Weekly Average Mass Loading:

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

= 0.125 x 5.2 x 8.34

= 5.4 lbs/day

4.7.8 Total Phosphorus

Weekly Average Concentration:

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

= 5.0 x 1.5

= 7.5 mg/L

Monthly Average Mass Loading:

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

= 0.1 x 5.0 x 8.34

= 4.2 lbs/day

Weekly Average Mass Loading:

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

= 0.125 x 5.0 x 8.34

= 5.2 lbs/day

4.7.9 Total Nitrogen

Monthly average concentration:

$[C]_{Monthly}$ = [C] Annual (mg/L) x 1.25

= 20 x 1.25

= 25 mg/L

Weekly Average Concentration:

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

= 25 x 1.5

= 37.5 mg/L