

FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: TRI GENERAL IMPROVEMENT DISTRICT

440 USA PARKWAY, SUITE 105
MCCARRAN, NV 89437

Permit Number: NS2000502

Permit Type: GROUNDWATER DISCHARGE

Designation: GROUNDWATER

New/Existing: EXISTING

Location: TRI-GID WWTP, STOREY
145 BRITAIN WAY, MCCARRAN, NV 89434
LATITUDE: 39.550410, LONGITUDE: -119.478930
TOWNSHIP: T20N, RANGE: R22E, SECTION: S34

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Latitude	Longitude	Receiving Water
001	EFFLUENT	External Outfall		39.5482	-119.4821	GROUNDWATER
002	ONSITE LANDSCAPE IRRIGATION	External Outfall		39.5601	-119.5037	GROUNDWATER
003	TRUCK FILL STATION(S)	External Outfall		39.5493	-119.4821	GROUNDWATER
004	EMERGENCY POND	Internal Outfall		39.5597	-119.5040	GROUNDWATER
005	RECLAIM WATER FROM TMWRF TO TRI-GID'S RESERVOIR	External Outfall		39.5482	-119.4821	GROUNDWATER
006	DISCHARGES FROM RESERVOIR TO WASH	External Outfall		39.5502	-119.4763	GROUNDWATER
007	DISCHARGES FROM RESERVOIR TO TRENCHES	External Outfall		39.5491	-119.4720	GROUNDWATER
008	DISCHARGES FROM RESERVOIR TO USERS	External Outfall		39.5488	-119.4779	GROUNDWATER
009	EXPORT PIPELINE FROM TMWRF TO TRI-GID	External Outfall		39.5580	-119.5068	GROUNDWATER
010	REDWOOD MATERIALS	External Outfall		39.4948	-119.4465	GROUNDWATER
011	SWITCH	External Outfall		39.5141	-119.4746	GROUNDWATER
012	STERICYCLE	External Outfall		39.5545	-119.4363	GROUNDWATER
013	TESLA	External Outfall		39.5390	-119.4406	GROUNDWATER
014	GOPHER CONSTRUCTION	External Outfall		39.5569	-119.5048	GROUNDWATER
015	F&P CONSTRUCTION	External Outfall		39.5581	-119.5063	GROUNDWATER
016	NV ENERGY	External Outfall		39.5596	-119.5207	GROUNDWATER
017	AWTF	External Outfall		39.5197	-119.4726	N/A
018	DISCHARGES FROM AWTF TO RESERVOIR	External Outfall		39.5417	-119.4824	GROUNDWATER
019	FLEET	External Outfall		39.5324	-119.4933	GROUNDWATER
020	FLEET SOUTH VALLEY	External Outfall		39.4685	-119.4002	GROUNDWATER
021	TANK 8R (FOREBAY TANK)	External Outfall		39.4863	-119.4003	GROUNDWATER

022	TANK 9R	External Outfall		39.4813	-119.3961	GROUNDWATER
023	HIGH POINT TANK	External Outfall		39.5031	-119.6576	GROUNDWATER
024	TANK 4R (3MG TANK)	External Outfall		39.5159	-119.4750	GROUNDWATER
025	TANK 6R (REDWOOD)	External Outfall		39.5079	-119.4455	GROUNDWATER
026	TRI GID'S RESERVOIR	External Outfall		39.5453	-119.4808	GROUNDWATER
INF	INFLUENT	Influent Structure		39.5599	-119.5029	N/A
W01	MONITORING WELL 1	Monitoring Well		39.5603	-119.5035	N/A
W02	MONITORING WELL 2	Monitoring Well		39.5576	-119.5049	N/A
W03	MONITORING WELL 3	Monitoring Well		39.5499	-119.4785	N/A
W04	MONITORING WELL 4	Monitoring Well		39.5542	-119.4824	N/A
W05	MONITORING WELL 5	Monitoring Well		39.5564	-119.4899	N/A
W06	MONITORING WELL 6	Monitoring Well		39.5651	-119.4827	N/A
W07	MONITORING WELL 7	Monitoring Well		39.5132	-119.4354	N/A
W08	MONITORING WELL 8	Monitoring Well		39.5488	-119.4781	N/A
W09	MONITORING WELL 9	Monitoring Well		39.5418	-119.4819	N/A
W10	MONITORING WELL 10	Monitoring Well		39.5475	-119.4729	N/A
W11	MONITORING WELL 11	Monitoring Well		39.5475	-119.4729	N/A

Permit History/Description of Proposed Action

The Permittee, the Tahoe Reno Industrial General Improvement District (TRI-GID), has applied for the renewal of groundwater discharge permit NS2000502 for the TRI-GID Wastewater Treatment Plant (WWTP) located at 145 Britain Way in McCarran, Storey County, Nevada. The Permittee proposes to continue to discharge secondary treated wastewater and Category B reclaimed water.

This permit was initially issued in October of 2000. The last renewal was issued on July 1, 2013, and expired on June 30, 2018; the permit has been administratively continued since.

MINOR MODIFICATION (Effective April 2026):

The Permittee has requested a modification to the permit to add Outfall 017 for a proposed Advanced Water Treatment Facility (AWTF). The AWTF will receive reclaimed water from TRI-GID's reservoir which it will then process further providing a high-quality reclaimed water for future use in cooling systems.

Additionally, Outfall 018 is being added for discharges from the AWTF to TRI-GID's reservoir. Discharges to the reservoir will mostly occur during the startup phase and may consist of reverse osmosis (RO) permeate and potable water. There is also the possibility of discharges to the reservoir should there be a bypass in the AWTF's systems.

MAJOR MODIFICATION (Effective November 2026):

The Permittee has requested a modification to the permit to add Outfalls 019 through 025 for the addition of reclaimed water users as well as multiple reclaimed water holding tanks. The holding tanks will be equipped with a liquid level indicator, float, ultrasonic level or pressure gauge to discourage overflow, and SCADA monitoring including an alarm system. Although overflow from the tanks is not expected during normal operating conditions, in the event of telemetry failure, overflow may occur. Also included in this modification is the addition of an outfall for the reservoir. Due to recent concerns about the reservoir's capacity, the Division felt it necessary to add an outfall to monitor the reservoir's freeboard.

Facility Overview

The TRI-GID WWTP receives industrial and commercial wastewater from facilities operating in the Tahoe Reno Industrial Center.

The treatment process at the facility consists of an auger screen, four (4) sequencing batch reactors

(SBRs), two (2) aerated digesters, and a chlorine contact basin. The facility also includes an emergency storage basin. Previously, the facility included three (3) sludge drying beds; however, in 2016 the facility installed a single screw dewatering press. Dewatered biosolids are disposed of at the Lockwood Landfill.

Treated wastewater is discharged to a reservoir located approximately 1.3 miles southeast of the facility. The reservoir was recently (2022) expanded and lined. The reservoir now has the storage capacity of 2,000 acre-feet.

Part of the expansion of the reservoir was due to the need for cooling water for the industrial facilities located within the industrial center. To ensure there is adequate reclaimed water for the facilities, as well as for continued development of the industrial center, a 16-mile-long pipeline from the Truckee Meadows Water Reclamation Facility (TMWRF) to the TRI-GID WWTP has been constructed and is in the final stages of coming online (2023). This pipeline will provide treated effluent from TMWRF to TRI-GID WWTP's reservoir.

Outfall Summary

Outfall INF: This outfall is for raw sewage (influent) entering the facility.

Outfall 001: This outfall is for discharges of treated wastewater, from TRI-GID's WWTP, to the lined storage reservoir.

Outfall 002: This outfall is for discharges of reclaimed water for onsite irrigation use.

Outfall 003: This outfall is for discharges of reclaimed water for use as dust control at construction sites from truck fill stations.

Outfall 004: This outfall is for discharges to the onsite emergency pond.

Outfall 005: This outfall is for discharges of treated wastewater from the effluent pipeline, from TMWRF, to TRI-GID WWTP's lined storage reservoir.

Outfall 006: This outfall is for emergency discharges of treated wastewater from the reservoir to a nearby wash.

Outfall 007: This outfall is for emergency discharges of treated wastewater from the reservoir to a proposed trench system located to the east of the reservoir.

Outfall 008: This outfall is for discharges of reclaimed water from the reservoir to the end users.

Outfall 009: This outfall is for discharges of treated wastewater from the export pipeline, from TMWRF to TRI-GID, to groundwaters of the state during maintenance activities.

Outfall 010: This outfall is for discharges of reclaimed water to Redwood Materials (Permit # Pending).

Outfall 011: This outfall is for discharges of reclaimed water to Switch (Permit # Pending).

Outfall 012: This outfall is for discharges of reclaimed water to Stericycle (Permit # Pending).

Outfall 013: This outfall is for discharges of reclaimed water to Tesla (Permit # NS2020502).

Outfall 014: This outfall is for discharges of reclaimed water to Gopher Construction (Permit # Pending).

Outfall 015: This outfall is for discharges of reclaimed water to F&P Construction (Permit # Pending).

Outfall 016: This outfall is for discharges of reclaimed water to NV Energy (Permit # Pending).

Outfall W01: This outfall is for monitoring well (MW) #1 located just south of the effluent bypass basin.

Outfall W02: This outfall is for MW #2 located approximately 0.18 miles southwest of the WWTP.

Outfall W03: This outfall is for MW #3 located approximately 1.5 miles southeast of the WWTP and approximately 438 feet northeast from the lined storage reservoir.

Outfall W04: This outfall is for MW #4 located approximately 1.4 miles southeast of the WWTP and approximately 0.35 miles northeast from the lined storage reservoir.

Outfall W05: This outfall is for MW #5 located approximately 0.77 miles southeast of the WWTP.

Outfall W06: This outfall is for MW #6 located approximately 1.2 miles northeast of the WWTP.

Outfall W07: This outfall is for MW #7 located approximately 3.1 miles southeast of the lined storage reservoir.

Outfall W08: This outfall is for MW #8 located approximately 120 feet to the east of the lined storage reservoir.

Outfall W09: This outfall is for MW #9 located approximately 65 feet to the south of the lined storage reservoir.

Outfall W10: This outfall is for the proposed downgradient well for the proposed trench system.

Outfall W11: This outfall is for the proposed downgradient well for the proposed trench system.

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Additionally, Outfall 018 is being added for discharges from the AWTF to TRI-GID's reservoir. Discharges to the reservoir will mostly occur during the startup phase and may consist of reverse osmosis (RO) permeate and potable water. There is also the possibility of discharges to the reservoir should there be a bypass in the AWTF's systems.

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Outfall 019: This outfall is for discharges of reclaimed water to Fleet (Permit # Pending).

Outfall 020: This outfall is for discharges of reclaimed water to Fleet South Valley (Permit # Pending).

Outfall 021: This outfall is for potential discharges of treated effluent from Tank 8R (Forebay Tank).

Outfall 022: This outfall is for potential discharges of treated effluent from Tank 9R.

Outfall 023: This outfall is for potential discharges of treated effluent from the Hight Point Tank.

Outfall 024: This outfall is for potential discharges of treated effluent from Tank 4R.

Outfall 025: This outfall is for potential discharges of treated effluent from Tank 6R (Redwood).

Outfall 026: This outfall is for TRI GID's reservoir.

Facility Upgrades since last issued permit

A single, screw dewatering press was installed in 2016. The dewatering press replaced the outdoor, tiled, drying beds which intermittently exceeded its capacity during the winter months when the damp sludge slurry froze.

The effluent storage reservoir was recently (2022) expanded, to 2,000 acre-feet. The reservoir was lined with a single 60mil high-density polyethylene (HDPE) micro texture liner.

Solids Handling

Previously, the biosolids were discharged to onsite drying beds; however, due to a lack of capacity in the drying beds the facility now disposes their dewatered biosolids to the Lockwood Landfill.

Effluent Management and Reuse

The Permittee proposes to provide reclaimed water from the onsite reservoir to its users via a distribution system network of pump stations, storage tanks, and distribution piping. The Permittee plans on dosing the treated wastewater from the reservoir with chlorine prior to distributing the reclaimed water to its users in order to maintain Category B reclaimed water quality. Uses of the reclaimed water include, but are not limited to, irrigation of landscapes, dust suppression at construction sites, and cooling water for industrial facilities. Users of reclaimed water shall obtain permit coverage prior to discharging the reclaimed water.

Design Flow (and basis) and Measurement & Current Capacity

The long-term average effluent flow rate from TRI-GID during the 2018 to 2022 reporting period was approximately 0.623 million gallons per day (MGD). The daily maximum effluent flow rate was limited to 3.0 MGD; there were no exceedances of this limit.

The plant is designed to treat a daily maximum of 3.0 MGD and a 30-day average of 1.2 MGD.

Pretreatment Program

The Industrial Discharge Program at TRI-GID monitors wastewater discharging from industrial facilities that may contain constituents or produce volumes that could interfere with operations at the wastewater treatment plant or process water system. Facilities that are monitored include, but are not limited to:

- Known dischargers who discharge any volume of non-domestic wastewater to the TRI-GID wastewater collection and treatment system.
- Dischargers whose effluent strength (e.g., BOD, TSS, TKN, etc.) exceed standard domestic limitations.
- Other dischargers as determined by TRI-GID to require special regulation or source control.

All major industrial users are required to report wastewater constituents, characterizations, and volumes monthly, but reporting frequency can be reduced or increased depending on circumstances. If the characterization of a facility's wastewater stream does not conform to the outlined requirements, the facility may be subject to a corrective action plan which can ultimately include onsite pretreatment of industrial wastewater prior to discharge to the TRI-GID wastewater collection and treatment system. Such pretreatment plans shall be understood to include grease traps, chemical or biochemical plants, sedimentation chambers and any other devices which affect a change of any nature in the characteristics of the matter being treated.

Operations & Maintenance (O&M) Manual status

The Operations and Maintenance (O&M) Manual was last approved by the Division in 2014. The Technical, Compliance, and Enforcement (TCE) Branch of the Bureau of Water Pollution Control requires O&M Manuals be updated every two (2) permit cycles which equates to every ten (10) years. As the O&M Manual will need to be updated during this permit cycle (2023 – 2028) the Permittee is required to submit an updated O&M Manual to the Division for review and approval by **March 01, 2024**. The O&M Manual shall be stamped, dated, and signed by a Nevada registered Professional Engineer. The O&M Manual shall also be prepared in accordance with WTS-2: *Guidance for Preparing an O&M Manual*.

In addition to an updated O&M Manual, the Permittee shall also submit to the Division, for review and approval, an updated Reclaimed Water Management Plan (RWMP) (formerly known as an Effluent Management Plan) by **March 01, 2024**. The RWMP shall be stamped, dated, and signed by a Nevada registered Professional Engineer. The RWMP shall also be prepared in accordance with WTS-1B: *General Criteria for Preparing a Reclaimed Water Management Plan*.

Effluent Characterization

The discharge consists of secondary treated and disinfected effluent which meets Category B bacteriological quality per the Nevada Administrative Code (NAC) 445A.276.

Nevada State Network Discharge Monitoring Report (NetDMR) data, as reported from the year 2018 to 2022, was reviewed as part of this permit renewal process. There were two (2) instances of the daily maximum 5-day biochemical oxygen demand (BOD5) limit being exceeded and four (4) instances of the 30-day average BOD5 limit being exceeded. Of these exceedances, the Permittee states that one of the exceedances was due to only one sample being taken for the month. No other explanations were provided for the other exceedances. There was one (1) exceedance of the daily maximum total suspended solids (TSS) limit and four (4) exceedances of the 30-day average limit for TSS. No explanation was provided for these exceedances.

There were two (2) exceedances of the daily maximum limit for total nitrogen. No explanation was provided for these exceedances. Furthermore, there were fifteen (15) exceedances of the daily maximum limit for arsenic, one (1) for the daily maximum limit for fluoride and iron, nine (9) for the daily maximum limit for manganese, twelve (12) for the daily maximum limit for aluminum, one (1) exceedance of the minimum limit for pH, and one (1) exceedance of the daily maximum limit for antimony. The Permittee states that of the nine (9) exceedances for manganese one of the exceedances was due to the constituent being naturally occurring. No other explanations were provided for the other exceedances of manganese or for the other aforementioned constituents. An inspection report by the Division dated August 12, 2021, states, "A review of TRIC-GID reports indicated commentary from SPB Utilities indicating an industrial connection(s) is the potential source of the elevated metals levels as the source (potable) water is within allowable MCLs."

Pollutants of Concern

Pollutants of concern are any pollutant 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. A common pollutant of concern for wastewater treatment plants that denitrify and that supply reclaimed water is fecal coliform. As this facility accepts discharges from industrial facilities, other pollutants of concern include inorganic chemicals.

Receiving Water

Receiving water is groundwater of the state. Depth to groundwater in the area ranges from approximately 30 feet below ground surface (bgs) to 150 feet bgs. According to the United States Geological Survey's (USGS's) scientific investigation report 2006-5010 *Hydrology, Water Chemistry, and Revised Water Budgets for Tracy Segment Hydrographic Area, Storey, Washoe, and Lyon Counties, West-Central Nevada, 1998-2002* groundwater in the area, "...flows in a southeasterly direction."

NetDMR data for the monitoring wells was also reviewed as part of the renewal process. The current permit only requires the Permittee to report data for MWs #1 through #4. MW #1, located south of the effluent bypass basin, had a long term average total nitrogen value of 11 mg/L. Additionally, even though the permit

does not include limits for chloride or TDS for the monitoring wells, the Profile 1 reference value of 400 mg/L and 1000 mg/L, respectively, was consistently exceeded in MW #1. As the permit limit of 10 mg/L for total nitrogen has been exceeded for three (3) consecutive quarters for MW #1, the Division is requiring the TRI-GID to submit a Nitrogen Mitigation Plan to identify the source of the nitrogen contamination and to either address it or provide a plan for remediation (See Schedule of Compliance Item #4).

Data for MWs #2 through #4 indicated there were no exceedances of any permit limit or Profile I reference values during the 2018 through 2022 reporting period.

Compliance History

On April 7, 2022 the WWTP experienced a major upset. During the upset an estimated 100,000-gallons of raw sewage was released into the basement level of the WWTP to a depth of 14-feet. The basement includes pumps, piping, mechanical equipment, and assorted electrical control panels. NV Energy was contacted and they promptly deenergized the WWTP. The main floor of the WWTP was partially flooded as well. Raw sewage flowed from the main floor of the WWTP to the facility grounds and into the emergency overflow basin.

While the WWTP was non-operational, a diesel-fired trash pump was connected to the headworks wet well to pump raw sewage from the well to the lined emergency overflow basin. A second diesel-fired trash pump was then used to pump the raw sewage from the emergency basin to the lined chlorine pond. Furthermore, the Permittee hauled raw sewage offsite to TMWRF for treatment until the WWTP was operational again. No enforcement or compliance actions were taken.

Proposed Effluent Limitations

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

WWTP Discharge Limitations Table for Sample Location 001 (Effluent) 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)		Effluent Gross	001	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	001	Continuous	METER
BOD, 5-day	Daily Maximum		<= 45 Milligrams per Liter (mg/L)	Effluent Gross	001	Monthly	COMPOS
BOD, 5-day	30 Day Average		<= 30 Milligrams per Liter (mg/L)	Effluent Gross	001	Monthly	COMPOS
BOD, 5-day, percent removal	Monthly Minimum		M&R Percent (%)	Effluent Gross	001	Monthly	CALCTD ^[1]
Solids, total suspended	Daily Maximum		<= 45 Milligrams per Liter (mg/L)	Effluent Gross	001	Monthly	COMPOS
Solids, total suspended	30 Day Average		<= 30 Milligrams per Liter (mg/L)	Effluent Gross	001	Monthly	COMPOS
Solids, suspended percent removal	Monthly Minimum		M&R Percent (%)	Effluent Gross	001	Monthly	CALCTD ^[1]
Coliform, fecal general	Daily Maximum		<= 23 Colony Forming Units per 100ml T (CFU/100mL) ^[2]	Effluent Gross	001	Monthly	DISCRT
Coliform, fecal general	30 Day Average Geometric		<= 2.2 Colony Forming Units per 100ml T (CFU/100mL) ^[2]	Effluent Gross	001	Monthly	DISCRT
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	001	Monthly	DISCRT
Nitrogen, total	30 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Monthly	DISCRT
pH, maximum	Daily Maximum		<= 8.5 Standard Units (SU)	Effluent Gross	001	Monthly	DISCRT

WWTP Discharge Limitations Table for Sample Location 001 (Effluent) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
pH, minimum	Daily Minimum		>= 6.5 Standard Units (SU)	Effluent Gross	001	Monthly	DISCRT
Arsenic, total (as As)	Daily Maximum		<= 0.01 Milligrams per Liter (mg/L)	Effluent Gross	001	Monthly	DISCRT
Manganese, total (as Mn)	Daily Maximum		<= 0.1 Milligrams per Liter (mg/L)	Effluent Gross	001	Monthly	DISCRT
Aluminum, total (as Al)	Daily Maximum		<= 0.2 Milligrams per Liter (mg/L)	Effluent Gross	001	Monthly	DISCRT

Notes (WWTP Discharge Limitations Table):

1. Percent removal should be based on the 30-day average taken from the influent and effluent.
2. CFU / 100 mL or MPN / 100 mL.

WWTP Discharge Limitations Table for Sample Location 001 (Effluent) To Be Reported Annually^[1]

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Barium, total recoverable	Daily Maximum		<= 2000 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Beryllium, total recoverable (as Be)	Daily Maximum		<= 0 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Cadmium, total recoverable	Daily Maximum		<= 5 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Chromium, total recoverable	Daily Maximum		<= 100 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Cyanide, total (as CN) ^[2]	Daily Maximum		<= 200 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Mercury, total recoverable	Daily Maximum		<= 2 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Nickel, total recoverable	Daily Maximum		<= 13 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Selenium, total recoverable	Daily Maximum		<= 50 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Acrolein	Daily Maximum		<= 320 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Aldrin	Daily Maximum		<= 0 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Benzene	Daily Maximum		<= 5 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
			<= 35				

WWTP Discharge Limitations Table for Sample Location 001 (Effluent) To Be Reported Annually^[1]

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Bis(2-chloroisopropyl) ether	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Chlordane (tech mix. and metabolites)	Daily Maximum		<= 0 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Vinyl Chloride (Chloroethylene (Vinyl))	Daily Maximum		<= 2 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
2,4-Dichlorophenoxyacetic Acid (2 4-D)	Daily Maximum		<= 100 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
DDT	Daily Maximum		<= 0 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Dibutyl phthalate	Daily Maximum		<= 34000 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
1,3-Dichlorobenzene (M-Dichlorobenzene)	Daily Maximum		<= 400 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
1,2-Dichlorobenzene (O-Dichlorobenzene)	Daily Maximum		<= 400 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
1,4-Dichlorobenzene (P-Dichlorobenzene)	Daily Maximum		<= 75 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
1,2-Dichloroethane	Daily Maximum		<= 5 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
1,1-Dichloroethylene	Daily Maximum		<= 7 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
			<= 3090				

WWTP Discharge Limitations Table for Sample Location 001 (Effluent) To Be Reported Annually^[1]

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
2,4-Dichlorophenol	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
1,1-Dichloropropene (Dichloropropenes)	Daily Maximum		<= 87 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
1,3-Dichloropropene (Dichloropropenes)	Daily Maximum		<= 87 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Dieldrin	Daily Maximum		<= 0 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Di-2-ethylhexyl phthalate	Daily Maximum		<= 15000 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Diethyl phthalate	Daily Maximum		<= 350000 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Dimethyl phthalate	Daily Maximum		<= 313000 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-2-Methylphenol)	Daily Maximum		<= 13 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
2,4-Dinitrophenol (Dinitrophenols)	Daily Maximum		<= 70 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Endosulfan, total	Daily Maximum		<= 75 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Endrin	Daily Maximum		<= 0.20 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
			<= 1400				

WWTP Discharge Limitations Table for Sample Location 001 (Effluent) To Be Reported Annually^[1]

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Ethylbenzene	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Fluoranthene (Fluoranthene (Polynuclear Aromatic Hydrocarbon))	Daily Maximum		<= 42 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Hexachlorocyclopentadiene	Daily Maximum		<= 206 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Isophorone	Daily Maximum		<= 5200 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Lindane	Daily Maximum		<= 4 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Methoxychlor	Daily Maximum		<= 100 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Mirex	Daily Maximum		<= 0 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Monochlorobenzenes	Daily Maximum		<= 488 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Nitrobenzene	Daily Maximum		<= 19800 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Pentachlorophenol	Daily Maximum		<= 1010 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Phenol	Daily Maximum		<= 3500 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
			<= 0				

WWTP Discharge Limitations Table for Sample Location 001 (Effluent) To Be Reported Annually^[1]

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Polychlorinated biphenyls (PCBs)	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Silvex	Daily Maximum		<= 10 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
2,4,5-TP(silvex) acids/salts, whole water sample	Daily Maximum		<= 10 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Carbon Tetrachloride (Tetrachloromethane (Carbon Tetrachloride))	Daily Maximum		<= 5 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Toluene	Daily Maximum		<= 14300 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Toxaphene	Daily Maximum		<= 5 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
1,1,1-Trichloroethane	Daily Maximum		<= 200 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Trichloroethylene	Daily Maximum		<= 5 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Trihalomethane, tot.	Daily Maximum		<= 100 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	CALCTD ^[3]
Alkalinity, bicarbonate (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Alkalinity, total (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
			<= 0.006				

WWTP Discharge Limitations Table for Sample Location 001 (Effluent) To Be Reported Annually^[1]

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Antimony, total (as Sb) ^[4]	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Calcium, total (as Ca) ^[4]	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Chloride (as Cl)	Daily Maximum		<= 400 Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Copper, dissolved (as Cu)	Daily Maximum		<= 1 Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Fluoride, total (as F)	Daily Maximum		<= 4 Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Iron, total (as Fe) ^[4]	Daily Maximum		<= 0.6 Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Lead, dissolved (as Pb)	Daily Maximum		<= 0.015 Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Magnesium, total (as Mg) ^[4]	Daily Maximum		<= 150 Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Nitrite plus nitrate total 1 det. (as N)	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Potassium, total (as K) ^[4]	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Silver, total (as Ag) ^[4]	Daily Maximum		<= 0.1 Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 001 (Effluent) To Be Reported Annually^[1]

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Sodium, total (as Na) ^[4]	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Solids, total dissolved	Daily Maximum		<= 1000 Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Sulfate, total (as SO ₄)	Daily Maximum		<= 500 Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Thallium, total (as Tl) ^[4]	Daily Maximum		<= 0.002 Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Uranium, natural, total	Daily Maximum		<= 0.01 Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Zinc, dissolved (as Zn)	Daily Maximum		<= 5 Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Hydrocarbons, total petroleum	Daily Maximum		<= 1 Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT

Notes (WWTP Discharge Limitations Table):

1. Toxic materials list (NAC 445A.1236), Profile I list, and TPH. Since some of the toxic material constituents and Profile I constituents overlap, the most stringent limit from each list was selected.
2. Total recoverable.
3. The standard for trihalomethanes is the sum of the concentration of bromodichloromethane, dibromochloromethane, bromoform, and chloroform.
4. Analysis is for the dissolved fraction.

WWTP Discharge Limitations Table for Sample Location 004 (Emergency Pond) 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)		Internal Monitoring Point	004	Daily When Discharging	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Internal Monitoring Point	004	Daily When Discharging	METER

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

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Daily Maximum	<= 3.0 Million Gallons per Day (Mgal/d)		Raw Sewage Influent	INF	Continuous	METER
Flow rate	30 Day Average	<= 1.2 Million Gallons per Day (Mgal/d)		Raw Sewage Influent	INF	Continuous	METER
BOD, 5-day	Daily Maximum		M&R Milligrams per Liter (mg/L)	Raw Sewage Influent	INF	Monthly	DISCRT
BOD, 5-day	30 Day Average		M&R Milligrams per Liter (mg/L)	Raw Sewage Influent	INF	Monthly	DISCRT
Solids, total suspended	Daily Maximum		M&R Milligrams per Liter (mg/L)	Raw Sewage Influent	INF	Monthly	DISCRT
Solids, total suspended	30 Day Average		M&R Milligrams per Liter (mg/L)	Raw Sewage Influent	INF	Monthly	DISCRT

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

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Rolling Average ^[1]	M&R Million Gallons per Day (Mgal/d)		Raw Sewage Influent	INF	Annual	CALCTD ^[2]

Notes (WWTP Discharge Limitations Table):

1. Rolling annual average.
2. The rolling annual average flow rate shall be calculated using the four (4) most recent reporting periods (quarters).

Groundwater Monitoring Wells Table for Sample Location W01 (Monitoring Well 1) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
pH, minimum	Daily Minimum		>= 6.0 Standard Units (SU)	Groundwater	W01	Quarterly	DISCRT
pH, maximum	Daily Maximum		<= 9.0 Standard Units (SU)	Groundwater	W01	Quarterly	DISCRT
Nitrogen, total	Daily Maximum		<= 10.0 Milligrams per Liter (mg/L)	Groundwater	W01	Quarterly	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	W01	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	W01	Quarterly	DISCRT
Depth to water level ft below landsurface ^[1]	Daily Minimum	M&R Feet (ft)		Groundwater	W01	Quarterly	VISUAL ^[2]

Notes (Groundwater Monitoring Wells Table):

1. Depth to groundwater.
2. Field measurement.

Groundwater Monitoring Wells Table for Sample Location W02 (Monitoring Well 2) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
pH, minimum	Daily Minimum		>= 6.0 Standard Units (SU)	Groundwater	W02	Quarterly	DISCRT
pH, maximum	Daily Maximum		<= 9.0 Standard Units (SU)	Groundwater	W02	Quarterly	DISCRT
Nitrogen, total	Daily Maximum		<= 10.0 Milligrams per Liter (mg/L)	Groundwater	W02	Quarterly	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	W02	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	W02	Quarterly	DISCRT
Depth to water level ft below landsurface ^[1]	Daily Minimum	M&R Feet (ft)		Groundwater	W02	Quarterly	VISUAL ^[2]

Notes (Groundwater Monitoring Wells Table):

1. Depth to groundwater.
2. Field measurement.

Groundwater Monitoring Wells Table for Sample Location W03 (Monitoring Well 3) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
pH, minimum	Daily Minimum		>= 6.0 Standard Units (SU)	Groundwater	W03	Quarterly	DISCRT
pH, maximum	Daily Maximum		<= 9.0 Standard Units (SU)	Groundwater	W03	Quarterly	DISCRT
Nitrogen, total	Daily Maximum		<= 10.0 Milligrams per Liter (mg/L)	Groundwater	W03	Quarterly	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	W03	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	W03	Quarterly	DISCRT
Depth to water level ft below landsurface ^[1]	Daily Minimum	M&R Feet (ft)		Groundwater	W03	Quarterly	VISUAL ^[2]

Notes (Groundwater Monitoring Wells Table):

1. Depth to groundwater.
2. Field measurement.

Groundwater Monitoring Wells Table for Sample Location W04 (Monitoring Well 4) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
pH, minimum	Daily Minimum		>= 6.0 Standard Units (SU)	Groundwater	W04	Quarterly	DISCRT
pH, maximum	Daily Maximum		<= 9.0 Standard Units (SU)	Groundwater	W04	Quarterly	DISCRT
Nitrogen, total	Daily Maximum		<= 10.0 Milligrams per Liter (mg/L)	Groundwater	W04	Quarterly	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	W04	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	W04	Quarterly	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	W04	Quarterly	DISCRT
Depth to water level ft below landsurface ^[1]	Daily Minimum	M&R Feet (ft)		Groundwater	W04	Quarterly	VISUAL ^[2]

Notes (Groundwater Monitoring Wells Table):

1. Depth to groundwater.
2. Field measurement.

Groundwater Monitoring Wells Table for Sample Location W05 (Monitoring Well 5) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
pH, minimum	Daily Minimum		>= 6.0 Standard Units (SU)	Groundwater	W05	Quarterly	DISCRT
pH, maximum	Daily Maximum		<= 9.0 Standard Units (SU)	Groundwater	W05	Quarterly	DISCRT
Nitrogen, total	Daily Maximum		<= 10.0 Milligrams per Liter (mg/L)	Groundwater	W05	Quarterly	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	W05	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	W05	Quarterly	DISCRT
Depth to water level ft below landsurface ^[1]	Daily Minimum	M&R Feet (ft)		Groundwater	W05	Quarterly	VISUAL ^[2]

Notes (Groundwater Monitoring Wells Table):

1. Depth to groundwater.
2. Field measurement.

Groundwater Monitoring Wells Table for Sample Location W06 (Monitoring Well 6) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
pH, minimum	Daily Minimum		>= 6.0 Standard Units (SU)	Groundwater	W06	Quarterly	DISCRT
pH, maximum	Daily Maximum		<= 9.0 Standard Units (SU)	Groundwater	W06	Quarterly	DISCRT
Nitrogen, total	Daily Maximum		<= 10.0 Milligrams per Liter (mg/L)	Groundwater	W06	Quarterly	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	W06	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	W06	Quarterly	DISCRT
Depth to water level ft below landsurface ^[1]	Daily Minimum	M&R Feet (ft)		Groundwater	W06	Quarterly	VISUAL ^[2]

Notes (Groundwater Monitoring Wells Table):

1. Depth to groundwater.
2. Field measurement.

Groundwater Monitoring Wells Table for Sample Location W07 (Monitoring Well 7) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
pH, minimum	Daily Minimum		>= 6.0 Standard Units (SU)	Groundwater	W07	Quarterly	DISCRT
pH, maximum	Daily Maximum		<= 9.0 Standard Units (SU)	Groundwater	W07	Quarterly	DISCRT
Nitrogen, total	Daily Maximum		<= 10.0 Milligrams per Liter (mg/L)	Groundwater	W07	Quarterly	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	W07	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	W07	Quarterly	DISCRT
Depth to water level ft below landsurface ^[1]	Daily Minimum	M&R Feet (ft)		Groundwater	W07	Quarterly	VISUAL ^[2]

Notes (Groundwater Monitoring Wells Table):

1. Depth to groundwater.
2. Field measurement.

Groundwater Monitoring Wells Table for Sample Location W08 (Monitoring Well 8) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
pH, minimum	Daily Minimum		>= 6.0 Standard Units (SU)	Groundwater	W08	Quarterly	DISCRT
pH, maximum	Daily Maximum		<= 9.0 Standard Units (SU)	Groundwater	W08	Quarterly	DISCRT
Nitrogen, total	Daily Maximum		<= 10.0 Milligrams per Liter (mg/L)	Groundwater	W08	Quarterly	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	W08	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	W08	Quarterly	DISCRT
Depth to water level ft below landsurface ^[1]	Daily Minimum	M&R Feet (ft)		Groundwater	W08	Quarterly	VISUAL ^[2]

Notes (Groundwater Monitoring Wells Table):

1. Depth to groundwater.
2. Field measurement.

Groundwater Monitoring Wells Table for Sample Location W09 (Monitoring Well 9) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
pH, maximum	Daily Maximum		<= 9.0 Standard Units (SU)	Groundwater	W09	Quarterly	DISCRT
pH, minimum	Daily Minimum		>= 6.0 Standard Units (SU)	Groundwater	W09	Quarterly	DISCRT
Nitrogen, total	Daily Maximum		<= 10.0 Milligrams per Liter (mg/L)	Groundwater	W09	Quarterly	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	W09	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	W09	Quarterly	DISCRT
Depth to water level ft below landsurface ^[1]	Daily Minimum	M&R Feet (ft)		Groundwater	W09	Quarterly	VISUAL ^[2]

Notes (Groundwater Monitoring Wells Table):

1. Depth to groundwater.
2. Field measurement.

Groundwater Monitoring Wells Table for Sample Location W10 (Monitoring Well 10) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
pH, minimum	Daily Minimum		>= 6.0 Standard Units (SU)	Groundwater	W10	Quarterly	DISCRT
pH, maximum	Daily Maximum		<= 9.0 Standard Units (SU)	Groundwater	W10	Quarterly	DISCRT
Nitrogen, total	Daily Maximum		<= 10.0 Milligrams per Liter (mg/L)	Groundwater	W10	Quarterly	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	W10	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	W10	Quarterly	DISCRT
Depth to water level ft below landsurface ^[1]	Daily Minimum	M&R Feet (ft)		Groundwater	W10	Quarterly	VISUAL ^[2]

Notes (Groundwater Monitoring Wells Table):

1. Depth to groundwater.
2. Field measurement.

Groundwater Monitoring Wells Table for Sample Location W11 (Monitoring Well 11) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
pH, minimum	Daily Minimum		>= 6.0 Standard Units (SU)	Groundwater	W11	Quarterly	DISCRT
pH, maximum	Daily Maximum		<= 9.0 Standard Units (SU)	Groundwater	W11	Quarterly	DISCRT
Nitrogen, total	Daily Maximum		<= 10.0 Milligrams per Liter (mg/L)	Groundwater	W11	Quarterly	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	W11	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	W11	Quarterly	DISCRT
Depth to water level ft below landsurface ^[1]	Daily Minimum	M&R Feet (ft)		Groundwater	W11	Quarterly	VISUAL ^[2]

Notes (Groundwater Monitoring Wells Table):

1. Depth to groundwater.
2. Field measurement.

Re-use Discharge Limitations Table for Sample Location 002 (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	002	Daily When Discharging	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	002	Daily When Discharging	METER

Re-use Discharge Limitations Table for Sample Location 003 (Truck Fill Station(S)) 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)		Prior to Reuse	003	Daily When Discharging	CALCTD ^[1]
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	003	Daily When Discharging	CALCTD ^[1]

Notes (Re-use Discharge Limitations Table):

1. Outfall 003 is for the combined daily maximum and 30-day average flow rates for all truck fill stations.

Re-use Discharge Limitations Table for Sample Location 005 (Reclaim Water From Tmwrf To Tri-Gid's Reservoir) 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)		Effluent Gross	005	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	005	Continuous	METER

Re-use Discharge Limitations Table for Sample Location 008 (Discharges From Reservoir To Users) To Be Reported Monthly^[1]

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Coliform, fecal general	Daily Maximum		<= 23 Colony Forming Units per 100ml T (CFU/100mL) ^[2]	Prior to Reuse	008	Monthly	DISCRT
Coliform, fecal general	30 Day Geometric Mean		<= 2.2 Colony Forming Units per 100ml T (CFU/100mL) ^[2]	Prior to Reuse	008	Monthly	DISCRT

Notes (Re-use Discharge Limitations Table):

1. The sample shall be taken after chlorine has been added to the treated effluent from the reservoir but before the reclaimed water is sent to users.
2. CFU / 100 mL or MPN / 100 mL.

Re-use Discharge Limitations Table for Sample Location 010 (Redwood Materials) 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	010	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	010	Continuous	METER

Re-use Discharge Limitations Table for Sample Location 011 (Switch) 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	011	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	011	Continuous	METER

Re-use Discharge Limitations Table for Sample Location 012 (Stericycle) 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	012	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	012	Continuous	METER

Re-use Discharge Limitations Table for Sample Location 013 (Tesla) 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	013	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	013	Continuous	METER

Re-use Discharge Limitations Table for Sample Location 014 (Gopher Construction) 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	014	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	014	Continuous	METER

Re-use Discharge Limitations Table for Sample Location 015 (F&P Construction) 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	015	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	015	Continuous	METER

Re-use Discharge Limitations Table for Sample Location 016 (Nv Energy) 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	016	Daily When Discharging	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	016	Daily When Discharging	METER

Re-use Discharge Limitations Table for Sample Location 017 (Awtf) 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)		Prior to Reuse	017	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	017	Continuous	METER

Notes (Re-use Discharge Limitations Table):

1. If treated effluent is not sent to the AWTF during the reporting period, use No Data Indicator (NODI) Code 'C' for 'No Discharge'.

Re-use Discharge Limitations Table for Sample Location 018 (Discharges From Awtf To Reservoir) 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	018	Daily When Discharging	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	018	Daily When Discharging	METER

Notes (Re-use Discharge Limitations Table):

1. If discharges from the AWTF are not received by TRI-GID's reservoir, use No Data Indicator (NODI) Code 'C' for 'No Discharge'.

Re-use Discharge Limitations Table for Sample Location 019 (Fleet) 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	019	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	019	Continuous	METER

Re-use Discharge Limitations Table for Sample Location 020 (Fleet South Valley) 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	020	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	020	Continuous	METER

NS OTHER - Discharge Limitations Table for Sample Location 006 (Discharges From Reservoir To Wash) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Daily Maximum	<= 0.40 Million Gallons per Day (Mgal/d)		Effluent Gross	006	Daily When Discharging	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	006	Daily When Discharging	METER
Coliform, fecal general	Daily Maximum		M&R Colony Forming Units per 100ml T (CFU/100mL) ^[1]	Effluent Gross	006	Monthly When Discharging	DISCRT

Notes (NS OTHER - Discharge Limitations Table):

1. CFU / 100 mL or MPN / 100 mL.

NS OTHER - Discharge Limitations Table for Sample Location 007 (Discharges From Reservoir To Trenches) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Daily Maximum	<= 0.576 Million Gallons per Day (Mgal/d)		Effluent Gross	007	Daily When Discharging	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	007	Daily When Discharging	METER
Coliform, fecal general	Daily Maximum		M&R Colony Forming Units per 100ml T (CFU/100mL) ^[1]	Effluent Gross	007	Monthly When Discharging	DISCRT

Notes (NS OTHER - Discharge Limitations Table):

1. CFU / 100 mL or MPN / 100 mL.

NS OTHER - Discharge Limitations Table for Sample Location 009 (Export Pipeline From Tmwr To Tri-Gid) To Be Reported Quarterly^[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	009	Daily When Discharging	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	009	Daily When Discharging	METER

Notes (NS OTHER - Discharge Limitations Table):

- Discharges associated with this outfall are for maintenance activities conducted on the 16-mile-long export pipeline from TMWRF to TRI-GID.

NS OTHER - Discharge Limitations Table for Sample Location 021 (Tank 8R (Forebay Tank)) To Be Reported Monthly^[3]

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow, total ^[1]	Total	M&R Million Gallons (Mgal)		Effluent Gross	021	Monthly	CALCTD
Number of Events ^[2]	Total	M&R Number (#)		Effluent Gross	021	Monthly	CALCTD

Notes (NS OTHER - Discharge Limitations Table):

1. Report the total amount discharged during the reporting month from overflow events from the tank.
2. Report the number of times (i.e., events) the tank experienced an overflow during the reporting month.
3. If no discharge occurred, report NODI Code 'C' in NetDMR.

NS OTHER - Discharge Limitations Table for Sample Location 022 (Tank 9R) To Be Reported Monthly^[3]

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow, total ^[1]	Total	M&R Million Gallons (Mgal)		Effluent Gross	022	Monthly	CALCTD
Number of Events ^[2]	Total	M&R Number (#)		Effluent Gross	022	Monthly	CALCTD

Notes (NS OTHER - Discharge Limitations Table):

1. Report the total amount discharged during the reporting month from overflow events from the tank.
2. Report the number of times (i.e., events) the tank experienced an overflow during the reporting month.
3. If no discharge occurred, report NODI Code 'C' in NetDMR.

NS OTHER - Discharge Limitations Table for Sample Location 023 (High Point Tank) To Be Reported Monthly^[3]

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow, total ^[1]	Total	M&R Million Gallons (Mgal)		Effluent Gross	023	Monthly	CALCTD
Number of Events ^[2]	Total	M&R Number (#)		Effluent Gross	023	Monthly	CALCTD

Notes (NS OTHER - Discharge Limitations Table):

1. Report the total amount discharge during the reporting month from overflow events from the tank.
2. Report the number of times (i.e., events) the tank experienced an overflow during the reporting month.
3. If no discharge occurred, report NODI Code 'C' in NetDMR.

NS OTHER - Discharge Limitations Table for Sample Location 024 (Tank 4R (3Mg Tank)) To Be Reported Monthly^[3]

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow, total ^[1]	Total	M&R Million Gallons (Mgal)		Effluent Gross	024	Monthly	CALCTD
Number of Events ^[2]	Total	M&R Number (#)		Effluent Gross	024	Monthly	CALCTD

Notes (NS OTHER - Discharge Limitations Table):

1. Report the total amount of discharged during the reporting month from overflow events from the tank.
2. Report the number of times (i.e., events) the tank experienced an overflow during the reporting month.
3. If no discharge occurred, report NODI Code 'C' in NetDMR.

NS OTHER - Discharge Limitations Table for Sample Location 025 (Tank 6R (Redwood)) To Be Reported Monthly^[3]

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow, total ^[1]	Total	M&R Million Gallons (Mgal)		Effluent Gross	025	Monthly	CALCTD
Number of Events ^[2]	Total	M&R Number (#)		Effluent Gross	025	Monthly	CALCTD

Notes (NS OTHER - Discharge Limitations Table):

1. Report the total amount discharged during the reporting month from overflow events from the tank.
2. Report the number of times (i.e., events) the tank experienced an overflow during the reporting month.
3. If no discharge occurred, report NODI Code 'C' in NetDMR.

Ponds / Rapid Infiltration Basins for Sample Location 026 (Tri Gid's Reservoir) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Freeboard	Daily Minimum	>= 3 Feet (ft)		See Footnote ^[1]	026	Continuous	INSITU

Notes (Ponds / Rapid Infiltration Basins):

1. Reservoir.

Summary of Changes From Previous Permit

An outfall for the influent has been added.

Outfalls W05 - W11 have been added.

Outfalls MW1 through MW4 have been renamed to W01 through W04, respectively.

The requirement to sample for total phosphorus from Outfall W04 has been added.

Outfall 003 has been renamed from Construction Site Irrigation / Dust Control Activities to Truck Fill Station(s).

The monthly flow total for Outfall 002 and 003 has been changed to a 30-day average.

The requirement to report the daily maximum flow rate for Outfall 002 and 003 has been added.

Outfalls 004 - 016 have been added.

The requirement to report the rolling annual average influent flow rate has been added.

The daily maximum and 30-day average flow rate limit has been removed from Outfall 001 and added to Outfall INF.

The daily maximum and 30-day average flow rate limits for Outfall 001 have been changed to monitor and report.

The requirement to report the percent removal for BOD5 and TSS has been added for Outfall 001.

The requirement to sample for arsenic, manganese, and aluminum once each quarter has been increased to once each month for Outfall 001.

The requirement to sample for total petroleum hydrocarbons (TPH) and Profile I constituents, except for arsenic, manganese, and aluminum, once each quarter has been changed to once a year for Outfall 001.

The requirement to sample for toxic materials (NAC 445A.1236) once a year has been added for Outfall 001.

The limits for pH for Outfall 001 have been changed from 9.0 standard units (S.U.s) and 6.0 S.U. to 8.5 S.U. and 6.5 S.U.

The monthly maximum and monthly minimum for pH for Outfall 001 has been changed to a daily maximum and a daily minimum.

The 30-day average for fecal coliform for Outfall 001 has been changed to a 30-day geometric mean.

MINOR MODIFICATION (Effective April 2026):

The Permittee has requested a modification to the permit to add Outfall 017 for a proposed Advanced Water Treatment Facility (AWTF). The AWTF will receive reclaimed water from TRI-GID's reservoir which it will then process further providing a high-quality reclaimed water for future use in cooling systems.

Additionally, Outfall 018 is being added for discharges from the AWTF to TRI-GID's reservoir. Discharges to the reservoir will mostly occur during the startup phase and may consist of reverse osmosis (RO) permeate and potable water. There is also the possibility of discharges to the reservoir should there be a bypass in the AWTF's systems.

MAJOR MODIFICATION (Effective November 2026):

The Permittee has requested a modification to the permit to add Outfalls 019 through 025 for the addition of reclaimed water users as well as multiple reclaimed water holding tanks. The holding tanks will be equipped with a liquid level indicator, float, ultrasonic level or pressure gauge to discourage overflow, and SCADA monitoring including an alarm system. Although overflow from the tanks is not expected during normal operating conditions, in the event of telemetry failure, overflow may occur. Also included in this modification is the addition of an outfall for the reservoir. Due to recent concerns about the reservoir's capacity, the Division felt it necessary to add an outfall to monitor the reservoir's freeboard.

Technology Based Effluent Limitations

Technology based effluent limitations (TBELs) are required as promulgated by the United States Environmental Protection Agency (EPA) for Publicly Owned Treatment Works (POTWs). The following limits are based on secondary treatment standards as allowed by the Code of Federal Regulations (CFR) Title 40 section 133, and which have been adopted by the state of Nevada:

- BOD5: The daily maximum is limited to 45 mg/L and the 30-day average is limited to 30 mg/L.
- TSS: The daily maximum 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 proposed permit establishes the requirement for the Permittee to monitor and report (M&R) the percent removal for BOD5 and TSS.

Water Quality Based Effluent Limitations

Water quality-based effluent limitations are not applicable to this permit.

Proposed Water Quality Based Effluent Limits (monthly/weekly/daily)

Water quality-based effluent limitations are not applicable to this permit.

Basis for Effluent Limitations

TBELs have been implemented to evaluate the performance of the facility. Limits for BOD5 and TSS have been set in accordance with secondary treatment standards per §133; this regulation has been adopted by the state of Nevada and is being applied to this groundwater discharge permit. Furthermore, the Permittee has voiced their concern regarding the low nutrient content in the influent due to the industrial nature of the incoming wastewater. It is for this reason that the Division decided to temporarily exclude the percent removal limit of greater than or equal to 85% for BOD5 and TSS. Instead, the proposed permit includes the requirement to monitor and report the percent removal. This will allow the Permittee to collect data on what their current percent removal for BOD5 and TSS is. Additionally, the Division will be able to review this data and make an informed decision on how to proceed with the performance standards percent removal requirement. Finally, as the Profile I pH limits of 8.5 S.U. and 6.5 S.U. are more stringent than the secondary treatment limits of 9.0 S.U. and 6.0 S.U., the Profile I limits for pH have been implemented.

The requirement to report the rolling annual average influent flow rate has been added to acquire additional flow information of the facility.

The proposed permit retains the daily maximum limit for fecal coliform of 23 colony forming units (CFU) / 100 mL for Outfall 001. The 30-day average was replaced with a 30-day geometric mean to be in line with NAC 445A.276; however, the limit of 2.2 CFU / 100 mL was retained. Fecal coliform is required to be sampled for from Outfall 001 to assess the quality of reclaimed water being supplied and for the protection of human health and the environment. Outfalls 006 and 007 are also required to sample for fecal coliform; however, there is no limit as the water being discharged through those outfalls does not fall under any uses identified in NAC 445A.276 to 445A.2771, inclusive. The requirement to sample for fecal coliform from Outfalls 006 and 007 is to collect data on the quality of water from the reservoir which will hold a mix of treated effluent from TRI-GID, TMWRF, and stormwater runoff.

The proposed permit establishes the requirement to sample for arsenic, manganese, and aluminum once a month instead of once each quarter. This requirement is being established as these three (3) parameters have exhibited numerous exceedances during the 2018 through 2022 reporting period.

The proposed permit establishes the requirement to sample for TPH and Profile I constituents once a year instead of once each quarter. The exception to this is the requirement to sample for total nitrogen and pH as these constituents are already being sampled for each month for Outfall 001. Furthermore, arsenic, manganese, and aluminum will be sampled for once a month due to numerous exceedances during the 2018 through 2022 reporting period. TPH and Profile I constituents, except for arsenic, manganese, and aluminum, have been, for the most part, either below the Profile I limits or have been non-detect during the 2018 through 2022 reporting period. Although uranium is not expected to be present in the wastewater, the Division has included it in the permit as it is part of the Profile I list and it has not been sampled for before; this constituent shall be sampled for once each year.

The requirement to sample for toxic materials once each year has been added to Outfall 001. Per NAC 445A.120, water quality standards found at, "NAC 445A.070 to 445A.2234, inclusive, apply to all natural streams and lakes, reservoirs or impoundments on natural streams and other specified waterways, unless excepted on the basis of existing irreparable conditions which preclude such use." The discharge of treated effluent from the TRI-GID WWTP will be to groundwaters of the State; therefore, water quality standards found at NAC 445A.070 to 445A.2234, inclusive, are not applicable. Furthermore, there are currently no specific water quality standards that have been formally adopted by the State for groundwater.

However, the Division has the discretion to implement effluent limitations 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." Additionally, per the Nevada Revised Statute (NRS) 445A.490, "No permit may be issued which authorizes any discharge or injection of fluids through a well into any waters of the State:... (3) which would result in the degradation of existing or potential underground sources of drinking water."

Typically, wastewater treatment facilities that accept industrial wastewater are required to sample for 126 priority pollutants. The EPA developed the priority pollutant list in 1977 to make implementation of the Toxic Pollutant List more practical for water testing and regulatory purposes. However, as this list is outdated, the state of Nevada has replaced the priority pollutant sampling requirement with the requirement to sample for toxic materials found at NAC 445A.1236.

Previously, the Permittee was required to sample the effluent for priority pollutants once each year; however, during the last permit cycle, this requirement was removed and instead, the Permittee was required to sample the effluent for Profile I each quarter. As additional industrial facilities have commenced discharging to the TRI-GID since the last permit renewal, the proposed permit establishes an annual sampling requirement for toxic materials per NAC 445A.1236. The municipal or domestic supply beneficial use standards are included as groundwater is considered an existing or potential source of drinking water. Additionally, since some of the Profile I constituents and some of the toxic materials constituents overlap,

the most stringent limit from each list was selected and incorporated into the permit.

Groundwater monitoring requirements for the parameters specified in the permit are being established to determine any potential impacts to groundwater that may occur in response to related discharges or seepage. The Permittee has requested the addition of two (2) new outfalls (Outfall 006 and 007) to discharge treated effluent from the reservoir to a nearby wash and to a proposed trench system, respectively, during periods when the water level in the reservoir nears the freeboard. Discharges to the nearby wash will terminate approximately 0.70 miles north of the reservoir and 0.43 miles south of the Truckee River. Due to the close proximity to the river, the Division is requiring the Permittee obtain samples from an existing monitoring well, MW4, located the closest to the termination point, for constituents (i.e., total phosphorus) listed at NAC 445A.1692. Upon the request of the Permittee, this requirement may be removed from the permit via a modification, provided documentation, submitted to the Division, shows no connectivity from the termination point to the Truckee River (See Special Approvals / Conditions Item #4).

The Division is also requiring the Permittee install two new wells, Outfalls W10 and W11, near the proposed trench system. Monitoring well #3 may be used as the upgradient well; however, two down gradient wells will need to be installed (see Special Approvals / Conditions Item #2 and Schedule of Compliance Item #5 and #6).

Antidegradation

The State's antidegradation policy has a requirement to maintain higher quality (RMHQ) standards of the receiving water body, at a minimum, meet the most restrictive standards established per the designated beneficial use criteria. At this time there are currently no specific water quality standards that have been formally adopted by the State for groundwater. However, available data does not currently indicate any potential for degradation of groundwater from the effluent discharged within the compliance limits of the proposed permit.

Special Conditions

In addition to the TBELs and other monitoring requirements described previously in this Fact Sheet, the proposed permit includes the following special conditions.

SA – Special Approvals / Conditions Table

Item #	Description
1	The Permittee may apply for a permit modification to incorporate additional reclaimed water use sites.
2	Upon the Division's approval of the Monitoring Well Program, the Permittee will have 90 days to implement the program.
3	Prior to discharging treated effluent to the nearby wash, the Permittee shall submit to the Division, documentation showing the property owner, where the effluent water will flow onto, authorizes the discharge to their property. The Permittee shall also submit a narrative describing the discharge activity, including, but not limited to, when discharges will most likely occur, what BMPs will be used, and the estimated discharge flow rate. The narrative shall also include a site map showing the discharge point, the path of the discharged treated effluent, its point of termination, and location of BMPs.
4	Once the Division receives, reviews, and approves documentation showing that there is no connectivity from the point of termination, for discharges to the nearby wash, to the Truckee River the Permittee may request to have sampling for constituents listed at NAC 445A.1692 (i.e., total phosphorus) removed from monitoring well #4.
5	For the toxic materials list, per NAC 445A.1236.1(c), "If a criterion is less than the detection limit of a method that is acceptable to the Division, laboratory results which show that the substance was not detected shall be deemed to show compliance with the standard unless other information indicates that the substance may be present."

Discharges From Future Outfalls/ Planned Facility Changes

An effluent export pipeline from the TMWRF to the TRI-GID's WWTP should be coming online this year (2023). The pipeline will supply treated effluent to the onsite reservoir where it will be supplied to TRI-GID's end users as reclaimed water.

The Permittee has requested the addition of two (2) new outfalls (Outfall 006 and 007) to discharge treated effluent from the reservoir to a nearby wash and to a proposed trench system, respectively, during periods when the water level in the reservoir nears the freeboard.

MINOR MODIFICATION (Effective April 2026):

The Permittee has requested a modification to the permit to add Outfall 017 for a proposed Advanced Water Treatment Facility (AWTF). The AWTF will receive reclaimed water from TRI-GID's reservoir which it will then process further providing a high-quality reclaimed water for future use in cooling systems.

Additionally, Outfall 018 is being added for discharges from the AWTF to TRI-GID's reservoir. Discharges to the reservoir will mostly occur during the startup phase and may consist of reverse osmosis (RO) permeate and potable water. There is also the possibility of discharges to the reservoir should there be a bypass in the AWTF's systems.

MAJOR MODIFICATION (Effective November 2026):

The Permittee has requested a modification to the permit to add Outfalls 019 through 025 for the addition of reclaimed water users as well as multiple reclaimed water holding tanks. The holding tanks will be equipped with a liquid level indicator, float, ultrasonic level or pressure gauge to discourage overflow, and SCADA monitoring including an alarm system. Although overflow from the tanks is not expected during normal operating conditions, in the event of telemetry failure, overflow may occur. Also included in this modification is the addition of an outfall for the reservoir. Due to recent concerns about the reservoir's capacity, the Division felt it necessary to add an outfall to monitor the reservoir's freeboard.

Corrective Action Sites

There are no active Bureau of Corrective Action sites located within one-mile of the WWTP.

Wellhead Protection Program

The nearest Public Water System (PWS) well is located approximately 0.72 miles west of the WWTP. There are several more PWS wells located to the west, east, and south of the facility. The WWTP is located within a Drinking Water Protection Area which is defined by a 3,000-foot radius around the well. The WWTP is not located within a Wellhead Protection Area which represents an approximate 10-year capture zone of a well. The discharge is not anticipated to affect any PWS wells due to the confined aquifer which is located at a minimum depth of 400 feet below surface level.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit to the Division, for review and approval, two (2) copies (one hard copy and one electronic copy) of an updated Operations and Maintenance (O&M) Manual. The O&M Manual shall be stamped, dated, and signed by a Nevada registered Professional Engineer. The O&M Manual shall also be prepared in accordance with <i>WTS-2: Minimum Information Required for an Operation and Maintenance Manual</i> .	3/1/2024
2	The Permittee shall submit to the Division two (2) copies (one hard copy and one electronic copy) of an updated Reclaimed Water Management Plan (RWMP) for Division review and approval. The RWMP shall be stamped, dated, and signed by a Nevada registered Professional Engineer. The RWMP shall be prepared in accordance with <i>WTS-1B: General Criteria for Preparing a Reclaimed Water Management Plan</i> .	3/1/2024
3	The Permittee shall submit to the Division, for review and approval, a Nitrogen Mitigation Plan for Monitoring Well #1. The plan shall identify the source of the nitrogen contamination and how it will be addressed or remediated.	3/1/2024
4	Within six (6) months of permit issuance, the Permittee shall submit to the Division, for review and approval, a report showing there is no connectivity from the termination point of the discharge to the wash and from the proposed trenches to the Truckee River. The report shall be prepared by a qualified Nevada Registered Professional Engineer, a Pro Geologist, or a Groundwater Hydrologist.	6/1/2024
5	The Permittee shall submit to the Division, for review and approval, a Monitoring Well Program, for two new monitoring wells, Outfalls W10 and W11, (downgradient) located near the proposed trenches.	7/1/2024
6	The first quarter of water quality data from the two new monitoring wells, Outfalls W10 and W11, is due on, or before, October 28, 2024 .	10/28/2024

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly Discharge Monitoring Reports	Quarterly	1/28/2024
2	Annual Discharge Monitoring Reports	Annually	1/28/2024
3	Annual Report (See section C.1.2. of the Permit)	Annually	1/28/2024

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. **10/23/2026**, a period of 30 days following the date of the public notice. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator of EPA Region IX or any interested agency, person or group of persons. The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted. Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determined to be appropriate. All public hearings must be conducted in accordance with NAC 445A.238.

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

Proposed Determination:

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

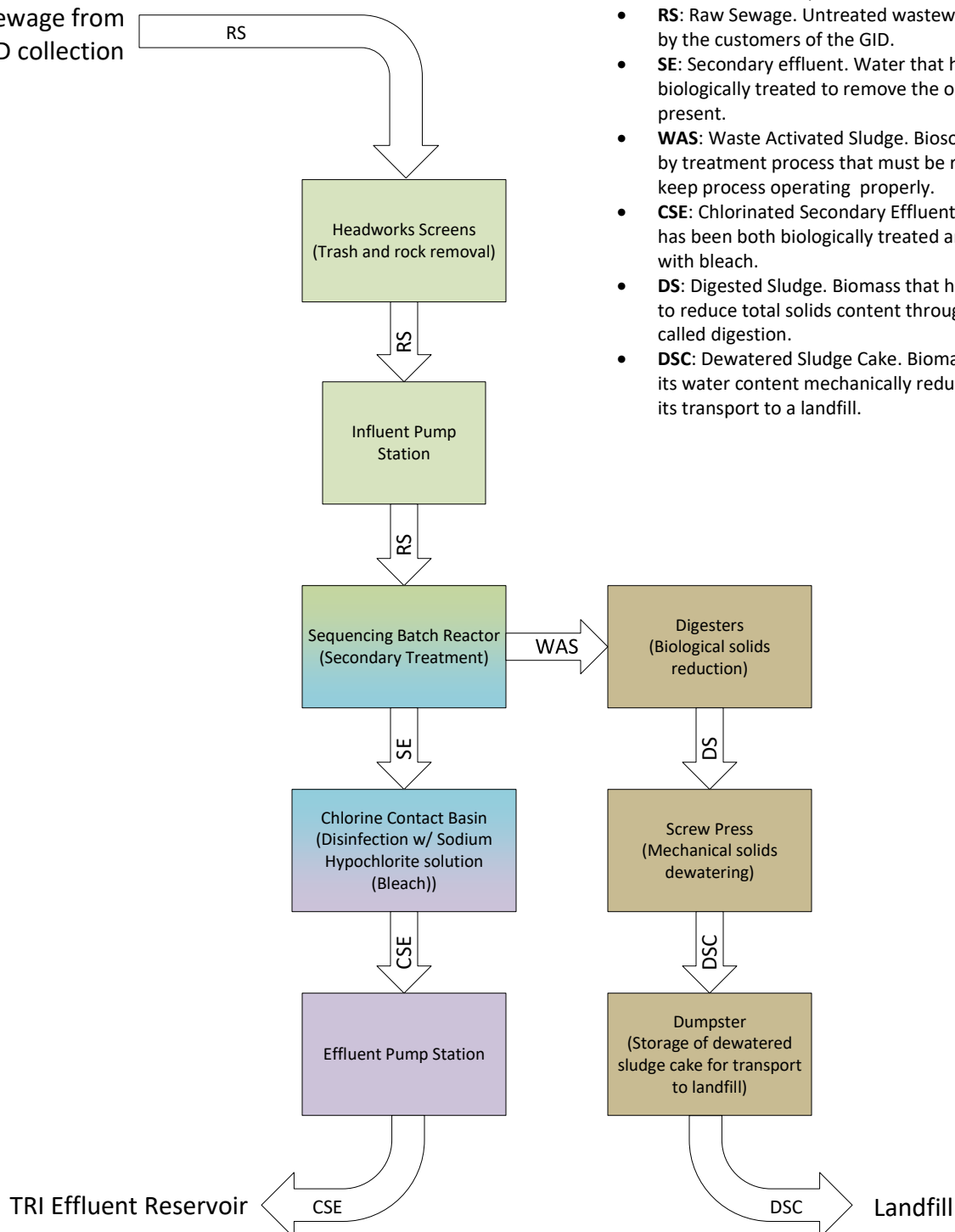
Prepared by: **Bonnie Hartley**

Date: **9/21/2026**

Title: **Staff II, Associate Engineer**

TRI GID Wastewater Treatment Facility
Process Flow Diagram
NDEP Permit #NS2000502

Raw sewage from
TRI GID collection



Process Streams Descriptions

- **RS:** Raw Sewage. Untreated wastewater produced by the customers of the GID.
- **SE:** Secondary effluent. Water that has been biologically treated to remove the organic matter present.
- **WAS:** Waste Activated Sludge. Biosolids produced by treatment process that must be removed to keep process operating properly.
- **CSE:** Chlorinated Secondary Effluent. Water that has been both biologically treated and disinfected with bleach.
- **DS:** Digested Sludge. Biomass that has been treated to reduce total solids content through a process called digestion.
- **DSC:** Dewatered Sludge Cake. Biomass that has had its water content mechanically reduced to allow for its transport to a landfill.