

4. ACTIVITY CLASS

4.1 Class of Activities under the Waste Management Act 1996

Under the Waste Management Act 1996, as amended by SI 166 of 1998, the activities which will be undertaken at the facility will be:

Third Schedule - Waste Disposal Activities

7. Chemical-chemical treatment not referred to elsewhere in this Schedule (including evaporation, drying and calcination) which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 10 of this Schedule (including evaporation, drying and calcination).
8. Incineration on land or at sea. This is the principal activity under the Waste Management Act.
11. Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
12. Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.
13. Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

Fourth Schedule - Waste Recovery Activities

1. Solvent reclamation or regeneration.
2. Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).
3. Recycling or reclamation of metals and metal compounds.
4. Recycling or reclamation of other inorganic materials.
6. Recovery of components used for pollution abatement.
9. Use of any waste principally as a fuel or other means to generate energy.
13. Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.

4.1.1 Community Recycling Park

The community recycling park will act as a collection point for various household waste streams which will then be shipped for recycling to other facilities. This activity will be class 13 of the fourth schedule of the Act and class 2, 3 and 4 of the fourth schedule. However, if materials unsuitable for recycling are deposited, they will have to be disposed of. This will be class 13 of the third schedule.

4.1.2 Waste Transfer Station

In the waste transfer station, waste will be temporarily stored while being assembled into lots for shipment for recovery or disposal, or for incineration on site. Waste will be repacked if necessary. Liquid waste, which is suitable for treatment in the waste to energy plant, will be transferred to bulk tanks, mixed with compatible waste in the process, transferred to road tanker and transported to the waste to energy plant. Liquid waste for recovery will be transferred to a bulk tank, mixed with compatible waste in the process, and from the bulk tank transferred to road tankers and shipped overseas. Thus activity classes 11, 12 and 13 of the third schedule and class 1 and 13 of the fourth schedule will be undertaken in the waste transfer station.

4.1.3 Waste to Energy Plant

Solid and liquid wastes will be used as fuel in the furnaces and the heat will be recovered to generate electricity. Liquid wastes will be mixed in the bulk tanks and stored prior to combustion. If the PCC is not in operation, liquid wastes stored in the bulk tanks may be shipped off site for recovery or disposal. Depending on market conditions, even with the PCC operational, blended solvent wastes from the bulk tanks may be sent to facilities overseas for use as fuel. Solid wastes will be stored in the bunker prior to combustion. Boiler ash and flue gas cleaning residues may be solidified prior to being sent off site for land filling. Thus activity classes 7, 8, 11, and 13 of the third schedule and 9 and 13 of the fourth schedule will be undertaken in the waste to energy plant. Bottom ash, containing inorganic materials such as silicates, may be recovered for use in construction. Ferrous metals will be recovered from the bottom ash. Gypsum, which may be a by-product of the flue gas cleaning processes, may be recovered from the scrubbers. These are activity classes 4, 3, 6 and 13, respectively, of the fourth schedule.

4.2 Class of Activity under the EPA Act, 1992

Under the First Schedule of the EPA Act, 1992, the classes of activity to be undertaken at the facility are as follows:

Energy

2.1 The production of energy in a combustion plant the rated thermal input of which is equal to or greater than 50MW other than any such plant which makes direct use of the products of combustion in a manufacturing process.

The waste to energy plant will have a thermal input of approximately 80MW and will produce approximately 18MW of electrical energy from the combustion of waste.

Waste

11.1 The recovery or disposal of waste in a facility, within the meaning of the Waste Management Act 1996, which facility is connected or associated with another activity specified in this Schedule in respect of which a licence or revised licence under Part IV is in force or in respect of which a licence under the said Part is or will be required.