



38,000 tonne molasses bladder]

### **GDT Lining Systems have recently completed the construction of a Molasses Bladder**

Molasses generates CO<sub>2</sub> and H<sub>2</sub>S when stored. Molasses often enters the storage hot and cools of emitting gas as it loses heat. If the gas is not removed from under the cover it will interfere with the roof drainage which may cause the gas flow under the cover to be blocked and large bubbles in the cover system to form. The solution is to provide:

- A large central float with a gas collection pipe system on either side and provide positive extraction of the gas by way or an in line industrial fan. Application of a small negative pressure under the cover has a big effect, pulling the cover down against the stored molasses and allowing water that is collected on top of the cover, from precipitation, to find its way to the perimeter drainage sump.
- Provide perimeter rather than central weights to the system

## **Who We Are**

GDT LINING was established in 1990 and has become experts in all aspects of the lining industry. We have the capacity and knowledge to provide a design to installation service which is backed up by our **QUALITY ASSURANCE**. GDT Lining has worked Australia wide and in Papua New Guinea. Our clients include local government, mining companies, agricultural and aquaculture companies. Contact Us today to discuss your project

### **Contact Us**

Phone: 07 40617770

Email: [andrewmaddocks@geosynthetic.com.au](mailto:andrewmaddocks@geosynthetic.com.au)

Web: [www.gdtliningsystems.com.au](http://www.gdtliningsystems.com.au)

GDT LINING SYSTEMS  
9 Donald Street Innisfail  
Queensland 4860  
AUSTRALIA



# GDT Lining Systems

*Molasses Storage with gas extraction.*



## What we Do

### Mission Statement

GDT Lining has a mission to improve the industrial landscape by containing any harmful waste. We accept that waste is a byproduct of our industrial society. We aim to mitigate the downside to a level which is acceptable, by limiting the spread and effect of waste materials on everyday life.

GDT has been installing molasses storages for 30 years and has learned about the problems of gas produced.

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*“We are careful with our work because we know about the consequences if things are not done right*

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### Other applications involving the production of gas by stored liquids

Anaerobic Digestors produce gas. Covered storages are often used to collect the gas. Gas is piped from the storage to flares and boilers.

Aerated water storage. Air is often blown through stored water to condition of mix it. The air may be blown through a pipework system in the bottom of the storage and must be vented through the geosynthetic cover to atmosphere.



Pond Liners

### Our Products and Services

Dam Liners

Low cost water storages

Landfill liners

Mining applications including tailings dams, leach pads and acid rock covers.

Sewerage Ponds