



BUCK CREEK LAGOON

After 1 year of treatment

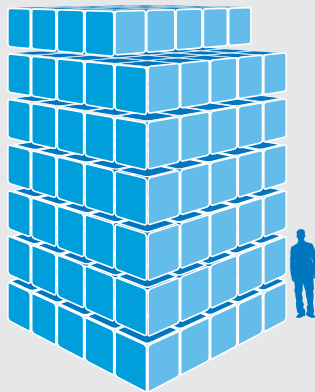
With consistent, regular lagoon operation and no disruption to service, the following results were achieved

Total Sludge Reduction:

After completing the initial Waste Go treatment program and following the recommended maintenance dosage for the rest of the year, the scum layer on cell 1 was eliminated and the overall water quality was easily noted by the echogram data collection. Have a look at the impressive sludge digestion:

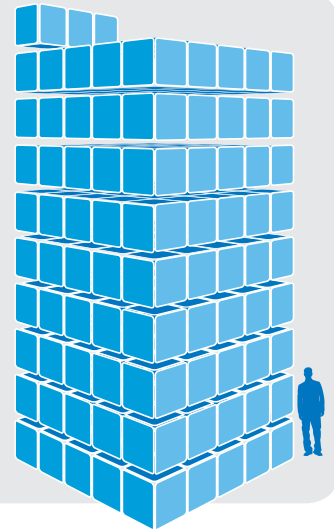
CELL 1

Cell 1 showed a **170 m³ reduction** in total sludge volume over the one-year period. Initial applications were made directly to the cell over a two month period. Weekly maintenance dosages were applied over ½ km away in a lift station!



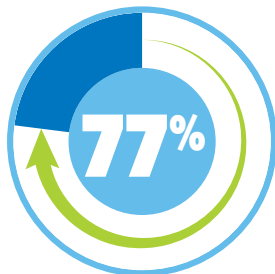
CELL 2

Cell 2 showed a remarkable **228 m³ reduction** in total sludge volume over the one-year period without any direct application!

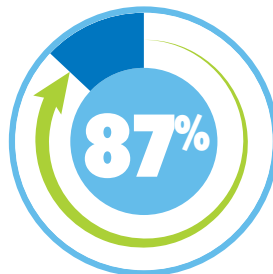


Water Quality Improvements:

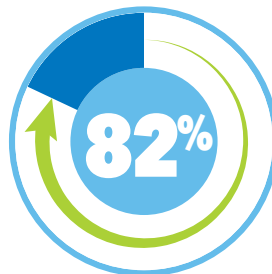
BOD REDUCTION
Biochemical Oxygen Demand
dropped from 176 to 40 mg/L



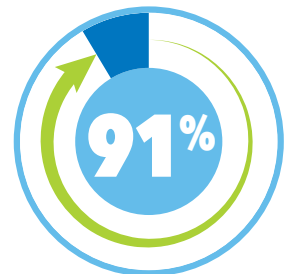
FOG REDUCTION
Fats, Oil and Grease
dropped from 124 to 16 mg/L



TSS REDUCTION
Total Suspended Solids
dropped from 302 to 54 mg/L



PHOSPHORUS REDUCTION
Phosphorus dropped from
6260 to 541 mg/kg



**Ammonia discharge was 28.6 mg/L prior to treatment.
After one year of maintenance, 3.92 mg/L. That's an 86% reduction!**



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Odor Reduction:

BEFORE APPLICATION



AFTER APPLICATION



By speeding up organic digestion, we drastically reduce odors in Lagoons

Easy Application:

INITIAL APPLICATION



For best results in non-aerated Lagoons, we use a pump for better circulation and aeration to maximize results.

MAINTENANCE APPLICATION



Maintenance applications can be applied directly, from a manhole, or from a lift station weekly.

Cost Comparison:



- VS -



\$40,000

Estimated investment for Waste Go Treatment



\$125,000

Estimate to dredge Cell 1

On average, Waste go is 1/3 the cost of mechanical lagoon cleaning!

Waste Go also improves your water quality making discharge safe. Mechanical can't do that for you!



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