

Industrial Wastewater Treatment

Sugar Refinery, Australia

Introduction

Prior to using BiOWiSH™, a large sugar processing mill located at Sarina in Queensland, Australia, was experiencing issues arising from sludge accumulation in waste water lagoons including excessive odor and high nutrient loads. The lagoon used for an initial validation of the technology was used to store excess waste/stormwater and was 19 ML in size.

Objectives

Working in close collaboration with site managers, BiOWiSH Technologies implemented a treatment program in order to achieve the following objectives:

- Reduce sludge accumulation
- Minimize odor emanating from the lagoons
- Manage nutrient loads in the effluent

Solution

BiOWiSH™ Aqua has been specifically formulated for industrial wastewater treatment applications and has excellent wastewater treatment and odor control properties. *BiOWiSH™ Aqua* deals with a wide range of organic waste streams and is particularly well suited to nitrification and de-nitrification applications.

Results

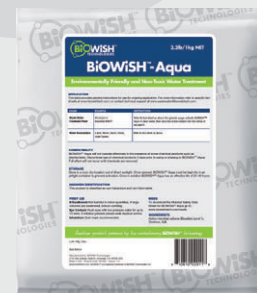
- 70% reduction in BOD in 4 weeks
- Up to 25% reduction in nutrient load
- Odor Control: The production manager was very pleased with the reduction in odor achieved. The mill usually receives numerous complaints from nearby residents per month – During the application of BiOWiSH™ they received NONE.

BiOWiSH™ Aqua

- Reduces sludge production and handling (up to 60%)
- Increases plant capacity by reducing contact time (capital avoidance)
- Eliminates odorous emissions
- Delivers substantial energy savings due to less aeration (15 to 50%)
- Lessens need for chemical additives
- Stabilizes and improves plant operations
- Removes hydrogen sulphide, ammonia and nitrates
- 100% natural and non-toxic

Available sizes

- 100g
- 1kg



About BiOWiSH™

The result of over 18 years of research and development, BiOWiSH™ is a powerful blend of biocatalysts that breaks down complex organic molecules to help eliminate waste, reduce odors, improve soil fertility and enhance water quality, among other uses. 100% natural and non-toxic, BiOWiSH™ is safe for everyday use in a wide range of consumer and industrial products. It has been proven to solve problems in environmental management (including wastewater, solid waste, soil and water remediation and industrial emissions), as well as agriculture. BiOWiSH™ products are used extensively and available in Asia, Australia, Europe, North America and Latin America.

Contact

BiOWiSH Technologies

Tel: +1 312 572 6709

Email: wastewater@biowishtech.com

Biological help for the human race



www.biowishtech.com

BiOWiSH™ is a registered trademark of BiOWiSH Technologies Inc.

CSWT20MA11INT

Biological Help for the Human Race™