

To whom it may concern,

The violations regarding TN0074071 Anderson County Water Authority Airbase STP for the 2nd quarter of 2023 is mainly due to very low to no flow during grab sample periods. With a dwindling population on the system and dry spells low flow outputs are happening more and more. During low flows the system develops a black algae growth in the outfall. TDEC was alerted to this in the past year when we experienced a similar problem with DO and Cbod5. As we know algae eats oxygen so as far as treatment I spray a light bleach mixture to kill the algae. I will avoid sampleing when there are only drips available from the effluent.

Now with the nitrogen problem I believe there to be misplaced decimal points or other problem with Microbac reporting. I have no way of proving this other than our test results are in the normal range around 1ppm, where theirs are in the twenties and thirties. From now on we will be running the ammonia test in house. I hope you find these solution to be satisfactory. Any further question please don't hesitate to give me a call.

Gary Sharp

865-803-1742