

New Application

Switching From Powder to Liquid

A stainless steel scale provides continuous measurement of the hydrofluosilicic acid contained in a large tank at the Saginaw Water Treatment Plant as the chemical is carefully dispensed into the city's drinking water. The fluoride added to the drinking water is accurately regulated to one part per million, thanks to the Sterling Scale Co. of Southfield, MI, which supplied the 4-foot-square scale. The scale under the fluoride tank represents a shift from a powder-based fluoride additive to the more readily available liquid form. Previously the plant used a powder-dispensing device built in 1953 that was difficult to work with and maintain. The overall fluoride-dispensing process was designed and installed by Chemical Containment Systems Inc. of Mt. Clemens, MI, which used double-walled construction in the design of the day tank to ensure safety and reliability. At the Saginaw plant, water quality is checked every two hours for hardness, pH, chlorine content and many other characteristics to ensure the water is not just safe but pleasant to drink.

Information: www.sterlingscale.com

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