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Spellman, F.R. (2014). Mathematics Manual for Water and Wastewater Treatment Plant Operators: Water Treatment Operations: Math Concepts and Calculations (2nd ed.). CRC Press. <https://doi.org/10.1201/b17038>

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The daily analyzation result measures 1.02 mg/L. How many gallons of saturated (4 gram per 100 mL of water) NaF solution was

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pumped into the clearwell. A saturated solution contains an AFI of 0.452 and is 98% pure. Fluoride Feed Rate (gpd) = Dose (mg/L) x Capacity (gpd) 18,000 mg/L.

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When you do the math, you get an aeration tank volume of approximately 377,000 gallons. When that volume is expressed in “ million gallons, ” you get 0.377MG. And so ... Note: This equation shows the conversion of both the top and bottom

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basic understanding of arithmetic and problem-solving techniques to solve the problems they typically encounter in the workplace. Hailed on its first publication as a masterly account written in an engaging, highly readable, user-friendly style, the Mathematics Manual for Water and Wastewater Treatment Plant Operators, Second Edition has been expanded and divided into three specialized texts that contain hundreds of worked examples presented in a step-by-step format. They are ideal for all levels of water treatment operators in training and practitioners studying for advanced licensure. In addition, they provide a handy desk reference and handheld guide for daily use in making operational math computations. This second volume, Water Treatment Operations: Math Concepts and Calculations, covers computations commonly used in water treatment with

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