

CASE STUDY:

LAGOON POLISHING MORGAN, GEORGIA



THE PROBLEM:

The wastewater lagoon in Morgan, GA is the primary treatment site for the Calhoun County State Prison.



THE SOLUTION:

AST provided a RCPG 10 pilot unit for testing. This unit contained 10 ft³ of our Enhanced Nitrification (EN) media.



THE RESULTS:

AST's RCPG filter model lines are very efficient at mechanically and biologically filtering a wide variety of waste streams.

TABLE 1. AVERAGE INFLUENTS AND EFFLUENTS

Constituent	Flow (gpm)	Influent (mg/L)	Effluent (mg/L)	Conversion/Removal Rate (kg/m ³ -day)
Ammonia (n=45)	3.5 ± 1.10	11.5 ± 3.9	0.71 ± 2.7	0.624 ± 0.31 / 2.7 ± 5.41
CBOD (n=33)		19.06 ± 9.7	5.6 ± 4.8	1.1 ± 0.7
BOD (n=10)		42.5 ± 11.4	9.9 ± 4.6	2.1 ± 1.2
TSS (n=40)		20.7 ± 8.7	8.2 ± 4.7	N/A



RCPG 10 FILTER

System Benefits:

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

System Applications:

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

INNOVATION • SIMPLICITY • MULTI-FUNCTION

If you have questions about AST's filtration systems or would like to learn how we can help with your filtration needs, please call us for a **FREE CONSULTATION - 1 (504) 837-5575.**

astfilters.com

