

H2S Controlled with M-8120 and B-8900

Iron Sulfide Levels and Odor Eliminated

BACKGROUND

Several wells located in a new housing addition area were experiencing high H2S levels in the storage tanks. Home owners in the neighborhood filed complaints with the water haulers regarding the rotten smell coming from the tanks.

Multi-Chem was asked to quickly find a cost effective way to treat these tanks with a low profile chemical injection system.

ISSUES

This oil and gas producer had a serious problem with H2S in the production system, causing solids and severe odors.

ANALYSIS

Multi-Chem found that in addition to the odor, the tanks were loaded with iron sulfide, giving the water a black appearance. The tanks provided a perfect breeding ground for SRB (Sulfate Reducing Bacteria) as well. Based on testing, Multi-Chem M-8120 provided the best results for eliminating the solids and MC B-8900 provided maximum bacteria kill for this system.

RESOLUTION

MC M -8180 iron sulfate dissolver was added to the tanks at 200ppm. To insure maximum effectiveness and dispersion of the treatment, the tanks were rolled. Afterwards, Multi-Chem B-8900 biocide was applied at 200ppm to kill the SRB in the system.

DELIVERED VALUE

The tanks were treated for approximately \$200/tank. Bacterial problems and H2S were eliminated with the dual treatment.

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