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Client: Nelson Mandela Bay Municipality

Site: Rudolf Street Pump Station

- Date: 2 November
- Challenge: Raw sewage diverted into the harbour
- Reason: Pump failure from excess fats
- Huge health, environmental & tourism impact
- 350mm of sewage fat effluent posing major challenge
- Try remediate with Ecozyme bio-enzyme technology
- Dosing started 14 November



## Background:

- Ecozyme manufactures bio-enzymes uniquely made in S.A. cultivated from S.A. soils
- How bio-enzymes work?
- Natural home ground performance advantage
- Local manufacturing technology creates jobs
- Assists with S.A.'s trade deficit
- Much greener than imports - carbon footprint
- Pump Station Gobbler™ - a first for South Africa
- Ecozyme products are locally accredited & audited
- Eco-Choice Logo, Heritage Environmental & G.E.N.
- Impervious to Rand / Dollar exchange rate
- Currently service key blue chip co's per industry in S.A.

# Area: Rudolf Street Pump Station

Day 1: Extremely thick 350mm fat effluent build up. Odour = 10 / 10.



# Area: Rudolf Street Pump Station

Day 2: Slight pooling of water. Odour = 9 / 10.



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# Area: Rudolf Street Pump Station

Day 3: Noticeable pooling of water and reduction of the fat crust. Odour = 5 / 10.



# Area: Rudolf Street Pump Station

Day 4: Fat crust had been completely digested by the bio-enzymes (plastics manually scooped and removed) Odour = 2 / 10.



# Area: Rudolf Street Pump Station

Before:



After:





## Conclusion:

- Pump Station Gobbler™ performance was staggering
- Completely surpassed client's expectations
- Total digestion of problem fat, oil and grease layer
- Massive positive implications for pump stations and sewage plants across S.A.
- Just dosing the pump stations will carry on and benefit the sewer plants
- To become an authorized distributor email [distributor@ecozyme.co.za](mailto:distributor@ecozyme.co.za) today!





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