

Date:
Customer:
Project Reference:
Chemical:



Water / Wastewater

This FORMULA is used to convert benchscale treatability results into chemical pump DOSING information. It converts ml or cc of chemical in a known volume of water into PPM (Mg/L). Then it converts PPM into chemical pump dosing

200.0 INPUT GPM of the water/wastewater process flow rate
5.00 INPUT How many Milliliters (ml or cc) of **chemical solution** are needed to cause the desired reaction in jar testing?
0.50% INPUT What is concentration of **chemical solution** used in the JAR TESTING (% of solution)?
0.50% INPUT What is concentration of **chemical solution** to be used in OPERATIONAL DILUTION (% of solution)?
500 INPUT What size is the wastewater sample used in jar testing (ML milliliters)?
8.34 INPUT What is weight of chemical product per gallon - lbs/gal? Obtain info from product MSDS

50.00 RESULTS PPM (Mg/L) of chemical needed to cause the desired reaction
45.43 RESULTS Cubic meters per hour of water/wastewater (M3/Hr)

100080.00 RESULTS Pounds of wastewater per hour at GPM
5.004000 RESULTS Pounds of chemical (coag, floc, precip etc) product needed per hour at PPM
0.600000 RESULTS Gallons per hour (GPH) of **undiluted chemical** product needed to achieve the desired PPM at process flow rate
1.280000 RESULTS Ouces per minute (Oz/Minute) of **undiluted chemical** product needed to achieve the desired PPM at process flow rate
2271.0000 RESULTS Milliliters per hour (Ml/Hr) of **undiluted chemical** product needed to achieve the desired PPM at process flow rate
37.850000 RESULTS Milliliters per minute (Ml/Min) of **undiluted chemical** product needed to achieve the desired PPM at process flow rate
120.0 RESULTS How many gallons of water per hour are needed to achieve the desired OPERATIONAL DILUTION

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