



WE SOLVE ODOR!

Take Back Control Of Odors At Your Facility
Increase Plant Capacity / Reduce Operating Costs



HOG MANURE TREATMENT

HOG WASTE LAGOON STORAGE

1.2 MILLION GALLONS PRIMARY LAGOON
STEINBACK, MANITOBA



The Challenge/Problem

A hog farm operation was attempting to remediate an old, overloaded lagoon with a large layer of solids built up on the bottom of the lagoon that had significantly reduced its functionality. Pumping of the solids was restricted because they had become “cemented” on the bottom of the lagoon. Lagoon odors were also causing issues for neighbors.

Treatment Plan and Execution

- ✓ Dosage: 50ppm
- ✓ Method of Application: BIOLOGIC™ SR2 mixed with water at a rate of 100 parts water to 1 part product and was sprayed over the surface of the lagoon six weeks prior to pump out.

Success

Six weeks following application of the product, the primary cell was emptied and the bottom layer of “cemented” sludge was found to have broken up. An additional 250,000 gallons of pumpable sludge was found to be recoverable compared to the previous pump-outs.

Other benefits that were found included:

- | Significant odor reduction in lagoon and manure
- | Surface cake layer of solids disappeared

Observations from the hog operation manager:

“My name is Steve Gallop, I have worked in the hog industry in Manitoba for 19 years in the nutrient management side, moving up to 150 million gallons/year. I have probably tested out 5 different products a year for the past 19 years. When I was approached by SciCorp to test their product “SR2”, we decided to put it in one of our oldest and worst lagoons for solids.

*Even though we applied it later in the year than we should have, and it was a colder than normal year, after just 6 weeks of being in the primary cell there was an amazing difference when we emptied the lagoon. Instead of finding the hog manure bottom solids that we expected to be like cement after many years of sitting in the lagoon, there were now huge craters where the solids had been digested; some were 6 feet across and up to 2 feet deep. I estimate that 1 application of SR2 probably recovered up to 250,000 gallons of storage out of a 1.2 million gallon primary cell. In addition, I can say after pumping, **it does an amazing job at reducing odor in hog manure!**”*

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