

PART 22 EFFLUENT AND GROUNDWATER CHARACTERIZATION REQUIREMENTS FOR WASTEWATER

EXAMPLE ENVIRONMENTAL REPORTING LIMITS

This document is provided for example purposes only. Wastewater characterization requirements are site-specific and should be reviewed with groundwater discharge program staff prior to being completed.

Non-Metals	Chemical Abstract Service Number	Water Reporting Limits (ug/L)*	EPA Analytical Method or SW-846	R 323.2222 Discharge Standard (ug/L)
Alkalinity, Bicarbonate		10,000	2320B	
Ammonia	7664417	10	350.1	5,000 (TIN)**
BOD 5-Day Total		2,000	5210B	
Chloride	168870006	1,000	325.2/4500CL-E	250,000
Cyanide, Available	57125	5	ASTM7511-09/D6888-09	100
Dissolved Oxygen		100	4500-0	
Hardness (Ca ₂ CO ₃)		1,000	2340B	
Nitrate	14797558	10	353.2	5,000 (TIN)**
Nitrite	14797650	10	353.2	500 (TIN)**
pH		0.1 Standard Units (SU)	4500-H /9045/150.1	6.5 - 9.0 SU
Phosphorus, Total	7723140	10	365.4/365.1	1,000
Residue (Total Dissolved Solids)		20,000	2540C	
Sulfate	14808798	2,000	375.2	250,000
Turbidity		1.0 NTU	180.1	

*ug/L = micrograms/Liter

**TIN = Total Inorganic Nitrogen

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Metals	Chemical Abstract Service Number	Water Reporting Limits (ug/L)*	EPA Analytical Method or SW-846	R 323.2222 Discharge Standard (ug/L)
Aluminum	7429905	5	200.8/6020A	50
Antimony	7440360	1	200.8/6020A	3
Arsenic	7440382	1	200.8/6020A	5
Barium	7740393	5	200.8/6020A	1,000
Beryllium	7440417	1	200.8/6020A	2
Boron	7740428	20	200.7/6010C	250
Cadmium	7740439	0.2	200.8/6020A	2.5
Calcium	8047594	1,000	200.7/6010C	
Chromium	7740473	1	200.8/6020A	50
Cobalt	7740484	5	200.8/6020A	20
Copper	7740508	1	200.8/6020A	500
Iron	7439896	20	200.7/6010C	300
Lead	7439921	1	200.8/6020A	2
Lithium	7439932	10	200.7/6010C	85
Magnesium	7439954	500	200.7/6010C	200,000
Manganese	7439965	5	200.8/6020A	50
Mercury	7439976	0.2	245.1/7470A, 7471A	1
Molybdenum	7439987	5	200.8/6020A	36.5
Nickel	7440020	2	200.8/6020A	50
Potassium	7440097	200	200.7/6010C	
Selenium	7782492	1	200.8/6020A	25
Silver	7440224	0.2	200.8/6020A	17
Sodium	17341252	1,000	200.7/6010C	230,000
Strontium	7740246	5	200.8/6020A	2,300
Thallium	7740280	2	200.8/6020A	1
Titanium	7440326	5	200.8/6020A	
Vanadium	7740622	2	200.8/6020A	2.2
Zinc	7740666	5	200.8/6020A	1,200

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