

ATTACHMENT E

Emissions

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ATTACHMENT E.1

Emissions to Atmosphere

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Attachment E.1 Emissions to Atmosphere

There will be no point source emissions to air from the facility. There is the potential for minor fugitive emissions from the facility. Section 6.4 to 6.7 of the Project Description which accompanies this application describes potential emissions to atmosphere from the facility.

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ATTACHMENT E.2

Emissions to Surface Water

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Attachment E.2 Emissions to Surface Water

Surface water emission controls and mitigation are described in Section 6.1 of the Project Description which accompanies this application.

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ATTACHMENT E.3

Emissions to Sewers

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Attachment E.3 Emissions to Sewers

It is proposed to collect and remove leachate/contaminated run-off for disposal at an off-site wastewater treatment plant. Details of the leachate quality and volumes are presented in Section 4.9 of the Project Description that accompanies this application.

There is no municipal sewer in the vicinity of the proposed facility. It is proposed to install a proprietary wastewater treatment system to treat sanitary wastewater from the site offices. The treated effluent will be discharged to ground. Leachate and contaminated run-off from the composting process will be collected and recirculated in the process. Surplus leachate will be removed off-site for disposal at a local authority operated wastewater treatment plant. KTS has received agreement from Wicklow County Council to dispose of the leachate at one of its wastewater treatment plants. Details are included in Attachment B.4.

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ATTACHMENT E.4

Emissions to Groundwater

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Attachment E.4 Emissions to Groundwater

There will be no direct emissions to groundwater from the facility. The treated sanitary wastewater from the on-site effluent treatment plant will discharge to ground via a polishing filter. An assessment of the ambient hydrogeological conditions at the site and the impact of the facility on groundwater is included in Sections 3.3 and 6.1 of the Project Description that accompanies this application. The assessment concluded that the facility activities will not have a measurable impact on groundwater quality and that mitigation measures are not required.

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ATTACHMENT E.5

Noise Emissions

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Attachment E.5 Noise Emissions

Noise prediction modelling was carried out in order to assess the potential impacts of noise due to the facility. The results of this assessment are presented in Section 6.5 of the Project Description that accompanies this application.

Vibration impacts are not considered to be significant at the site. Given the size of the facility and the design of the site roads any yards, traffic within the site or plant operating on-site should not result in significant vibration impacts either on-site or off-site. Therefore, vibration mitigation measures are not considered necessary.

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ATTACHMENT E.6

Environmental Nuisances

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Attachment E.6 Environmental Nuisances

Bird Control

Birds can be attracted to waste management facilities if there is available food for them to scavenge. The wastes accepted at the facility will not contain foodstuff or other materials attractive to birds. Bird control measures will not be required.

Dust Control

Details on proposed dust control measures are presented in Section 6.6 of the Project Description that accompanies this application.

Litter Control

Site activities will not generate litter. While the incoming waste may contain paper and plastic the volumes will be negligible and will not result in litter. All materials removed from the waste during the pre-treatment and post composting screening stages will be stored in enclosed containers to minimise the potential for wind blown material.

Traffic Control

Access to and from the site will be controlled by security barriers operated by the weighbridge operator. Vehicles will be directed to the appropriate off-loading area. A car park for staff members and hardstanding areas for trucks and other vehicles will be provided. Sufficient space will be provided between the weighbridge and the entrance gate to avoid vehicle queuing on the access road.

Vermin Control

The type of waste that will be accepted at the facility and the waste processes that will be carried out are not attractive to vermin or flies and the facility will not be a source of nuisance caused by such vectors. Therefore control measures are not required.

Roads Cleansing

The access road to the site, and the hardstanding areas will be routinely cleaned to collect any green waste that may inadvertently fall from delivery vehicles.