

## ATTACHMENT C

### C.1 Technical Competence and Site Management

Greenstar are one of the leading Waste management companies currently operating in Ireland. The company employ c. 500 employees at approximately 30 waste management facilities located in Dublin, Meath, Kildare, Wicklow, Galway, Cork, Waterford, Limerick, Tipperary and Wexford. The facilities include waste recycling centres, waste transfer stations and landfills.

### C.2 Environmental Management System

An Environmental Management System (EMS) based on continual improvement will be implemented in line with the requirements of the Waste Licence.

### C.3 Hours of Operation

#### Proposed hours of operation

Site opening hours: 0730 hrs. to 1830 hrs Monday to Friday  
0800 hrs to 1400 hrs Saturday

Site open to the reception of waste : 0800 hrs to 1800 hrs Monday to Friday  
0800 hrs to 1400 hrs Saturday

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**ATTACHMENT D**

**D.2 Facility Operation**

See sections 3.3 to 3.5 of the EIS.

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## **ATTACHMENT E**

### **E.1 Emissions to Atmosphere**

See section 2.2 and 4.2 of EIS.

### **E.2 Emissions to Surface Water**

See section 2.6.2 and 4.6 of EIS

### **E.3 Emissions to Sewer**

There are no emissions to public sewer at the facility. It is proposed that any leachate or floor washdown water collected in the underground contained storage tanks will be exported off site to an appropriate wastewater treatment (WWTP) plant. The WWTP has not yet been defined and may include the local authority WWTP at Enniscorthy subject to their agreement. See section 3.2.12 of the EIS.

### **E.4 Emissions to Groundwater**

See section 4.5 of the EIS

### **E.5 Noise Emissions**

See section 2.3 and 4.3 of the EIS

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## E.6 Nuisances

### Table E.6

Bird Control-section 3.6.2 of EIS

Dust Control – sections 3.6.3 and 4.2.4 of EIS

Fire Control – section 3.10.5 of EIS

Litter Control – section 3.6.4 of EIS

Traffic Control – section 3.2.10 of EIS

Vermin Control – section 3.6.6 of EIS

Road Cleansing – The access road to the facility will be monitored on a daily basis and if required will be power swept to remove any accumulations of mud from facility traffic.

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## ATTACHMENT F

### F.1 Treatment, Abatement and Control Systems

The abatement and control systems to be employed at the facility for reducing emissions are described in section 3.6 of the EIS. Other information is provided in Section 4 of the EIS.

### F.2 Dust, Odours

Dust - See section 3.8.1 of EIS

Odours – See section 3.8.4 of EIS

### F.3 Surface Water

See section 3.8.9 of EIS

### F.4 Sewer Discharge

See section 3.8.5 of EIS

### F.5 Groundwater

See section 3.8.3 of EIS

### F.6 Noise

See sections 3.8.7 and 4.3.5 of the EIS

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## ATTACHMENT G

### **G.1 Raw materials, Substances, Preparations and Energy**

See Section 3.5.7 of EIS

### **G.2 Energy Efficiency**

See section 3.5.7 of EIS

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## ATTACHMENT H

### H.1 Hazardous Waste.

It is not proposed to accept any hazardous waste at the facility. However, it is possible that some minor quantities of hazardous waste typically comprising oil, batteries and perhaps fluorescent tubes will be inadvertently received at the site in the middle of large waste loads. These will be segregated out and stored in contained structures ready for export off site to appropriately licensed facilities (e.g. Returnbatt, Atlas Oil).

### H.2 Waste Acceptance Procedures

See sections 3.5.4, 3.5.5 and 3.5.6 of the EIS

### H.3 Waste Handling

See sections 3.5.4, 3.5.5 and 3.5.6 of the EIS

### H.4 Waste Arisings

Not applicable

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## **ATTACHMENT I**

### **I.1 Assessment of Atmospheric Emissions**

See sections 2.2 and 4.2 of the EIS

### **I.2 Assessment of Impact on Receiving Surface Water**

See sections 2.6, 4.6 and 3.7.3 of the EIS

### **I.3 Assessment of Impact of Sewage Discharge**

See section 3.8.5 of EIS

### **I.4 Assessment of Impact of Ground/Groundwater Emissions**

See section 2.5, 4.5 and 3.7.2 of the EIS

### **I.5 Ground and/or Groundwater Contamination**

See section 2.5, 4.5 and 3.7.2 of the EIS

### **I.6 Noise Impact**

See sections 2.3 and 4.3 of the EIS

### **I.7 Assessment of Ecological Impacts and Mitigation Measures**

See sections 2.7 and 4.7 of the EIS

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**ATTACHMENT J**

**J Accident Prevention and Emergency Response**

See section 3.10 of the EIS

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**ATTACHMENT K**

**K Remediation, Decommissioning, Restoration and Aftercare**

See section 3.9 of the EIS

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## ATTACHMENT L

### L.1 Section 40(4) WMA

#### L.1.1 Compliance with Emissions

##### Dust

There are no National or EU standards for dust deposition. By law the plant will be required to be in compliance with Air Pollution Act, 1987. Dust levels measured at the site were elevated when compared to the EPA recommendation of 350 mg/m<sup>2</sup>/day. However, dust levels recorded at the western and northwestern boundaries of the site (upwind) were higher than the levels recorded downwind of the site. Dust emissions are not expected to pose a problem at the upgraded facility as the entire site will be roofed-in and a dust suppression spray system installed thereby preventing the escape of any dust. A wheelwash is also planned for the facility.

##### Odours

Odours from the site have not been a problem in the past. For this reason it is not considered necessary to monitor odours at the site. There are no National or EU standards for odour emissions. In the event of receiving complaints from neighbouring premises with regard to odours, details will be taken on a complaint form and appropriate remedial action will be taken to reduce odour emissions and this action will have regard to the principles of BAT. Odours, if they arise, will also be mitigated by the use of deodorizing agents in the dust control system.

##### Noise

There are no legal limits currently in place for noise emissions from industry. The EPA have set a day-time guideline for LAeq of 55 dB(A) and a nighttime level of 45 dB(A) at sensitive locations for other similar developments. Processing all waste indoors in the proposed new recycling building will reduce noise emissions from the facility.

##### Water

The risk to groundwater posed by the activities at the site is considered insignificant and no groundwater monitoring is proposed. Processing and storing all waste inside a fully contained building with concrete floors and lower walls will serve to eliminate potential leachate generation from rainfall. Any soiled water generated from floor wash down will be contained within the building, collected to the contained underground storage tanks in the southwestern corner of the site and tankered off site to an appropriate wastewater treatment plant. Foul water from the canteen, toilets and washrooms will be treated in a proposed new wastewater treatment plant on

site and discharged to groundwater in the percolation area located adjacent to the western boundary wall. This system will ensure minimal impact on local groundwater from the facility.

### **L.1.2 Environmental Pollution**

The design and operating practices that ensures that environmental pollution is avoided are listed below.

#### **Risk to Waters is avoided by:**

- All hydrocarbon tanks will be banded.
- Only clean roof water will discharge to the surface water drains.
- All waste materials will be handled in a covered building with contained concrete floors.
- All floors within the building will be concreted.
- All foul water will be contained, collected and treated either on site or at an licensed wastewater treatment plant.

#### **Risk to the Atmosphere is avoided by:**

- The retention time of waste at the site is insufficient to allow formation of decomposition gases.
- All wastes will be processed inside the main building and dust and odours will be controlled by the dust suppression spray system.

#### **Risk to Land, Soil, Plants or Animals is avoided by:**

- Risk to land and soil beneath the site is avoided by the same controls that avoid risk to Waters as described above.

- Risk to plants and animals are avoided by location of the development removed from areas of special ecological importance. The flora and fauna in the vicinity of the site are not considered sensitive to the site activities.

**Nuisance through Noise or Litter is avoided by:**

- All wastes will be handled in a contained building and all vehicles carrying these wastes are and will continue to be covered.
- Daily litter patrols are, and will be, carried out at the site.

**Adverse effects on the country side or places of interest are avoided by:**

- Operating the site with adequate environmental controls.

**L.1.3 - Best Available Technology (BAT)**

With respect to the Greenstar facility the principle of employing BAT is being applied in respect to emissions as follows.

Greenstar has, and will, employ modern management practices and continue to commit financial resources in order to control all nuisance emissions and ensure protection of the environment. The existing modern management practices include transporting waste within covered vehicles, regularly cleaning site surfaces and regularly patrolling for litter.

The existing and proposed equipment on site such as picking lines, shredder, loading shovels, baler, compactor and weighbridge are examples of the best available technology for such facilities.

Specialist consultants have and will also be retained as required to monitor potential nuisances and all relevant environmental media set out by the EPA. The consultants will inform the company on a regular basis of improvements in pollution abatement or other relevant technology. The costs of the facility and adhering to the modern management practices will be financed from Greenstar Limited's annual revenues or short term bank loans.

## **L.2 Fit and Proper Person**

The applicant company has not been convicted of any offence under the Waste Management Act 1996.

Greenstar are one of the leading Waste management companies currently operating in Ireland. The company employ c. 500 employees at approximately 30 waste management facilities located in Dublin, Meath, Kildare, Wicklow, Galway, Cork, Waterford, Limerick, Tipperary and Wexford. The facilities include waste recycling centres, waste transfer stations and landfills.

Information on the company's accounts are enclosed.

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