

CASE STUDY: 06/02/ 2013

F.O.G. / Fats Oil & Grease

&

H₂S Removal

A Simple Solution to a Major Problem

PROBLEM:

Meridian Mississippi; 14 mile force main with 3 – 12 ft. diameter pump stations. Each station had heavy grease and rag mats 2 to 3 feet thick with H₂S readings over 900 ppm.

SOLUTION:

At the advice of consultant Jim White, Mr. Hugh Smith director of Meridian Sewer District installed 2 – 4hp DO₂E Little John Digesters in each lift station.

RESULTS:

According to Jim White, Meridians water treatment consultant, within 24 hours the grease and rag mats were completely eliminated and after 4 weeks, the H₂S gas readings were down to < 5 ppm. It has been 11 months since the project was initiated and there has been no reformation of grease, rags or H₂S in any station or main.

Mr. Jim White:

“The DO₂E Little John Digester greatly exceeded our expectations with phenomenal results. Our collection crews and our plant operators are very impressed at the performance and results of these Digesters.”

The Digesters installed in 30 minutes with no retrofitting required. We were able to stop all chemical feed to the stations resulting in cost savings of over \$36,000 per year. We have also noted significant reduction in line build up from FOG deposits.

Consultant; Jim White (601) 513-0829

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