PROJECT PROFILE

Sorel-Tracy MSW Composting Facility

LOCATION
Sorel-Tracy, Quebec, Canada

CLIENT
MRC Bas-Richelieu

PROJECT TYPE
Build, Own & Operate (BOO)

ANNUAL WASTE INPUT
35,000 Tonnes MSW
100 Tonnes/day SSO

POPULATION SERVED
50,000

START-UP
January 1993

OUTPUT
- Compost - 49 %
- Residuals - 24 %

DIVERSION RATE
Over 70%

HOURS OF OPERATION
12 hours/day, 7 days/week

MATERIALS RECOVERED
Ferrous Metal, Nonferrous Metal, Wood, Stones and Concrete, Plastic (future)

BACKGROUND

In the late 1980's, faced with the ever-increasing cost of waste disposal and the lack of a landfill site, a few forward-thinking people in the Sorel-Tracy area set out on a quest to find a waste-management solution. Their investigation soon took them across Europe in search of recycling and reclamation methods. A technology based on a bioreactor to produce compost from municipal waste was recognized immediately as a cutting-edge solution and led to the creation of Conporec. The funding required to set up the new plant was made possible by a contract to supply services to most of the municipalities in the Bas-Richelieu regional county municipality. The Conporec plant went into operation in 1993.

PROJECT DESCRIPTION

The components for the Sorel-Tracy Composting Facility included the following:

- a totally enclosed processing building
- a waste receiving area for both Mixed Solid Waste (MSW) and Source Separated Organics (SSO)
- a rotating bioreactor for accelerated decomposition of organics
- a primary refining and sorting area for separation of inorganics (non-compost)
- a forced air, aerobic composting bays with powerful windrow agitator in a weatherproof building
- an advanced secondary refining system to finish the compost
- a drop-off center for hazardous waste, construction & demolition material, yard and green waste
- a lab space for testing and quality control
- an extensive odor control system

PROJECT STATUS

The Sorel-Tracy Facility's average diversion rate for the last twelve (12) years is over 70 percent. Recent modifications to the facility have been made to process efficiently Source Separated Organics (SSO) materials.

www.conporec.com

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