Weekly Average Concentration:

$$[C]_{Weekly} = [C]_{Monthly}\ (mg/L) \times 1.5$$

Monthly Average Mass Loading:

$$M_{Monthly} = Q_{Monthly}\ (MGD) \times [C]_{Monthly}\ (mg/L \text{ or } ppm) \times 8.34\ (lbs/gal)$$

Weekly Average Mass Loading:

$$M_{Weekly} = Q_{Weekly}\ (MGD) \times [C]_{Monthly}\ (mg/L \text{ or } ppm) \times 8.34\ (lbs/gal)$$

Refer to *Appendix B* for detailed calculations.

4.7.6 Total Phosphorus:

Weekly Average Concentration:

$$[C]_{Weekly} = [C]_{Monthly}\ (mg/L) \times 1.5$$

Monthly Average Mass Loading:

$$M_{Monthly} = Q_{Monthly}\ (MGD) \times [C]_{Monthly}\ (mg/L \text{ or } ppm) \times 8.34\ (lbs/gal)$$

Weekly Average Mass Loading:

$$M_{Weekly} = Q_{Weekly}\ (MGD) \times [C]_{Monthly}\ (mg/L \text{ or } ppm) \times 8.34\ (lbs/gal)$$

Refer to Appendix B for the calculated results.

4.7.7 Total Residual Chlorine (TRC):

Daily Maximum Concentration (Water Quality-Based Effluent Limitation):

$$[TRC]_{Effluent} = \frac{[Q_{Effluent}\ (ft^3/sec) + 7Q10\ (ft^3/sec)] \times [TRC]_{Stream}\ (mg/L)}{Q_{Effluent}\ (ft^3/sec)}$$

with $[TRC]_{Stream} = 0.011$ mg/L

Refer to *Appendix B* for the calculated results.

If calculated limit above exceeds 0.5 mg/L, a daily maximum limit of 0.5 mg/L (technology-based effluent limitation) will be included in the draft permit in accordance with EPD's *Total Residual Chlorine Strategy*, 2010.

4.7.8 Metals

Not applicable