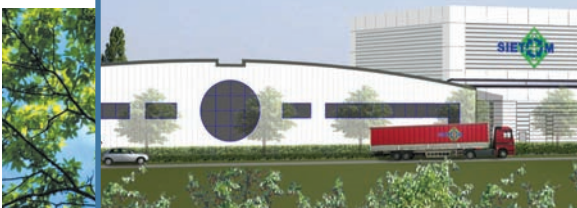


PROJECT PROFILE

Modernization of the SIETOM plant in the Tournan-en-Brie region



LOCATION

Ozoir-la-Ferrière, France

CLIENT

SIETOM (Syndicat Mixte d'Enlèvement et de Traitement des Ordures Ménagères) of the Tournan-en-Brie region

PROJECT TYPE

Turnkey

ANNUAL WASTE INPUT

65,000 tons of Mixed Solid Waste (MSW)

POPULATION SERVED

150,000 people in 41 communes

START-UP

Fall 2007

OUTPUT

Without a granulator: compost 24%
residual 45%
With a granulator: compost 34.5%
residual 34%

DIVERSION RATE

Without a granulator: 55%
With a granulator: 66%

HOURS OF OPERATION

12 hours/day, Monday to Saturday
8 hours on Sunday

MATERIALS RECOVERED

Ferrous metals
(to come)

BACKGROUND

The Tournan-en-Brie SIETOM was established in 1967; it is one of the first composting plant to use the bioreactor treatment technology. The first bioreactor was commissioned on the site of the Unité de Traitement d'Ozoir-la-Ferrière in 1970. The capacity of the Ozoir UTOM was increased and its operations diversified over the years. An incinerator was installed a few years later and a second bioreactor was commissioned in 1993. The incinerator was decommissioned in 2000 due to its non-compliance with standards. SIETOM had been looking for replacement solutions since 1999 to produce a compost meeting stricter standards and equipped with odour-controlling capability. After learning of the existence of CONPOREC, the SIETOM president led a delegation comprising representatives from the ADÈME, the CEMAGREF, specialists in biological treatment of household waste as well as operator representatives. After a first visit in 1999, SIETOM launched the modernization of its Ozoir facilities using a model similar to what had been observed at the CONPOREC plant in Sorel-Tracy.

In the spring of 2003, the SIETOM issued a tender for the design and implementation of the Ozoir-la-Ferrière UTOM modernization project. CONPOREC, through its French company Conporec SAS entered into a partnership with ATEIM, creating the group ATEIM/CONPOREC/Atelier BW to bid on the project. In August 2004, the Group was awarded the contract.

PROJECT DESCRIPTION

The project consists of modernizing the UTOM to process 65,000 tons per year of household waste and produce at least 15,000 tons of compost per year, in compliance with the new NFU44-051 standard.

The project is located in an urban area and the entire operations will take place in-vessel. The main components are:

- A receiving area with double household waste pits
- Two 48-m long by 4.25-m diameter bioreactors for accelerated transformation of the organic fraction contained in the household waste
- A primary refining and sorting area to separate organic and non-organic matters and to sort ferrous metals
- A forced-air composting building with mechanical turning of the compost
- A secondary refining area used to separate compost from inorganic/oversized objects
- A compost maturation and storage area in a closed building to ensure compost maturation, storage and loading
- A storm basin, to prevent discharging liquid effluents and rain water into the environment
- The entire process is carried out in-vessel under negative pressure while all air will pass through a biofiltration treatment.

PROJECT STATUS

Studies and permit requests are completed and the main process equipments have been built. A significant part of the civil engineering works, such as site preparation and demolition work, is also completed. Final construction will start at the end of 2006; industrial commissioning is planned for the fall of 2007.