

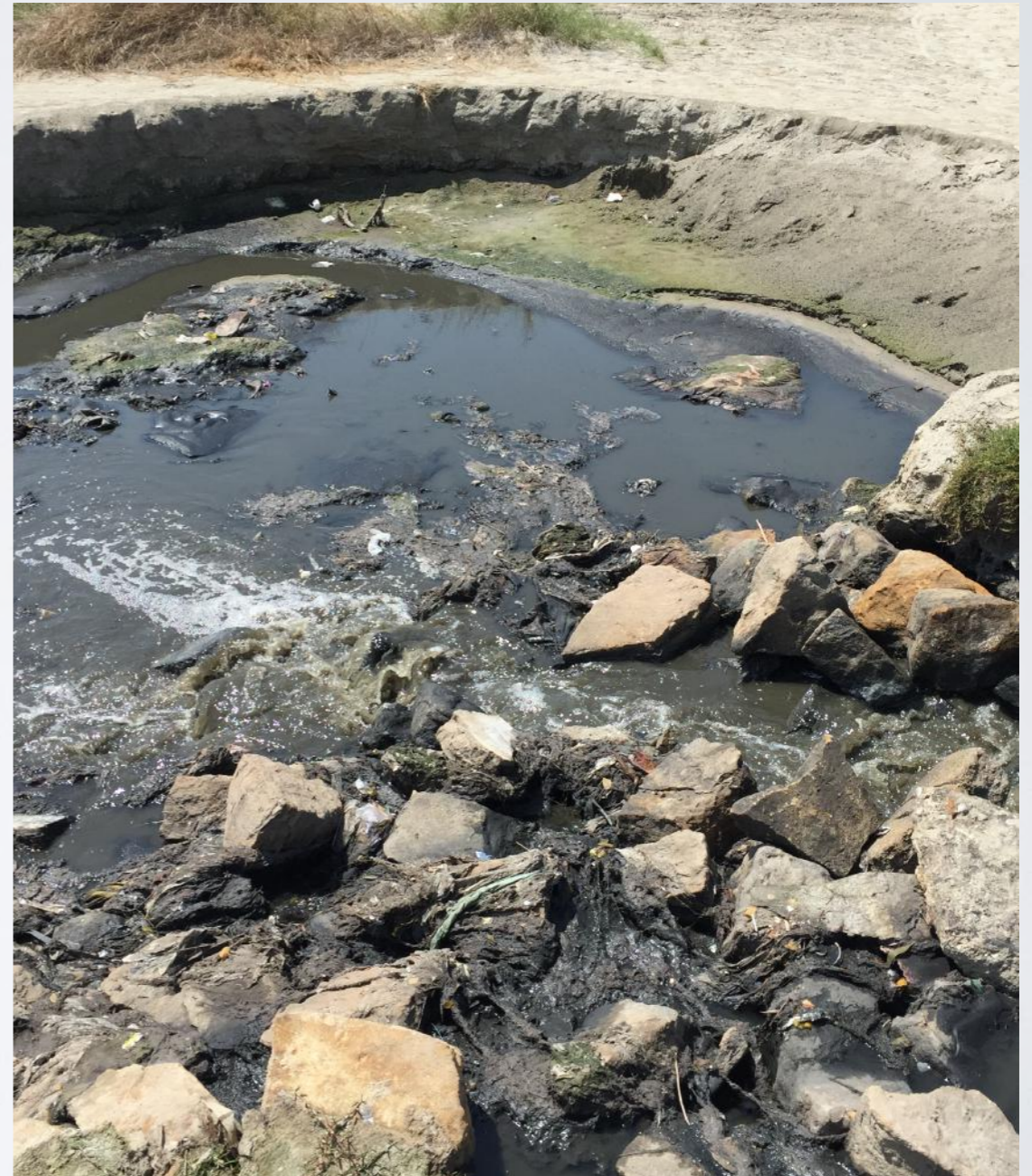


ERGOFITO

A BIOLOGICAL SOLUTION TO A BIOLOGICAL
PROBLEM

ERGOFITO HAS NOT COPIED NATURE, IT IS NATURE

- Ergofito is the natural group of bacteria that decompose all that is inert and organic.
- In fresh or salt water, in any type of soils and in air, the results are the same, clean up
- Over and above organic matter, Ergofito is also able to break down all Sulphides, Phosphates and Nitrates into proteins then to amino acids





DECOMPOSITION IS THE
KEY

ALL ORGANIC MATTER IS DEGRADABLE BY BACTERIA

- SEWAGE
- HYDROCARBONS
- MOST FACTORY EFFLUENTS
- ABATTOIR WASTE
- MOST MEDICAL WASTE
- SUGARS



SIMPLE AND EASY APPLICATION

- IN A SEWAGE PLANT ERGOFITO IS APPLIED AT THE HEAD GATES.
- ALL PH ADJUSTING CAN CEASE
- ALL CHLORINATION CAN CEASE
- ERGOFITO IS A SINGLE PRODUCT APPLIED ONCE A DAY

- ALL SMELLS WILL DISAPPEAR RAPIDLY
- COLOUR OF THE MIX IN THE AERATOR WILL ALTER DUE TO DECOMPOSITION
- A RAPID ABATEMENT WILL OCCUR OF :
 - COD
 - TSS
 - NITRATES
 - PHOSPHATES
 - PATHOGENS

TYPICAL RESULTS IN A WWTP

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SOUTH AFRICA

Certificate of Analysis

OVERSTRAND MUNICIPALITY : SC 1774/2017

Hawston Sewage Treatment Plant

Grab samples of raw sewage and various process effluents collected on 25 August 2017

Report no.: 3907

SAMPLE	Raw Sewage	Aeration Tank	Settling Tank	Final Effluent	ATML	RAS	DSVI	Cake		General Limit
pH (at 25 °C)	-	-	-	-	-	-	-	-	-	5.5-9.5
pH (at 25 °C) Field	7.46	7.40	7.31	8.67	-	-	-	-	-	5.5-9.5
Settleable Solids (ml/l)	15.0	1000	<0.10	<0.10	-	-	-	-	-	N/A
Conductivity (mS/m) (at 25 °C)	195	-	-	133	-	-	-	-	-	150(F + 70)
Faecal Coliforms (count per 100 ml)	-	-	-	<1	-	-	-	-	-	1000 Max.
Chemical Oxygen Demand (mg/l)	1016	-	59.9	158	-	-	-	-	-	75.0 Max.
Chemical Oxygen Demand (Filtered) (mg/l)	-	58.6	-	59.8	-	-	-	-	-	(Algae removed)
Total Kjeldahl Nitrogen (mg/l as N)	106	-	-	-	-	-	-	-	-	N/A
Ammonia Nitrogen (mg/l as N)	94.9	4.1	1.7	3.7	-	-	-	-	-	6.0 Max.
Nitrate Nitrogen. (mg/l as N)	-	0.87	-	0.32	-	-	-	-	-	15.0 Max.
Nitrite Nitrogen (mg/l as N)	-	0.29	-	<0.20	-	-	-	-	-	15.0 Max.
Total Suspended Solids (mg/l)	-	-	-	70	7400	12700	3688	-	-	25 Max.
Volatile Suspended Soilds (mg/l)	-	-	-	-	7040	-	-	-	-	N/A

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SAMPLE	Raw Sewage	Aeration Tank	Settling Tank	Final Effluent	ATML	RAS	DSVI	Cake		General Limit
Total Phosphate (mg/l as P)	13.6	-	-	-	-	-	-	-	-	N/A
Ortho Phosphate (mg/l as P)	-	-	-	3.7	-	-	-	-	-	10 Max.
Free Chlorine (mg/l)	-	-	-	<0.05	-	-	-	-	-	0.25 Max.
Total Chlorine (mg/l)	-	-	-	<0.05	-	-	-	-	-	N/A
Dissolved Oxygen (mg/l)	-	0.25	0.22	-	-	-	-	-	-	N/A

F = Feed water

ATML = Aeration Tank Mix Liquor

RAS = Return Activated Sludge


N.VAN BINSBERGEN (Pr.Sci.Nat.)
DIRECTOR



HOW MUCH IS APPLIED

Calculating the amount of Ergofito Aqua GW required:

You will require an average of 5 grams per m³ per day. As an example, if the WWTP treats 500 m³ of raw sewage per day you will require the following:

$500\text{m}^3 * 5 \text{ grams} = 2\,500 \text{ grams} = 2,5 \text{ kg}$ of Ergofito Aqua GW per day.

NB: The above is a general indication, depending on the temperature of the water and the size of the WWTP, the daily dosage may vary between 2 grams to 10 grams per m³ per day. The larger the WWTP the lower the dosage.



ALL QUESTIONS WELCOMED