

WWTP Discharge Limits

Appendix D

A. (1.) EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning on the effective date of this permit and lasting until expiration or flow exceeding 0.05 MGD, the Permittee is authorized to discharge from outfall 001. Such discharges shall be limited and monitored by the Permittee as specified below:

EFFLUENT CHARACTERISTICS	Limits		Monitoring Requirements		
	Monthly Average	Daily Maximum	Measurement Frequency	Sample Type	Sample Location ¹
Flow	0.050 MGD		Continuous	Recording	I or E
BOD, 5-day (20°C)	113.7 lbs/day	225.2 lbs/day	Weekly	Composite	E
COD	1344.2 lbs/day	2688.4 lbs/day	Weekly	Composite	E
Total Suspended Solids	291.7 lbs/day	581.3 lbs/day	Weekly	Composite	E
Fecal Coliform (geometric mean)	200/100 ml	400/100 ml	Weekly	Grab	E
Total Residual Chlorine ²		28 µg/L	3/Week	Grab	E
Temperature			3/Week	Grab	E
Total Nitrogen ³			Quarterly	Composite	E
Total Phosphorus			Quarterly	Composite	E
pH ⁴			3/Week	Grab	E
Sulfide	3.6 lbs/day	7.2 lbs/day	Semi-annually	Grab	E
Phenols	1.8 lbs/day	3.6 lbs/day	Semi-annually	Grab	E
Total Chromium		0.43 lbs/day	Semi-annually	Composite	E
Total Copper			Semi-annually	Composite	E
Total Zinc			Semi-annually	Composite	E
Whole Effluent Toxicity ⁵			Quarterly	Composite	E

Notes:

1. Sample Locations: E- Effluent, I- Inluent
2. The facility shall report all effluent TRC values reported by a NC certified laboratory including field certified. However, effluent values below 50 ug/l will be treated as zero for compliance purposes.
3. For a given wastewater sample, TN = TKN + NO₃-N + NO₂-N, where TN is total nitrogen, TKN is total Kjeldahl Nitrogen, and NO₃-N and NO₂-N are nitrate and nitrite nitrogen, respectively.
4. The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units.
5. Whole effluent toxicity (*Fathead Minnow*) P/F at 0.12 %; January, April, July and October [see A. (3.)].

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Post-it® Fax Note	7671	Date	8-13-10	# of pages	2
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Permit NC0004405

A. (2.) EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning when the flow is greater than 0.05 MGD and lasting until expiration, the Permittee is authorized to discharge from outfall 001. Such discharges shall be limited and monitored by the Permittee as specified below:

EFFLUENT CHARACTERISTICS	Limits		Monitoring Requirements		
	Monthly Average	Daily Maximum	Measurement Frequency	Sample Type	Sample Location ¹
Flow	1.75 MGD		Continuous	Recording	I or E
BOD, 5-day (20°C)	113.7 lbs/day	225.2 lbs/day	3/Weekly	Composite	E
COD	1344.2 lbs/day	2688.4 lbs/day	3/Weekly	Composite	E
Total Suspended Solids	291.7 lbs/day	581.3 lbs/day	3/Weekly	Composite	E
Fecal Coliform (geometric mean)	200/100 ml	400/100 ml	3/Weekly	Grab	E
Total Residual Chlorine ²		28 µg/L	3/Week	Grab	E
Temperature			3/Week	Grab	E
Total Nitrogen ³			Quarterly	Composite	E
Total Phosphorus			Quarterly	Composite	E
pH ⁴			3/Week	Grab	E
Sulfide	3.6 lbs/day	7.2 lbs/day	Weekly	Grab	E
Phenols	1.8 lbs/day	3.6 lbs/day	Weekly	Grab	E
Total Chromium		0.43 lbs/day	Weekly	Composite	E
Total Copper			2/Month	Composite	E
Total Zinc			2/Month	Composite	E
Whole Effluent Toxicity ⁵			Quarterly	Composite	E

Notes:

1. Sample Locations: E- Effluent, I- Influent
2. The facility shall report all effluent TRC values reported by a NC certified laboratory including field certified. However, effluent values below 50 ug/l will be treated as zero for compliance purposes.
3. For a given wastewater sample, TN = TKN + NO₃-N + NO₂-N, where TN is total nitrogen, TKN is total Kjeldahl Nitrogen, and NO₃-N and NO₂-N are nitrate and nitrite nitrogen, respectively.
4. The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units.
5. Whole effluent toxicity (*Ceriodaphnia*) P/F at 4.2 %; January, April, July and October [see A. (4.)].