**GRIEGOS PUMP STATION – DISINFECTINO SOLUTION CALCULATIONS**

FILL WATER VOLUME CALCULATIONS:

30” waterline: Line length = 48.5 LF = 1,777 gallons of pipe volume

23” waterline (average for transition between 30” and 16”): Line length = 12.7 LF = 274 gallons of pipe volume

16” waterline: Line length = 96.0 LF = 998 gallons of pipe volume

16” discharge risers: Line length = 30.0 LF = 308 gallons of pipe volume

Total volume = 3,357 gallons (1,777+274+998+308)

CALCIUM HYPOCHLORITE CALCULATION:

Per dosing chart 50oz of 68% calcium hypochlorite is needed for 25ppm chlorine in 10,000 gallons. This yields .005oz/gallon for 25ppm chlorine.

3,357 gallons fill water x 0.005oz/gallon = 16.8oz of calcium hypochlorite.