FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: SWAN PRODUCTS LLC

909 E. GLENDALE AVE.
SPARKS, NV 89431

Permit Number: NV0021091

Permit Type: MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURAL FACILITY THAT DISCHARGES NON-PROCESS WASTEWATER

Designation: MINOR NPDES

New/Existing: EXISTING

Location: SWAN PRODUCTS LLC, WASHOE
909 EAST GLENDALE AVENUE, SPARKS, NV 89431
LATITUDE: 39.528333, LONGITUDE: -119.723056
TOWNSHIP: 19 N, RANGE: 20 E, SECTION: 10

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Latitude	Longitude	Receiving Water
001	COOLING WATER DISCHARGE	External Outfall		39.528333	-119.723056	TRUCKEE RIVER VIA CITY OF SPARKS STORM DRAIN AND PEOPLE'S DITCH

Permit History/Description of Proposed Action
The Permittee, Swan Products LLC (Swan), has applied for the renewal of their National Pollutant Discharge Elimination System Permit NV0021091, the residence is located at 909 E. Glendale Avenue, in Sparks, within Washoe County, Nevada. The Permittee proposes to continue to discharge process cooling water via the City of Sparks storm drain system to the People's Ditch, which flows into the North Truckee Drain, which outlets into the Truckee River.

This permit was first issued on October 3, 1995. The most recent permit was issued on April 1, 2016, and expired on March 31, 2021; the permit has been administratively continued since.

Facility Overview
Swan Products LLC is located at 909 East Glendale Avenue, Sparks, Nevada. Swan Products LLC manufactures garden hose, soaker hose and pond diffusers. Swan Products manufactures garden hoses using polyvinyl chloride (PVC) resins, which require a cooling process to cure. Cooling water is supplied for the process from three (3) water supply wells located near the production plant. At this Sparks facility, more than 1,000,000 linear feet of garden hose products are manufactured yearly operating on three shifts. PVC garden hoses are extruded between 320°F and 340°F, flashchilled via a water bath, and then cut and rolled (e.g. 50l.f. spools). Soaker hoses are manufactured from recycled rubber. The cooling water is not chemically conditioned. Presence of any plasticizer (phthalate) would be from the brief contact period in the cooling bath. Cooling trough effluent is discharged to the City of Sparks storm drain system, then to People's Ditch, where it flows approximately one mile to the North Truckee Drain.

Previous research and evaluation of this facility has determined that its discharge falls under the categorical

standards listed in 40 CFR Part 463, Plastic Molding and Forming Point Source Category. Under this regulation, Subpart A, the Contact Cooling and Heating Water Subcategory, applies. For this reason, constituents limited in Subpart A shall be monitored and limited in the renewed permit.

Swan's Operation and Maintenance (O&M) Manual was last reviewed and approved on August 9, 2016. The Technical, Compliance, and Enforcement Branch of the Bureau of Water Pollution Control requires O&M Manuals to be updated every ten (10) years, with an updated O&M Manual due on August 9, 2026.

Outfall Summary
Outfall 001 – This external outfall is for the discharge of untreated, cooling water to the People's Ditch via the City of Sparks storm drain system. Water flow through the People's Ditch, into the North Truckee Ditch, which discharges to the Truckee River.

Effluent Characterization
Nevada State Network Discharge Monitoring Report (NetDMR) data, as reported from July 2020 to November 2025, along with lab results spanning December 2016 through December 2024, were reviewed as part of this permit renewal process. The reported long-term 30-day average flow rate was 0.02 million gallons per day (Mgal/d), being permitted for 0.25 Mgal/d, with an average, long-term daily maximum flow rate of 0.03 Mgal/d reported. There were no reported exceedances of the permitted limit.

Notes:
lb/day = Pounds per Day
mg/L = Milligrams per Liter
S.U. = Standard Units
PCB = Polychlorinated Biphenols
PCE = Tetrachloroethylene
TCE = Trichloroethylene
TSS = Total Suspended Solids
TIN = Total Inorganic Nitrogen
TPH = Total Petroleum Hydrocarbons
VOC = Volatile Organic Compounds

*remaining instances reported being non-detect

Outfall 001 (Post Sump/Prior to Storm Drain):
Antimony: 3.6 ug/L (1 instance, *)
Arsenic: 5.9 ug/L (2 instances, *)
Bis(2-ethylhexyl) phthalate: None detect
BOD, 5-day: 0.3 lbs/day (1 instance, *)
BOD, 5-day: 3.0 mg/L (1 instance, *)
Copper: 84 ug/L (5 instances, *)
Cyanide: 12 ug/L (1 instance, *)
Endosulfan sulfate: 0.21 ug/L (4 instances, *)
Lead: 6.9 ug/L (1 instance, *)
Oil & Grease: 1.9 mg/L (1 instance, *)
Oil & Grease: Non-detect per lb/d
pH: 7.10 S.U.
TSS: 0.52 lb/day (1 instance, *)
TSS: 6.16 mg/L (5 instances, *)

The remaining reported parameters being inorganic chemicals, organic chemicals, VOCs (including both PCE and TCE), pesticides/PCBs/dioxins, along with other constituents, were reported as non-detect during the period reviewed.

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. Pollutants of concern are .alpha-Endosulfan, Arsenic, BOD5, Beryllium, Copper, Cyanide, Oil and grease, pH, PCE, TCE, TSS, Turbidity, and the toxic materials defined under Nevada Administrative Code (NAC) 445A.1236 or listed under EPA's 40 CFR Part 463, Plastic Molding and Forming Point Source Category.

Receiving Water
The cooling water is discharged to the City of Sparks storm drain system, then to People's Ditch, where it flows approximately one mile to the North Truckee Drain. From the confluence of the People's Ditch and the North Truckee Drain it is approximately a mile and a half to the Truckee River. Sections of People's Ditch and the North Truckee Drain that convey this discharge are subsurface.

Applicable Water Quality Standards/Beneficial Uses
The water quality standards (WQSs) for the nearest downstream control point, “Truckee River at Lockwood Bridge” (NAC 445A.1688) apply. WQSs for the Truckee River at the Lockwood Bridge includes beneficial uses for the watering of livestock, irrigation, aquatic life, recreation involving contact, recreation not involving contact with the water, municipal or domestic supply, industrial use, and propagation of wildlife. Additional WQSs applicable to this section of the Truckee River include toxic materials (NAC 445A.1236). Furthermore, water quality narrative standards applicable to all surface waters (NAC 445A.121) apply and water quality criteria for total ammonia (NAC 445A.118).

303 (d) Listing Status
According to Nevada’s 2020 – 2022 Water Quality Integrated Report (WQIR), the following beneficial uses for Truckee River at Lockwood Bridge are not supported:

• The municipal or domestic beneficial use is impaired by Beryllium.

• The aquatic life beneficial use is impaired by turbidity.

TMDL
Per Section 303(d)(1)(C) of the CWA, states are required to develop Total Maximum Daily Loads (TMDLs) for parameters that do not meet water quality standards for a waterbody. TMDLs are implemented during the permitting process by limiting the load of that parameter that may be discharged to the receiving water. The Truckee River TMDLs and Waste Loads Allocations (WLAs) for Total Nitrogen, Total Phosphorus, and Total Dissolved Solids were adopted in February 1994. The TMDLs apply to the receiving water: Truckee River at Lockwood Bridge (NAC 445A.1688).

Waste Load Allocation
The Truckee River at Lockwood Bridge (NAC 445A.1688) has established TMDLs for total dissolved solids, total nitrogen, and total phosphorus established in 1994, although this facility was assigned a TMDL at that time, with only Truckee Meadows Water Reclamation Facility (TMWRF) being the only source on that segment of the river to have them.

Thus, total dissolved solids, total nitrogen, and total phosphorus, both concentration and mass, were assigned limits, based on the mass load calculation (refer Page 6 of the Permit) and applicable WQSs (as defined under NAC 445A.1688), to be sampled on an annual basis, with this sampling frequency being deemed appropriate to monitor the load to the Truckee River.<

Compliance History
The facility has been in compliance with the exception of low pH levels and high levels of Copper reported. The proposed permit will have an established limit for Copper, and the Permittee is working with their engineer, who needs to develop a plan for lowering those reported concentrations, with the approval of any plans to be done through the Division's Technical, Compliance, and Enforcement group.

Proposed Effluent Limitations

The permit shall be limited, sampled and monitored by the Permittee as specified below:

Discharge Limitations Table for Sample Location 001 (Post Sump/Prior To Storm Drain System) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	Daily Maximum	<= 0.335 Million Gallons per Day (Mgal/d)		Effluent Gross	001	Continuous[1]	METER
Flow rate	30 Day Average	<= 0.25 Million Gallons per Day (Mgal/d)		Effluent Gross	001	Continuous[1]	METER
Color, apparent (unfiltered sample)	Daily Maximum		M&R Color - Platinum Cobalt Unit (col unit (pc)) [2]	Effluent Gross	001	Monthly	VISUAL
Oxygen, dissolved (DO)	Daily Maximum		M&R Milligrams per Liter (mg/L)[3]	Effluent Gross	001	Monthly	DISCRT
pH, maximum	Daily Maximum		<= 9.0 Standard Units (SU)	Effluent Gross	001	Monthly	DISCRT
pH, minimum	Daily Minimum		>= 6.5 Standard Units (SU)	Effluent Gross	001	Monthly	DISCRT
Temperature, water deg. centigrade	Daily Maximum		M&R Degrees Centigrade (deg C)[4]	Effluent Gross	001	Monthly	DISCRT

Notes (Discharge Limitations Table):

1. Flow measurements shall be estimated and inferred from influent pump hour meter. Hour meter readings shall be recorded weekly.
2. Increase in color must not be more than 10 PCU above natural conditions.
3. Dissolved oxygen levels not to exceed 6.0 mg/L during November thru March and 5.0 mg/L during April thru October.
4. Temperatures (in centigrade) not to exceed 13 degrees during November thru March, 21 degrees in April, 22 degrees in May, and 23 degrees from June thru October, with a $\Delta \leq 2$.

Discharge Limitations Table for Sample Location 001 (Post Sump/Prior To Storm Drain System) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
.alpha.-Endosulfan	Daily Maximum		<= 0.056 Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
Alkalinity, total (as CaCO3)	Daily Maximum		<= 20 Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	DISCRT
Arsenic, total recoverable	Daily Maximum		<= 50 Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
Beryllium, total recoverable (as Be)	Daily Maximum		<= 4 Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
Bis(2-ethylhexyl) phthalate	Daily Maximum		<= 6 Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
BOD, 5-day, 20 deg. C	Daily Maximum	<= 72.64 Pounds per Day (lb/d)	<= 26 Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	DISCRT
Chloride (as Cl)	Daily Maximum		<= 30 Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	DISCRT
Copper, dissolved (as Cu)	Daily Maximum		<= 4 Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
Cyanide, free available	Daily Maximum		<= 5.2 Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
Lead, dissolved (as Pb)	Daily Maximum		<= 1 Micrograms per Liter (ug/L)	Effluent Gross	001	Quarterly	DISCRT
Nitrogen, nitrate total (as N)	Daily Maximum		<= 2.0 Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	DISCRT
Nitrogen, nitrite total (as N)	Daily Maximum		<= 0.04 Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	DISCRT

Discharge Limitations Table for Sample Location 001 (Post Sump/Prior To Storm Drain System) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Oil & grease	Daily Maximum	<= 81.02 Pounds per Day (lb/d)	<= 29 Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	DISCRT
Sodium adsorption ratio	Daily Maximum		<= 2.0 Ratio (Ratio)	Effluent Gross	001	Quarterly	DISCRT
Solids, total suspended	Daily Maximum	<= 53.08 Pounds per Day (lb/d)	<= 19 Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	DISCRT
Sulfate (as S)	Daily Maximum		<= 46 Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	DISCRT
Turbidity	Daily Maximum		<= 10 Nephelometric Turbidity Units (NTU)	Effluent Gross	001	Quarterly	DISCRT

Discharge Limitations Table for Sample Location 001 (Post Sump/Prior To Storm Drain) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Nitrogen, total	Daily Maximum	M&R Pounds per Day (lb/d)[1]		Effluent Gross	001	Annual	DISCRT
Nitrogen, total	Annual Average		<= 0.75 Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Phosphorus, total (as P)	Daily Maximum	M&R Pounds per Day (lb/d)[1]		Effluent Gross	001	Annual	DISCRT
Phosphorus, total (as P)	Annual Average		<= 0.05 Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Solids, total dissolved	Annual Average		<= 260 Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Tetrachloroethylene	Daily Maximum		<= 5 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT
Trichloroethylene	Daily Maximum		<= 5 Micrograms per Liter (ug/L)	Effluent Gross	001	Annual	DISCRT

Notes (Discharge Limitations Table):

1. Mass Load (lbs/day) = Flow (MGD) x Concentration (mg/L) x 8.34

Discharge Limitations Table for Sample Location 001 (Post Sump/Prior To Storm Drain) To Be Reported Once During The Permit Term

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Phenanthrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Pyrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
1,1,2,2-Tetrachloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
1,1,2-Trichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
1,1-Dichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
1,1-Dichloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
1,2-Dichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
1,2-Dichloropropane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
trans-1,2-Dichloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
1,3-Dichloropropene (Dichloropropenes)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
2-Chloroethyl vinyl ether, (mixed)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
			M&R				

Discharge Limitations Table for Sample Location 001 (Post Sump/Prior To Storm Drain) To Be Reported Once During The Permit Term

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

Discharge Limitations Table for Sample Location 001 (Post Sump/Prior To Storm Drain) To Be Reported Once During The Permit Term

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Methylene chloride	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Vinyl Chloride (Chloroethylene (Vinyl))	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
4,4-DDD	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
4,4-DDE	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
.alpha.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
.beta.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
.delta.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Endosulfan sulfate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Endrin aldehyde	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
.gamma.-BHC	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
2,4,6-Trichlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
			M&R				

Discharge Limitations Table for Sample Location 001 (Post Sump/Prior To Storm Drain) To Be Reported Once During The Permit Term

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
2,4-Dimethylphenol	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
2,4-Dinitrophenol (Dinitrophenols)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
2-Chlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-2-Methylphenol)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
2-Nitrophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
4-Chloro-3-methylphenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
4-Nitrophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
2,3,7,8-Tetrachlorodibenzo-p-dioxin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Asbestos	Daily Maximum		M&R Fibers per Milliliter (Fib/mL)	Effluent Gross	001	Once Per Permit Term	DISCRT
Benzidine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Benzo(a)anthracene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Benzo(a)pyrene	Daily Maximum		M&R Micrograms per Liter	Effluent Gross	001	Once Per Permit Term	DISCRT

Discharge Limitations Table for Sample Location 001 (Post Sump/Prior To Storm Drain) To Be Reported Once During The Permit Term

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
			(ug/L)				
Benzo(b)fluoranthene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Benzo(ghi)perylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Benzo(k)fluoranthene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Bis(2-chloroethoxy)methane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Bis(2-chloroethyl) ether	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Butyl benzyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Chrysene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Dibenzo(a,h)anthracene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Diethyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Dimethyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Di-n-butyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT

Discharge Limitations Table for Sample Location 001 (Post Sump/Prior To Storm Drain) To Be Reported Once During The Permit Term

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Di-n-octyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Fluorene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Hexachlorobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Hexachlorobutadiene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Hexachloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Indeno(1,2,3-cd)pyrene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Naphthalene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
N-Nitrosodimethylamine (NDMA)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
N-Nitrosodi-N-propylamine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
N-Nitrosodiphenylamine	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Antimony, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
			M&R				

Discharge Limitations Table for Sample Location 001 (Post Sump/Prior To Storm Drain) To Be Reported Once During The Permit Term

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Barium, total recoverable	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Boron, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Cadmium, dissolved (as Cd)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Chromium, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Chromium, Hexavalent [As CR] (Chromium (VI))[1]	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Chromium, Trivalent [As CR] (Chromium (III))[1]	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Fluoride, total (as F)[2]	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Iron, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Manganese, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Mercury, dissolved (as Hg)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Molybdenum, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
			M&R				

Discharge Limitations Table for Sample Location 001 (Post Sump/Prior To Storm Drain) To Be Reported Once During The Permit Term

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Nickel, total recoverable	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Selenium, dissolved [as Se]	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Silver, dissolved (as Ag)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Sulfide, total (as S)[2]	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Thallium, total recoverable	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Zinc, dissolved (as Zn)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Acrolein	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Aldrin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
.alpha.-Endosulfan	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
.beta.-Endosulfan	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Benzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
			M&R				

Discharge Limitations Table for Sample Location 001 (Post Sump/Prior To Storm Drain) To Be Reported Once During The Permit Term

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	Once Per Permit Term	DISCRT
Chlordane (tech mix. and metabolites)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
2,4-D, isobutyl ester in sediments	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
4,4-DDT	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Demeton	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Diazinon	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Dibutyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
1,3-Dichlorobenzene (M-Dichlorobenzene)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
1,2-Dichlorobenzene (O-Dichlorobenzene)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
1,4-Dichlorobenzene (P-Dichlorobenzene)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Dichloroprop	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
			M&R				

Discharge Limitations Table for Sample Location 001 (Post Sump/Prior To Storm Drain) To Be Reported Once During The Permit Term

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Dieldrin	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Di-2-ethylhexyl phthalate	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Endosulfan, total	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Endrin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Fluoranthene (Fluoranthene (Polynuclear Aromatic Hydrocarbon))	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Azinphos-Methyl (Guthion)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Heptachlor	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Heptachlor epoxide	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Hexachlorocyclopentadiene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Isophorone	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Lindane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
			M&R				

Discharge Limitations Table for Sample Location 001 (Post Sump/Prior To Storm Drain) To Be Reported Once During The Permit Term

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Malathion	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Methoxychlor	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Mirex	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Monochlorobenzenes	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Nitrobenzene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Nonylphenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Parathion	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Pentachlorophenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Phenol	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Polychlorinated biphenyls (PCBs)	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Silvex	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
			M&R				

Discharge Limitations Table for Sample Location 001 (Post Sump/Prior To Storm Drain) To Be Reported Once During The Permit Term

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Toluene	Daily Maximum		Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Toxaphene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Tributyltin	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
1,1,1-Trichloroethane	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Trichloroethylene	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT
Trihalomethane, tot.	Daily Maximum		M&R Micrograms per Liter (ug/L)	Effluent Gross	001	Once Per Permit Term	DISCRT

Notes (Discharge Limitations Table):

1. Analysis to be done to the dissolved fraction.
2. Total Recoverable.

Summary of Changes From Previous Permit

Under Outfall 001 To Be Reported Monthly the following additions or changes were made:

ADDED - Color, apparent (unfiltered sample), with a "Daily Maximum" Base, an "Color - Platinum Cobalt Unit (col unit (pc))" Concentration (see Footnote 2), an "Effluent Gross" Monitoring Location, a "001" Sample Location, a "Monthly" Measurement Frequency, a "Discrt" Sample Type.

ADDED - Oxygen, dissolved (DO), with a "Daily Maximum" Base, an "M&R Milligrams per Liter (mg/L)" Concentration (see Footnote 3), an "Effluent Gross" Monitoring Location, a "001" Sample Location, a "Monthly" Measurement Frequency, a "Discrt" Sample Type.

ADDED - Temperature, watre deg. centigrade, with a "Daily Maximum" Base, an "M&R Degrees Centigrade (deg C)" Concentration (see Footnote 4), an "Effluent Gross" Monitoring Location, a "001" Sample Location, a "Monthly" Measurement Frequency, a "Discrt" Sample Type.

ADDED - Footnotes 2, 3, and 4.

2. Increase in color must not be more than 10 PCU above natural conditions.

3. Dissolved oxygen levels not to exceed 6.0 mg/L during November thru March and 5.0 mg/L during April thru October.

4. Temperatures (in centigrade) not to exceed 13 degrees during November thru March, 21 degrees in April, 22 degrees in May, and 23 degrees from June thru October.

Under Outfall 001 To Be Reported Quarterly the following additions were made:

ADDED - .alpha-Endosulfan, with a “Daily Maximum” Base, a “<= 0.056 Micrograms per Liter (ug/L)” Concentration, a “Effluent Gross” Monitoring Location, a “001” Sample Location, a “Quarterly” Measurement Frequency, and a “DISCRT” Sample Type.

ADDED - Alkalinity, total(as CaCO3), with a "Daily Maximum" Base, a "<=20 Milligrams per Liter (mg/L)" Concentration, a “Effluent Gross” Monitoring Location, a “001” Sample Location, a “Quarterly” Measurement Frequency, and a “DISCRT” Sample Type.

ADDED - Arsenic, total recoverable, with a "Daily Maximum" Base, a "<=50 Micrograms per Liter (ug/L)" Concentration, a “Effluent Gross” Monitoring Location, a “001” Sample Location, a “Quarterly” Measurement Frequency, and a “DISCRT” Sample Type.

ADDED – Beryllium, total recoverable (as Be), with a “Daily Maximum” Base, a “<=4 Micrograms per Liter (ug/L)” Concentration, a “Effluent Gross” Monitoring Location, a “001” Sample Location, a “Quarterly” Measurement Frequency, and a “DISCRT” Sample Type.

ADDED – Chloride (as Cl), with a “Daily Maximum” Base, a “<=30 Milligrams per Liter (mg/L)” Concentration, a “Effluent Gross” Monitoring Location, a “001” Sample Location, a “Quarterly” Measurement Frequency, and a “DISCRT” Sample Type.

ADDED – Copper, dissolved (as Cu), with a “Daily Maximum” Base, a “<=4 Micrograms per Liter (ug/L)” Concentration, a “Effluent Gross” Monitoring Location, a “001” Sample Location, a “Quarterly” Measurement Frequency, and a “DISCRT” Sample Type.

ADDED – Cyanide, free available, with a “Daily Maximum” Base, a “<=5.2 Micrograms per Liter (ug/L)” Concentration, a “Effluent Gross” Monitoring Location, a “001” Sample Location, a “Quarterly” Measurement Frequency, and a “DISCRT” Sample Type.

ADDED – Lead, dissolved, with a “Daily Maximum” Base, a “<=1 Micrograms per Liter (ug/L)” Concentration, a “Effluent Gross” Monitoring Location, a “001” Sample Location, a “Quarterly” Measurement Frequency, and a “DISCRT” Sample Type.

ADDED - Nitrogen, nitrate total (a N), with a "Daily Maximum" Base, a "<=2.0 Milligrams per Liter (mg/L)" Concentration, a “Effluent Gross” Monitoring Location, a “001” Sample Location, a “Quarterly” Measurement Frequency, and a “DISCRT” Sample Type.

ADDED - Nitrogen, nitrite total (a N), with a "Daily Maximum" Base, a "<=0.04 Milligrams per Liter (mg/L)" Concentration, a “Effluent Gross” Monitoring Location, a “001” Sample Location, a “Quarterly” Measurement Frequency, and a “DISCRT” Sample Type.

ADDED - Sodium absorption ratio, with a "Daily Maximum" Base, a "<=2.0 Ratio (Ratio)" Concentration, a “Effluent Gross” Monitoring Location, a “001” Sample Location, a “Quarterly” Measurement Frequency, and a “DISCRT” Sample Type.

ADDED - Sulfate, with a "Daily Maximum" Base, a "<=46 Milligrams per Liter (mg/L)" Concentration, a “Effluent Gross” Monitoring Location, a “001” Sample Location, a “Quarterly” Measurement Frequency, and a “DISCRT” Sample Type.

ADDED – Turbidity, with a “Daily Maximum” Base, a “<=10 Nephelometric Turbidity Units (NTU)”

Concentration, a “Effluent Gross” Monitoring Location, a “001” Sample Location, a “Quarterly” Measurement Frequency, and a “DISCRT” Sample Type.

CHANGED - BOD, 5-day, with a "Daily Maximum" Base, from a "0.13 Pounds per Day (lbs/d)" Quantity to a "72.64 Pounds per Day (lbs/d)" Quantity, with the remaining monitoring requirements being the same as the previous permit.

CHANGED - Oil & grease, with a "Daily Maximum" Base, from a "0.10 Pounds per Day (lbs/d)" Quantity to a "81.02 Pounds per Day (lbs/d)" Quantity, with the remaining monitor requirements being same as the previous permit.

CHANGED - Solids, total suspended, with a "Daily Maximum" Base, from a "0.10 Pounds per Day (lbs/d)" Quantity to a "53.08 Pounds per Day (lbs/d)" Quantity, with the remaining monitoring requirements being the same as the previous permit.

Under Outfall 001 To Be Reported Annually, the following changes, additions, or deletions were made:

DELETED – All VOCs, toxic materials, inorganic materials, organic materials, and pesticides/PCBs/Dioxins parameters, which were changed to a Once During the Permit Term reporting requirement due to years of non-detectable levels being reported.

ADDED – Nitrogen, total, with a “Daily Maximum” Base, a “<=0.75 Milligrams per Liter (mg/L)” Concentration, a “Effluent Gross” Monitoring Location, a “001” Sample Location, a “Annual” Measurement Frequency, and a “DISCRT” Sample Type.

ADDED – Phosphorus, total (as P), with a “Annual Average” Base, a “<=0.05 Milligrams per Liter (mg/L)” Concentration, a “Effluent Gross” Monitoring Location, a “001” Sample Location, a “Annual” Measurement Frequency, and a “DISCRT” Sample Type.

ADDED – Solids, total dissolved, with a “Daily Maximum” Base, a “<=260 Milligrams per Liter (mg/L)” Concentration, a “Effluent Gross” Monitoring Location, a “001” Sample Location, a “Annual” Measurement Frequency, and a “DISCRT” Sample Type.

ADDED – Tetrachloroethylene, with a “Daily Maximum” Base, a “<=5 Micrograms per Liter (ug/L)” Concentration, a “Effluent Gross” Monitoring Location, a “001” Sample Location, a “Annual” Measurement Frequency, and a “DISCRT” Sample Type.

ADDED – Trichloroethylene, with a “Daily Maximum” Base, a “<=5 Micrograms per Liter (ug/L)” Concentration, a “Effluent Gross” Monitoring Location, a “001” Sample Location, a “Annual” Measurement Frequency, and a “DISCRT” Sample Type.

ADDED – Outfall 001 with a Once During the Permit Term Reporting Requirement along with the following additions:

ADDED - All VOCs, toxic materials, inorganic materials, organic materials, and pesticides/PCBs/Dioxins parameters (as originally listed under Outfall 001 Annual Reporting), with a “Daily Maximum” Base, a “M&R” Micrograms per Liter (ug/L)” Concentration, an “Effluent Gross” Monitoring Location, a “001” Sample Location, a “Once a Permit Term” Measurement Frequency, and a “DISCRT” or "COMPOS" Sample Type.

Technology Based Effluent Limitations
The limits for BOD 5-Day, TSS, and Oil and Grease, not including bis (2-ethylhexyl) phthalate, are set according to the categorical standards listed in 40 CFR Part 463, Plastics Molding and Forming Point Source Category, Subpart A, Contact Cooling and Heating Water Subcategory. These limits are concentration based, and are not based on plant production.

BOD 5-Day, Oil and Grease, and TSS - CFR Part 463 Subpart A § 463.12, effluent limitations guidelines

representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available. Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the effluent limitation guidelines (i.e., mass of pollutant discharged) representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available, which are calculated by multiplying the sample day process water usage flow rate for the contact cooling water process at a point source times the pollutant concentrations sampled on the same day.

For pH, the limits found under 40 CFR 463 were not used as the WQSs for the Truckee River are more restrictive than the technology based effluent limits (TBEL) are.

Water Quality Based Effluent Limitations

State regulations require that point source discharges not cause a violation of any applicable WQSs in the receiving water, nor interfere with the attainment or maintenance of beneficial uses. The following water quality-based effluent limit (WQBEL) requirements, based on NAC 445A.1688, are included in the proposed permit to ensure that the discharge does not cause WQS violations. In addition, the proposed permit requires monitoring and reporting of constituents that are subject of WQSs and may be present in the discharge.

The proposed permit retains a daily maximum limit of 9.0 standard units (S.U.) and a daily minimum limit of 6.5 S.U. for pH as prescribed at NAC 445A.1688 to protect the aquatic life designated beneficial use, with a monthly reporting requirement.

The proposed permit retains the daily maximum of 6 micrograms per liter (ug/L) concentration limit for Bis (2-ethylhexyl) phthalate, as prescribed under the EPA's drinking water standards , for which this portion of the Truckee River has municipal or domestic supply beneficial use, with a quarterly reporting requirement.

The proposed permit retains the daily maximum of 26 mg/L concentration limit for BOD5, prescribed under both the federal EPA’s 40 CFR Part 463, Plastic Molding and Forming Point Source Category, Contact Cooling and Heating Water Subcategory and NAC 445A.1688, with a quarterly reporting requirement.

The proposed permit retains a daily maximum of 29 mg/L concentration limit for Oil & Grease, prescribed under both the federal EPA’s 40 CFR Part 463, Plastic Molding and Forming Point Source Category, Contact Cooling and Heating Water Subcategory, with a quarterly reporting requirement.

The proposed permit retains the daily maximum of 19 mg/L concentration limit for TSS, prescribed under both the federal EPA’s 40 CFR Part 463, Plastic Molding and Forming Point Source Category, Contact Cooling and Heating Water Subcategory, with a quarterly reporting requirement.

The proposed permit retains a daily maximum monitoring and reporting (M&R) for the toxic materials as listed under NAC 445A.1236, with a once during the permit term sampling requirement due to the constituents being non-detect during the period reviewed. If, during the next renewal review process, the water quality data shows a reasonable potential (via a RPA) for any constituent, the Division will retain that constituent with a limit and may increase its sampling frequency. Toxic constituents that prove no reasonable potential may remain in future permits; however, a limit may not be associated with said constituent. The sampling frequency may remain once during the term of the permit, unless new information proves otherwise.

The permit retains the requirement to monitor and report VOCs, toxins, PCBs, and dioxins to satisfy anti-backsliding requirements, even if the prior results have been non-detect during the past 6 years. Since these analytes have been non-detect for minimally the past five (5) years, the Permittee may continue to sample them once per permit term. There are no numerical limits for these constituents; therefore, these analytes will be monitored and reported.

Reasonable Potential Analysis (RPA)

Section 301(b)(1)(c) of the CWA requires effluent limitations necessary to meet WQSs, and Title 40 of the Code of Federal Regulation (CFR) section 122.44(d) requires permits to include conditions that are necessary to achieve WQSs established under Section 303 of the CWA, including state narrative criteria for water quality. Federal regulations at 40 CFR 122.44(d)(1)(i) state, “Limitations must control all pollutants or pollutant parameters (either conventional, nonconventional, or toxic pollutants) which the Director determines are or may be discharged at a level that will cause, have the reasonable potential to cause, or contribute to an excursion above any State water quality standard, including State narrative criteria for water quality.” The process to determine whether a WQBEL is required as described in 40 CFR 122.44(d)(1)(i) is referred to as a reasonable potential analysis, or RPA. Furthermore, NAC 445A.243 requires the Division to consider the establishment of effluent limitations necessary to meet WQSs.

For conducting the RPA, the Division used a mass balanced approach to determine the expected critical downstream receiving water concentration using statistics recommended in the United States Environmental Protection Agency’s Technical Support Document (TSD) for Water Quality Based Toxic Control for statistically calculating the projected maximum effluent concentration (i.e., Table 31 of the TSD using the 99 percent probability basis and 99 percent confidence interval). For purposes of the RPA, the critical receiving water flow was assumed to be zero (i.e., no dilution); therefore, the critical effluent pollutant concentrations were compared with the most restrictive water quality criteria under NAC 445A.1688 to determine if the discharge has reasonable potential to cause, or contribute to, an excursion above a State WQS. Water quality criteria relating to NAC 445A.1236 was reviewed in this analysis. The RPA was based on data collected from December 2016 to December 2024 which includes effluent data submitted in DMRs and the Permittee’s monitoring laboratory reports. The RPA shows the discharge from Outfall 001 exhibits reasonable potential to cause, or contribute to, instream excursions above the applicable water quality criteria for alpha-Endosulfan, Arsenic, Copper, Cyanide, and Lead. Therefore, limits were included for these constituents for Outfall 001, each having quarterly reporting requirement.

Proposed Water Quality Based Effluent Limits (monthly/weekly/daily)
The proposed permit establishes a daily maximum of M&R Color – Platinum Cobalt Unit (col unit (pc)) for Color, with an included footnote stating, “increase in color must not be more than 10 PCU above natural conditions”, based on the water quality standards prescribed under NAC 445.1688, with a monthly sampling requirement.

The proposed permit establishes a daily maximum of M&R Milligrams per Liter (mg/L) for Dissolved Oxygen, with an included footnote stating, “dissolved oxygen levels not to exceed 6.0 mg/L during November thru March and 5.0 mg/L during April thru October”, based on the water quality standards stated under NAC 445.1688, with a monthly sampling requirement.

The proposed permit establishes a daily maximum of M&R Degrees Centigrade (deg C) for Temperature, with an included footnote stating, “temperatures (in centigrade) not to exceed 13 degrees during November thru March, 21 degrees in April, 22 degrees in May, and 23degrees from June thru October.”, based on the water quality standards prescribed under NAC 445.1688, with a monthly sampling requirement.

The proposed permit establishes a daily maximum limit of 0.056 micrograms per liter (ug/L) for alpha-Endosulfan, This limitation for alpha-Endosulfan is based on findings from the Reasonable Potential Analysis (RPA), and as prescribed under NAC 445A.1236 Toxic Materials list. The sampling frequency shall be on a quarterly basis.

The proposed permit establishes a daily maximum limit of 20 mg/L for Alkalinity (as CaCO3), based on the water quality standards prescribed under NAC 445A.1688, with a quarterly sampling requirement.

The proposed permit establishes a daily maximum limit of 50 ug/L for Arsenic. This limitation for Arsenic is based on findings from the Reasonable Potential Analysis (RPA), and as prescribed under NAC 445A.1236 Toxic Materials list. The sampling frequency shall be on a quarterly basis.

The proposed permit establishes a daily maximum of 4 ug/L for Beryllium, based on it being a 303(d) pollutant of concern as defined under the Nevada 2020 – 2022 Water Quality Integrated Report (WQIR),

with a quarterly reporting requirement.

The proposed permit establishes a daily maximum of 15,000 ug/L for Bis(2-ethylhexyl) phthalate, based on the water quality standards prescribed under NAC 445A.1236 Toxic Materials list, with a quarterly sampling requirement.

The proposed permit establishes a daily maximum of 30 mg/L for Chloride, based on the WQSs under NAC 445A.1688, with an annual reporting requirement.

The proposed permit establishes a daily maximum limit of 4 ug/L for Copper (dissolved). This limitation for dissolved copper is based on findings from the Reasonable Potential Analysis (RPA), and as prescribed under NAC 445A.1236 Toxic Materials list. The sampling frequency shall be on a quarterly basis.

The proposed permit includes a daily maximum limit of 5 ug/L for Cyanide, free available, with the limitation based on findings from the Reasonable Potential Analysis (RPA) and as prescribed under NAC 445A.1236 Toxic Materials list. The sampling frequency shall be on a quarterly basis.

The proposed permit includes a daily maximum limit of 1 ug/L for Lead (Dissolved), with the limitation based on findings from the Reasonable Potential Analysis (RPA), and as prescribed under NAC 445A.1236 Toxic Materials list. The sampling frequency shall be done on a quarterly basis.

The proposed permit establishes a daily maximum limit of 2 mg/L for Nitrogen, based on the WQSs under NAC 445A.1688, with an annual reporting requirement.

The proposed permit establishes a daily maximum limit of 0.04 mg/L for Nitrate (as N), based on the WQSs under NAC 445A.1688, with an annual reporting requirement.

The proposed permit establishes a daily maximum of <=2.0 Ratio (Ratio) for Sodium, absorption ratio, as stated under water quality standard NAC 445A.1688, with a quarterly sampling requirement.

The proposed permit establishes a daily maximum of <=46 mg/L for Sulfate, based on water quality standards as prescribed under NAC 445A.1688, with a quarterly sampling requirement.

The proposed permit established a daily maximum of <=10 Nephelometric Turbidity Units (NTU) for Turbidity, based on the WQSs under NAC 445A.1688, along with it being a 303(d) pollutant of concern, as defined under the Nevada 2020 – 2022 Water Quality Integrated Report (WQIR), with a quarterly reporting requirement.

The proposed permit establishes an annual average limit of 1.2 mg/L for Nitrogen, based on the WQSs under NAC 445A.1688, with an annual reporting requirement.

The proposed permit establishes an annual average limit of 0.05 mg/L for Phosphorus, based on the WQSs under NAC 445A.1688, with an annual reporting requirement.

The proposed permit establishes a daily maximum of 46 mg/L for Sulfate, based on the WQSs under NAC 445A.1688, with an annual reporting requirement.

The proposed permit establishes the requirement to sample for TDS based on the water quality standards stated under NAC 445A.1688, which includes a TDS requirement of 95% of the single value samples being less than or equal to 260 mg/L, with an annual sampling requirement.

The proposed permit establishes a daily maximum limit of 5 ug/L for Tetrachloroethylene (PCE), as prescribed under NAC 445A.1236, with an annual reporting requirement.

The proposed permit establishes a daily maximum limit of 5 ug/L for Trichloroethylene (TCE), as prescribed under NAC 445A.1236, with an annual reporting requirement.

Mass-Based Limits (If Applicable)
The proposed permit establishes the daily maximum of 72.64 pounds per day (lb/d) quantity for BOD5, asprescribed under the federal EPA's 40 CFR Part 463, Plastic Molding and Forming Point Source Category, Contact Cooling and Heating Water Subcategory, with a quarterly reporting requirement.

The proposed permit establishes a daily maximum of 81.02 pounds per day (lb/d) quantity for Oil & Grease, as prescribed under the federal EPA's 40 CFR Part 463, Plastic Molding and Forming Point Source Category, Contact Cooling and Heating Water Subcategory, with a quarterly reporting requirement.

The proposed permit establishes the daily maximum of 53.08 pounds per day (lb/d) quantity for TSS, prescribed under the federal EPA's 40 CFR Part 463, Plastic Molding and Forming Point Source Category, Contact Cooling and Heating Water Subcategory, with a quarterly reporting requirement.

The limits for the parameters listed above, being BOD5, Oil & Grease, and TSS, are based on the following formula:
lbs/day = Flow Rate (MGD) x Concentration (mg/L) x 8.34, using the daily maximum flow rate of 0.335 MGD.

The proposed permit establishes a daily maximum of M&R lb/day for Nitrogen, based on the TMDLs established for the Truckee River at the Lockwood Bridge, with an annual reporting requirement.

The proposed permit establishes a daily maximum of M&R lb/day for Phosphorus, based on the TMDLs established for the Truckee River at the Lockwood Bridge, with an annual reporting requirement.

Basis for Effluent Limitations
pH - the Truckee River has an requirement to maintain existing higher qualit (RMHQ) for pH of 7.1 to 8.5, historical and current limits are set at the Beneficial Use of 6.5 to 9.0. NDEP Water Quality Planning March 2010 Antidegradation Documents states the following for Renewal Permit Types for Tier 1 and Tier 2: "*Permit renewals with the same or lower discharge limit/load as the previous permit are not considered to lower water quality and are subject only to Tier 1 review*" and "*Tier 1 – Maintain and protect existing and designated waterbody uses and the level of water quality needed to protect such uses. Under Tier 1 protection, no discharges are allowed which would cause and exceedence of the beneficial use criteria.*"

NAC 445A.1236 lists water quality criteria for seven (7) metals that vary as a function of hardness. The lower the hardness, the lower the water quality criteria. The metals with hardness dependent criteria include Cadmium, Chromium (III), Copper, Lead, Nickel, Silver, and Zinc. The BWQP recommends calculating a 10th percentile receiving water hardness value to determine water quality criteria for hardness dependent metals that are sufficiently protective of aquatic life. Based on reported information gathered from the upstream station of the Truckee River at East McCarran, the calculated hardness, as established for this permit, is 34 mg/L.

Anti-backsliding
Sections 402(o) and 303(d)(4) of the CWA and federal regulations of 40 CFR 122.44(i) prohibit backsliding and require effluent limitations in a reissued permit to be as stringent as those in the previous permit with the exception of the VOCs, toxic materials,and pesticides/PCB/dioxins for which the sampling requirement was changed to a once during the permit term reporting requirement based on the past eight (8) years of reported concentrations being non-detect with the exception of alpha-Endosulfan, Arsenic, Copper, Cyanide, and Lead.

The changes were done based on reported concentration levels and current WQSs (as listed under NAC 445A.1236) per the anti-backsliding regulations found at Section 402(o), Item 2 Exception which is based on new information that was not available at the time of the prior permit's issuance. With alpha-Endosulfan,

Arsenic, Copper, Cyanide, and Lead all being based on WQSs prescribed under NAC 445A.1236.

For the mass-based limits, per the anti-backsliding regulations found at Section 402(o), the exception is based on a technical mistake made on the previous permit when the mass-based limit formula was applied (see the Mass Limits section for updated quantity limits and applicable formula).

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 Nevada Revised Statute (NRS) 445A.520 and NRS 445A.565 and is consistent with the federal antidegradation policy found at Title 40 in the 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 water is 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 uses 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.

Since the proposed renewal of this permit does not include a new or expanding point source discharge or a new or altered zone of mixing, the antidegradation review is not required.

Special Conditions

There are no special approvals or conditions associated with the proposed permit.

SA – Special Approvals / Conditions Table

There are no Special Approval / Condition items

Discharges From Future Outfalls/ Planned Facility Changes

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

Corrective Action Sites

There is one (1) active Bureau of Corrective Actions (BCA) remediation site located within a one-mile radius of the permitted facility. The remediation site, 4-000743, for the release of motor oil with soil contamination. BCA does not anticipate any impact between the remediation site and the permitted facility.

Wellhead Protection Program

This facility is not within a Drinking Water Protection Area (DWPA) or any established Wellhead Protection Area.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit two copies (one hard copy and one electronic copy) of an updated Operations and Maintenance (O&M) Manual for review and approval by the Division. The O&M Manual shall follow the Division's guidance document, WTS-2 Minimum Information Required for an Operation and Maintenance Manual and be prepared by a licensed, qualified Nevada engineer (P.E.) or other provisional expert.	9/1/2026

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly DMRs	Quarterly	7/28/2026
2	Annual Report	Annually	1/28/2027

Procedures for Public Comment:

The Notice of the Division's intent to issue a permit authorizing the facility to discharge to groundwater of the State of Nevada subject to the conditions contained within the permit, is being mailed to interested persons on our mailing list and will be posted on our website at https://ndep.nv.gov/posts. Anyone wishing to comment on the proposed permit can do so in writing until 5:00 P.M. **4/27/2026,** a period of 30 days following the date of the public notice. The comment period can be extended at the discretion of the Administrator.

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

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

Proposed Determination:

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

Prepared by: **Melissa Hanson**
Date: **3/17/2026**
Title: **Staff II Engineer**

Permit NV0021091, Swan Products
Outfall 001

Summary of Reasonable Potential Analysis

Parameter	Units	No. of Effluent Samples	Critical Effluent Concentration	Most Stringent Criterion	Criterion Basis	Does RP Exist?
Antimony, Total Recoverable	ug/L	6	13.7	146	Municipal or Domestic	No
Arsenic, Total Recoverable	ug/L	7	389.8	50	Municipal or Domestic	**Yes**
Copper, Total Recoverable	ug/L	8	566.1	4	Chronic Aquatic Life	**Yes**
Lead, Total Recoverable	ug/L	7	24.4	1	Chronic Aquatic Life	**Yes**
Selenium, Total Recoverable	ug/L	8	0.0	4	Chronic Aquatic Life	No
Silver, Total Recoverable	ug/L	8	0.0	1	Acute Aquatic Life	No
Thallium, Total Recoverable	ug/L	7	0.0	13	Municipal or Domestic	No
Zinc, Total Recoverable	ug/L	8	0.0	48	Acute Aquatic Life	No
Cyanide	ug/L	8	40.0	5	Chronic Aquatic Life	**Yes**
Toluene	ug/L	7	0.0	14300	Municipal or Domestic	No
Trichloroethylene	ug/L	7	0.0	5	Municipal or Domestic	No
Vinyl Chloride	ug/L	7	0.0	2	Municipal or Domestic	No
Pentachlorophenol	ug/L	7	0.0	2.45	Chronic Aquatic Life	No
Phenol	ug/L	7	0.0	3500	Municipal or Domestic	No
Bis(2-Ethylhexyl)Phthalate	ug/L	7	30.47	15000	Municipal or Domestic	No
alpha-Endosulfan	ug/L	7	1.59	0	Municipal or Domestic	Yes
Toxaphene	ug/L	7	0	0.0002	Chronic Aquatic Life	No