

Attachment-4-7-3-National BAT Waste Transfer

The Ballymun Recycling Centre will be operated in accordance with the EPA's *Final Draft BAT Guidance Note on Best Available Techniques for the Waste Sector: Waste Transfer and Materials Recovery* published in December 2011.

Measures to be employed at the BRC in accordance with this BAT Guidance Note are:

Site Location and Design Considerations:

As set out in the BAT Guidance Note, *"In selecting a suitable location for a waste transfer facility...the basic requirement is that the facility will not cause environmental pollution"*. The planning application prepared for the NCOD (which includes the BRC) was accompanied by an Environmental Considerations Report which considered the potential for the proposed development to impact on the environment and identifies measures to reduce or limit these impacts. The Environmental Considerations Report is accompanied with this Waste Licence Application.

The potential emissions outlined in Section 4.2 of the BAT Guidance Note have been assessed, where relevant, in the Environmental Considerations Report.

Waste Acceptance Procedure:

A Waste Acceptance Procedure is included as Attachment-4-3-5 which sets out the measures to ensure only permitted waste types are accepted at the facility and that segregation and sorting of waste into dedicated containers is carried out. Records will be maintained of incoming and outgoing waste materials and will be reported as part of the Annual Environmental Report (AER) for the facility.

It is anticipated that the vast majority of the public will bring waste to the facility using cars and small vans. Facility staff will be in position at the entrance gate to inspect incoming waste and take payment, as appropriate. Any inappropriate incoming waste will be refused, and the customer requested to remove the unsuitable waste from the facility. A quarantine area will be identified for temporary storage of unsuitable waste.

Commercial waste will not be accepted at the facility and measures to identify potential incoming commercial waste are outlined in Appendix A of Attachment-4-3-5.

Energy Efficiency:

The BRC will use only a small quantity of power for operating waste compactors and to power the facility office. The waste compaction equipment will be maintained in good working order and serviced on a regular basis to ensure it is operating efficiently.

A Design Strategy Including Energy for the overall depot was prepared by EDC and submitted with the planning application. This document includes passive and active design measures including high insulation and air tightness standards for the building envelope, and energy-efficient mechanical, electrical and plumbing systems.

As set out in the Energy Design Strategy, by adopting a sustainable approach in design, construction and operation, the NCOD (including the BRC) aims to satisfy the requirements of the current national Regulations, NZEB Interim Performance Specification (Nearly Zero Energy Building), and local planning policy.

Minimisation of Emissions:

Emissions to Air:

Regular sweeping and cleaning of the BRC will be carried out by Council staff to reduce potential for dust arising.

Best practice waste handling procedures, regular removal of waste from site and stringent facility management will limit the potential for odour emissions.

Emissions to Water:

Surface water run-off from hard standing areas will discharge into a storm sewer system via fuel/oil interceptors to eliminate the requirement for direct discharge to surface water bodies. Figure 7.1 in the Water Section (Section 7) of the Environmental Considerations Report identifies that the closest surface water body to the site is the Santry River which is located 0.5km to the north of the site.

Surface water run-off will be attenuated in accordance with SuDS principals to control discharge into the storm sewer network.

Details of stormwater emissions are included in this Licence Application and consultation has been carried out with Irish Water during the planning process. Detailed calculations on surface water run-off from the site are provided in the Engineering Services Report provided with this Licence Application.

Emissions to Sewer:

The only emission to sewer from the BRC will be domestic effluent from the facility offices.

Noise & Vibration:

Equipment operations at the facility will be strictly limited to suitable daytime hours as set out in the Environmental Considerations Report to minimise noise impacts on the local population. Public access to the facility will be restricted to 09:00 – 17:00 (Monday to Wednesday), 09:00 – 18:00 (Thursday to Friday) and 09:00 – 16:00 (Saturdays and Bank Holidays) to reduce the impact of traffic noise on local residents.

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