Weekly Average Mass Loading:

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

= 0.125 x 15.0 x 8.34

= 16.0 lbs/day

4.7.4 Total Suspended Solids:

Weekly Average/ Concentration:

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

= 30 x 1.5

= 45 mg/L

Monthly Average Mass Loading:

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

= 0.1 x 30 x 8.34

= 25 lbs/day

Weekly Average Mass Loading:

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

= 0.125 x 30 x 8.34

= 31.3 lbs/day

4.7.5 Fecal Coliform Bacteria:

Weekly Average/ Concentration:

$C_{Weekly/Max}$ = $C_{Monthly}$ (#/100 mL) x 2

= 200 x 2

= 400 #/100 mL