provide reclaimed water for construction / dust suppression purposes via an onsite truck fill station. Furthermore, the Permittee is authorized to use Category A reclaimed water for onsite irrigation of landscaping. Additional reclaimed water users may be added to the permit via a modification upon request by the Permittee.

Treated effluent sent to Swan Lake shall meet, at a minimum, Category C bacteriological quality. Per NAC 445A.2766, approved uses of Category C bacteriological quality reclaimed water include impoundments (i.e., lake, reservoir, or lined holding basin) if public access to the impoundment is restricted and human

contact with the reclaimed water cannot reasonably be expected to occur. The Permittee is committed to limiting flows to Swan Lake to 2,072 acre-feet per year (675.16 million gallons per year). This value has a historic basis as it was used as one of the inputs to the Quad-Knopf Hydrologic Study (2007), which concluded that the Federal Emergency Management Agency (FEMA) Swan Lake base flood elevation would not be exceeded with RSWRF's discharges to the playa.

The Permittee's Reclaimed Water Management Plan (RWMP) was approved by the Division in July of 2020.

Design Flow (and basis) and Measurement & Current Capacity

The long-term 30-day average effluent (Outfall 200) flow rate, from July 2020 to June 2025, was 2.1 MGD. The highest daily maximum effluent flow was reported at 3.3 MGD. The daily maximum effluent flow was previously limited to 4.78 MGD; there were no exceedances of this limit. The long-term 30-day average influent (Outfall 100) flow rate, from July 2020 to June 2025, was 2.44 MGD. The highest daily maximum influent flow was reported at approximately 3.7 MGD. The daily maximum influent flow was previously limited to 5.28 MGD; there were no exceedances of this limit.

As previously stated, the facility recently underwent an expansion, increasing the treatment capacity. Due to the expansion, the Permittee has requested an increase in the daily maximum influent flow rate from 5.28 MGD (4.78 MGD daily maximum influent flow + 0.5 MGD for flow shave) to 8.88 MGD and the annual average influent flow rate from 2.51 MGD (2.01 MGD annual average influent flow + 0.5 MGD for flow shave) to 4.0 MGD.

As the Permittee has committed to continue limiting flows to Swan Lake to 2,072 acre-feet per year (see the *Effluent Management and Reuse* section of the Fact Sheet for further information), and as this renewal established an annual total flow limit for discharges to Swan Lake, the request has been approved.

The daily maximum effluent flow limit of 4.78 MGD has been changed to M&R as the influent flows are limited which also limits the effluent flow.

Pretreatment Program

The Permittee has an established pretreatment program. The Permittee utilized United States (U.S.) Environmental Protection Agency's (EPA's) Local Limits Development Guidance (EPA 833-R-04-002A, July 2004, 2004 Local Limits Guidance) as a framework for establishing local limits to protect RSWRF. As part of the Pretreatment Program regulating the RSWRF, the Permittee implements local limits to regulate the levels of pollutants of concern in wastewater discharges from users to prevent:

- Interference with and/or upset of RSWRF treatment operations
- Pass-through of conventional and toxic pollutants
- Harm to RSWRF or collection system infrastructure
- Contamination of municipal biosolids
- Worker exposure to chemical hazards

Local limits are periodically reviewed and, as necessary, revised to respond to changes in RSWRF infrastructure, operations, regulations, and user base. Local limits were most recently evaluated in 2017. RSWRF's existing local limits were adopted in November 2018.

There are currently no Significant Industrial Users (SIUs) located in other jurisdictions that discharge to RSWRF. According to the City of Reno's 2022 Annual Pretreatment Report, the City permits one (1) SIU and eight (8) categorical industrial users (CIUs). The SIU, which is the only user with process discharge, was inactive as of 2022. None of the CIUs currently discharge to the sewer system in the RSWRF service area.

The Permittee inspects each SIU once per year and conducts sampling, when process wastewater is discharged, to assess compliance with the applicable local and categorical limits. This monitoring varies

depending on the SIU's production activities, discharge volumes and the nature of the pollutants discharged from the industrial user. Specific sampling frequencies can be found in RSWRF's Annual Pretreatment Reports.

Operations & Maintenance (O&M) Manual status
The RSWRF's O&M Manual was last reviewed and approved in June of 2020. The Technical, Compliance, and Enforcement (TCE) Branch of the Bureau of Water Pollution Control (BWPC) requires O&M Manuals be updated every ten (10) years from the approval date of the previous O&M Manual. However, due to the recent expansion of the RSWRF and the proposed installation of the CFDAF, an updated O&M Manual, or an addendum to the O&M Manual, shall be due to the BWPC no later than three (3) months after substantial completion of the facility's upgrades.

Effluent Characterization
Nevada State Network Discharge Monitoring Report (NetDMR) data, as reported from July 2020 to June 2025, was reviewed as part of the permit renewal drafting process.

The only exceedance noted for Outfall 200 was for total nitrogen with a reported value of 17 mg/L in July of 2022. According to the Permittee, this exceedance was due to a calcium nitrate chemical spill at the facility.

One exceedance for fecal coliform was reported for Outfall R01 (formerly for discharges to Swan Lake), while three exceedances were reported for Outfalls R02 – R08. An exceedance of the daily maximum limit for Outfall R01 occurred in June of 2025 with a reported value of 2,420 most probable number (MPN) / 100 milliliters (mL). The Permittee noted that the reported value may have been due to interference from organic matter. The three exceedances for Outfalls R01 – R08 occurred in May of 2021, with a reported value of 26 MPN / 100 mL (daily maximum), and in April of 2024 with a reported value of 920 MPN / 100 mL (daily maximum) and 3.27 MPN / 100 mL (30-day geometric mean), respectively. The Permittee noted that the exceedance in May of 2021 was due to the filters being bypassed during the replacement of the old chlorine mixer and the exceedance in April of 2024 was due to possible cross-contamination of the sample.

No other exceedances were noted during the July 2020 to June 2025 reporting period.

Data reviewed during the renewal process does not indicate the potential for degradation of the receiving water body from the effluent discharged within the compliance limits of the proposed permit.

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 conditions of the receiving water. Common pollutants of concern for wastewater treatment plants that provide reclaimed water are total nitrogen and fecal coliform. Additional pollutants of concern are metals.

Receiving Water
Receiving water is groundwater and surface water of the State.

Groundwater receives reclaimed water via percolation from irrigation or dust suppression at approved reuse sites.

Surface water receives treated effluent through discharges to Swan Lake, which is a terminal playa lakebed, via Horse Creek. Swan Lake is classified as a water of the State, pursuant to Nevada Revised Statute (NRS) 445A.415, and not a waters of the United States.

Compliance History
The facility was considered to be in substantial compliance during the July 2020 to June 2025 reporting period.

Proposed Effluent Limitations

The Permittee is required to meet the following permit limits:

WWTP Discharge Limitations Table for Sample Location 100 (Influent Structure) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate[1]	Daily Maximum	<= 8.88 Million Gallons per Day (Mgal/d)[2]		Raw Sewage Influent	100	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Raw Sewage Influent	100	Continuous	METER
pH, minimum	Daily Minimum		M&R Standard Units (SU)	Raw Sewage Influent	100	Weekly	DISCRT
pH, maximum	Daily Maximum		M&R Standard Units (SU)	Raw Sewage Influent	100	Weekly	DISCRT
BOD, 5-day	Daily Maximum		M&R Milligrams per Liter (mg/L)	Raw Sewage Influent	100	Weekly	DISCRT
BOD, 5-day	30 Day Average		M&R Milligrams per Liter (mg/L)	Raw Sewage Influent	100	Weekly	DISCRT
Solids, total suspended	Daily Maximum		M&R Milligrams per Liter (mg/L)	Raw Sewage Influent	100	Weekly	DISCRT
Solids, total suspended	30 Day Average		M&R Milligrams per Liter (mg/L)	Raw Sewage Influent	100	Weekly	DISCRT

Notes (WWTP Discharge Limitations Table):

1. Report as measured at the influent measuring device; this includes flow-shave component for the day.
2. Peak daily flow per the approved design criteria; instantaneous flows are expected to vary and will be used by SCADA to determine the daily flow rate value.

WWTP Discharge Limitations Table for Sample Location 100 (Influent Structure) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	Annual Average	<= 4.0 Million Gallons per Day (Mgal/d)		Raw Sewage Influent	100	Continuous	CALCTD
1,2,4-Trichlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
1,2-Dichlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
1,2-Diphenylhydrazine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
1,3-Dichlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
1,4-Dichlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
2,4-Dinitrotoluene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
2,6-Dinitrotoluene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
2-Chloronaphthalene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
3,3-Dichlorobenzidine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
4-Bromophenyl phenyl ether	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT

WWTP Discharge Limitations Table for Sample Location 100 (Influent Structure) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
4-Chlorophenyl phenyl ether	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Acenaphthene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Acenaphthylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Anthracene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Benzidine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Benzo(a)anthracene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Benzo(a)pyrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Benzo(b)fluoranthene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Benzo(ghi)perylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Benzo(k)fluoranthene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Bis(2-chloroethoxy)methane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT

WWTP Discharge Limitations Table for Sample Location 100 (Influent Structure) To Be Reported Annually

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)	Raw Sewage Influent	100	Annual	DISCRT
Bis(2-chloroisopropyl) ether	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Bis(2-ethylhexyl) phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Butyl benzyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Chrysene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Dibenzo(a,h)anthracene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Diethyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Dimethyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Di-n-butyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Di-n-octyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Fluoranthene (Fluoranthene (Polynuclear Aromatic Hydrocarbon))	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT

WWTP Discharge Limitations Table for Sample Location 100 (Influent Structure) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Fluorene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Hexachlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Hexachlorobutadiene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Hexachlorocyclopentadiene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Hexachloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Indeno(1,2,3-cd)pyrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Isophorone	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Naphthalene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Nitrobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
N-Nitrosodimethylamine (NDMA)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
N-Nitrosodi-N-propylamine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT

WWTP Discharge Limitations Table for Sample Location 100 (Influent Structure) To Be Reported Annually

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)	Raw Sewage Influent	100	Annual	DISCRT
Phenanthrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Pyrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
1,1,1-Trichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
1,1,2,2-Tetrachloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
1,1,2-Trichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
1,1-Dichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
1,1-Dichloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
1,2-Dichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
1,2-Dichloropropane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
trans-1,2-Dichloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT

WWTP Discharge Limitations Table for Sample Location 100 (Influent Structure) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
1,3-Dichloropropene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
2-Chloroethyl vinyl ether, (mixed)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Acrolein	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Acrylonitrile	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Benzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Bromoform	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Carbon tetrachloride	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Chlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Chloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Chloroform	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Dibromochloromethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT

WWTP Discharge Limitations Table for Sample Location 100 (Influent Structure) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Dichlorobromomethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Ethylbenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Methyl bromide (Bromomethane)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Methyl chloride (Chloromethane)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Methylene chloride	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Tetrachloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Toluene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Trichloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Vinyl chloride	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
4,4-DDD	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
4,4-DDE	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT

WWTP Discharge Limitations Table for Sample Location 100 (Influent Structure) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
4,4-DDT	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Aldrin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
.alpha.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
.alpha.-Endosulfan	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
.beta.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
.beta.-Endosulfan	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Chlordane (tech mix. and metabolites)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
.delta.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Dieldrin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Endosulfan sulfate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Endrin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT

WWTP Discharge Limitations Table for Sample Location 100 (Influent Structure) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Endrin aldehyde	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
.gamma.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Heptachlor	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Heptachlor epoxide	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
PCB-1016	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
PCB-1221	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
PCB-1232	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
PCB-1242	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
PCB-1248	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
PCB-1254	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
PCB-1260	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT

WWTP Discharge Limitations Table for Sample Location 100 (Influent Structure) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Toxaphene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
2,4,6-Trichlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
2,4-Dichlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
2,4-Dimethylphenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
2,4-Dinitrophenol (Dinitrophenols)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
2-Chlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-2-Methylphenol)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
2-Nitrophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
4-Chloro-3-methylphenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
4-Nitrophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Pentachlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT

WWTP Discharge Limitations Table for Sample Location 100 (Influent Structure) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Phenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Antimony, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Arsenic, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Beryllium, total recoverable (as Be)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Cadmium, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Chromium, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Copper, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Lead, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Mercury, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Nickel, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Selenium, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT

WWTP Discharge Limitations Table for Sample Location 100 (Influent Structure) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Silver total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Thallium, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Zinc, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
2,3,7,8-Tetrachlorodibenzo-p-dioxin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT
Asbestos	Daily Maximum		M&R Fibers per Milliliter (Fib/mL)	Raw Sewage Influent	100	Annual	DISCRT
Cyanide, total (as CN)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Raw Sewage Influent	100	Annual	DISCRT

WWTP Discharge Limitations Table for Sample Location 200 (End Of Treatment At Uv) To Be Reported Monthly[1]

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)[2]		Effluent Gross	200	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	200	Continuous	METER
pH, minimum	Daily Minimum		>= 6.0 Standard Units (SU)	Effluent Gross	200	Weekly	GRAB
pH, maximum	Daily Maximum		<= 9.0 Standard Units (SU)	Effluent Gross	200	Weekly	GRAB
BOD, 5-day	7 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	200	Weekly	DISCRT
BOD, 5-day	30 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	200	Weekly	DISCRT
Solids, total suspended	7 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	200	Weekly	DISCRT
Solids, total suspended	30 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	200	Weekly	DISCRT
Nitrogen, total	Daily Maximum		< 10.0 Milligrams per Liter (mg/L)	Effluent Gross	200	Weekly	DISCRT
Nitrogen, total	30 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	200	Weekly	DISCRT
Coliform, total general	Daily Maximum		M&R Most Probable Number per 100ml T (MPN/100mL)[3]	Effluent Gross	200	Weekly	DISCRT
Coliform, total general	30 Day Geometric Mean		M&R Most Probable Number per 100ml T (MPN/100mL)[3]	Effluent Gross	200	Weekly	DISCRT

Notes (WWTP Discharge Limitations Table):

1. Effluent samples taken in compliance with the monitoring requirements specified in this table shall be taken at the end of the UV disinfection treatment train.
2. Design peak daily flow that facility is anticipated to be able to treat to meet performance indicators. Peak instantaneous flows may vary.
3. MPN / 100 mL or CFU / 100 mL.

WWTP Discharge Limitations Table for Sample Location 200 (End Of Treatment At Uv) To Be Reported Annually[1]

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	Annual Average	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	200	Annual	CALCTD
1,2,4-Trichlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
1,2-Dichlorobenzene (O-Dichlorobenzene)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
1,2-Diphenylhydrazine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
1,3-Dichlorobenzene (M-Dichlorobenzene)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
1,4-Dichlorobenzene (P-Dichlorobenzene)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
2,4-Dinitrotoluene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
2,6-Dinitrotoluene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
2-Chloronaphthalene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
3,3-Dichlorobenzidine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
4-Bromophenyl phenyl ether	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT

WWTP Discharge Limitations Table for Sample Location 200 (End Of Treatment At Uv) To Be Reported Annually[1]

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
4-Chlorophenyl phenyl ether	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Acenaphthene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Acenaphthylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Anthracene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Benzidine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Benzo(a)anthracene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Benzo(a)pyrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Benzo(b)fluoranthene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Benzo(ghi)perylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Benzo(k)fluoranthene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Bis(2-chloroethoxy)methane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 200 (End Of Treatment At Uv) To Be Reported Annually[1]

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Bis(2-chloroethyl) ether	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Bis(2-chloroisopropyl) ether	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Bis(2-ethylhexyl) phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Butyl benzyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Chrysene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Dibenzo(a,h)anthracene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Diethyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Dimethyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Di-n-butyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Di-n-octyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Fluoranthene (Fluoranthene (Polynuclear Aromatic Hydrocarbon))	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 200 (End Of Treatment At Uv) To Be Reported Annually[1]

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	200	Annual	DISCRT
Hexachlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Hexachlorobutadiene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Hexachlorocyclopentadiene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Hexachloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Indeno(1,2,3-cd)pyrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Isophorone	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Naphthalene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Nitrobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
N-Nitrosodimethylamine (NDMA)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
N-Nitrosodi-N-propylamine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 200 (End Of Treatment At Uv) To Be Reported Annually[1]

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
N-Nitrosodiphenylamine	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Phenanthrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Pyrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
1,1,1-Trichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
1,1,2,2-Tetrachloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
1,1,2-Trichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
1,1-Dichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
1,1-Dichloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
1,2-Dichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
1,2-Dichloropropane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
trans-1,2-Dichloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 200 (End Of Treatment At Uv) To Be Reported Annually[1]

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
1,3-Dichloropropene	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
2-Chloroethyl vinyl ether, (mixed)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Acrolein	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Acrylonitrile	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Benzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Bromoform	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Carbon Tetrachloride (Tetrachloromethane (Carbon Tetrachloride))	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Chlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Chloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Chloroform	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Dibromochloromethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 200 (End Of Treatment At Uv) To Be Reported Annually[1]

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Dichlorobromomethane	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Ethylbenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Methyl bromide (Bromomethane)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Methyl chloride (Chloromethane)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Methylene chloride	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Tetrachloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Toluene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Trichloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Vinyl Chloride (Chloroethylene (Vinyl))	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
4,4-DDD	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
4,4-DDE	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 200 (End Of Treatment At Uv) To Be Reported Annually[1]

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
4,4-DDT	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Aldrin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
.alpha.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
.alpha.-Endosulfan	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
.beta.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
.beta.-Endosulfan	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Chlordane (tech mix. and metabolites)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
.delta.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Dieldrin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Endosulfan sulfate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Endrin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 200 (End Of Treatment At Uv) To Be Reported Annually[1]

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Endrin aldehyde	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
.gamma.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Heptachlor	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Heptachlor epoxide	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
PCB-1016	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
PCB-1221	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
PCB-1232	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
PCB-1242	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
PCB-1248	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
PCB-1254	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
PCB-1260	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 200 (End Of Treatment At Uv) To Be Reported Annually[1]

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Toxaphene	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
2,4,6-Trichlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
2,4-Dichlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
2,4-Dimethylphenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
2,4-Dinitrophenol (Dinitrophenols)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
2-Chlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-2-Methylphenol)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
2-Nitrophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
4-Chloro-3-methylphenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
4-Nitrophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Pentachlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 200 (End Of Treatment At Uv) To Be Reported Annually[1]

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Phenol	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Antimony, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Arsenic, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Beryllium, total recoverable (as Be)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Cadmium, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Chromium, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Copper, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Lead, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Mercury, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Nickel, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Selenium, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 200 (End Of Treatment At Uv) To Be Reported Annually[1]

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Silver total recoverable	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Thallium, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Zinc, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
2,3,7,8-Tetrachlorodibenzo-p-dioxin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Asbestos	Daily Maximum		M&R Fibers per Milliliter (Fib/mL)	Effluent Gross	200	Annual	DISCRT
Cyanide, total (as CN)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Barium, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	200	Annual	DISCRT
Boron, total recoverable[2]	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	200	Annual	DISCRT
Fluoride, total (as F)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	200	Annual	DISCRT
Alkalinity, bicarbonate (as CaCO3)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	200	Annual	DISCRT
Alkalinity, total (as CaCO3)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	200	Annual	DISCRT
Aluminum, dissolved (as Al)	Daily Maximum		M&R Milligrams per Liter	Effluent Gross	200	Annual	DISCRT

WWTP Discharge Limitations Table for Sample Location 200 (End Of Treatment At Uv) To Be Reported Annually[1]

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
			(mg/L)				
Calcium, dissolved (as Ca)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	200	Annual	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	200	Annual	DISCRT
Iron, dissolved (as Fe)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	200	Annual	DISCRT
Magnesium, dissolved (as Mg)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	200	Annual	DISCRT
Manganese, dissolved (as Mn)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	200	Annual	DISCRT
Nitrite plus nitrate total 1 det. (as N)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	200	Annual	DISCRT
Potassium, dissolved (as K)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	200	Annual	DISCRT
Sodium, dissolved (as Na)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	200	Annual	DISCRT
Sulfate (as S)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	200	Annual	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	200	Annual	DISCRT
Uranium, natural, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	200	Annual	DISCRT

WWTP Discharge Limitations Table for Sample Location 200 (End Of Treatment At Uv) To Be Reported Annually[1]

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
1,1-Dichloropropene (Dichloropropenes)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
2,4-D Salts And Esters (2 4-D)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
2,4,5-TP(silvex) acids/salts, whole water sample	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
DDT	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Endosulfan, total	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Lindane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Methoxychlor	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Mirex	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT
Trihalomethane, tot.[3]	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	200	Annual	DISCRT

Notes (WWTP Discharge Limitations Table):

1. Chemical constituents listed in this table, except for Boron, represent US EPA priority pollutants, NDEP Profile 1, and toxic materials (NAC 445A.1236). Frequency of monitoring of priority pollutants is subject to stipulations of B.PT.NS.3.2.1.
2. Boron represents the chemical constituent listed exclusively under NAC 445A.121(7) and is not subject to pretreatment regulations.
3. Total trihalomethanes is the sum of the concentration of bromodichloromethane, dibromochloromethane, bromoform, and chloroform.

WWTP Discharge Limitations Table for Sample Location 201 (End Of Treatment At Chlorine Contact) To Be Reported Monthly[1][2]

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	201	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	201	Continuous	METER
pH, minimum	Daily Minimum		>= 6.0 Standard Units (SU)	Effluent Gross	201	Weekly	GRAB
pH, maximum	Daily Maximum		<= 9.0 Standard Units (SU)	Effluent Gross	201	Weekly	GRAB
BOD, 5-day	7 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	201	Weekly	DISCRT
BOD, 5-day	30 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	201	Weekly	DISCRT
Solids, total suspended	7 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	201	Weekly	DISCRT
Solids, total suspended	30 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	201	Weekly	DISCRT
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	201	Weekly	DISCRT
Nitrogen, total	30 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	201	Weekly	DISCRT
Coliform, total general	Daily Maximum		M&R Most Probable Number per 100ml T (MPN/100mL)[3]	Effluent Gross	201	Weekly	DISCRT
Coliform, total general	30 Day Geometric Mean		M&R Most Probable Number per 100ml T (MPN/100mL)[3]	Effluent Gross	201	Weekly	DISCRT

Notes (WWTP Discharge Limitations Table):

1. Effluent samples taken in compliance with the monitoring requirements specified in this table shall be taken at the end of the chlorine contact treatment train.
2. If this outfall cannot be sampled during the reporting period due to no discharge, use No Data Indicator (NODI) Code "C", for "No Discharge".
3. MPN / 100 mL or CFU / 100 mL.

WWTP Discharge Limitations Table for Sample Location 201 (End Of Treatment At Chlorine Contact) To Be Reported Annually[1][2]

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	Annual Average	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	201	Annual	CALCTD
1,2,4-Trichlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
1,2-Dichlorobenzene (O-Dichlorobenzene)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
1,2-Diphenylhydrazine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
1,3-Dichlorobenzene (M-Dichlorobenzene)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
1,4-Dichlorobenzene (P-Dichlorobenzene)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
2,4-Dinitrotoluene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
2,6-Dinitrotoluene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
2-Chloronaphthalene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
3,3-Dichlorobenzidine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
4-Bromophenyl phenyl ether	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT

WWTP Discharge Limitations Table for Sample Location 201 (End Of Treatment At Chlorine Contact) To Be Reported Annually[1][2]

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
4-Chlorophenyl phenyl ether	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Acenaphthene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Acenaphthylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Anthracene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Benzidine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Benzo(a)anthracene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Benzo(a)pyrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Benzo(b)fluoranthene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Benzo(ghi)perylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Benzo(k)fluoranthene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Bis(2-chloroethoxy)methane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 201 (End Of Treatment At Chlorine Contact) To Be Reported Annually[1][2]

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Bis(2-chloroethyl) ether	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Bis(2-chloroisopropyl) ether	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Bis(2-ethylhexyl) phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Butyl benzyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Chrysene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Dibenzo(a,h)anthracene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Diethyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Dimethyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Di-n-butyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Di-n-octyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Fluoranthene (Fluoranthene (Polynuclear Aromatic Hydrocarbon))	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 201 (End Of Treatment At Chlorine Contact) To Be Reported Annually[1][2]

	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	201	Annual	DISCRT
Hexachlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Hexachlorobutadiene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Hexachlorocyclopentadiene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Hexachloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Indeno(1,2,3-cd)pyrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Isophorone	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Naphthalene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Nitrobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
N-Nitrosodimethylamine (NDMA)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
N-Nitrosodi-N-propylamine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 201 (End Of Treatment At Chlorine Contact) To Be Reported Annually[1][2]

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
N-Nitrosodiphenylamine	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Phenanthrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Pyrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
1,1,1-Trichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
1,1,2,2-Tetrachloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
1,1,2-Trichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
1,1-Dichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
1,1-Dichloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
1,2-Dichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
1,2-Dichloropropane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
trans-1,2-Dichloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 201 (End Of Treatment At Chlorine Contact) To Be Reported Annually[1][2]

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
1,3-Dichloropropene	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
2-Chloroethyl vinyl ether, (mixed)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Acrolein	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Acrylonitrile	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Benzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Bromoform	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Carbon Tetrachloride (Tetrachloromethane (Carbon Tetrachloride))	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Chlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Chloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Chloroform	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Dibromochloromethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 201 (End Of Treatment At Chlorine Contact) To Be Reported Annually[1][2]

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Dichlorobromomethane	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Ethylbenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Methyl bromide (Bromomethane)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Methyl chloride (Chloromethane)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Methylene chloride	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Tetrachloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Toluene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Trichloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Vinyl chloride	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
4,4-DDD	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
4,4-DDE	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 201 (End Of Treatment At Chlorine Contact) To Be Reported Annually[1][2]

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
4,4-DDT	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Aldrin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
.alpha.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
.alpha.-Endosulfan	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
.beta.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
.beta.-Endosulfan	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Chlordane (tech mix. and metabolites)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
.delta.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Dieldrin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Endosulfan sulfate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Endrin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 201 (End Of Treatment At Chlorine Contact) To Be Reported Annually[1][2]

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Endrin aldehyde	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
.gamma.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Heptachlor	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Heptachlor epoxide	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
PCB-1016	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
PCB-1221	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
PCB-1232	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
PCB-1242	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
PCB-1248	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
PCB-1254	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
PCB-1260	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 201 (End Of Treatment At Chlorine Contact) To Be Reported Annually[1][2]

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Toxaphene	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
2,4,6-Trichlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
2,4-Dichlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
2,4-Dimethylphenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
2,4-Dinitrophenol (Dinitrophenols)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
2-Chlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-2-Methylphenol)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
2-Nitrophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
4-Chloro-3-methylphenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
4-Nitrophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Pentachlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 201 (End Of Treatment At Chlorine Contact) To Be Reported Annually[1][2]

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Phenol	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Antimony, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Arsenic, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Beryllium, total recoverable (as Be)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Cadmium, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Chromium, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Copper, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Lead, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Mercury, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Nickel, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Selenium, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 201 (End Of Treatment At Chlorine Contact) To Be Reported Annually[1][2]

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Silver total recoverable	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Thallium, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Zinc, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
2,3,7,8-Tetrachlorodibenzo-p-dioxin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Asbestos	Daily Maximum		M&R Fibers per Milliliter (Fib/mL)	Effluent Gross	201	Annual	DISCRT
Cyanide, total (as CN)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Barium, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	201	Annual	DISCRT
Boron, total recoverable[3]	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	201	Annual	DISCRT
Fluoride, total (as F)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	201	Annual	DISCRT
Alkalinity, bicarbonate (as CaCO3)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	201	Annual	DISCRT
Alkalinity, total (as CaCO3)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	201	Annual	DISCRT
Aluminum, dissolved (as Al)	Daily Maximum		M&R Milligrams per Liter	Effluent Gross	201	Annual	DISCRT

WWTP Discharge Limitations Table for Sample Location 201 (End Of Treatment At Chlorine Contact) To Be Reported Annually[1][2]

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
			(mg/L)				
Calcium, dissolved (as Ca)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	201	Annual	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	201	Annual	DISCRT
Iron, dissolved (as Fe)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	201	Annual	DISCRT
Magnesium, dissolved (as Mg)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	201	Annual	DISCRT
Manganese, dissolved (as Mn)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	201	Annual	DISCRT
Nitrite plus nitrate total 1 det. (as N)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	201	Annual	DISCRT
Potassium, dissolved (as K)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	201	Annual	DISCRT
Sodium, dissolved (as Na)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	201	Annual	DISCRT
Sulfate (as S)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	201	Annual	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	201	Annual	DISCRT
Uranium, natural, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	201	Annual	DISCRT

WWTP Discharge Limitations Table for Sample Location 201 (End Of Treatment At Chlorine Contact) To Be Reported Annually[1][2]

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
1,1-Dichloropropene (Dichloropropenes)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
2,4-D Salts And Esters (2 4-D)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
2,4,5-TP(silvex) acids/salts, whole water sample	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
DDT	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Endosulfan, total	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Lindane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Methoxychlor	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Mirex	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT
Trihalomethane, tot.[4]	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	201	Annual	DISCRT

Notes (WWTP Discharge Limitations Table):

1. Chemical constituents listed in this table, except for Boron, represent US EPA priority pollutants, NDEP Profile 1, and toxic materials (NAC 445A.1236). Frequency of monitoring of priority pollutants is subject to stipulations of B.PT.NS.3.2.1.
2. If this outfall cannot be sampled during the reporting period (Jan. - Dec.) due to no discharge, use No Data Indicator (NODI) Code "C", for "No Discharge".
3. Boron represents the chemical constituent listed exclusively under NAC 445A.121(7) and is not submitted to pretreatment regulations.
4. Total trihalomethanes is the sum of the concentration of bromodichloromethane, dibromochloromethane, bromoform, and chloroform.

WWTP Discharge Limitations Table for Sample Location Sum (Sum Of End Of Treatment Discharges) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	Daily Maximum[2]	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	SUM	Continuous	METER[1]
Flow rate	Monthly Average[3]	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	SUM	Continuous	METER
BOD, 5-day	7 Day Average		<= 45 Milligrams per Liter (mg/L)	Effluent Gross	SUM	Weekly	DISCRT
BOD, 5-day	30 Day Average		<= 30 Milligrams per Liter (mg/L)	Effluent Gross	SUM	Weekly	DISCRT
BOD, 5-day, percent removal	Monthly Average Minimum		>= 85 Percent (%)	Effluent Gross	SUM	Weekly	CALCTD[4]
Solids, total suspended	7 Day Average		<= 45 Milligrams per Liter (mg/L)	Effluent Gross	SUM	Weekly	DISCRT
Solids, total suspended	30 Day Average		<= 30 Milligrams per Liter (mg/L)	Effluent Gross	SUM	Weekly	DISCRT
Solids, suspended percent removal	Monthly Average Minimum		>= 85 Percent (%)	Effluent Gross	SUM	Weekly	CALCTD[4]
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	SUM	Weekly	DISCRT
Nitrogen, total	30 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	SUM	Weekly	DISCRT

Notes (WWTP Discharge Limitations Table):

1. If continuous monitoring using meters is not feasible, the same may be calculated and reported to reflect the discharges during the reporting period, at the end of treatment within the facility and prior to discharge to any of the reuse sites and/or to Horse Creek. Flows measured at the Outfall 400, raw sewage diverted to TMWRF, shall not be included.
2. The reported daily maximum flow shall be the sum of all treated discharges leaving the facility. This includes reclaimed water discharged for

reuse (R01 thru R08) during the report period.

3. The reported 30-day average flow shall be the sum of all treated discharges leaving the facility. This includes reclaimed water discharged for reuse (R01 thru R08) during the report period.
4. Calculate using the concentration (30-day average) of the influent (Outfall 100) and that of the combined concentration (30-day average) of the effluent (Outfalls 200 and 201).

WWTP Discharge Limitations Table for Sample Location Sum (Sum) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	Annual Average	M&R Million Gallons per Day (Mgal/d)[1]		Effluent Gross	SUM	Annual	CALCTD

Notes (WWTP Discharge Limitations Table):

1. Calculated using the flow measured at Outfalls 200 and 201 (not including flows from flow-shave operations).

Re-use Discharge Limitations Table for Sample Location 600 (Discharges To Swan Lake Via Horse Creek) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	600	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	600	Continuous	METER
Coliform, fecal general	Daily Maximum		<= 240 Most Probable Number per 100ml T (MPN/100mL)[1]	Prior to Reuse	600[2]	Weekly When Discharging	DISCRT
Coliform, fecal general	30 Day Geometric Mean		<= 23 Most Probable Number per 100ml T (MPN/100mL)[1]	Prior to Reuse	600[2]	Weekly When Discharging	DISCRT
Chlorine, free available	Daily Maximum		M&R Micrograms per Liter (ug/L)	Prior to Reuse	600	Weekly When Discharging	GRAB
Chlorine, free available	30 Day Average		M&R Micrograms per Liter (ug/L)	Prior to Reuse	600	Weekly When Discharging	GRAB
Nitrogen, total[3]	Monthly Average		M&R Milligrams per Liter (mg/L)	Prior to Reuse	600	Weekly When Discharging	DISCRT

Notes (Re-use Discharge Limitations Table):

1. Fecal coliform limits are consistent with Category C bacteriological quality, pursuant to NAC 445A.276.
2. Point of compliance for fecal coliform shall be located past both the tertiary treatment units, namely the ultraviolet disinfection process and the chlorine contact basin, and as applicable, consistent with the actual and permitted operations during the reporting period.
3. Total nitrogen values may be reported as sampled at the end of treatment outfall location 200 as the treated effluent from this outfall will primarily be sent for reuse.

Re-use Discharge Limitations Table for Sample Location 600 (Discharges To Swan Lake Via Horse Creek) To Be Reported Annually[1][2]

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow, total	Annual Total	<= 675.2 Million Gallons (Mgal)[3]		Prior to Reuse	600	Continuous	CALCTD
Nitrogen, total	Annual Average		M&R Milligrams per Liter (mg/L)	Prior to Reuse	600	Annual	CALCTD
Arsenic, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Prior to Reuse	600	Annual	DISCRT
Barium, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Prior to Reuse	600	Annual	DISCRT
Boron, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Prior to Reuse	600	Annual	DISCRT
Cadmium, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Prior to Reuse	600	Annual	DISCRT
Chromium, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Prior to Reuse	600	Annual	DISCRT
Copper, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Prior to Reuse	600	Annual	DISCRT
Cyanide, total (as CN)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Prior to Reuse	600	Annual	DISCRT
Fluoride, total (as F)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Prior to Reuse	600	Annual	DISCRT
Lead, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Prior to Reuse	600	Annual	DISCRT
			M&R				

Re-use Discharge Limitations Table for Sample Location 600 (Discharges To Swan Lake Via Horse Creek) To Be Reported Annually[1][2]

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Selenium, total recoverable	Daily Maximum		Milligrams per Liter (mg/L)	Prior to Reuse	600	Annual	DISCRT
Silver total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Prior to Reuse	600	Annual	DISCRT
Zinc, total recoverable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Prior to Reuse	600	Annual	DISCRT

Notes (Re-use Discharge Limitations Table):

1. Metal parameters listed here are consistent with the metal constituents referred in NAC 445A.121(7).
2. Except for flow rate, the data for all other parameters may be reported from the sampling conducted at the outfall representing the end of the treatment (Outfall 200).
3. Total annual flow limit is based on 2,072 acre-ft per year.

Re-use Discharge Limitations Table for Sample Location R01 (Advanced Purified Water Facility (Ns2025503)) To Be Reported Monthly[1]

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	R01	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	R01	Continuous	METER

Notes (Re-use Discharge Limitations Table):

1. Discharge of treated effluent from RSWRF to APWF.

Re-use Discharge Limitations Table for Sample Location R02 (Reuse For Onsite Landscape Irrigation) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	R02	Daily When Discharging	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	R02	Daily When Discharging	METER
Flow rate	Monthly Total	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	R02	Daily When Discharging	METER

Re-use Discharge Limitations Table for Sample Location R03 (Onsite Truck Fill Station) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	R03	Daily When Discharging	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	R03	Daily When Discharging	METER
Flow rate	Monthly Total	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	R03	Daily When Discharging	METER

Re-use Discharge Limitations Table for Sample Location R04 (Mayor's Park) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	R04	Daily When Discharging	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	R04	Daily When Discharging	METER
Flow rate	Monthly Total	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	R04	Daily When Discharging	METER

Re-use Discharge Limitations Table for Sample Location R05 (North Valley Regional Complex (Ns0099011)) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	R05	Daily When Discharging	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	R05	Daily When Discharging	METER
Flow rate	Monthly Total	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	R05	Daily When Discharging	METER

Re-use Discharge Limitations Table for Sample Location R06 (Sierra Sage Golf Course (Ns0099010)) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	R06	Daily When Discharging	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	R06	Daily When Discharging	METER
Flow rate	Monthly Total	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	R06	Daily When Discharging	METER

Re-use Discharge Limitations Table for Sample Location R07 (The Lakes At Lemmon Valley (Ns2024509)) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	R07	Daily When Discharging	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	R07	Daily When Discharging	METER
Flow rate	Monthly Total	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	R07	Daily When Discharging	METER

Re-use Discharge Limitations Table for Sample Location R08 (O'brien Middle School (Ns2003513)) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	R08	Daily When Discharging	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	R08	Daily When Discharging	METER
Flow rate	Monthly Total	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	R08	Daily When Discharging	METER

Re-use Discharge Limitations Table for Sample Location R0t (Sum Of Reclaimed Water For Outfalls R02 - R08) To Be Reported Monthly[1]

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Nitrogen, total	Monthly Average		M&R Milligrams per Liter (mg/L)	Prior to Reuse	R0T	Daily When Discharging	DISCRT
Coliform, total general[2]	Daily Maximum		<= 23 Most Probable Number per 100ml T (MPN/100mL)[3]	Prior to Reuse	R0T	Weekly When Discharging	DISCRT
Coliform, total general[2]	30 Day Geometric Mean		<= 2.2 Most Probable Number per 100ml T (MPN/100mL)[3]	Prior to Reuse	R0T	Weekly When Discharging	DISCRT

Notes (Re-use Discharge Limitations Table):

1. Data for these parameters may be reported from the sampling conducted at the outfall representing the end of the treatment (Outfall 200).
2. Point of compliance for coliform shall be located past both the disinfection treatment units, namely the ultraviolet disinfection process and the chlorine contact basin and, as applicable, consistent with the actual and permitted operations during the reporting period.
3. Coliform limits are consistent with the Category A bacteriological quality for reuse (NAC 445A.276). MPN / 100 mL or CFU / 100 mL.

NS OTHER - Discharge Limitations Table for Sample Location 400 (Flow-Shave/Raw Sewage Diverted Through Diversion Pump Station To Tmwrf) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Other Treatment, Process Complete[1]	400	Daily When Discharging	METER
Flow, total	Monthly Total	M&R Million Gallons (Mgal)		Other Treatment, Process Complete[1]	400	Daily When Discharging	METER

Notes (NS OTHER - Discharge Limitations Table):

1. Screened raw-sewage diverted to solids holding tank through diversion pump station.

NS OTHER - Discharge Limitations Table for Sample Location 500 (Flows From Solids Pump Station To Beckworth Force Main) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate[1]	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Alternate Process[1]	500	Continuous	METER
Flow rate[1]	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Alternate Process[1]	500	Continuous	METER

Notes (NS OTHER - Discharge Limitations Table):

1. This flow component represents the combined flow that consists of screened raw sewage (flow-shave), WAS, and any other process waste streams discharged to the Beckworth force main.

Summary of Changes From Previous Permit
OUTFALL 100:

Monthly Table:

- The proposed permit replaces the daily maximum influent flow limit of 5.28 MGD with a limit of 8.88 MGD.
- The requirement to report the daily maximum value for 5-day biochemical oxygen demand (BOD5) and total suspended solids (TSS) has been added.
- Footnote #2 was removed.
- The previous footnote #3 is now identified as footnote #2.

Annual Table:

- The annual table for Outfall 100 was moved from the 'NS Other – Discharge Limitations Table' to the 'WWTP Discharge Limitations Table'.
- The proposed permit replaces the annual average influent flow rate of 2.51 MGD with a limit of 4.0 MGD.
- The sample type for the annual average flow rate was changed from ‘METER’ to ‘CALCTD’.
- The sample type for all other parameters was set to ‘DISCRT’.

OUTFALL 200:

- The proposed permit changes the previous naming convention for Outfall 200 from ‘End of Treatment’ to ‘End of Treatment at UV’.

Monthly Table:

- The daily maximum effluent flow rate was changed from 4.78 MGD to M&R.
- The 7-day and 30-day average for BOD5 was changed from 45 mg/L and 30 mg/L, respectively, to M&R.
- The monthly minimum BOD5 percent removal of >= 85% was removed.
- The 7-day and 30-day average for TSS was changed from 45 mg/L and 30 mg/L, respectively, to M&R.

- The monthly minimum TSS percent removal of >= 85% was removed.
- The requirement to report the daily maximum and 30-day geometric mean for total general coliform has been added.
- Footnote #1 was changed to now state, “Effluent samples taken in compliance with the monitoring requirements specified in this table shall be taken at the end of the UV disinfection treatment train.”
- Footnotes #2, # 3, #4, and #6 were removed.
- Footnote #5 has been renumbered to #2.
- Footnote #3, which states, “MPN / 100 mL or CFU / 100 mL.” was added.

Annual Table:

- The annual average effluent flow rate of 2.01 MGD was changed to M&R.
- The sample type for the annual average effluent flow rate was changed from ‘METER’ to ‘CALCTD’.
- The sample type for all other parameters was set to ‘DISCRT’.
- Profile 1 constituents were added.
- Toxic material (NAC 445A.1236) constituents were added.
- Updated footnote #1 from,” Boron, Barium, and Fluoride listed in this table represent the chemical constituents listed exclusively under NAC445A.121(7) and are not subject to pretreatment regulations.” to, “Boron represents the chemical constituent listed exclusively under NAC 445A.121(7) and is not subject to pretreatment regulations.”
- Footnotes #1 and #2 have been switched so that #2 is now #1 and #1 is now #2.
- Updated footnote #1 from, “Chemical constituents listed in this table, except for Boron, Fluoride, and Barium, represent US EPA priority pollutants. Frequency of monitoring is subject to stipulations of B.PT.NS.3.2.1.” to, “Chemical constituents listed in this table, expect for Boron, represent US EPA priority pollutants, NDEP Profile 1, and toxic materials (NAC 445A.1236). Frequency of monitoring for priority pollutants is subject to stipulations of B.PT.NS.3.2.1.”
- The previous footnote #3 has been removed and replaced with the following, “Total trihalomethanes is the sum of the concentration of bromodichloromethane, dibromochloromethane, bromoform, and chloroform.”

OUTFALL 201:

- The proposed permit establishes Outfall 201 for the ‘End of Treatment at Chlorine Contact’.
- A monthly and annual table has been established. Both tables, except for a few of the footnotes, are identical to the monthly and annual tables for Outfall 200.

OUTFALL 300:

- Outfall 300 has been removed from the permit.

OUTFALL 400:

Monthly Table:

- The daily maximum flow-shave flow rate has been changed from less than 0.50 MGD to M&R.

OUTFALL 500:

Monthly Table:

- Footnote #1 was updated to reflect the name change of 'Golden Valley force main' to 'Beckworth force main'.

Once During the Permit Term Table:

- This table has been removed.

OUTFALL 600:

- The proposed permit establishes Outfall 600, for ‘Discharges to Swan Lake via Horse Creek’.
- The proposed permit establishes a monthly and annual table.

Monthly Table:

- The requirement to report flow, total nitrogen, general fecal coliform, free available chlorine, and total residual chlorine has been established.

Annual Table:

- A total annual effluent flow limit of 675.2 million gallons per year has been established.
- The requirement to report total nitrogen, total recoverable arsenic, barium, boron, cadmium, chromium, copper, lead, selenium, silver, and zinc, and total cyanide, and fluoride has been established.

OUTFALL R01:

Monthly Table:

- The proposed permit changes Outfall R01, from ‘Discharges to Swan Lake via Horse Creek’, to the ‘Advanced Purified Water Facility (NS2025503)’.
- The monitoring location of ‘Effluent Gross (Supplementary)’ has been changed to ‘Effluent Gross’.
- The requirement to report total nitrogen, general fecal coliform, free available chlorine, and total residual chlorine has been removed.
- The monthly table was moved from the 'WWTP Discharge Limitations Table' to the 'Re-use Discharge Limitations Table'.
- Footnote #1 was rephrased to now state, “Discharge of treated effluent from RSWRF to APWF.”.
- Footnotes #2 through #4 were removed.

OUTFALLS R02, R03, R04, R05, R06, R07, and R08:

Monthly Tables:

- The monthly table for Outfall R02 was moved from the 'WWTP Discharge Limitations Table' to the 'Re-use Discharge Limitations Table'.
- The measurement frequency for flow rate was changed from 'Continuous' to 'Daily When Discharging'.
- The monitoring location for all parameters was changed to 'Prior to Reuse'.
- Total nitrogen and total general coliform were deleted.
- All the footnotes were deleted.

OUTFALL R0T:

- The proposed permit establishes Outfall R0T for the sum of reclaimed water for Outfalls R01 – R08.

Monthly Table:

- The requirement to report total nitrogen and total general coliform has been established.

OUTFALL SUM:

Monthly Table:

- The daily maximum effluent flow limit has been changed from 4.78 MGD to M&R.
- The requirement to report the 7-day and 30-day average for BOD5 has been established with a limit of 45 mg/L and 30 mg/L, respectively.
- The requirement to report the monthly average minimum percent removal for BOD5 has been established with a minimum limit of 85%.
- The requirement to report the 7-day and 30-day average for TSS has been established with a limit of 45 mg/L and 30 mg/L, respectively.

- The requirement to report the monthly average minimum percent removal for TSS has been established with a minimum limit of 85%.
- The requirement to report the daily maximum and 30-day average total nitrogen has been established with a daily maximum limit of 10 mg/L.
- Footnote #1 was deleted.
- Footnote #2 was renumbered to Footnote #1.
- Footnotes #2, #3, and #4 have been added.

Annual Table:

- The proposed permit establishes an annual table.
- The requirement to report the annual average flow rate has been established.

OTHER CHANGES:

- Special Approvals / Conditions Items #3 through #11 and Items #13 through #17 have been removed. Item #12 is now listed as Item #3. Item #4 has been established and requires the Permittee to submit an updated O&M Manual, or an addendum, within 180 days of substantial completion of the facility's expansion.
- Schedule of Compliance (SOC) Table Items #2 and #13 were combined and moved to the Special Approvals / Conditions Table and is listed as Item #1. Except for Item #6 (now listed as Item #1 in the SOC table) all other items in the SOC table were removed.
- Item #4 of the DLV – Deliverable Schedule for Reports, Plans, and Other Submittals was removed as it is already listed in the SOC – Schedule of Compliance Table as Item #1.
- The Process Flow Diagram attachment was removed from the permit, and an updated Flow Diagram was attached to the Fact Sheet.
- Appendix A, B, and C attachments were removed from the fact sheet.

Technology Based Effluent Limitations

Technology based effluent limitations (TBELs) are required, as promulgated, by the US EPA for Publicly Owned Treatment Works (POTWs). US EPA published federal secondary treatment standards at Title 40, Section 133, of the Code of Federal Regulations (CFR), 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 as a maximum concentration of BOD5 and TSS of 30 mg/L for the monthly average and 45 mg/L for the 7-day average. In addition to describing the minimum levels of effluent quality attainable by secondary treatment, 40 CFR 133.102 states that the monthly average percent removal for 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 limits for BOD5 and TSS.

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

- BOD5 – The 7-day average threshold is limited to 45 mg/L and the 30-day average threshold is limited to 30 mg/L.
- TSS – The 7-day average threshold is limited to 45 mg/L and the 30-day average is limited to 30 mg/L.

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

- The monthly average minimum percent removal for BOD5 is less than or equal to 85%.
- The monthly average minimum percent removal for TSS is less than or equal to 85%.
- The daily maximum pH is limited to 9.0 standard units (S.U.) and the daily minimum is limited to 6.0 S.U.

Water Quality Based Effluent Limitations
Swan Lake is classified as a water of the State, pursuant to NRS 445A.415, and not a waters of the United States. However, it is considered a “non-designated” surface water, as specific water quality standards have not been formally adopted for this water body. As such, the general narrative criteria applicable to all surface waters, as outlined in NAC 445A.121, apply. Water quality-based effluent limitations are not required under this permit.

Proposed Water Quality Based Effluent Limits (monthly/weekly/daily)
See the *Water Quality Based Effluent Limitations* section of the Fact Sheet for further information.

Basis for Effluent Limitations
There are currently no specific water quality standards that have been formally adopted by the State for Swan Lake (i.e., referred to as a “non-designated” surface water) or groundwater. However, the Division has the discretion to implement effluent limitations outside water quality standards per NAC 445A.243, which states, “In establishing an effluent limitation to carry out the policy of this State set forth in 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.” Furthermore, per NRS 445A.490, “No permit may be issued which authorizes any discharge or inject 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.”

It is under this discretion that the proposed permit establishes the requirement to sample for Profile 1 parameters for Outfall 200. Although the previous fact sheet stated, “...reclaimed effluent diverted to reuse sites shall be monitored for the parameters commonly referred to as Division’s Profile 1 list.”, Outfalls 200 did not actually include all of the constituents for Profile 1. This may have been an oversight as the permit requires Outfall 200 to be sampled for US EPA’s Priority Pollutants, which includes several constituents found in Profile 1. Due to cross over of these constituents, it may have appeared that Outfall 200 included all of the Profile 1 constituents. Only those parameters that are just included in the Profile 1 list, and as appropriate, are listed as dissolved. Parameters that are included in both the Prioroity Pollutant list and the Profile 1 list are, as appropriate, listed as total recoverable. Outfall 201, added during this renewal, shall also be sampled for Profile 1.

Additionally, the proposed permit establishes the requirement to sample for the toxic materials found at NAC 445A.1236. Although the standards listed at NAC 445A.1236 are applicable to designated waters, which Swan Lake is not, NAC 445A.243 and NRS 445A.490, allow the Division the discretion to implement effluent limits outside water quality standards. Most of the toxic materials listed at NAC 445A.1236 are already included in US EPA's Priority Pollutants list. Those that were not included (i.e., DDT; 2,4-D Salts and Esters (2,4-D); 1,1-Dichloropropene (Dichloropropenes); Endosulfan, Total; Lindane; Methoxychlor; Mirex; 2,4,5-TP (silvex) acids/salts, whole water sample; and Trihalomethane, tot) have been added as part of this permit renewal. Only parameters under the municipal or domestic supply beneficial use standards are applicable as discharges from the RSWRF (and by default from the APWF) to groundwater is considered an existing or potential source of drinking water (NRS 445A.490).

The proposed permit retains the requirement to sample for US EPA’s Priority Pollutants for Outfalls 100 and 200 per pretreatment regulations and is added to Outfall 201.

The proposed permit retains the requirement to sample for 1,3-dichloropropene. This constituent is not listed in the Priority Pollutant list, the Profile 1 list, or the toxic materials list; however, it was included in the previous permit. Therefore, to meet the anti-backsliding requirements, the permit retains this constituent.

The proposed permit retains the requirement to sample for metals, as listed at NAC 445A.121(7), for Outfall 600 (formerly this requirement was under Outfall R01 for discharges to Swan Lake). Additionally, the requirement to sample for boron, barium, and fluoride, as listed in NAC 445A.121(7) is retained for Outfall 200 and added to Outfall 201.

The proposed permit removed the requirement to report 'Coliform, total general' and 'Nitrogen, total' for Outfalls R02 through R08. This change is proposed as the facility samples for these constituents at the

end of treatment and the same result is reported for the aforementioned outfalls. To reduce the amount of redundancy, the proposed permit establishes the requirement to report 'Coliform, total general' and 'Nitrogen, total' for Outfall R0T.

The proposed permit retains the requirement to monitor the discharge to Swan Lake for total residual chlorine as there may be the potential for aquatic life (e.g., mosquito fish) to come in contact with the reclaimed water.

The proposed permit establishes the requirement to sample for 'Nitrogen, total' and 'Coliform, total general' for Outfall R01 to assess the quality of reclaimed water being supplied and for the protection of human health and the environment.

The requirement to sample Outfall 500 for Profile 1 once during the permit term has been removed. This outfall is for flows (including WAS, flow-shave, and process waste streams) from the solids pump station at RSWRF to the Beckworth force main, to the Beckworth lift station, and then to TMWRF. The flows enter the headworks at TMWRF and undergo treatment before being discharged. Therefore, as TMWRF provides treatment to this waste stream, sampling of this outfall provides no beneficial information to the Division.

WAS has been sent to TMWRF since 2004. The outfall for WAS (formerly Outfall 300), was included in the 2018 renewal of the permit to account for all flows sent to TMWRF; however, the Division no longer needs flow data for WAS. Therefore, Outfall 300 has been removed. Furthermore, this change is consistent with other permitted facilities that send their WAS to other POTWs.

Anti-backsliding

To prevent backsliding, effluent limitations in reissued permits are required to be as stringent as those in the previous permit with some exceptions.

For Outfall 100, the daily maximum influent flow limit of 5.28 MGD was increased to 8.88 MGD, and the annual average influent flow limit of 2.51 MGD was increased to 4.0 MGD. The increase in influent flow rates is reflective of the facility's updated design criteria following an expansion. As the Permittee has committed to continue limiting flows to Swan Lake to 2,072 acre-feet per year (see the *Effluent Management and Reuse* section of the Fact Sheet for further information), and as this renewal established an annual total flow limit for discharges to Swan Lake, the proposed permit includes the updated flow rate limits. This does not make the permit less stringent as there will not be an increase in discharges to Swan Lake.

For Outfalls R02 through R08, the measurement frequency for the flow rate was changed from 'Continuous' to 'Daily When Discharging'. This change was made as Outfalls R02 through R08 are for the use of reclaimed water for irrigation. Irrigation is seasonal and therefore, flow is not continuous. Changing the flow rate to 'Daily When Discharging' will still capture the daily maximum flow rate for each outfall. Hence this change does not make the permit less stringent than the previous permit.

For Outfalls R02 through R08, the requirement to sample for 'Nitrogen, total' and 'Coliform, total general' were removed. Instead of completely removing this requirement from the permit, the requirement to sample for these two constituents was moved to Outfall R0T which is for the sum of reclaimed water for Outfalls R02 through R09. Therefore, the permit still retains the requirement to report 'Nitrogen, total' and 'Coliform, total general', but places it in a different Outfall. This change does not make the permit less stringent than the previous permit.

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 section 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. This objective is achieved through the implementation of procedures to ensure that waters are protected from regulated activities that have the potential to degrade the water quality. The regulation uses four (4) tiers of antidegradation protection. Tier 1 protects water quality for beneficial uses of the water on a parameter-by-parameter basis. Tier 2 protects high-quality waters where data show the water quality is better than levels needed to protect beneficial uses (on a parameter-by-parameter basis). Tier 2.5 and Tier 3 protect water quality and the special characteristics of waterbodies designated with the beneficial use of "extraordinary, ecological, aesthetic or recreational value" (NAC 445A.122). The Division will conduct an antidegradation review only when a permit application is submitted for a new or expanding point source discharge to a surface water or for a new or altered zone of mixing.

Although the Permittee has requested an increase in the influent flow rate limits, there will not be an increase of discharges to Swan Lake. Therefore, as there are no changes to the amount of flow to Swan Lake and there are no changes to the waste stream, a formal antidegradation review is not required.

Special Conditions
See the Special Approvals / Conditions Table.

SA – Special Approvals / Conditions Table

Item #	Description
1	The Permittee may request to have additional reuse sites added to the permit, via a modification. Discharge to new reuse site(s) is contingent upon Division approvals and permits being obtained for the new reuse site(s) by the entity(ies) in responsible charge for each of such site(s).
2	This permit may be modified, via a modification, if the current classification of the receiving waterbody, Swan Lake, changes pursuant to NAC 445A.123.
3	The Permittee is exempt from screening the sludge for priority pollutants as stipulated in the pretreatment program-related boilerplate language (specifically B.PT.NS.3.2.1.). This exemption is consistent with the pretreatment regulations since the Permittee does not discharge biosolids/sludge to the environment, and all of the WAS is received by the TMWRF as influent.
4	Within 180 days of substantial completion of the expansion at the facility, the Permittee shall submit two copies (one digital and one hard copy) of an updated Operations and Maintenance (O&M) Manual, or an addendum to incorporate necessary updates to the O&M Manual as it is relevant to the upgrades at the facility. The O&M Manual, or addendum, shall be prepared and stamped by a Nevada professional engineer.

Discharges From Future Outfalls/ Planned Facility Changes
The Permittee is proposing to install a CFDAF during this permit cycle.

The Permittee is also proposing to send reclaimed water to the proposed APWF.

Per Special Approvals / Conditions Item #1, the Permittee may request to add new reuse sites via a modification to the permit.

Corrective Action Sites
There are two Bureau of Corrective Actions (BCA) sites located within a one-mile radius of the facility. The first site (D-000169) was for the release of an unnamed contaminant to the soil. The second site (D-001280) was for the release of solvents to the groundwater. Discharges from the facility are not expected to negatively impact the BCA sites.

Wellhead Protection Program
RSWRF's point of reclaimed water discharge to Swan Lake is located within the 10-year capture zone, 3,000-foot radius, drinking water protection area (DWPA) of one Public Water Supply (PWS) Well. The facility is outside all other DWPAs. The facility is not within any Well Head Protection Area (WHPA) which represents an approximate 10-year capture zone of a well. Based on the confined nature of the aquifer and

well construction, the PWS wells are deemed to have a low vulnerability to surface contamination from discharges originating from the RSWRF.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall evaluate their Pretreatment program once every permit cycle and provide a written technical evaluation to the Division (see Section B.PT.NS.3.3 of the permit). When applicable, such evaluation shall also include details of need to revise local limits.	10/28/2031

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly Report	Quarterly	10/28/2026
2	Annual Report	Annually	1/28/2027
3	Annual Pretreatment Program Monitoring Report (see section B.PT.NS.3.2 of the permit)	Annually	10/28/2026

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. **6/22/2026,** 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.

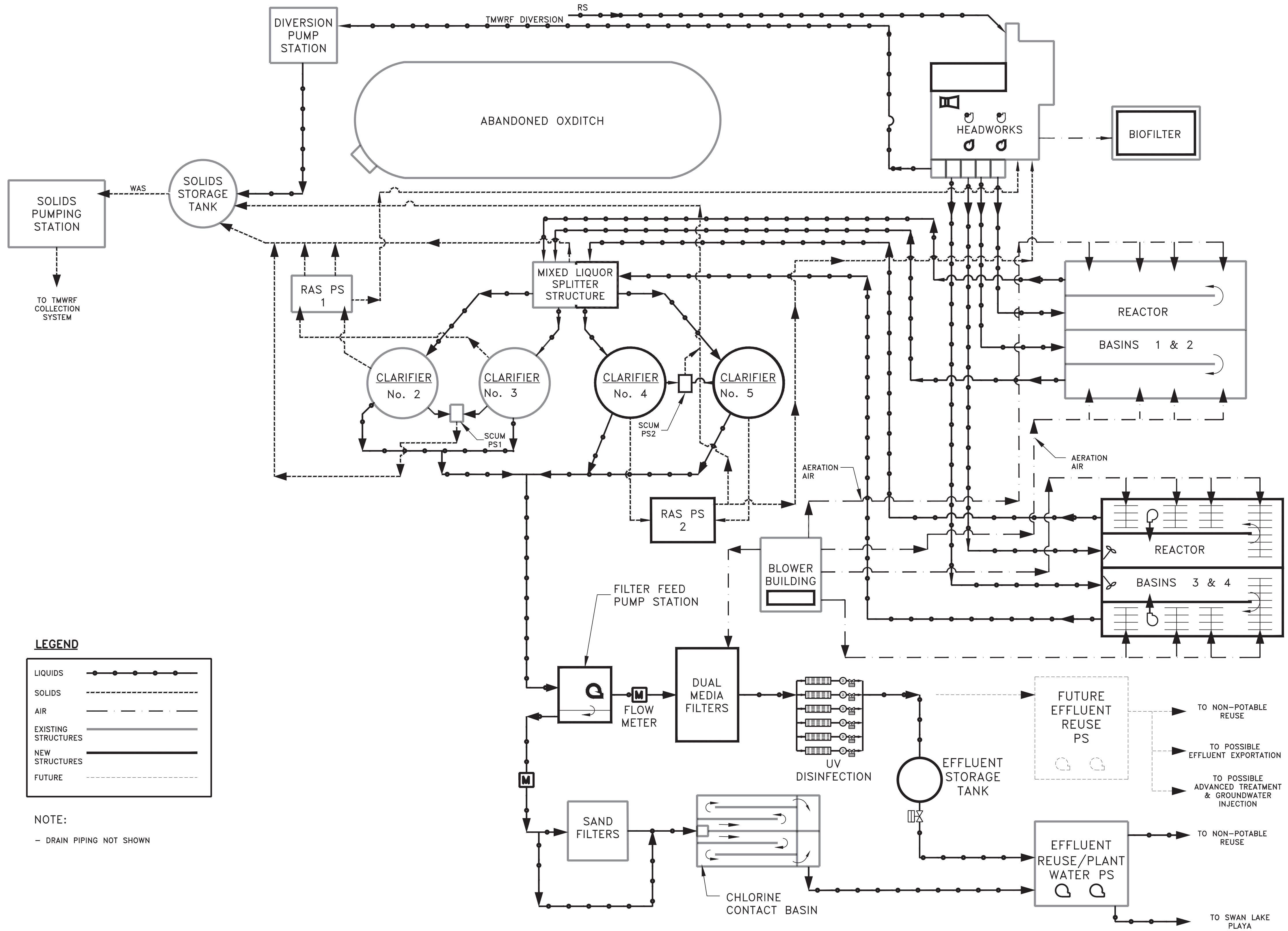
The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination:

The Division has made the tentative determination to issue/re-issue the proposed 5-year permit.

Prepared by: **Bonnie Hartley**
Date: **5/20/2026**
Title: **Staff II, Associate Engineer**



Issued			
RECORD DRAWING	BPC	SLB	23.04.20
FOR CONSTRUCTION	BPC	SLB	20.06
FOR REMITTANCE	VJS	SLB	19.11.15
Issued	By	Appd.	YY.MM.DD

Record Document

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THE DESIGN PROFESSIONAL HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY.

DRAWING ORIGINALLY STAMPED & SIGNED BY BETH PEARL COHEN CIVIL No. 025870

RECORD DRAWING

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.
The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

BAR IS ONE INCH AT FULL SCALE
0 1"
IF NOT ONE INCH ON THIS SHEET SCALE ACCORDINGLY

Stantec
3875 Atherton Rd
Rocklin CA
95765
Tel. 916.773.8100
Fax. 916.773.8448
www.stantec.com

Client / Project
City of Reno
Reno Stead Water Reclamation Facility
4 MGD Expansion Project
Washoe County, NV

Project No. 184030573

ASB	VJS	BPC	23.04.20
Drawn	Checked	Designed	YY.MM.DD

Title
PROCESS FLOW DIAGRAM

Drawing No.	Sheet	Scale	
G012	12 of 431	NONE	Revision 0

V:\1840\active\184030573\drawings\ACT\30573-G012.dwg
2023/03/17 1:16 PM By: Bortos, Andy

ORIGINAL SHEET - ANSI D HORIZ