



FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: PIONEER AMERICAS, LLC - DBA OLIN CHLOR ALKALI PRODUCTS
 350 FOURTH STREET
 HENDERSON, NV - 89015

Permit Number: NS2000515

Location: PIONEER AMERICAS,LLC DBA OLIN CHLOR ALKALI PRODUCTS, CLARK
 350 FOURTH STREET, HENDERSON, NV - 89015
 LATITUDE: 36.045556, LONGITUDE: -115.009444
 TOWNSHIP: 22 S, RANGE: 62 E, SECTION: 12

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
B01	MONITORING WELL - B01	Monitoring Well		HENDERSON	NV	89015	CLARK	36.041593	-115.009931	GROUNDWATER
B02	MONITORING WELL - B02	Monitoring Well		HENDERSON	NV	89015	CLARK	36.042081	-115.009604	GROUNDWATER
B03	MONITORING WELL - B03	Monitoring Well		HENDERSON	NV	89015	CLARK	36.042308	-115.009963	GROUNDWATER
B04	MONITORING WELL - B04	Monitoring Well		HENDERSON	NV	89015	CLARK	36.043116	-115.008684	GROUNDWATER
B06	MONITORING WELL - B06	Monitoring Well		HENDERSON	NV	89015	CLARK	36.043825	-115.009215	GROUNDWATER
B07	MONITORING WELL - B07	Monitoring Well		HENDERSON	NV	89015	CLARK	36.043191	-115.010713	GROUNDWATER
B08	MONITORING WELL - B08	Monitoring Well		HENDERSON	NV	89015	CLARK	36.044788	-115.010264	GROUNDWATER
B09	MONITORING WELL - B09	Monitoring Well		HENDERSON	NV	89015	CLARK	36.044674	-115.010703	GROUNDWATER
B10	MONITORING WELL - B10	Monitoring Well		HENDERSON	NV	89015	CLARK	36.045681	-115.010409	GROUNDWATER
B11	MONITORING WELL - B11	Monitoring Well		HENDERSON	NV	89015	CLARK	36.045529	-115.010973	GROUNDWATER
B13	MONITORING WELL - B13	Monitoring Well		HENDERSON	NV	89015	CLARK	36.046391	-115.011302	GROUNDWATER
B14	MONITORING WELL - B14R	Monitoring Well		HENDERSON	NV	89015	CLARK	36.047571	-115.010958	GROUNDWATER
B16	MONITORING WELL - B16	Monitoring Well		HENDERSON	NV	89015	CLARK	36.043877	-115.016304	GROUNDWATER
B20	MONITORING WELL - B20	Monitoring Well		HENDERSON	NV	89015	CLARK	36.045719	-115.013779	GROUNDWATER
B21	MONITORING WELL - B21	Monitoring Well		HENDERSON	NV	89015	CLARK	36.041664	-115.013145	GROUNDWATER
L6A	LEAK DETECTION SUMP - POND CAPD6A	Internal Outfall		HENDERSON	NV	89015	CLARK	36.046078	-115.011437	GROUNDWATER
LD7	LEAK DETECTION SUMP - POND CAPD7	Internal Outfall		HENDERSON	NV	89015	CLARK	36.046880	-115.011021	GROUNDWATER
LD8	LEAK DETECTION SUMP - POND CAPD8	Internal Outfall		HENDERSON	NV	89015	CLARK	36.046899	-115.009854	GROUNDWATER
P05	POND CAPD5 - BRINE MUD STORAGE	External Outfall		HENDERSON	NV	89015	CLARK	36.045210	-115.010440	GROUNDWATER
P07	POND CAPD7	External Outfall		HENDERSON	NV	89015	CLARK	36.046880	-115.011021	GROUNDWATER
P08	POND CAPD8	External Outfall		HENDERSON	NV	89015	CLARK	36.046899	-115.009854	GROUNDWATER
P09	POND CAPD9 - BRINE MUD STORAGE	External Outfall		HENDERSON	NV	89015	CLARK	36.044601	-115.013127	GROUNDWATER

P6A	POND CAPD6A	External Outfall		HENDERSON	NV	89015	CLARK	36.046078	-115.011437	GROUNDWATER
SUM	SUM OF DISCHARGES TO PONDS CAPD 6A AND CAPD 8	External Outfall		HENDERSON	NV	89015	CLARK	36.040556	-115.009444	GROUNDWATER

General:

The Pioneer Americas LLC, d/b/a Olin Chlor Alkali Products plant is located in Henderson, Nevada on the western part of the Basic Management Incorporated (BMI) complex, which houses several major chemical production companies. Companies in the BMI complex currently consist of Olin, Tronox LLC (formerly Kerr-McGee Chemical Corporation), Titanium Metals Corporation of America (TIMET), ChemStar, and Saguaro Power Company.

The BMI complex was originally the Basic Magnesium facility, which was constructed by the U.S. Government primarily to produce magnesium metal for wartime use in the early 1940s. Stauffer leased and operated the chlorine-caustic soda (chlor-alkali) manufacturing plant from 1946 until 1952. In 1952, Stauffer purchased the plant and 350 surrounding acres. From 1951 to 1984, Stauffer operated the Agricultural Chemicals Division, which manufactured pesticides and organic chemical products at the Henderson site. From 1947 to 1983, Montrose Chemical Company subleased about 20 acres from the Stauffer site to operate an organic chemical plant. In 1988, the ownership of Stauffer Chlor Alkali Company was transferred to Pioneer Chlor Alkali Company, Inc. In 1999, the name of the Company was changed to Pioneer Americas, Inc., and in 2002 to Pioneer Americas LLC (Pioneer). On August 31, 2007, Olin Corporation purchased Pioneer Companies, Inc., and Pioneer Americas LLC, now d/b/a Olin Chlor Alkali Products (Olin), became part of Olin Corporation.

The facility manufactures bleach from chlorine, caustic, and water. The site is also a terminal for sodium hydroxide, hydrochloric acid, and chlorine. Process recyclable waters, spent raw salt (brine mud), and wastewater from the adjacent Saguaro Power Company are discharged to lined evaporation/containment impoundments.

Discharge Characteristics:

The Olin plant manufactures chlorine gas, caustic soda, hydrochloric acid, and bleach from sodium chloride and water. Products of the facility are shipped via pipeline, rail cars, and trucks. Process areas include the brine makeup area, chlorine area, liquefaction area, caustic plant, acid plant, and steam plant. Process recyclable waters and neutralized wastewaters are discharged to lined evaporation/containment ponds. The following table summarizes the specifications of these ponds and includes a general description of their intended use.

Receiving Water:

The receiving water is groundwater of the state. Several existing groundwater monitoring wells located upgradient and downgradient of the ponds will be used to ensure that operations of the facility do not degrade groundwater of the state. Depth to groundwater varies from 38 to 57 feet below ground surface.

Summary of Changes From Previous Permit:

At the request of the permittee and with approval from NDEP, discharges to CAPD Pond #8 will be permitted once the permittee installs a double-lined pond with leak detection.

Due to a new permit naming convention at NDEP, Bureau of Water Pollution Control, the permit ID has been changed from NEV2000515 to NS2000515. This change does not reflect a change in the type of permit being issued. NEV and NS permits are for discharges to the groundwater of the state of Nevada. These are not to be confused with "NV" permits, which are reserved for NPDES permitting.

WWTP Discharge Limitations Table for Sample Location P07 (External Outfall) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Zinc, total (as Zn)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
Cyanide, weak acid, dissociable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
Thallium, total (as Tl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
Sulfate, total (as SO ₄)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
Sodium, total (as Na)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Silver, total (as Ag)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
Selenium, total (as Se)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
Potassium, total (as K)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location P07 (External Outfall) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Nitrite plus nitrate total 1 det. (as N)	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
Nickel, total (as Ni)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
Mercury, total (as Hg)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
Manganese, total (as Mn)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
Magnesium, total (as Mg)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
Lead, total (as Pb)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
Iron, total (as Fe)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
Fluoride, total (as F)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
Copper, total (as Cu)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
Chromium, total (as Cr)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
Calcium, total (as Ca)	Daily Maximum		M&R Milligrams per Liter	Effluent Gross	002	Annual	DISCRT

WWTP Discharge Limitations Table for Sample Location P07 (External Outfall) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
			(mg/L)				
Cadmium, total (as Cd)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
Beryllium, total (as Be)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
Barium, total (as Ba)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
Arsenic, total (as As)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
Antimony, total (as Sb)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
Aluminum, total (as Al)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P07	Annual	DISCRT
Alkalinity, total (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT
Alkalinity, bicarbonate (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Annual	DISCRT

WWTP Discharge Limitations Table for Sample Location P6a (External Outfall) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Zinc, total (as Zn)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT
Thallium, total (as Tl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT
Sulfate, total (as SO ₄)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT
Sodium, total (as Na)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Silver, total (as Ag)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT
Cyanide, weak acid, dissociable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT
Selenium, total (as Se)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT
Potassium, total (as K)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location P6a (External Outfall) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Nitrite plus nitrate total 1 det. (as N)	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT
Nickel, total (as Ni)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT
Mercury, total (as Hg)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT
Manganese, total (as Mn)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT
Magnesium, total (as Mg)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT
Lead, total (as Pb)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT
Iron, total (as Fe)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT
Fluoride, total (as F)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT
Copper, total (as Cu)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT
Chromium, total (as Cr)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT
Calcium, total (as Ca)	Daily Maximum		M&R Milligrams per Liter	Effluent Gross	001	Annual	DISCRT

WWTP Discharge Limitations Table for Sample Location P6a (External Outfall) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
			(mg/L)				
Cadmium, total (as Cd)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT
Beryllium, total (as Be)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT
Barium, total (as Ba)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT
Arsenic, total (as As)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT
Aluminum, total (as Al)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT
Alkalinity, total (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Alkalinity, bicarbonate (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Antimony, total (as Sb)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	P6A	Annual	DISCRT

NDEP Profile 1

Parameter	Reference Value (mg/L)
Alkalinity, Bicarbonate (as CaCO ₃)	
Alkalinity, Total (as CaCO ₃)	
Aluminum	0.20
Antimony, dissolved (as Sb)	0.0060
Arsenic	0.01
Barium, dissolved (as Ba)	2
Beryllium, dissolved (as Be)	0.0040
Cadmium	0.0050
Calcium, dissolved (as Ca)	
Chloride	400
Chromium	0.10
Copper	1
Cyanide, weak acid, dissociable (for mining projects only)	0.20
Fluoride	4
Iron	0.60
Lead	0.0150
Magnesium, dissolved (as Mg)	150
Manganese, dissolved (as Mn)	0.10
Mercury	0.0020
Nickel	0.10
Nitrate + Nitrite, Total (as N)	10
Nitrogen, Total (as N)	10
Phosphorus, total (as P) (for non-mining projects only)	
Potassium, dissolved (as K)	
Selenium, dissolved (as Se)	0.05
Silver	0.10
Sodium, dissolved (as Na)	
Solids, total dissolved (TDS)	1000
Sulfate	500
Thallium, dissolved (as Tl)	0.0020
Zinc	5
pH, maximum (Standard Units)	8.50
pH, minimum (Standard Units)	6.50

All analysis for the dissolved fraction

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Groundwater Monitoring Wells Table for Sample Location B01 (Monitoring Well # B01) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Nitrite plus nitrate total 1 det. (as N)	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	B01	Annual	DISCRT
Nickel, total (as Ni)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	B01	Annual	DISCRT
Mercury, total (as Hg)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	B01	Annual	DISCRT
Manganese, total (as Mn)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	B01	Annual	DISCRT
Magnesium, total (as Mg)	Daily Maximum		<= 150 Milligrams per Liter (mg/L)	Effluent Gross	B01	Annual	DISCRT
Lead, total (as Pb)	Daily Maximum		<= .015 Milligrams per Liter (mg/L)	Effluent Gross	B01	Annual	DISCRT
Iron, total (as Fe)	Daily Maximum		<= .6 Milligrams per Liter (mg/L)	Effluent Gross	B01	Annual	DISCRT
Fluoride, total (as F)	Daily Maximum		<= 4 Milligrams per Liter (mg/L)	Effluent Gross	B01	Annual	DISCRT
Copper, total (as Cu)	Daily Maximum		<= 1 Milligrams per Liter (mg/L)	Effluent Gross	B01	Annual	DISCRT
Chromium, total (as Cr)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	B01	Annual	DISCRT
Chloride (as Cl)	Daily Maximum		<= 400 Milligrams per Liter (mg/L)	Effluent Gross	B01	Annual	DISCRT
			M&R				

Groundwater Monitoring Wells Table for Sample Location B01 (Monitoring Well # B01) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Calcium, total (as Ca)	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	007	Annual	DISCRT
Cadmium, total (as Cd)	Daily Maximum		<= .005 Milligrams per Liter (mg/L)	Effluent Gross	007	Annual	DISCRT
Beryllium, total (as Be)	Daily Maximum		<= .004 Milligrams per Liter (mg/L)	Effluent Gross	007	Annual	DISCRT
Barium, total (as Ba)	Daily Maximum		<= 2 Milligrams per Liter (mg/L)	Effluent Gross	007	Annual	DISCRT
Arsenic, total (as As)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	007	Annual	DISCRT
Antimony, total (as Sb)	Daily Maximum		<= .006 Milligrams per Liter (mg/L)	Effluent Gross	007	Annual	DISCRT
Aluminum, total (as Al)	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	007	Annual	DISCRT
Alkalinity, total (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	007	Annual	DISCRT
Alkalinity, bicarbonate (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	007	Annual	DISCRT
Solids, total dissolved	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	007	Annual	DISCRT
Sulfate, total (as SO ₄)	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	007	Annual	DISCRT
Chloride (as Cl)	Annual Maximum		M&R Milligrams per Liter	Groundwater	007	Annual	DISCRT

Groundwater Monitoring Wells Table for Sample Location B01 (Monitoring Well # B01) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
			(mg/L)				
pH, maximum	Annual Maximum		M&R Standard Units (SU)	Groundwater	007	Annual	DISCRT
pH, minimum	Annual Average Minimum		M&R Standard Units (SU)	Groundwater	007	Annual	DISCRT
Depth to water level ft below landsurface ^[1]	Annual Maximum	M&R Feet (ft)		Groundwater	007	Annual	VISUAL ^[2]
Zinc, total (as Zn)	Daily Maximum		<= 5 Milligrams per Liter (mg/L)	Effluent Gross	007	Annual	DISCRT
Cyanide, weak acid, dissociable	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	007	Annual	DISCRT
Solids, total dissolved	Daily Maximum		<= 1000 Milligrams per Liter (mg/L)	Effluent Gross	007	Annual	DISCRT
Thallium, total (as Tl)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	007	Annual	DISCRT
Sulfate, total (as SO ₄)	Daily Maximum		<= 500 Milligrams per Liter (mg/L)	Effluent Gross	007	Annual	DISCRT
Silver, total (as Ag)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	007	Annual	DISCRT
Selenium, total (as Se)	Daily Maximum		<= .05 Milligrams per Liter (mg/L)	Effluent Gross	007	Annual	DISCRT
Potassium, total (as K)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	007	Annual	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter	Effluent Gross	007	Annual	DISCRT

Groundwater Monitoring Wells Table for Sample Location B01 (Monitoring Well # B01) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
			(mg/L)				
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	007	Annual	DISCRT
Sodium, total (as Na)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	007	Annual	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Depth to groundwater (feet).
2. Field measurement.

Groundwater Monitoring Wells Table for Sample Location B02 (Monitoring Well # B02) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Solids, total dissolved	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	008	Annual	DISCRT
Sulfate, total (as SO ₄)	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	008	Annual	DISCRT
Chloride (as Cl)	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	008	Annual	DISCRT
pH, maximum	Annual Maximum		M&R Standard Units (SU)	Groundwater	008	Annual	DISCRT
pH, minimum	Annual Average Minimum		M&R Standard Units (SU)	Groundwater	008	Annual	DISCRT
Zinc, total (as Zn)	Daily Maximum		<= 5 Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Cyanide, weak acid, dissociable	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Solids, total dissolved	Daily Maximum		<= 1000 Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Thallium, total (as Tl)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Sulfate, total (as SO ₄)	Daily Maximum		<= 500 Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Sodium, total (as Na)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Silver, total (as Ag)	Daily Maximum		<= .1 Milligrams per Liter	Effluent Gross	008	Annual	DISCRT

Groundwater Monitoring Wells Table for Sample Location B02 (Monitoring Well # B02) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
			(mg/L)				
Selenium, total (as Se)	Daily Maximum		<= .05 Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Potassium, total (as K)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Nitrite plus nitrate total 1 det. (as N)	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Nickel, total (as Ni)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Mercury, total (as Hg)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Manganese, total (as Mn)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Magnesium, total (as Mg)	Daily Maximum		<= 150 Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Lead, total (as Pb)	Daily Maximum		<= .015 Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Iron, total (as Fe)	Daily Maximum		<= .6 Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT

Groundwater Monitoring Wells Table for Sample Location B02 (Monitoring Well # B02) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Fluoride, total (as F)	Daily Maximum		<= 4 Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Copper, total (as Cu)	Daily Maximum		<= 1 Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Chromium, total (as Cr)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Chloride (as Cl)	Daily Maximum		<= 400 Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Calcium, total (as Ca)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Cadmium, total (as Cd)	Daily Maximum		<= .005 Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Beryllium, total (as Be)	Daily Maximum		<= .004 Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Barium, total (as Ba)	Daily Maximum		<= 2 Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Arsenic, total (as As)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Antimony, total (as Sb)	Daily Maximum		<= .006 Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Aluminum, total (as Al)	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
			M&R				

Groundwater Monitoring Wells Table for Sample Location B02 (Monitoring Well # B02) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Alkalinity, total (as CaCO ₃)	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Alkalinity, bicarbonate (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	008	Annual	DISCRT
Depth to water level ft below landsurface ^[1]	Annual Maximum	M&R Feet (ft)		Groundwater	008	Annual	VISUAL ^[2]

Notes (Groundwater Monitoring Wells Table):

1. Depth to groundwater (feet).
2. Field measurement.

Groundwater Monitoring Wells Table for Sample Location B03(Monitoring Well # B03) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Solids, total dissolved	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	009	Annual	DISCRT
Sulfate, total (as SO ₄)	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	009	Annual	DISCRT
Chloride (as Cl)	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	009	Annual	DISCRT
pH, maximum	Annual Maximum		M&R Standard Units (SU)	Groundwater	009	Annual	DISCRT
pH, minimum	Annual Average Minimum		M&R Standard Units (SU)	Groundwater	009	Annual	DISCRT
Depth to water level ft below landsurface ^[1]	Annual Maximum	M&R Feet (ft)		Groundwater	009	Annual	VISUAL ^[2]
Nickel, total (as Ni)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Mercury, total (as Hg)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Manganese, total (as Mn)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Magnesium, total (as Mg)	Daily Maximum		<= 150 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Lead, total (as Pb)	Daily Maximum		<= .015 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Iron, total (as Fe)	Daily Maximum		<= .6 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT

Groundwater Monitoring Wells Table for Sample Location B03(Monitoring Well # B03) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Fluoride, total (as F)	Daily Maximum		<= 4 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Copper, total (as Cu)	Daily Maximum		<= 1 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Chromium, total (as Cr)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Chloride (as Cl)	Daily Maximum		<= 400 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Calcium, total (as Ca)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Cadmium, total (as Cd)	Daily Maximum		<= .005 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Beryllium, total (as Be)	Daily Maximum		<= .004 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Barium, total (as Ba)	Daily Maximum		<= 2 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Arsenic, total (as As)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Antimony, total (as Sb)	Daily Maximum		<= .006 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Aluminum, total (as Al)	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
			M&R				

Groundwater Monitoring Wells Table for Sample Location B03(Monitoring Well # B03) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Alkalinity, total (as CaCO ₃)	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Alkalinity, bicarbonate (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Cyanide, weak acid, dissociable	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Solids, total dissolved	Daily Maximum		<= 1000 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Thallium, total (as Tl)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Sulfate, total (as SO ₄)	Daily Maximum		<= 500 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Sodium, total (as Na)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Zinc, total (as Zn)	Daily Maximum		<= 5 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Silver, total (as Ag)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Selenium, total (as Se)	Daily Maximum		<= .05 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Potassium, total (as K)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter	Effluent Gross	009	Annual	DISCRT

Groundwater Monitoring Wells Table for Sample Location B03(Monitoring Well # B03) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
			(mg/L)				
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT
Nitrite plus nitrate total 1 det. (as N)	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	009	Annual	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Depth to groundwater, ft.
2. Field measurement.

Groundwater Monitoring Wells Table for Sample Location B04 (Monitoring Well # B04) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Solids, total dissolved	Daily Maximum		<= 1000 Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Thallium, total (as Tl)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Sulfate, total (as SO4)	Daily Maximum		<= 500 Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Sodium, total (as Na)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Selenium, total (as Se)	Daily Maximum		<= .05 Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Potassium, total (as K)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Nitrite plus nitrate total 1 det. (as N)	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Silver, total (as Ag)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Nickel, total (as Ni)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
			<= .002				

Groundwater Monitoring Wells Table for Sample Location B04 (Monitoring Well # B04) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Mercury, total (as Hg)	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Manganese, total (as Mn)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Magnesium, total (as Mg)	Daily Maximum		<= 150 Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Lead, total (as Pb)	Daily Maximum		<= .015 Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Iron, total (as Fe)	Daily Maximum		<= .6 Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Fluoride, total (as F)	Daily Maximum		<= 4 Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Copper, total (as Cu)	Daily Maximum		<= 1 Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Chromium, total (as Cr)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Chloride (as Cl)	Daily Maximum		<= 400 Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Calcium, total (as Ca)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Cadmium, total (as Cd)	Daily Maximum		<= .005 Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Beryllium, total (as Be)	Daily Maximum		<= .004 Milligrams per Liter	Effluent Gross	010	Annual	DISCRT

Groundwater Monitoring Wells Table for Sample Location B04 (Monitoring Well # B04) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
			(mg/L)				
Barium, total (as Ba)	Daily Maximum		<= 2 Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Arsenic, total (as As)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Antimony, total (as Sb)	Daily Maximum		<= .006 Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Aluminum, total (as Al)	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Alkalinity, total (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Alkalinity, bicarbonate (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Solids, total dissolved	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	010	Annual	DISCRT
Sulfate, total (as SO ₄)	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	010	Annual	DISCRT
Chloride (as Cl)	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	010	Annual	DISCRT
pH, maximum	Annual Maximum		M&R Standard Units (SU)	Groundwater	010	Annual	DISCRT
pH, minimum	Annual Average Minimum		M&R Standard Units (SU)	Groundwater	010	Annual	DISCRT

Groundwater Monitoring Wells Table for Sample Location B04 (Monitoring Well # B04) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Depth to water level ft below landsurface ^[1]	Annual Maximum	M&R Feet (ft)		Groundwater	010	Annual	VISUAL ^[2]
Zinc, total (as Zn)	Daily Maximum		<= 5 Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT
Cyanide, weak acid, dissociable	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	010	Annual	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Depth to Groundwater (feet).
2. Field measurement.

Groundwater Monitoring Wells Table for Sample Location B06 (Monitoring Well # B06) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Solids, total dissolved	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	011	Annual	DISCRT
Sulfate, total (as SO ₄)	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	011	Annual	DISCRT
Chloride (as Cl)	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	011	Annual	DISCRT
pH, maximum	Annual Maximum		M&R Standard Units (SU)	Groundwater	011	Annual	DISCRT
pH, minimum	Annual Average Minimum		M&R Standard Units (SU)	Groundwater	011	Annual	DISCRT
Depth to water level ft below landsurface ^[1]	Annual Maximum	M&R Feet (ft)		Groundwater	011	Annual	VISUAL ^[2]
Zinc, total (as Zn)	Daily Maximum		<= 5 Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Cyanide, weak acid, dissociable	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Solids, total dissolved	Daily Maximum		<= 1000 Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Thallium, total (as Tl)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Sulfate, total (as SO ₄)	Daily Maximum		<= 500 Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Sodium, total (as Na)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT

Groundwater Monitoring Wells Table for Sample Location B06 (Monitoring Well # B06) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Silver, total (as Ag)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Selenium, total (as Se)	Daily Maximum		<= .05 Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Potassium, total (as K)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Nitrite plus nitrate total 1 det. (as N)	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Nickel, total (as Ni)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Mercury, total (as Hg)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Manganese, total (as Mn)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Magnesium, total (as Mg)	Daily Maximum		<= 150 Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Lead, total (as Pb)	Daily Maximum		<= .015 Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
			<= .6				

Groundwater Monitoring Wells Table for Sample Location B06 (Monitoring Well # B06) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Iron, total (as Fe)	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Fluoride, total (as F)	Daily Maximum		<= 4 Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Copper, total (as Cu)	Daily Maximum		<= 1 Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Chromium, total (as Cr)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Chloride (as Cl)	Daily Maximum		<= 400 Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Calcium, total (as Ca)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Cadmium, total (as Cd)	Daily Maximum		<= .005 Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Beryllium, total (as Be)	Daily Maximum		<= .004 Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Barium, total (as Ba)	Daily Maximum		<= 2 Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Arsenic, total (as As)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Antimony, total (as Sb)	Daily Maximum		<= .006 Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Aluminum, total (as Al)	Daily Maximum		<= .2 Milligrams per Liter	Effluent Gross	011	Annual	DISCRT

Groundwater Monitoring Wells Table for Sample Location B06 (Monitoring Well # B06) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
			(mg/L)				
Alkalinity, total (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT
Alkalinity, bicarbonate (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	011	Annual	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Depth to Groundwater (feet).
2. Field measurement.

Groundwater Monitoring Wells Table for Sample Location B07 (Monitoring Well # B07) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Solids, total dissolved	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	012	Annual	DISCRT
Sulfate, total (as SO ₄)	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	012	Annual	DISCRT
Chloride (as Cl)	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	012	Annual	DISCRT
pH, maximum	Annual Maximum		M&R Standard Units (SU)	Groundwater	012	Annual	DISCRT
pH, minimum	Annual Average Minimum		M&R Standard Units (SU)	Groundwater	012	Annual	DISCRT
Depth to water level ft below landsurface ^[1]	Annual Maximum	M&R Feet (ft)		Groundwater	012	Annual	VISUAL ^[2]
Zinc, total (as Zn)	Daily Maximum		<= 5 Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Cyanide, weak acid, dissociable	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Solids, total dissolved	Daily Maximum		<= 1000 Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Thallium, total (as Tl)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Sulfate, total (as SO ₄)	Daily Maximum		<= 500 Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Sodium, total (as Na)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT

Groundwater Monitoring Wells Table for Sample Location B07 (Monitoring Well # B07) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Silver, total (as Ag)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Selenium, total (as Se)	Daily Maximum		<= .05 Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Potassium, total (as K)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Nitrite plus nitrate total 1 det. (as N)	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Nickel, total (as Ni)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Manganese, total (as Mn)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Magnesium, total (as Mg)	Daily Maximum		<= 150 Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Lead, total (as Pb)	Daily Maximum		<= .015 Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Iron, total (as Fe)	Daily Maximum		<= .6 Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
			<= 4				

Groundwater Monitoring Wells Table for Sample Location B07 (Monitoring Well # B07) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Fluoride, total (as F)	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Mercury, total (as Hg)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Copper, total (as Cu)	Daily Maximum		<= 1 Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Chromium, total (as Cr)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Chloride (as Cl)	Daily Maximum		<= 400 Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Calcium, total (as Ca)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Cadmium, total (as Cd)	Daily Maximum		<= .005 Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Beryllium, total (as Be)	Daily Maximum		<= .004 Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Barium, total (as Ba)	Daily Maximum		<= 2 Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Arsenic, total (as As)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Antimony, total (as Sb)	Daily Maximum		<= .006 Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Aluminum, total (as Al)	Daily Maximum		<= .2 Milligrams per Liter	Effluent Gross	012	Annual	DISCRT

Groundwater Monitoring Wells Table for Sample Location B07 (Monitoring Well # B07) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration (mg/L)	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Alkalinity, total (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT
Alkalinity, bicarbonate (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	012	Annual	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Depth to Groundwater (feet).
2. Field measurement.

Groundwater Monitoring Wells Table for Sample Location B08 (Monitoring Well # B08) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
pH, maximum	Annual Maximum		M&R Standard Units (SU)	Groundwater	013	Annual	DISCRT
Chloride (as Cl)	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	013	Annual	DISCRT
pH, minimum	Annual Average Minimum		M&R Standard Units (SU)	Groundwater	013	Annual	DISCRT
Depth to water level ft below landsurface ^[1]	Annual Maximum	M&R Feet (ft)		Groundwater	013	Annual	VISUAL ^[2]
Zinc, total (as Zn)	Daily Maximum		<= 5 Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Cyanide, weak acid, dissociable	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Solids, total dissolved	Daily Maximum		<= 1000 Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Thallium, total (as Tl)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Sulfate, total (as SO ₄)	Daily Maximum		<= 500 Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Sodium, total (as Na)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Silver, total (as Ag)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Selenium, total (as Se)	Daily Maximum		<= .05 Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT

Potassium, total (as K)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Nitrite plus nitrate total 1 det. (as N)	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Nickel, total (as Ni)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Mercury, total (as Hg)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Manganese, total (as Mn)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Magnesium, total (as Mg)	Daily Maximum		<= 150 Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Lead, total (as Pb)	Daily Maximum		<= .015 Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Iron, total (as Fe)	Daily Maximum		<= .6 Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Fluoride, total (as F)	Daily Maximum		<= 4 Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
			<= 1				

Copper, total (as Cu)	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Chromium, total (as Cr)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Chloride (as Cl)	Daily Maximum		<= 400 Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Calcium, total (as Ca)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Cadmium, total (as Cd)	Daily Maximum		<= .005 Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Beryllium, total (as Be)	Daily Maximum		<= .004 Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Barium, total (as Ba)	Daily Maximum		<= 2 Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Arsenic, total (as As)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Antimony, total (as Sb)	Daily Maximum		<= .006 Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Aluminum, total (as Al)	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Alkalinity, total (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT

Alkalinity, bicarbonate (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	013	Annual	DISCRT
Solids, total dissolved	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	013	Annual	DISCRT
Sulfate, total (as SO ₄)	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	013	Annual	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Depth to Groundwater (feet).
2. Field measurement.

Groundwater Monitoring Wells Table for Sample Location B09 (Monitoring Well # B09) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Zinc, total (as Zn)	Daily Maximum		<= 5 Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Cyanide, weak acid, dissociable	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Solids, total dissolved	Daily Maximum		<= 1000 Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Thallium, total (as Tl)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Sulfate, total (as SO ₄)	Daily Maximum		<= 500 Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Sodium, total (as Na)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Silver, total (as Ag)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Selenium, total (as Se)	Daily Maximum		<= .05 Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Potassium, total (as K)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
			<= 10				

Nitrite plus nitrate total 1 det. (as N)	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Nickel, total (as Ni)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Mercury, total (as Hg)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Manganese, total (as Mn)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Magnesium, total (as Mg)	Daily Maximum		<= 150 Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Lead, total (as Pb)	Daily Maximum		<= .015 Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Iron, total (as Fe)	Daily Maximum		<= .6 Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Fluoride, total (as F)	Daily Maximum		<= 4 Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Copper, total (as Cu)	Daily Maximum		<= 1 Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Chromium, total (as Cr)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Chloride (as Cl)	Daily Maximum		<= 400 Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Calcium, total (as Ca)	Daily Maximum		M&R Milligrams per Liter	Effluent Gross	014	Annual	DISCRT

			(mg/L)				
Cadmium, total (as Cd)	Daily Maximum		<= .005 Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Beryllium, total (as Be)	Daily Maximum		<= .004 Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Barium, total (as Ba)	Daily Maximum		<= 2 Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Arsenic, total (as As)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Antimony, total (as Sb)	Daily Maximum		<= .006 Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Aluminum, total (as Al)	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Alkalinity, total (as CaCO3)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Alkalinity, bicarbonate (as CaCO3)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Solids, total dissolved	Annual Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Sulfate, total (as SO4)	Annual Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT
Chloride (as Cl)	Annual Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	014	Annual	DISCRT

pH, maximum	Annual Maximum		M&R Standard Units (SU)	Effluent Gross	014	Annual	DISCRT
pH, minimum	Annual Average Minimum		M&R Standard Units (SU)	Effluent Gross	014	Annual	DISCRT
Depth to water level ft below landsurface ^[1]	Annual Maximum	M&R Feet (ft)		Effluent Gross	014	Annual	VISUAL ^[2]

Notes (Groundwater Monitoring Wells Table):

1. Depth to Groundwater (feet).
2. Field measurement.

Groundwater Monitoring Wells Table for Sample Location B10 (Monitoring Well # B10) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Zinc, total (as Zn)	Daily Maximum		<= 5 Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Cyanide, weak acid, dissociable	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Solids, total dissolved	Daily Maximum		<= 1000 Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Thallium, total (as Tl)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Sulfate, total (as SO ₄)	Daily Maximum		<= 500 Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Sodium, total (as Na)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Silver, total (as Ag)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Selenium, total (as Se)	Daily Maximum		<= .05 Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Potassium, total (as K)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
			<= 10				

Nitrite plus nitrate total 1 det. (as N)	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Nickel, total (as Ni)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Mercury, total (as Hg)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Manganese, total (as Mn)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Magnesium, total (as Mg)	Daily Maximum		<= 150 Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Lead, total (as Pb)	Daily Maximum		<= .015 Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Iron, total (as Fe)	Daily Maximum		<= .6 Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Fluoride, total (as F)	Daily Maximum		<= 4 Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Copper, total (as Cu)	Daily Maximum		<= 1 Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Chromium, total (as Cr)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Chloride (as Cl)	Daily Maximum		<= 400 Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Calcium, total (as Ca)	Daily Maximum		M&R Milligrams per Liter	Effluent Gross	015	Annual	DISCRT

			(mg/L)				
Cadmium, total (as Cd)	Daily Maximum		<= .005 Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Beryllium, total (as Be)	Daily Maximum		<= .004 Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Barium, total (as Ba)	Daily Maximum		<= 2 Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Arsenic, total (as As)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Antimony, total (as Sb)	Daily Maximum		<= .006 Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Aluminum, total (as Al)	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Alkalinity, total (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Alkalinity, bicarbonate (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	015	Annual	DISCRT
Solids, total dissolved	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	015	Annual	DISCRT
Sulfate, total (as SO ₄)	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	015	Annual	DISCRT
Chloride (as Cl)	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	015	Annual	DISCRT

pH, maximum	Annual Maximum		M&R Standard Units (SU)	Groundwater	015	Annual	DISCRT
pH, minimum	Annual Average Minimum		M&R Standard Units (SU)	Groundwater	015	Annual	DISCRT
Depth to water level ft below landsurface	Annual Maximum	M&R Feet (ft)		Groundwater	015	Annual	VISUAL

Groundwater Monitoring Wells Table for Sample Location B11 (Monitoring Well #B11) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Zinc, total (as Zn)	Daily Maximum		<= 5 Milligrams per Liter (mg/L)	Effluent Gross	B11	Annual	DISCRT
Cyanide, weak acid, dissociable	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	B11	Annual	DISCRT
Solids, total dissolved	Daily Maximum		<= 1000 Milligrams per Liter (mg/L)	Effluent Gross	B11	Annual	DISCRT
Thallium, total (as Tl)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Sulfate, total (as SO ₄)	Daily Maximum		<= 500 Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Sodium, total (as Na)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Silver, total (as Ag)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Selenium, total (as Se)	Daily Maximum		<= .05 Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Potassium, total (as K)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
			<= 10				

Nitrite plus nitrate total 1 det. (as N)	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Nickel, total (as Ni)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Mercury, total (as Hg)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Manganese, total (as Mn)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Magnesium, total (as Mg)	Daily Maximum		<= 150 Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Lead, total (as Pb)	Daily Maximum		<= .015 Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Iron, total (as Fe)	Daily Maximum		<= .6 Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Fluoride, total (as F)	Daily Maximum		<= 4 Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Copper, total (as Cu)	Daily Maximum		<= 1 Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Chromium, total (as Cr)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Chloride (as Cl)	Daily Maximum		<= 400 Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Calcium, total (as Ca)	Daily Maximum		M&R Milligrams per Liter	Effluent Gross	016	Annual	DISCRT

			(mg/L)				
Cadmium, total (as Cd)	Daily Maximum		<= .005 Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Beryllium, total (as Be)	Daily Maximum		<= .004 Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Barium, total (as Ba)	Daily Maximum		<= 2 Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Arsenic, total (as As)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Antimony, total (as Sb)	Daily Maximum		<= .006 Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Aluminum, total (as Al)	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Alkalinity, total (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT
Alkalinity, bicarbonate (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	016	Annual	DISCRT

Groundwater Monitoring Wells Table for Sample Location B13 (Monitoring Well #B13) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Zinc, total (as Zn)	Daily Maximum		<= 5 Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Cyanide, weak acid, dissociable	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Solids, total dissolved	Daily Maximum		<= 1000 Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Thallium, total (as Tl)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Sulfate, total (as SO ₄)	Daily Maximum		<= 500 Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Sodium, total (as Na)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Silver, total (as Ag)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Selenium, total (as Se)	Daily Maximum		<= .05 Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Potassium, total (as K)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
			<= 10				

Nitrite plus nitrate total 1 det. (as N)	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Nickel, total (as Ni)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Mercury, total (as Hg)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Manganese, total (as Mn)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Magnesium, total (as Mg)	Daily Maximum		<= 150 Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Iron, total (as Fe)	Daily Maximum		<= .6 Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Fluoride, total (as F)	Daily Maximum		<= 4 Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Copper, total (as Cu)	Daily Maximum		<= 1 Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Chromium, total (as Cr)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Chloride (as Cl)	Daily Maximum		<= 400 Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Lead, total (as Pb)	Daily Maximum		<= .015 Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Calcium, total (as Ca)	Daily Maximum		M&R Milligrams per Liter	Effluent Gross	017	Annual	DISCRT

			(mg/L)				
Cadmium, total (as Cd)	Daily Maximum		<= .005 Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Beryllium, total (as Be)	Daily Maximum		<= .004 Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Barium, total (as Ba)	Daily Maximum		<= 2 Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Arsenic, total (as As)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Antimony, total (as Sb)	Daily Maximum		<= .006 Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Aluminum, total (as Al)	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Alkalinity, total (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT
Alkalinity, bicarbonate (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	017	Annual	DISCRT

Groundwater Monitoring Wells Table for Sample Location B14 (Monitoring Well # B14r) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Mercury, total (as Hg)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Manganese, total (as Mn)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Magnesium, total (as Mg)	Daily Maximum		<= 150 Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Lead, total (as Pb)	Daily Maximum		<= .015 Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Iron, total (as Fe)	Daily Maximum		<= .6 Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Fluoride, total (as F)	Daily Maximum		<= 4 Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Copper, total (as Cu)	Daily Maximum		<= 1 Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Chromium, total (as Cr)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Chloride (as Cl)	Daily Maximum		<= 400 Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Calcium, total (as Ca)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Cadmium, total (as Cd)	Daily Maximum		<= .005 Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
			<= .004				

Beryllium, total (as Be)	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Barium, total (as Ba)	Daily Maximum		<= 2 Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Arsenic, total (as As)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Antimony, total (as Sb)	Daily Maximum		<= .006 Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Aluminum, total (as Al)	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Alkalinity, total (as CaCO3)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Alkalinity, bicarbonate (as CaCO3)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Solids, total dissolved	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	021	Annual	DISCRT
Sulfate, total (as SO4)	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	021	Annual	DISCRT
Chloride (as Cl)	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	021	Annual	DISCRT
pH, minimum	Annual Average Minimum		M&R Standard Units (SU)	Groundwater	021	Annual	DISCRT
Depth to water level ft below landsurface ^[1]	Annual Maximum	M&R Feet (ft)		Groundwater	021	Annual	VISUAL ^[2]

pH, maximum	Annual Maximum		M&R Standard Units (SU)	Groundwater	021	Annual	DISCRT
Zinc, total (as Zn)	Daily Maximum		<= 5 Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Cyanide, weak acid, dissociable	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Solids, total dissolved	Daily Maximum		<= 1000 Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Thallium, total (as Tl)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Sulfate, total (as SO4)	Daily Maximum		<= 500 Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Sodium, total (as Na)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Silver, total (as Ag)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Selenium, total (as Se)	Daily Maximum		<= .05 Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Potassium, total (as K)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter	Effluent Gross	021	Annual	DISCRT

			(mg/L)				
Nitrite plus nitrate total 1 det. (as N)	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT
Nickel, total (as Ni)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	021	Annual	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Depth to Groundwater (feet).
2. Field measurement.

Groundwater Monitoring Wells Table for Sample Location B16 (Monitoring Well # B16) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Zinc, total (as Zn)	Daily Maximum		<= 5 Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Cyanide, weak acid, dissociable	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Solids, total dissolved	Daily Maximum		<= 1000 Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Thallium, total (as Tl)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Sulfate, total (as SO4)	Daily Maximum		<= 500 Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Sodium, total (as Na)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Silver, total (as Ag)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Selenium, total (as Se)	Daily Maximum		<= .05 Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Potassium, total (as K)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
			<= 10				

Nitrite plus nitrate total 1 det. (as N)	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Nickel, total (as Ni)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Mercury, total (as Hg)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Manganese, total (as Mn)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Magnesium, total (as Mg)	Daily Maximum		<= 150 Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Lead, total (as Pb)	Daily Maximum		<= .015 Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Iron, total (as Fe)	Daily Maximum		<= .6 Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Fluoride, total (as F)	Daily Maximum		<= 4 Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Copper, total (as Cu)	Daily Maximum		<= 1 Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Chromium, total (as Cr)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Chloride (as Cl)	Daily Maximum		<= 400 Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Calcium, total (as Ca)	Daily Maximum		M&R Milligrams per Liter	Effluent Gross	018	Annual	DISCRT

			(mg/L)				
Cadmium, total (as Cd)	Daily Maximum		<= .005 Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Beryllium, total (as Be)	Daily Maximum		<= .004 Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Barium, total (as Ba)	Daily Maximum		<= 2 Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Arsenic, total (as As)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Antimony, total (as Sb)	Daily Maximum		<= .006 Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Aluminum, total (as Al)	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Alkalinity, total (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Alkalinity, bicarbonate (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	018	Annual	DISCRT
Solids, total dissolved	Annual Maximum		M&R Micrograms per Kilogram (mg/kg)	Groundwater	018	Annual	DISCRT
Sulfate, total (as SO ₄)	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	018	Annual	DISCRT
Chloride (as Cl)	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	018	Annual	DISCRT

pH, maximum	Annual Maximum		M&R Standard Units (SU)	Groundwater	018	Annual	DISCRT
pH, minimum	Annual Average Minimum		M&R Standard Units (SU)	Groundwater	018	Annual	DISCRT
Depth to water level ft below landsurface ^[1]	Annual Maximum	M&R Feet (ft)		Groundwater	018	Annual	VISUAL ^[2]

Notes (Groundwater Monitoring Wells Table):

1. Depth to groundwater (feet).
2. Field measurement.

Groundwater Monitoring Wells Table for Sample Location B20 (Monitoring Well # B20) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Zinc, total (as Zn)	Daily Maximum		<= 5 Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Cyanide, weak acid, dissociable	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Solids, total dissolved	Daily Maximum		<= 1000 Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Thallium, total (as Tl)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Sulfate, total (as SO ₄)	Daily Maximum		<= 500 Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Sodium, total (as Na)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Silver, total (as Ag)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Selenium, total (as Se)	Daily Maximum		<= .05 Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Potassium, total (as K)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
			<= 10				

Nitrite plus nitrate total 1 det. (as N)	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Nickel, total (as Ni)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Mercury, total (as Hg)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Manganese, total (as Mn)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Magnesium, total (as Mg)	Daily Maximum		<= 150 Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Lead, total (as Pb)	Daily Maximum		<= .015 Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Iron, total (as Fe)	Daily Maximum		<= .6 Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Fluoride, total (as F)	Daily Maximum		<= 4 Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Copper, total (as Cu)	Daily Maximum		<= 1 Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Chromium, total (as Cr)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Chloride (as Cl)	Daily Maximum		<= 400 Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Calcium, total (as Ca)	Daily Maximum		M&R Milligrams per Liter	Effluent Gross	019	Annual	DISCRT

			(mg/L)				
Cadmium, total (as Cd)	Daily Maximum		<= .005 Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Beryllium, total (as Be)	Daily Maximum		<= .004 Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Arsenic, total (as As)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Antimony, total (as Sb)	Daily Maximum		<= .006 Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Aluminum, total (as Al)	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Alkalinity, total (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Alkalinity, bicarbonate (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT
Barium, total (as Ba)	Daily Maximum		<= 2 Milligrams per Liter (mg/L)	Effluent Gross	019	Annual	DISCRT

Groundwater Monitoring Wells Table for Sample Location B21 (Monitoring Well # B21) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Zinc, total (as Zn)	Daily Maximum		<= 5 Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Cyanide, weak acid, dissociable	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Solids, total dissolved	Daily Maximum		<= 1000 Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Thallium, total (as Tl)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Sulfate, total (as SO ₄)	Daily Maximum		<= 500 Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Sodium, total (as Na)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Silver, total (as Ag)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Selenium, total (as Se)	Daily Maximum		<= .05 Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Potassium, total (as K)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
			<= 10				

Nitrite plus nitrate total 1 det. (as N)	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Nickel, total (as Ni)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Mercury, total (as Hg)	Daily Maximum		<= .002 Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Manganese, total (as Mn)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Magnesium, total (as Mg)	Daily Maximum		<= 150 Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Lead, total (as Pb)	Daily Maximum		<= .015 Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Iron, total (as Fe)	Daily Maximum		<= .6 Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Fluoride, total (as F)	Daily Maximum		<= 4 Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Copper, total (as Cu)	Daily Maximum		<= 1 Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Chromium, total (as Cr)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Chloride (as Cl)	Daily Maximum		<= 400 Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Calcium, total (as Ca)	Daily Maximum		M&R Milligrams per Liter	Effluent Gross	020	Annual	DISCRT

			(mg/L)				
Cadmium, total (as Cd)	Daily Maximum		<= .005 Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Beryllium, total (as Be)	Daily Maximum		<= .004 Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Barium, total (as Ba)	Daily Maximum		<= 2 Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Arsenic, total (as As)	Daily Maximum		<= .1 Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Antimony, total (as Sb)	Daily Maximum		<= .006 Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Aluminum, total (as Al)	Daily Maximum		<= .2 Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Alkalinity, total (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT
Alkalinity, bicarbonate (as CaCO ₃)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	020	Annual	DISCRT

Zero Discharge Limitations Table for Sample Location L6a (Internal Outfall) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Liner Leakage Rate ^[1]	Monthly Average	<= 250 Gallons per Acre per Day (gal/acre/d)		See Footnote ^[2]	L6A	Weekly	DISCRT

Notes (Zero Discharge Limitations Table):

- 1. Fluid evacuated from leak detection sump.
- 2. Leak detection sump.

Zero Discharge Limitations Table for Sample Location Ld7 (Internal Outfall) To Be Reported Monthly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Liner Leakage Rate ^[1]	Monthly Average	<= 250 Gallons per Acre per Day (gal/acre/d)		See Footnote ^[2]	LD7	Weekly	DISCRT

Notes (Zero Discharge Limitations Table):

- 1. Fluid evacuated from leak detection sump.
- 2. Leak detection sump

Zero Discharge Limitations Table for Sample Location P07 (External Outfall) To Be Reported Quarterly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Solids, total dissolved	Quarterly Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Quarterly	DISCRT
Sulfate, total (as SO ₄)	Quarterly Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Quarterly	DISCRT
Chloride (as Cl)	Quarterly Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Quarterly	DISCRT
pH, maximum	Quarterly Maximum		M&R Standard Units (SU)	Effluent Gross	002	Quarterly	DISCRT
pH, minimum	Quarterly Minimum		M&R Standard Units (SU)	Effluent Gross	002	Quarterly	DISCRT
Flow rate	Quarterly Average	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	002	Quarterly	CALCTD

Zero Discharge Limitations Table for Sample Location P6a (External Outfall) To Be Reported Quarterly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Solids, total dissolved	Quarterly Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	DISCRT
Sulfate, total (as SO ₄)	Quarterly Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	DISCRT
Chloride (as Cl)	Quarterly Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	DISCRT
pH, maximum	Quarterly Maximum		M&R Standard Units (SU)	Effluent Gross	001	Quarterly	DISCRT
pH, minimum	Quarterly Minimum		M&R Standard Units (SU)	Effluent Gross	001	Quarterly	DISCRT
Flow rate	Daily Maximum	<= 0.864 Million Gallons per Day (Mgal/d)		Effluent Gross	P6A	Quarterly	METER

Ponds / Rapid Infiltration Basins for Sample Location Ld8 (Internal Outfall) To Be Reported Monthly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Liner Leakage Rate ^[1]	Monthly Average	<= 250 Gallons per Acre per Day (gal/acre/d)		See Footnote ^[2]	LD8	Weekly	DISCRT

Notes (Ponds / Rapid Infiltration Basins):

1. Fluid evacuated from leak detection sump.
2. Leak detection sump.

Ponds / Rapid Infiltration Basins for Sample Location P05 (External Outfall) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Sludge weight, wet ^[1]	Total Amount Applied	M&R Tons (ton)		Sludge	P05	Once Per Batch	CALCTD

Notes (Ponds / Rapid Infiltration Basins):

1. Monitor and report the total weight of sludge discharged into the pond.

Ponds / Rapid Infiltration Basins for Sample Location P08 (External Outfall) To Be Reported Quarterly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Solids, total dissolved	Quarterly Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	P08	Quarterly	DISCRT
Sulfate, total (as SO ₄)	Quarterly Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	P08	Quarterly	DISCRT
Chloride (as Cl)	Quarterly Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	P08	Quarterly	DISCRT
pH, maximum	Quarterly Maximum		M&R Standard Units (SU)	Effluent Gross	P08	Quarterly	DISCRT
pH, minimum	Quarterly Minimum		M&R Standard Units (SU)	Effluent Gross	P08	Quarterly	DISCRT
Flow rate	Quarterly Average	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	P08	Quarterly	CALCTD

Ponds / Rapid Infiltration Basins for Sample Location P09 (External Outfall) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Sludge weight, wet ^[1]	Total Amount Applied	M&R Tons (ton)		Sludge	P09	Once Per Batch	CALCTD

Notes (Ponds / Rapid Infiltration Basins):

1. Monitor and report the total weight of sludge discharged into the pond.

Ponds / Rapid Infiltration Basins for Sample Location Sum (External Outfall) To Be Reported Quarterly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Daily Maximum	<= 0.864 Million Gallons per Day (Mgal/d)		Effluent Gross	SUM	Continuous	CALCTD

Rationale for Permit Requirements:

Effluent monitoring is required to assess the quantity and quality of the process waste water discharged to the double-lined ponds for disposal by evaporation. Groundwater monitoring is required as a precautionary measure to ensure that operations of the facility do not degrade groundwater of the State.

Special Conditions:

SA – Special Approvals / Conditions Table

Item #	Description
1	Section B.TF does not apply to this facility, as it is not a wastewater treatment facility (WWTF).
2	The Permittee shall maintain a freeboard depth of 2 feet for all ponds.
3	B.PB.8.1 does not apply to this facility, as this facility is not a WWTF.

Reasonable Potential Analysis and Antidegradation Review:

Discharges in accordance with the permit are not anticipated to degrade waters of the state.

Flow:

CAPD 6A: The flow to CAPD 6A will be monitored and reported.

CAPD 7: The flow of stormwater and excess process fluid discharged to pond CAPD 7 is variable, and will therefore be monitored and reported only.

CAPD 8: The flow to CAPD 8 will be monitored and reported.

Sum: The permitted 30-day Average flow of discharge to pond CAPD 6A and CAPD 8 is 864,000 gallons per day (gpd).

Corrective Action Sites:

The facility is located within the Basic Management Incorporated remediation area (BMI Complex). NDEP's Bureau of Industrial Site Cleanup (BISC) is responsible for the oversight of the long term remediation of the BMI Complex.

Wellhead Protection Program:

The facility is not within a Drinking Water Protection Area or a Wellhead Protection Area.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit an Operations and Maintenance Manual (O&M) to the Division for review. The O&M Manual shall contain both Evaporation Pond Management Plan and Groundwater Monitoring Plan. A site map shall also be included showing the physical locations of all groundwater monitoring wells.	2/1/2017
2	All Discharge Monitoring Reports (DMRs) shall be submitted electronically through the Nevada NetDMR website: https://netdmr.ndep.nv.gov/netdmr/public/home.htm .	1/1/2018

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly DMRs	Quarterly	1/28/2017
2	Annual Report	Annually	1/28/2017

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 sent to the **Las Vegas Review Journal** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing until 5:00 P.M. **11/30/2016**, a period of 30 days following the date of the public notice. The comment period can be extended at the discretion of the Administrator.

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

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

Proposed Determination:

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

Prepared by: **Robert E. Wimer, Jr.**

Date: **10/27/2016**

Title: **P.E.**