



CASE STUDY

PELAHATCHIE, MS LAGOON POLISHING

PROBLEM

The facultative lagoon faced tight discharge standards. These standards were imposed on rural lagoons that could not afford traditional mechanical plants.

SOLUTION

AST recommended an RCPG 10 Pilot to polish the treated lagoon effluent.

RESULTS

After implementation, this facility met the required discharge criteria for ammonia, BOD, and TSS.

TABLE 1. SUMMARY OF PELAHATCHIE RESULTS

Constituent	Average Influent mg/L	Average Effluent mg/L
Ammonia	4.9±2.9; n=82	0.5±0.49
Tot. CBOD	10.9±3; n=82	4.1±1.8
Sol. CBOD		2.4±0.7
TSS	27.1±29.6; n=82	16.1±15.3



System Benefits:

- High efficiency
- Low O&M
- Automated Non Mechanical Backwash
- Simultaneous Mechanical and Biological Filtration

Applications:

- Municipal and Industrial Wastewater
- High Strength Wastewater
- Pristine Polishing

INNOVATION | SIMPLICITY | MULTI-FUNCTION

If you have questions about AST's filtration systems or you would like to learn how we can help with your filtration needs, please call us at **1 (504) 837-5575**. We would be happy to help you size a system of your own.

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