Day 4 Practice Problem Soutions

3 a) 
$$\frac{54 \text{kg}}{1260 \text{ m}^3} = 0.045 \text{ kg/m}^3$$

b) 
$$\frac{54 \text{ kg}}{1200 + 1500 \text{ m}^3} = \frac{54 \text{ kg}}{2700 \text{ m}^3} = \frac{0.02 \text{ kg}}{\text{m}^3}$$
  
must add this much  $\frac{1}{1200}$ 

(P) a) 
$$15_{2} P_{2} = 2 \text{ mg/L}$$
  
 $5_{1} P_{1} = 5 \text{ mg/L}$   
 $V_{2} = 300 \text{ ymin}$   
 $V_{3} = 250 \text{ ymin}$   
 $V_{4} = 300 \text{ ymin}$