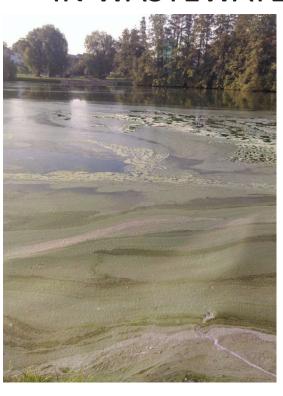


IMPLEMENTATION OF THE WATER FRAMEWORK DIRECTIVE (2000/60/EC)

AND THE WASTE WATER DIRECTIVE (91/271/EEC)

CONSISTS IN REDUCTION OF EXCESS OF ORGANIC BIOGENES IN WASTEWATER AND ATROPHIED WATER RESERVOIRS





THE **E**CO-TABS TM TECHNOLOGY REDUCES THE EXCESS ORGANIC NUTRIENTS (NITROGEN, PHOSPHORUS) AT THE PLACE:

- WHERE THEY ARE GENERATED HOTELS, SHOPPING CENTERS
- THERE THEY ARE BEING TRANSMITTED THE SEWAGE NETWORK
 - PUMPING STATIONS
- WHERE THEY ARE REDUCED WASTEWATER TREATMENT PLANTS
- WHERE THEY ARE DEPOSITED WATER RESERVOIRS KOBIOMIK TECHNOLOGY

Eco-Tabs TECHNOLOGY IS A MINI-WASTEWATER TREATMENT PLANT IN THE SEWER NETWORK

Eco-Tabs products

- Donor of molecular oxygen O₂,
- Microdot Separation Technology (MST),
- They oxygenate wastewater, thus supporting the processes of mineralization of organic matter.
- Cost 0.2-0.4 PLN (0.1 USD)/m³ of wastewater



- Ferrox destroys concrete sewage systems, causes corrosion of pipes, and contributes to the growth of sludge at the sewage treatment plant
- At the concentration of 200-300 ppm, approx.
 200-350 g/m³ of wastewater should be used
- The cost of the product is approx. 850 PLN (220 USD) per ton
- The unit cost per 1 m³ of wastewater is 0.18-0.3 PLN (0.05 0.1 USD)
- The cost of the dosing system is approx PLN 20,000 (5000 USD)

(Source: K. Krzaczkowski, Presentation given in September 2012)

THE SOONER THE ECO-TABS ARE USED IN A WASTEWATER TREATMENT SYSTEM, THE HIGHER IS THEIR EFFICIENCY

Possible dosing points: RESIDENTIAL BUILDINGS, HOTELS, SHOPPING MALLS, HOSPITALS

- Application cost: 200 2000 PLN (50 -500 USD) per month
- Example: Hotel Kuracyjny in Gdynia
- Financing savings on the chemical products used, the mechanical cleaning of the sewage system, and fat disposal.



OPERATION IN WASTEWATER TREATMENT PLANTS

- Cost of application: 1st-3rd month 0.40 0.80 PLN/m³ (0.1 0.2 USD/m³)
- Subsequent months: 0.20 0.40 PLN/m³ (0.05 0.1 USD/m³)
- Financing savings in electricity consumption, PIX, no penalties for exceeding parameters, higher dry mass of dehydrated sludge.



ECO TABSTM

- BETTER ECOLOGICAL INDICATOR
- REDUCTION OF CHOD, BOD₅, AMMONIA, PHOSPHORUS, AND SUSPENDED SOLIDS
 - BEING A GOOD NEIGHBOR
 - REDUCTION OF HYDROGEN SULPHIDE
 - LOWER ELECTRICITY BILLS
 - REDUCED MECHANICAL AERATION
 - LOWER CONSUMPTION OF PIX'S AND POLYMERS.
 - REDUCTION OF EXCESS SLUDGE AND BIOGENIC COMPONENTS
 - CONTROL OF WASTEWATER TREATMENT PLANT OPERATION COSTS

