ATTACHMENT B

Technology-Based Limitations

The following technology-based limitations apply, subject to water quality analysis and BPJ where applicable:

Pollutant	Limit (mg/l)	SBC	Federal	State Regulation
			Regulation	
CBOD₅	25	Average Monthly	133.102(a)(4)(i)	92a.47(a)(1)
CBOD5	38	Average Weekly	133.102(a)(4)(ii)	92a.47(a)(2)
	30	Average Monthly	133.102(b)(1)	92a.47(a)(1)
Total Suspended Solids	45	Average Weekly	133.102(b)(2)	92a.47(a)(2)
pН	6.0 – 9.0 S.U.	IMin – IMax	133.102(c)	95.2(1)
Fecal Coliform				
(5/1 – 9/30)	200 / 100 ml	Geo Mean	-	92a.47(a)(4)
Fecal Coliform				
(5/1 – 9/30)	1,000 / 100 ml	IMAX	-	92a.47(a)(4)
Fecal Coliform				
(10/1 – 4/30)	2,000 / 100 ml	Geo Mean	-	92a.47(a)(5)
Fecal Coliform				
(10/1 – 4/30)	10,000 / 100 ml	IMAX	-	92a.47(a)(5)
UV	Report	Daily Minimum	-	SOP
Dissolved Oxygen	4.0	Instant. Minimum	-	SOP

Total Nitrogen and Total Phosphorus

Nutrient monitoring is required for all sewage wastewater treatment facilities with design flows greater than 2,000 gpd. Discharges greater than 2,000 GPD but less than 1.0MGD require monitoring, at a minimum, for Total Nitrogen and Total Phosphorus at a frequency of 1/year. This requirement will be re-imposed.

Raw Sewage Influent Monitoring

For POTWs with design flows greater than 2,000 GPD, influent BOD₅ and TSS monitoring must be established in the permit. The monitoring for influent parameters will be consistent with the same frequency and sample type as is used for the effluent parameters. Raw sewage monitoring will be re-imposed.

NH3-N (BPJ)

For new discharges, if WQM modeling results for summer indicates that an average monthly limit of 25 mg/L (default in model) is acceptable, a technology-based limit of 25 mg/L should be established as a BPJ limit. The following BPJ NH3-N limits will be incorporated into this renewal:

Pollutant	Limit (mg/l)	SBC	Basis
NH3-N	25	Average Monthly	DEP SOP
NH3-N	50	Instantaneous Max	DEP SOP

Water Quality-Based Limitations

Water quality analysis revealed no need for water quality based effluent limits. Dilution ratio is 301 river flow to 1 waste flow.

Dilution Raito

River flow = 494 cfs

STP Discharge Flow = 1.64 cfs

DR = 494/1.64 = 301 to 1

Further modeling not required DR is greater than 25 to 1