



Case History

ODOR REDUCTION IN WASTEWATER COLLECTION SYSTEM

Background

A wastewater collection system running through a suburban environment had a strong smell of hydrogen sulfide (H₂S) that was causing complaints. Several different programs were tried by the plant to reduce the odor problem and reduce complaints by the surrounding community. A ferrus sulfate program was tried. The program was not cost effective and the community complaints about odor were continuing.

A magnesium hydroxide program was tried. Positive results were initially achieved and the program was cost effective. However, there were mixing problems in the bulk tank, settling of

ENVIRO-SCRUB®

solids in the feed line and pH fluctuations in the system.

Solution

An opportunity was given to the Enviro-Scrub® program. The program consisted of a tote of chemical with a metering pump feeding into the lift station. Enviro-Scrub® was fed into the lift station influent ahead of the baffle station.

Results

No further complaints have been received from the community. The Enviro-Scrub® program is administered by a metering pump on a continuous basis thereby reducing labor costs.