

Advanced Microbial Solutions Letter of Recommendation

We were noticing quite a change in our lagoon system. Their color and consistency was off and they started emitting an odor. By the middle of the summer the smell was awful. All the elements of a terrible perfect storm had come together at our wastewater treatment lagoons. We had not gotten the usual rains, the temperatures were remarkably high, add to that the fact that they were ready for their cycle to be cleaned out plus our coarse-air aeration system was on its last leg. The cost for mechanical sludge removal was extremely high and we could not allow our lagoons to be out of service.

One of our local vendors recommended Advanced Microbial Systems, AMS, and we were extremely glad they did. AMS showed up in full force and deployed 11 trailers at our facility. They had done sludge judging prior and found that we were only using the top five feet of our fifteen-foot-deep lagoons capacity due to all the sludge in them. From the time they started adding microbes the depth of sludge decreased by half within six weeks. We noticed an elimination of the odor almost immediately. Three weeks later we were essentially finished with the project. AMS removed more sludge than they said they would, due to the fact that while they were working, loads we're coming into the lagoons every day. Sometimes five or six truckloads per day up to 15 and even 22 loads per day. AMS went above and beyond and exceeded our expectations.

Everybody at AMS really worked hard to help us achieve our goals. I appreciated that communication and dedication to our municipality was companywide. From the guys on the ground in the boats doing the sludge judging and mixing, up to biologists and the president of the company. The situation with our lagoons was extraordinarily dire. Therefore, the amount and intensity of the work that needed to be done by AMS reflected that urgency. I am incredibly grateful for the work that they did. There were skeptics in the beginning, but the proof is in the results. I believe that biological dredging will become more popular as the results become more wide known. It is economical, convenient, and effective.

AMS continues to monitor and help us by introducing the microbes, the bugs, until our lagoons become self-viable again. We will continue to work with AMS as our lagoons become healthier and would do so in the future.

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