

SECTION E

EMISSIONS

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Section E.1 - Emissions to Atmosphere

Tables E.1 (ii) and Table E.1 (iii) for the main emissions points are completed in the Application Form. Table E.1 (iv) for fugitive emissions has also been completed in Application Form.

Composting emissions, landfill gas emissions, landfill leachate emissions, clinical waste handling emissions and thermal emissions (as listed in Section E1 of the Waste Application Guidance Notes) will not arise.

Particulate emissions from the handling and storage of solid waste will be kept to a minimum by confining all such activities to indoors. Packaged waste will only be opened and repacked if the packaging containing the waste is deemed damaged or inappropriate. As tanks fill, a single tank volume of mainly high flash point (low-hazard) vapour will be emitted.

Section E.2 - Emissions to Surface Waters

This section is not applicable, as there will be no emissions to surface waters.

Section E.3 - Emissions to Sewer

This section is not applicable, as there will be no emissions to sewer.

All waste effluent arising from leakages, spill clean-ups or general house-keeping/cleaning duties will be drained to containment sumps within bunded areas and will be fed to a central retention tank via a pipe network. When the contents of the retention tank reaches a specific volume it will be taken-off site for treatment and safe disposal. Where possible spilled liquids will be returned to the tank to which they were destined.

Section E.4 - Emissions to Groundwater

As at present, domestic effluent only will be treated in the packaged waste water treatment plant. This treated effluent will then percolate to soil/groundwater.

Section E.5 - Noise Emissions

Noise and vibrational emissions may arise from plant vehicles (e.g. forklifts) and waste delivery vans and trucks travelling to and from the site. All loading and unloading of bulk oil and drummed waste will take place within the enclosure of the transfer waste station building. There will be no processing of waste material on-site and therefore there will be no prolonged periods of noise emission associated with processing/treatment plant equipment. Any noise emissions that do occur will be of a short duration (unloading/loading of waste operations) and generally within the hours of normal opening hours (07:00am to 09:00pm, Monday to Saturday).

The site is located adjacent to the Cork - Ringaskiddy N28 road. Annual Average Daily Traffic for the N28 is 6,713 vehicles, with 1,275 of these (19%) representing heavy goods vehicles. The proposed waste transfer station facility will only add 2 to 4 more traffic movements daily in the Raffeen area. The site is currently licenced for 12 to 16 movements per day. Therefore, it is anticipated that the effects of these sources on the local environment will be minimal.

Thus, operations at the facility will not have a significant impact on existing background noise levels.

Noise monitoring will be conducted on an annual basis once the facility has commenced operation.

Section E.6 - Environmental Nuisances

• Bird Control

The type of waste to be stored on site, awaiting off-site dispatch to other licenced facilities, does not represent a food source for birds.

• Dust Control

The operations of the proposed site will not generate dust to the level that it would be considered a nuisance. All solid waste to be stored at the facility will be contained in-doors in sealed drums or other containers.

Another source of dust may be contributed to vehicle movements to and from the site. To minimise traffic movements access to the Gleneden site will be restricted to staff, delivery and dispatch vehicles, approved visitors and approved site service vehicles. Also, to minimise vehicle movements originating from the facility, efforts will be made, where possible, to ensure that all-waste shipments off site are at maximum load capacity.

The access road is surfaced with bituminous tarmacadam.

• Fire Control

All employees will be trained in:

- Fire prevention.
- How to raise the alarm.
- What to do in the event of fire.
- How to use fire extinguishers and which fire extinguisher is the safest depending on the type of fire.

A copy of the Fire Notice Action to be taken in the event of a fire is attached below.

Fire notices on what to do in the event of fire are and will be posted at prominent locations in the plant and these contain the relevant emergency numbers (fire service, ambulance).

Seven fire extinguishers will be located throughout the plant. These will consist of:

- 2 no. 5kg CO₂ extinguishers
- 1 no. 2kg CO₂ extinguisher
- 2 no. 6kg AFF Foam extinguishers
- 2 no. Dry Chemical Powder extinguishers
- 2 no. Fire Blankets

There will be a hose reel located within the plant and will be connected to the main water supply thus giving a constant supply of water. There is a fire hydrant located within 25 metres of the facility.

- **Vermin Control**

The solid waste to be stored will be completely sealed and packaged in drums or other containers. Furthermore the type of waste to be stored on site, awaiting off-site dispatch to other licenced facilities, does not represent a food source for vermin. It is not anticipated that any further measures are required to prevent potential vermin nuisance however good housekeeping practices will be maintained.

- **Road Cleansing**

The facility will operate on hard surfaced areas. The vehicles will travel to the facility on the public road network. This eliminates the potential for the build up of any mud on the vehicle that would require road cleansing.

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FIRE NOTICE

ACTION IN THE EVENT OF DISCOVERING A FIRE

1. **Raise the Alarm:**
Operate a manual call point on the fire alarm system.
2. **Call the Fire Brigade:**
Phone 999 to alert the relevant authorities that there is a fire at the facility.
3. **Evacuate the plant room**
Press the stop button on any plant in use and close all doors, if possible.
4. **Fight the fire if safe to do so using suitable extinguishing equipment**
Fires in confined spaces should be dealt with by trained personnel wearing approved breathing apparatus.
5. **Assemble:**
All personnel and site visitors will assemble at the designated fire assembly point.

ACTION IN THE EVENT OF HEARING THE FIRE ALARM.

1. **Check your immediate area for evidence of a fire.**
2. **Evacuate the plant room. Press the emergency stop button on the plant and close all doors if possible.**
3. **Assemble all personnel and site visitors at the designated fire assembly point.**

Maintenance procedures carried out daily, weekly and monthly also reduce the risk of fire occurring.

• Litter Control

The potential for litter to be produced is low. As previously outlined above all solid waste will be pre-packaged in drums or other containers. All waste will be stored in-door in specially designed storage bays. All vehicles arriving to and leaving the site will be fully enclosed.

The site will be checked daily to ensure that any litter which arises from any source will be removed.

• Traffic Control

The site is located within an industrial estate. The adjacent road (N28) provides access to and from the site.

All internal roads are designed and constructed in accordance with planning permission. There is significant room within the site to eliminate the possibility that queuing traffic would cause a nuisance.