



9-1-2022

Our WWTP consists of a race track and 2 separate lagoons. Cell 1 is approximately 1.08 acres and cell 2 is approximately 1.49 acres. We had been struggling to meet TCEQ discharge requirements for several years due to a major accumulation of sludge in our lagoons. Our TSS, ammonia, and e-coli concentrations were extremely out of compliance. E-coli had been greater than 2420 ppm for years as well as ammonia over 30 ppm consistently. Cell 1 had sludge protruding above the water level for almost 50% of its surface area, dense vegetation and algae was also a major problem in this cell.

We investigated several methods to lessen the burden and were informed of a company with a new approach to sludge removal. The company, Advanced Microbial Solutions, met with us and proceeded to develop a treatment process we could approve. They did all the groundwork, from sludge judging, and helping with utility requirements, to helping develop a financial plan that we could afford. They also gave a 100% warranty on their work, which is unheard of in this industry.

AMS quickly recognized our issues, sludge judged the lagoons, submitted a proposal, and attended city council meetings to discuss a potential solution with the council as well as concerned citizens. Our council agreed and signed a contract for AMS to begin their proprietary biological technology to alleviate our issues. AMS informed us that other problems usually diminish as the lagoons are returned to better health.

AMS remediated approximately 1,750,000 gallons of sludge from our lagoons in 3 months with no hauling, dredging, and problems that usually plague a traditional dredging operation. To date, we are extremely pleased, that all of our numbers are in compliance except ammonia. Ammonia has dropped from the 30s to 15.1 ppm and is in a declining trend. What is even more amazing is our e-coli had dropped to 2 ppm.

AMS performed professionally, did exactly what they said they were going to do and saved us a large sum of money. We would highly recommend AMS to resolve your WWTP issues.

Respectfully:

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Rachel Moreno, City Major