

WE SOLVE ODOR!

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



INDUSTRIAL WASTEWATER TREATMENT

DAIRY



Parmalat Winchester Wastewater Treatment Plant

The Challenge/Problem

Parmalat Winchester wastewater treatment facility was faced with increasing operational upsets, odor issues, and sludge management challenges.

- A significant number of odor complaints were being received from offsite neighbors of the facility
- Odor mitigation methods such as the addition of lime and calcium sulphate were proving to be inadequate and were negatively impacting biological treatment
- Increased dairy product production was resulting in high organic loads leading to WWTP overload and plant upsets



Lactalis Canada Inc., (formerly Parmalat Canada Inc.) is a dairy processing company with administrative offices in Toronto, Montreal and Calgary, 17 processing facilities. The Parmalat Winchester wastewater treatment plant has an average flow of 2,100 m³/day of raw wastewater which is treated by the activated sludge extended aeration wastewater treatment facility.

SciCorp Treatment Plan and Execution

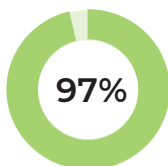
SciCorp engineers partnered with Parmalat plant operators to evaluate their system data, set measurable benchmarks, and develop a treatment approach that involved the following:

- ✓ Implementation of continuous dose of BIOLOGIC™ SR2 to influent organic load set to daily flow rate
- ✓ Annual spring application of shock dose of BIOLOGIC™ SR2 for sludge storage cells to eliminate odors

Success

Shortly after implementing treatment, Parmalat engineers reported a very significant reduction in odor complaints caused by the sludge storage cells and the return activated sludge.

Long-term benefits included:



Reduction in odors from sludge in sludge storage cells



Elimination of odors from return activated sludge

Problems Avoided

By working with SciCorp, the plant operators were able to help the facility avoid:

- Regulatory enforcement associated with odor complaints and effluent discharge concentrations
- Damage to the company brand in the community

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Contact our Engineers:
1-800-897-2053 contact@scicorp.net

