

APPENDIX I

TABLE B

Franklin, TN Plant Protection Criteria

This is a summary of the local limits calculation results that were completed on February 14, 2020.

All results are expressed as mg/L.

FRANKLIN WWTP (INFLUENT) PROTECTION CRITERIA

Parameter	Current Protection Criteria	Calculated Protection Criteria (calc. 2020)	"To be Adopted" Plant Protection Criteria	Comment	Basis
COMPOSITE SAMPLES					
Ammonia	40	40.0	40.0	No change	Pass Through
Arsenic	0.022	0.028	0.028	Higher Inf Limit	Sludge Quality
Cadmium	0.0043	0.0043	0.0043	No change	Pass Through
Chromium, Total	0.188	0.188	0.188	No change	Pass Through
Chromium, VI	0.016	0.015	0.015	Lower Inf Limit	Pass Through
Copper	0.33	0.33	0.33	No change	Pass Through
Lead	0.038	0.072	0.072	Higher Inf Limit	Pass Through
Molybdenum	0.043	0.046	0.046	Higher Inf Limit	Sludge Quality
Nickel	0.286	0.286	0.286	No change	Pass Through
Selenium	0.010	0.061	0.061	Higher Inf Limit	Pass Through
Silver	0.020	0.020	0.020	No change	Pass Through
Zinc	0.46	0.50	0.50	Higher Inf Limit	Pass Through
Naphthalene	0.005	0.005	0.005	No change	Pass Through
Total phthalates *1	0.170	0.170	0.170	No change	Pass Through
CBOD ₅	267	267	267	No change	Pass Through
TSS	385	385	385	No change	Pass Through
Total Nitrogen *2	78	31	31	Lower Inf Limit	Pass Through
Total Phosphorus	17	8.7	8.7	Lower Inf Limit	Pass Through
GRAB SAMPLES					
Mercury - Low Level	0.00013	0.00013	0.00013	No change	Pass Through
Cyanide, Total	0.015	0.015	0.015	No change	Pass Through
Benzene	0.015	0.015	0.015	No change	Pass Through
1,1,1 Trichloroethane	0.200	0.200	0.200	No change	Pass Through
Ethylbenzene	0.029	0.029	0.029	No change	Pass Through
Carbon Tetrachloride	0.025	0.075	0.075	Higher Inf Limit	Pass Through
Chloroform	0.185	0.258	0.258	Higher Inf Limit	Pass Through
Tetrachloroethylene	0.030	0.125	0.125	Higher Inf Limit	Pass Through
Toluene	0.035	0.214	0.214	Higher Inf Limit	Pass Through
Trichloroethylene	0.046	0.091	0.091	Higher Inf Limit	Pass Through
1,2 trans dichloroethylene	0.005	0.005	0.005	No change	Pass Through
Methylene chloride	0.132	0.132	0.132	No change	Pass Through
Total Phenols	0.125	0.200	0.200	Higher Inf Limit	Pass Through
Xylene, Total	0.015	0.015	0.015	No change	Pass Through
Oil & Grease	35	31	31	Lower Inf Limit	Pass Through

*1: Includes bis(2-ethylhexyl)phthalate, benzyl butyl phthalate, di-n-butyl phthalate, & diethyl phthalate.

*2: Total Nitrogen is the sum of nitrite, nitrate, organic nitrogen and ammonia.