

BIODEX

MEMO Re: BIODEX SEWAGE TREATMENT

DESCRIPTION OF THE SYSTEM

2.5 Hectares settling lagoon with Rock Reed type filtration. Lagoon capacity 39,000,000 litres. Influent flow approximately 378,000 litres per day. Retention time approximately 10 days.

SUMMARY OF CHANGES BEFORE AND AFTER TREATMENT

Properties	Before BIODEX Treatment	After BIODEX Treatment *	Percentage improvement
BOD (biochemical oxygen demand)	132.3 mg/L	9.8 mg/L	93%
Fecal Coliform Bacteria (CFU/100ml)	9,255.6	0	100%
TSS (total suspended solids)	61 mg/L	6.2 mg/L	90%
Ammonia (ppm)	45	10	78%

*Results obtained after six weeks of first treatment.

OTHER NOTICEABLE BENEFITS

- ✓ Significant odour reduction
- ✓ Worms, snails and bugs disappeared
- ✓ Algae in lagoon settling tank eliminated
- ✓ Color of effluent changed from green to clear

PRODUCT APPLICATION

Typical sewage treatment system problems correctable with this product require initial application of at least 1 litre of the product per each 30,000 litres of liquid sewage volume, plus continuous treatment of influent at the same rate. Under some circumstances, this rate may be increased, particularly at the initial treatment. Lower application rates do not produce desirable results.

Tim Knight,
General Manager

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