



Ms. Marion Doyle,
Waste Licence Applications,
Office of Climate, Licensing & Resource Use,
Environmental Protection Agency,
Headquarters P.O. Box 3000,
Johnstown Castle Estate,
Co. Wexford

22nd March 2010

RE: Application for the Review of Waste Licence Reg. No. W0079-01
Greenstar Ltd. Unit 41, Cookstown Industrial Estate, Tallaght, Dublin 24
Article 14(2)(b)(ii) Further Information

Dear Ms. Doyle,

On behalf of Greenstar Ltd, I enclose ~~one~~ original and 2 hard copies of the response to your request under Article 14 (2)(b)(ii) relating to the application to review Waste Licence W0079-01. I also enclose two CD-ROM discs containing the response in searchable PDF format. The content of the electronic files is a true copy of the original application form.

It is expected that the information will be sufficient for the Agency to reach a decision on the application. However, should further information or clarification be required Greenstar is available to meet to discuss these at a place and time suitable to the Agency.

If you have any queries, please call me.

Yours sincerely,


Michael Watson

0904818/JMW/MS
Encl

**Article 14(2)(b)(ii) Further Information
Particulars and Evidence For**

Greenstar Ltd.

Waste Licence Application No.W0079-02

Article 12 Compliance

*For inspection purposes only
Consent of copyright owner required for any other use.*

Prepared For: -

Greenstar Ltd.,
Unit 6 Ballyogan Road,
Ballyogan Business Park,
Sandyford,
Dublin 18.

Prepared By: -

O' Callaghan Moran & Associates,
Granary House,
Rutland Street,
Cork.

22nd March 2010

TABLE OF CONTENTS

	<u>PAGE</u>
1. INTRODUCTION.....	1
2. ARTICLE 12 COMPLIANCE REQUIREMENTS.....	2
3. NON TECHNICAL SUMMARY WASTE LICENCE APPLICATION.....	16

DRAWINGS

Drawing 3 – Site Plan

Drawing 4 – Monitoring Locations

Drawing IE502-002 – Drainage Layout

ATTACHMENT 1 – Annex 1 Tables

ATTACHMENT 2 – Planning Permissions

ATTACHEMNT 3 – Waste Acceptance and Processing Procedures

ATTACHEMNT 4 – Waste Collection Permit - MSM

ATTACHMENT 5 – Surface Water Discharge Maps

ATTACHMENT 6 – Dixon Brosnan Ltd Response

1. INTRODUCTION

This document presents the response by Greenstar Ltd., Unit 41, Cookstown Industrial Estate, Tallaght, Dublin 24 to the Agency's Notice issued under Article 14(2)(b)(ii) of the Waste Management Licensing Regulations on the 24th February 2010, in relation to the application for a revised Waste Licence, Application Register No. W0079-02, for a metals and End of Life Vehicles (ELV) recovery facility at Cookstown Industrial Estate, Tallaght, Dublin 24.

Section 2 contains the responses to the Agency's requests. The response did not require an alteration to the non-technical summary. For ease of interpretation each of the Agency's requests are presented in italics followed by Greenstar's response.

*For inspection purposes only.
Consent of copyright owner required for any other use.*

2. ARTICLE 12 COMPLIANCE REQUIREMENTS

1. *In Section B. 1 provide the name and address of the lessee(s) of the land, buildings and ancillary plant at the facility. Provide the dimensions of the buildings and the site area.*

The land and buildings are leased by Midland Scrap Metal (MSM), Unit 41 Cookstown Industrial Estate Tallaght, Dublin 24 from Greenstar Ltd., Unit 6, Ballyogan Business Park, Ballyogan Road, Sandyford, Dublin 18.

The site area is 4,768.40 m² and the footprint of the buildings is 814 m². The dimensions of the main building containing the offices and portion of the internal processing area for non ferrous metals is 28 m by 16 m, while the dimensions of the waste transfer building/ELV shed is 17 m by 20 m. The layout of the buildings and site are shown on Drawing 3 Site Plan.

2. *Submit details on the number of staff currently employed and proposed to be employed.*

There are 24 staff currently employed at the facility. Provisionally, it is proposed to create 4 additional full time jobs.

3. *In Sections E, F, G, H and I complete all relevant tables in Annex 1 of the waste licence application form. Provide data for all emission points.*

As the facility has been constructed and is in operation, the actual monitoring data and mitigation measures to control emissions were described in the application document. At the time the review application was prepared it was understood that the Annex 1 forms applied to new applications and it was not mandatory that they be completed as part of review application. However, these tables have been completed and are in Attachment 1.

4. *Provide the total waste tonnage accepted at the facility in 2009. Provide details on the waste types proposed to be accepted at the facility and their approximate quantities (including ferrous metal, non-ferrous metal, wastes from electrical and electronic equipment, spent catalysts, glass waste, etc.).*

In 2009, 23,631.77 tonnes of waste was accepted at the facility. The types of wastes accepted are shown on Table 1.

Table 1 - Wastes Accepted & Consigned 2009

EWC	Description	Waste In	Waste Out	Destination
12 01 01	Swarf	504.62		
12 01 03	Non Ferrous scrap		1,210.43	FJ Church & Sons, Centenary Works, Manoc Way, Raintam, Essex, RM1 38RM, WML 80771
15 01 04	Packaging (Fe)	250.6		
	Packaging (Non Fe)	145.7		
15 01 07	Glass Bottles	511.6	58.68	Gannons Eco, Split Hill Quarries, Hazelwood, Kilbeggan, Co. Westmeath
16 01 03	Tyres		11.38	Crumb Rubber Ireland Ltd, Mooretown, Dromiskin, Dundalk, Co.Louth WP 2007/01
16 01 06	Ferrous metal from vehicles	145.98		
16 01 08	ELV metal, non ferrous	6.12		
16 01 17	Hydraulic Hoses			
16 01 20	Flat Glass –ELV	477.1		
16 02 14	Discarded WEEE - depolluted	3,004.94		
16 06 01*	Batteries	151.42	174.54	KMK Metals, Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Offaly. W0113-01
16 08 01	Catalyst	2.5		
17 02 02	Flat Glass – C&D	1,835.25	1,399.69	Vindor Glass Recycling, Lanots Lane, St. Helens, Merseyside, WA9 3EX, UJ IRE/AG010/08
17 04 01	Copper & Brass – C&D	103.03		
17 04 02	Aluminium – C&D	266.66		
17 04 03	Lead	20.6		
17 04 05	Ferrous Scrap – C&D	9,775.02		
17 04 06	Tin	0.7		
17 04 07	Mixed Metals	51.83		
17 04 11	Cable	16.16		
	Cables	163.47		
19 12 02	Ferrous scrap – Waste Facilities	6,041.92	19,657.60	EMR Recycling, Liverpool Docks, Liverpool, UK WML 50447
19 12 03	Non- Ferrous scrap – Waste Facilities	156.52		
19 12 07	Wood		11.44	AES, Kyletalesha, Portlaoise, Co. Laois W0194-02

EWC	Description	Waste In	Waste Out	Destination
19 12 12	Non metallic waste from site		272.16	AES, Kyletalesha, Portlaoise, Co. Laois W0194-02
			44.50	Greenstar Ltd., Greenogue Industrial Estate, Rathcoole, Co. Dublin W0188-01
	Total Received	23,631.77		
	Total Consigned		22,840.58	
	Total Recovered		22,568.42	
	Total Disposed		272.16	
	Recovery Rate		98.81%	

The proposed waste types and quantities codes are listed in Table 2.

Table 2 - Proposed Waste Types and Quantities

EWC	Description	Proposed Waste In*
12 01 01	Swarf	1,000
15 01 04	Packaging (Fe)	1,000
	Packaging (Non Fe)	1,000
16 01 03	Tyres	500
16 01 04*	ELVs	10,000
16 01 06	Ferrous metal from vehicles	2,500
16 01 18	ELV metal non ferrous	2,000
16 01 17	Hydraulic Hoses	500
16 01 20	Flat Glass –ELV	1,000
16 02 14	Discarded WEEE - depolluted	4,000
16 02 16	WEEE Components	900
16 06 01*	Batteries	500
16 08 01	Catalyst	100
17 02 02	Flat Glass – C&D	3,000
17 04 01	Copper & Brass – C&D	1,000
17 04 02	Aluminium – C&D	1,000
17 04 03	Lead	1,000
17 04 04	Zinc	1,000
17 04 05	Ferrous Scrap – C&D	4,000
17 04 06	Tin	1,000
17 04 07	Mixed Metals	2,000
17 04 11	Cable	1,000
19 12 02	Ferrous scrap – Waste Facilities	4,000
19 12 03	Non- Ferrous scrap – Waste Facilities	4,000
20 01 36	WEEE	2,000
20 01 40	Metals	10,000
Total		60,000

*Estimate Only. Based on Market Conditions

The destinations currently used are shown in Table 3. Additional authorised facilities may be used depending on market conditions.

Table 3 – Proposed Destinations

Final Recovery or Disposal Destination	Waste Licence or Permit	Waste Type Accepted
AES, Kyletalesha, Portlaoise, Co. Laois	W0194-02	Non metallic waste
Crumb Rubber Ireland Ltd, Mooretown, Dromiskin, Dundalk, Co.Louth	WP 2007/01	Tyres
EMR Recycling, Liverpool Docks, Liverpool, UK	WML 50447	WEEE
FJ Church & Sons, Centenary Works, Manoc Way, Raintam, Essex, RM1 38RM,	WML 80771	Metal
Gannons Eco, Split Hill Quarries, Hazelwood, Kilbeggan, Co. Westmeath	N/A	Glass
Greenstar Ltd., Greenogue Industrial Estate, Rathcoole, Co. Dublin	W0188-01	Non metallic waste
KMK Metals, Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Offaly.	W0113-01	Batteries
Vindor Glass Recycling, Lanots Lane, St. Helens, Merseyside, WA9 3EX, U.K.	IRE/AG010/08	Glass

5. Complete Table H.1 (i) and H.1(ii) regarding waste recovery/disposal for all waste types; include the EWC codes and reuse, recovery and/or disposal routes of each waste type.

It is understood that Tables H.1 (i) and H.1 (ii) relate to waste arising from the activity. As described in Section 12.1 (n) and 12.1(o) of the application, the facility will generate small volumes of office and canteen wastes. The licensee operates a source segregation policy to maximise the recovery of potential recyclables from the office/canteen waste. All recovered materials are transferred off-site to Agency or Local Authority approved and licensed/permitted recovery/recycling facilities. Waste oils generated during plant, vehicle maintenance and de-pollution of ELVs is collected and sent off-site for recovery. Estimates of hazardous wastes to be removed offsite are included in Attachment 1.

The proposed waste types, quantities and proposed destinations are included in response to request No. 4.

6. Provide a copy of the most recent planning permission for the facility including conditions.

A copy of the most recent Planning Permission for the site, SD03A/0880, is included in Attachment 2. This permission was for the redevelopment of the site and has now expired. The previous planning permissions for the facility are also included in Attachment 2.

7. If waste is proposed to be accepted directly from customers provide details on the waste types to be accepted and the estimated quantities. Provide details of access, acceptance procedures, waste handling, processing and storage.

The waste types and proposed tonnages were provided on Table H.1.(c) of the application as required under Article 12(1)(g). The relevant sections of the application document, including Table H,1.(c) is below.

‘The total quantity of wastes accepted will be 60,000 tonnes per annum, which is significantly less than the amount authorised under the current Licence. Of this, approximately 45,000 tonnes will be metals from C&I and C&D sources, approximately 10,000 tonnes will be ELVs and the remaining approximate 5,000 tonnes from individual householders (Refer to Table H.1(c)).’

Table H.1 (c) Waste Types and Quantities

WASTE TYPE	TONNES PER ANNUM (existing)	TONNES PER ANNUM (proposed)	TOTAL (over life of site) tonnes
Household	0	5,000	Not Applicable
Commercial	23,500	25,000	Not Applicable
Sewage Sludge			Not Applicable
Construction and Demolition	100,000	10,000	Not Applicable
Industrial Non-Hazardous Sludges			Not Applicable
Industrial Non-Hazardous Solids	20,000	10,000	Not Applicable
Hazardous *(Specify detail in Table H 1.2)		10,000	Not Applicable
Inert Waste imported for restoration purposes			COMPLETE FOR LANDFILL & CONTAMINATED LAND FACILITIES ONLY

The volumes and sources for the proposed waste streams are also shown on Table 2 above e.g. 20 01 40 is waste from households and commercial enterprises (10,000 tonnes per annum).

There will be no change to the waste acceptance access, waste handling, processing & storage procedures currently applied at the site. A copy of the Waste Acceptance Procedure is included in Attachment 3.

Customers will only be able to access the yard via the weighbridge. All materials are inspected, weighed and customers will receive payment by weight for the product that they bring to the yard.

The proposed operating procedures were described in Section 12(1) i of the review application and are reiterated here. The metals are sourced from construction and demolition sites, industries that use and manufacture metal products, other waste recovery facilities, and individual householders and commercial enterprises that generate once off metal wastes. ELVs are not currently accepted, though a dedicated de-pollution area has been constructed inside the transfer station building. It is expected that up to 60,000 tonnes of metals and ELVs will be accepted annually.

In general, all deliveries to the site are subject to rigorous inspection upon arrival to confirm that they are suitable. A fundamental difference between the former and present day activity is the nature of the transaction between the operator and transfer station customer.

Whilst formerly, the operator was paid to accept C&I or C&D material at the site, the operator now pays for all of the unprocessed scrap metal that will be accepted. The processed metal is then sold to specialist recycling facilities. This ensures that the operator is encouraged to have strict procedures in place ensuring that unsuitable materials with no commercial value are not accepted.

Large commercial users of the site are subjected to initial off-site waste characterisation. Correspondence is issued to the customer relating to the exact description of the metal material (including relevant EWC codes) prior to acceptance at the facility. A full visual inspection is carried out at the inspection area upon entry to the facility. Any non-conforming material is re-loaded onto the vehicle immediately. If further non-conforming material is subsequently found then this material is photographed and quarantined for recovery or disposal at an appropriate facility. Where the customer is identified, a relevant charge is apportioned for removal of the material in question.

For skip waste, a full visual inspection occurs at the source of collection. Contaminated material is removed prior to delivery of the material to the site. If some contaminated material is found to remain upon tipping at the facility, then this material is directed to the waste quarantine area for appropriate disposal or recovery.

Essentially waste materials are purchased from customers and waste acceptance procedures employed at the site are reflective of the necessity to ensure that only suitable i.e., fully recyclable, non hazardous metals are purchased. For example,

fridges or freezers that could contain CFC's are not accepted at the facility. In a similar manner, metal that is contaminated with PCBs is not accepted. The procedures outlined above are used to ensure that the only white goods accepted are certified as 'de-polluted' and comprise washing machines from KMK Metals.

For large commercial customers, a specific procedure is in place that includes a requirement for the Sales Representative to fully explain the waste acceptance procedure and to issue the customer with a list of acceptable waste types.

In the case of a driver picking up a skip from a smaller scale customer, procedures are in place to ensure that contaminated material is not lifted. The driver, in this instance, inspects the waste prior to lifting the skip. If there is unacceptable waste in the load, the driver must contact the Recycling Manager before lifting. If there is hazardous waste in the load, the driver will not lift the load until the customer has removed the hazardous waste.

The skip load is further inspected upon delivery to the site and any unsuitable waste is photographed and removed to the quarantine area. The customer is contacted by the Environment Manager who applies the appropriate charge for handling and safe disposal/recovery at an authorised outlet. In the case of casual customers, following inspection of the load, identified hazardous waste such as PCB contaminated metal is not accepted.

8. *Provide a copy of any waste collection permits currently held by Midland Scrap Metal Limited. Provide details of waste collection including the number of skips and waste vehicles operating from the facility.*

A copy of the National Waste Collection Permit is in Attachment 4. MSM operate a fleet of 7 vehicles which consist of 3 hook lift skip trucks, 2 chain lift skip trucks and 2 articulated lorries. MSM have access to a further 4 hook lifts skip trucks and an articulated lorry with a self loading grab. The number of skips in use at the facility is given on Table 4 below.

Table 4

Type	Approx dimensions (m)	Tare weight	Capacity	Number available
Roll on Skip	6x2.4x1	2.5t	14.4m ³	4
Roll on Skip	6x2.4x1.5	2.75t	21.6m ³	>20
Roll on Skip	6x2.4x2.1	3t	36.24 m ³	>20
Skip (chain lift)	2.4x2.1x1	600kg	4.6 m ³	12
Skip (chain lift)	2.4x2.1x1.5	900kg	7.6 m ³	>20
Skip (chain lift)	2.4x2.1x2.1	1.25 t	10.7 m ³	>20

9. *Provide details of the relationship between the licensee (Greenstar Limited) and the day to day operator (Midland Scrap Metal Limited). Provide a description of the waste management experience of Midland Scrap Metal Limited.*

MSM lease the site from Greenstar Ltd and are responsible for the day to day operation and facility management. Mr. Con Ward and Mr. Anthony Ward (MSM Directors) have both been involved in the waste management industry for over thirty years. Mr. Eamonn Mitchell (Facility Manager) has 15 years waste management experience and has completed 8 FETAC Waste Management Modules. Mr. Jason Ward (Deputy Facility Manager) has 6 years waste management experience. Ms. Rose Lloyd (Facility Environmental Manager) has 2 years waste management experience, and an MSc in Environmental Sciences.

10. *Submit numbered fully labelled scaled drawings showing the following:*

Site layout, buildings and external areas;
Internal layout of buildings;
Storage areas (internal and external) for raw materials and wastes, including skips;
External processing areas for metals;
Location of waste accepted from householders;
Storage areas for end-of-life vehicles prior to and following depollution;
Locations of all fuel and chemical storage areas and location of all bunded areas;
Location of spill kits;
Amended location of noise sensitive receptors.

A copy of Drawing 4 Site Plan is included in Attachment Drawings.

11. *Provide details of facility security, including whether there is CCTV in place.*

CCTV security is in place. There is only one entrance to the waste processing area of the site and this is closed and locked when the facility is closed. The facility is also served by an external security contractor (Netwatch Ltd) who monitors the facility routinely when closed.

12. *Provide details of the foul and storm water drainage system on site.*

Resubmit the drainage map of the site, which clearly indicates foul and surface water drainage, silt traps, interceptors and where drains or channels are no longer in place. Indicate the 'part of the site near the southern boundary' referred to as draining to the surface water system.
Propose an alternative location for surface water monitoring (SW- 1) as close as possible to the site boundary, indicate its location on the drainage drawing and provide its grid reference.

A copy of the revised drainage drawing (IE502-002) showing the foul (red lines) and surface water (blue lines) layout and revised Drawing 3 Monitoring Locations showing an alternative location for SW1 are enclosed in Attachment Drawings.

Provide the route from the surface water drainage system to the receiving waters (including a suitably scaled map).

Surface water run-off from the site (rainfall on roofed areas, car park area to the front of the administration building and the southern boundary of the site) discharges to a 1050 mm municipal storm sewer, controlled by South Dublin County Council (Council). The Council have provided maps showing the discharge from the Cookstown Industrial Estate to an open stream approximately 1km south east of the facility to the rear of premises on Airton Road. This stream then discharges to Tymon ponds approximately 10-12 km to the east of the facility. It is understood that the roof and paved areas of hundreds of industrial units in the Cookstown Industrial Estate discharge at this location. Copies of the Council maps are included in Attachment 5.

Provide an assessment of the impact of emissions on the receiving environment prior to diversion of surface water emissions to sewer.

Background:

From the beginning of operations in 1997 up to April 2009, surface water from the yard and roofed areas entered the site's surface water drainage system via gullies in the yard and discharged to the municipal surface water sewer, as described above. The current Waste Licence does not require surface water monitoring, however in Q2 2005 Greenstar proposed, following consultation with the Agency, to conduct weekly surface water monitoring at the final discharge point to the storm drain. In Q4 2005, the Agency allowed Greenstar to reduce the frequency from weekly to monthly and revised the suite of analytical parameters as the results were consistent and satisfactory.

Greenstar ceased operations at the facility in April 2006 and the final surface water monitoring event was carried out in Q3 2006. The results indicated that the water quality was satisfactory. There were no records of incidents, spills etc to the surface water drainage system up to that time which could have impacted significantly on the storm sewer or receiving water.

Between April 2006 and December 2008 no waste activities were carried out and therefore there was limited risk of potential contamination of the surface water discharge.

Greenstar leased the facility to MSM in December 2008. Operations resumed at the facility at that time and, following consultation and agreement with the Agency, the drainage layout was altered in April 2009 to direct run-off from external processes areas to the municipal foul sewer.

Between December 2008 and April 2009 run-off from all the paved yard areas discharged to the municipal storm sewer. It should be noted however that MSM operations were just beginning at this time and the volumes of waste handled during this period was relatively small.

Impact Assessment:

Surface water emission monitoring is not required by the Licence and so there are no surface water quality data available. The likely volume of any discharge during this period is however considered low. The open yard area now directed to the foul system is approximately 2,718 m². During this four month period approximately 183 mm of rainfall occurred, which equates to a discharge volume of approximately 497 m³ to the storm sewer and ultimately to the open stream approximately 2 km from the facility and Tymon ponds located a further 10 km away.

The municipal storm sewer serving the site also serves the Cookstown Industrial Estate which comprises several hundred units including roofed areas, paved areas and the access roadways of the estate. The volume of the discharge to the open stream during those four months is likely to have been tens of thousands of m³.

It is considered that the potential impacts on the receiving environment were insignificant in terms of the volume and likely quality during this time period. There are no records of any incidents such as leaks or spills which may have occurred during this time to impact significantly on the receiving waters.

13. Provide design specifications for any oil separators and silt traps on-site.

Appendix 3 of the application document included a description of the upgrade to the drainage arrangements in the paved yard areas as agreed with the Agency. Details on the silt traps and interceptors are included with this submission.

14. Noise emissions

Give particulars of the source, location, nature, level, and the period or periods during which the noise emissions are made for the current activities. Provide details of noise attenuation and control measures currently employed. Taking into account developments in the vicinity of the site, provide an up to date assessment of the nearest noise sensitive locations (NSL5) to the site, stating their distance from the site boundary. Show the NSLs on a map with their grid references. Assign new reference points where necessary. For the current activities (including processing of metals outdoors) carry out an assessment of the impact on the noise sensitive locations. Provide details of mitigation measures where relevant.

Attachment 6 includes a response from acoustic consultants Dixon Brosnan Ltd. Three noise surveys have been completed by Dixon Brosnan Ltd since MSM began operations in January 2009. The surveys included assessments of the noise emissions on the nearest Noise Sensitive Location (NSL) to the facility, which Dixon Brosnan identified, based on an area reconnaissance, as Tallaght Hospital.

15. Provide dust monitoring results for October to December 2009. Provide monitoring results for the emission to sewer for 2009.

Dust monitoring results from October 2009 to the most recent available January 2010 are shown on Table 5.

Table 5 - Dust Monitoring Results October 2009 to January 2010

	Oct-09	Nov-09	Dec-09	Jan-10
D1	172.5	71.5	*	389.0
D2	442.2	255.1	*	225.1
D3	203.4	79.4	*	96.4

* - Dust Gauges broken due to extreme weather conditions

There was an exceedence of the Emission Limit Value (ELV) at D2 in October 2009 and a marginal exceedence at D1 in January 2010. Both results were reported to the Agency. The facility is in an industrial estate and there are no nearby sensitive receptors. Although the facility was not operational between April 2006 and November 2008, dust monitoring was carried out until July 2007. This identified a number of exceedances of the deposition limit, indicating that there are significant off-site sources of dust.

Foul Sewer Monitoring Results:

Prior to the most recent alteration to the drainage layout emissions to the sewer were monitored at two locations (E-1 and E-3). E-1 was at the discharge from the vehicle wash bay and E-3 was at the discharge from the waste transfer building.

The monitoring was completed on the 2nd February 2009. The results are shown on Table 6 and are compared to the emission limit values set in the Waste Licence. All parameters for both locations complied with the emission limit values.

Table 6 - Sewer Monitoring Results February 2009

Parameter	Units	E1	E3	Waste Licence
				No. W0079-01
				Emission Limit Value
pH	pH Units	7.44	7.36	6 to 10
Temperature	°C	3.4	3.9	42°C
Ammoniacal Nitrogen	N mg/l	2.20	0.50	70
BOD	mg/l	7	9	2,000
COD	mg/l	85	44	4,000
Total Suspended Solids	mg/l	97	40	700
Oils, Fats & Greases	mg/l	2.126	3.319	100
Surfactants	mg/l	0.7	0.8	100
Sulphate	mg/l	32.26	32.37	1000

The changes to the drainage system resulted in alteration to the emission monitoring points and the wastewater discharge is now monitored at one location (SE-1). The monitoring was completed on the 8th June, 3rd September and 3rd December 2009. The results are included on Table 7 and are compared to the emission limit values set in the Waste Licence. All parameters were within the limits.

Table 7 - Sewer Monitoring Results Q2-Q4 2009

Parameter	Units	SE 1 Q2	SE-1 Q3	SE-1 Q4	ELV
pH	pH Units	7.98	7.81	7.95	6 to 10
Temperature	°C	12.6	13.5	6	42°C
Ammoniacal Nitrogen	N mg/l	1.21	2.37	2.8	70
BOD	mg/l	47	43	60	2,000
COD	mg/l	162	201	970	4,000
Total Suspended Solids	mg/l	29	41	<10	700
Oils, Fats & Greases	mg/l	1.73	0.237	1.581	100
Surfactants	mg/l	2.6	0.5	2.3	100
Sulphate	mg/l	167	142.9	146.8	1000
Mineral Oil	mg/l	0.35	<0.01	0.16	

16. *Supply further details on acceptance and processing of end of life vehicles (ELVs).*

Clarify the source of ELVs;

Provide details of ELV storage (location and capacity) prior to and following depollution;

Provide details of the storage of the depolluted parts including oil contaminated parts, glass, tyres, batteries, plastic components, and metals.

Provide details of the drainage infrastructure in the depollution area. Include provision for spillage collection, decanting and degreasing.

Provide details of the management of refrigerants.

Provide an estimate of quantities of residual fuel, lubricants, brake fluid, antifreeze, batteries and tyres generated and the destination of each (See Table H.1.)

Outline any potential noise impacts due to air bag deployment.

ELVs will be sourced from individual, commercial customers and other waste management facilities as described in the response to Request 4.

Storage: ELV storage locations are shown on Drawing 4 Site Plan. Up to 12 cars will be stored inside the ELV shed, before de-pollution. There will be storage for up to 6 cars outside, adjacent to the baling machine, for de-polluted ELV. It is envisaged that cars will be baled as soon as the de-pollution is finished. Once the vehicles have been baled, they will be stored in the stock pile of baled metals prior to dispatch from the yard.

Oil contaminated parts storage: The only oil contaminated parts that will be removed from the vehicle will be the oil filter. This will be drilled out and the oil removed during the depollution process. Filters will be crushed after the oil has been removed, and stockpiled pending removal offsite to an appropriate facility.

Glass: No glass will be removed from the vehicles.

Batteries: Batteries will be removed and stored, inside the “warehouse” in UN approved battery boxes prior to dispatch to KMK Metals or any other approved destination.

Plastic components: No plastic components will be removed from the vehicles.

Metals will be baled and sold on recovery and recycling to approved destinations. The storage areas are shown on Drawing 4 Site Plan.

Refrigerants: MSM will use the autodrain refrigerant gas removal system, and the refrigerant gas will be collected by and removed to a licensed facility.

Noise (from the deployment of airbags): There will be limited noise associated with the deployment of airbags. The noise from the airbags will not be audible at the yard perimeter. It is proposed to deploy air bags inside the transfer station building which will provide mitigation against any potential impacts.

The building floor is concrete and is graded towards the front of the shed, so that run-off will drain towards the gully in the yard. There will be no decanting of liquids in the ELV shed, all tanks will be emptied by way of a suction tanker. Spill kits will be positioned within the ELV shed, these will contain absorbent sheets, absorbent granules and booms to cope with spills if they were to occur. There will be no degreasing in the de-pollution operation.

17. For the most recent year available provide the water use (m³/day), oxyacetylene use and other fuels not already provided in the application. Clarify if the use of resources is likely to change for the proposed activities.

In general, the use of resources will not change for the proposed activities. A small increase in diesel use is expected when depolluting the ELV on site owing to the increase in transport around the site and use of the baling machine.

Table 8 - Resource Use 2009

Resource	Usage
Water	400 m ³ per annum
Diesel	58,685 litres
Propane	1047 kg.
Heating oil	1075 litres

18. Provide details of all boilers on site, including thermal input, location, fuel type and use.

There are no boilers used in waste processing activities. There is one boiler used to heat the office building which uses heating oil.

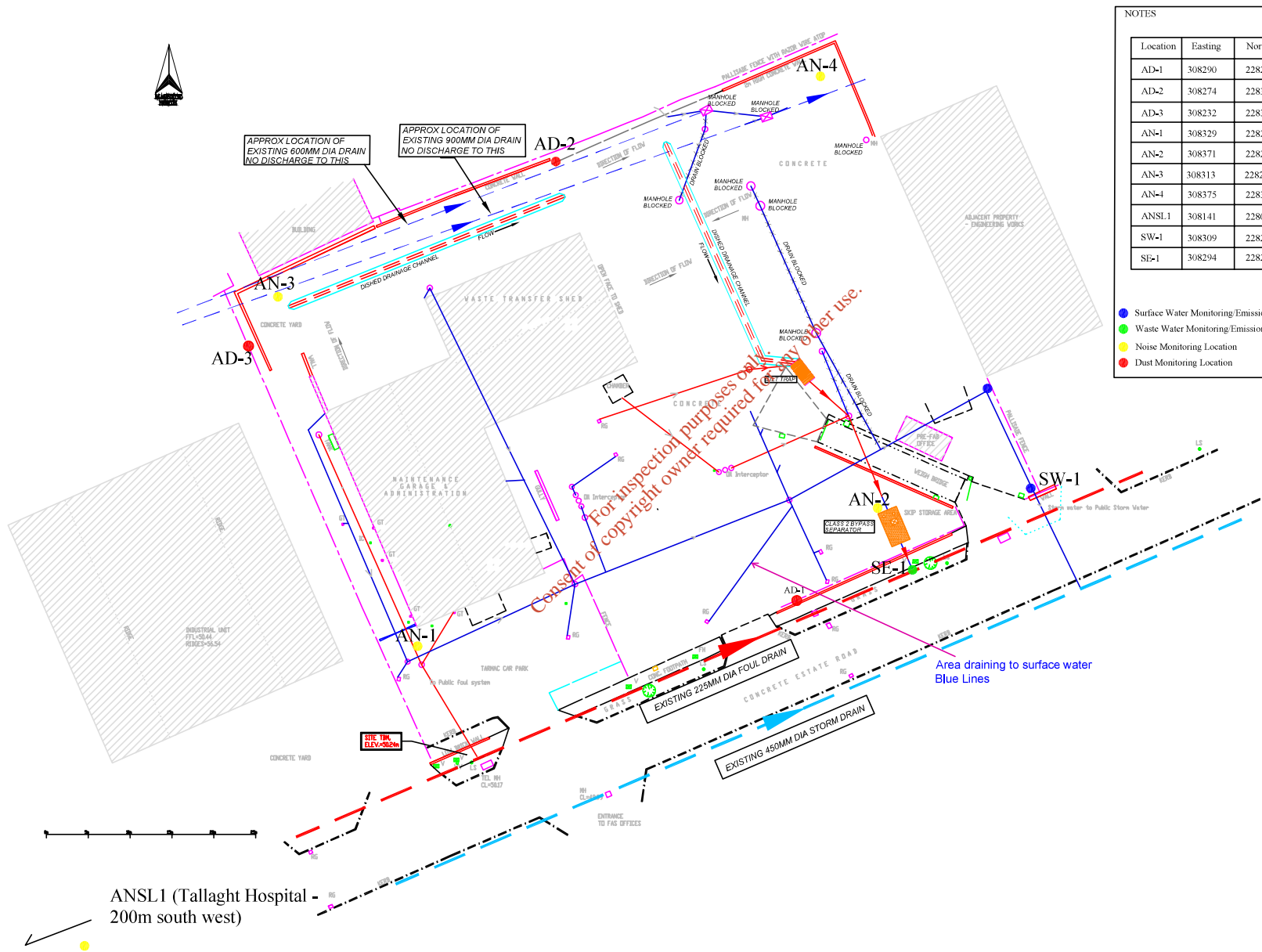
3. NON TECHNICAL SUMMARY WASTE LICENCE APPLICATION

The information provided in Section 2 does not significantly alter the information provided in the non-technical summary which contains the information specified in Article 12 (1) (u) of the Waste Management (Licensing) Regulations, 2004 (S.I. No. 395 of 2004).

*For inspection purposes only.
Consent of copyright owner required for any other use.*

DRAWINGS

*For inspection purposes only.
Consent of copyright owner required for any other use.*




NOTES

Location	Easting	Northing
AD-1	308290	228276
AD-2	308274	228350
AD-3	308232	228312
AN-1	308329	228235
AN-2	308371	228265
AN-3	308313	228291
AN-4	308375	228317
ANSL1	308141	228042
SW-1	308309	228285
SE-1	308294	228288

● Surface Water Monitoring/Emission Location
● Waste Water Monitoring/Emission Location
● Noise Monitoring Location
● Dust Monitoring Location

ANS1 (Tallaght Hospital - 200m south west)

REV	DATE	DESCRIPTION	DRN	CHKD	APP
 O' Callaghan Moran & Associates. Granary House, Rutland Street, Cork, Ireland. Tel: (021) 4321521 Fax: (021) 4321522 email: info@oocallaghanmoran.com					
CLIENT					
Greenstar Ltd.					
TITLE					
Monitoring & Emission Locations					
SCALE	FIGURE No.				REV.
1:500	3				

ATTACHMENT 1

Annex 7 Tables

*For inspection purposes only.
Consent of copyright owner required for any other use.*

TABLE E.1(i) LANDFILL GAS FLARE EMISSIONS TO ATMOSPHERE
Emission Point:

Not Applicable

TABLE E.1(ii) MAIN EMISSIONS TO ATMOSPHERE (1 Page for each emission point)

Not Applicable

TABLE E.1(iii): MAIN EMISSIONS TO ATMOSPHERE - Chemical characteristics
of the emission (1 table per emission point)

Not Applicable

TABLE E.1(iv): EMISSIONS TO ATMOSPHERE - Minor /Fugitive

Not Applicable

TABLE E.2(i): EMISSIONS TO SURFACE WATERS
 (One page for each emission)

Emission Point:

Emission Point Ref. N ^o :	SW-1
Source of Emission:	Surface water run-off from yard
Location :	South east corner of the facility
Grid Ref. (10 digit, 5E,5N):	3082 E, 2282 N
Name of receiving waters:	Not Applicable,
Flow rate in receiving waters:	Unknown –Municipal Storm Sewer _____ m ³ .sec ⁻¹ ¹ Dry Weather Flow Unknown – Municipal Storm Sewer _____ m ³ .sec ⁻¹ 95%ile flow
Available waste assimilative capacity:	Unknown kg/day Likely to be significant

Emission Details:

(i) Volume to be emitted			
Normal/day	Rainfall dependent m ³	Maximum/day	125 m ³
Maximum rate/hour	5.2 m ³		

(ii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

Periods of Emission (avg)	Rainfall dependent _____ min/hr hr/day _____ day/yr
---------------------------	--

For inspection purposes only.
Consent of copyright owner required for any other use.

TABLE E.2(ii): EMISSIONS TO SURFACE WATERS - Characteristics of the emission (1 table per emission point)

Emission point reference number : SW-1

Parameter	Prior to treatment				As discharged				% Efficiency
	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	
<u>Ammoniacal Nitrogen</u>					<u>0.5</u>	<u>0.5</u>	<u>0.002</u>	<u>0.75</u>	
<u>BOD</u>					<u>25</u>	<u>25</u>	<u>0.10</u>	<u>37</u>	
<u>COD</u>					<u>40</u>	<u>40</u>	<u>0.16</u>	<u>60</u>	
<u>Total Suspended Solids</u>					<u>35</u>	<u>35</u>	<u>0.14</u>	<u>52</u>	
<u>Oils, Fats & Greases</u>					<u>5</u>	<u>5</u>	<u>0.02</u>	<u>7.5</u>	
<u>Mineral Oils</u>					<u>5</u>	<u>5</u>	<u>0.02</u>	<u>7.5</u>	

TABLE E.3(i): EMISSIONS TO SEWER(One page for each emission)

Emission Point:

Emission Point Ref. N ^o :	SE-1
Location of connection to sewer :	Footpath at southern boundary of facility.
Grid Ref. (10 digit, 5E,5N):	3082E, 2282N
Name of sewage undertaker:	South Dublin County Council

Emission Details:

(i) Volume to be emitted			
Normal/day	Rainfall Dependent m ³	Maximum/day	164 m ³
Maximum rate/hour	6.8 m ³		

(ii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

Periods of Emission (avg)	Rainfall Dependent _____ min/hr hr/day _____ day/yr
---------------------------	--

TABLE E.3(ii): EMISSIONS TO SEWER - Characteristics of the emission (1 table per emission point)

Emission point reference number : SE-1

Parameter	Prior to treatment				As discharged				% Efficiency
	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	
Ammoniacal Nitrogen					<u>70</u>	<u>70</u>	<u>0.38</u>	<u>139.27</u>	
BOD					<u>2000</u>	<u>2000</u>	<u>10.9</u>	<u>3979.15</u>	
COD					<u>4000</u>	<u>4000</u>	<u>21.8</u>	<u>7958.30</u>	
Total Suspended Solids					<u>700</u>	<u>700</u>	<u>3.81</u>	<u>1392.7</u>	
Oils, Fats & Greases					<u>100</u>	<u>100</u>	<u>0.55</u>	<u>198.96</u>	
Surfactants					<u>100</u>	<u>100</u>	<u>0.55</u>	<u>198.96</u>	
Sulphate					<u>1000</u>	<u>1000</u>	<u>5.45</u>	<u>1989.57</u>	
Mineral Oils					<u>100</u>	<u>100</u>	<u>0.55</u>	<u>198.96</u>	

TABLE E.4(i): EMISSIONS TO GROUNDWATER (1 Page for each emission point)

Emission Point or Area:

Not Applicable

TABLE F.1: ABATEMENT / TREATMENT CONTROL

Emission point reference number : SE-1

Control ¹ parameter	Equipment ²	Equipment maintenance	Equipment calibration	Equipment back-up
	Silt trap Interceptor	Cleaned regularly Cleaned Regularly	Not Required Not Required	

Control ¹ parameter	Monitoring to be carried out ³	Monitoring equipment	Monitoring equipment calibration

- ¹ List the operating parameters of the treatment / abatement system which control its function.
² List the equipment necessary for the proper function of the abatement / treatment system.
³ List the monitoring of the control parameter to be carried out.

Consent of copyright owner required for any other use.

Emission point reference number : SW-1

Control ¹ parameter	Equipment ²	Equipment maintenance	Equipment calibration	Equipment back-up
	Silt trap Interceptor	Cleaned regularly Cleaned Regularly	Not Required Not Required	

Control ¹ parameter	Monitoring to be carried out ³	Monitoring equipment	Monitoring equipment calibration

¹ List the operating parameters of the treatment / abatement system which control its function.

² List the equipment necessary for the proper function of the abatement / treatment system.

³ List the monitoring of the control parameter to be carried out.

For inspection purposes only.
Consent of copyright owner required for any other use.

TABLE F.2 to F.8 : EMISSIONS MONITORING AND SAMPLING POINTS
- (1 table per media)

Emission Point Reference No(s) : _____ SW-1 _____

Parameter	Monitoring frequency	Accessibility of Sampling Points
pH	Quarterly	Good
Conductivity	Quarterly	Good
Ammoniacal Nitrogen	Quarterly	Good
BOD	Quarterly	Good
COD	Quarterly	Good
Total Suspended Solids	Quarterly	Good
Oils, Fats & Greases	Quarterly	Good
Mineral Oils	Quarterly	Good

Emission Point Reference No(s) : _____ SE-1 _____

Parameter	Monitoring frequency	Accessibility of Sampling Points
pH	Quarterly	Good
Ammoniacal Nitrogen	Quarterly	Good
BOD	Quarterly	Good
COD	Quarterly	Good
Total Suspended Solids	Quarterly	Good
Oils, Fats & Greases	Quarterly	Good
Surfactants	Quarterly	Good
Sulphate	Quarterly	Good
Mineral Oils	Quarterly	Good

TABLE Ff: Fugitive ENVIRONMENT MONITORING AND SAMPLING LOCATIONS (1 table per media)

Monitoring Point Reference No : AD-1, AD-2, AD-3

Parameter	Monitoring frequency	Accessibility of Sampling point
Dust	Monthly	Good

*For inspection purposes only.
Consent of copyright owner required for any other use.*

Table G.1 Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site

Ref. N° or Code	Material/ Substance⁽¹⁾	CAS Number	Danger⁽²⁾ Category	Amount Stored (tonnes)	Annual Usage (tonnes)	Nature of Use	R⁽³⁾ - Phrase	S⁽³⁾ - Phrase
	Diesel Kerosene Propane			1-2	50 1 1	Fuel for plant used on site Office Heating Metal Cutting	R50 R50 R50	

- Notes:
1. In cases where a material comprises a number of distinct and available dangerous substances, please give details for each component substance.
 2. c.f. Article 2(2) of SI N° 77/94
 3. c.f. Schedules 2 and 3 of SI N° 77/94

For inspection purposes only.
Consent of copyright owner required for any other use.

TABLE H.1(i): WASTE - Hazardous Waste Recovery/Disposal

Waste material	EWC Code	Main source ¹	Quantity		On-site Recovery/Disposal (Method & Location)	Off-site Recovery, reuse or recycling (Method, Location & Undertaker)	Off-site Disposal (Method, Location & Undertaker)
			Tonnes / month	m ³ / month			
Diesel	13 07 01*	ELVs		0.3			Enva, Portlaoise
Petrol	13 07 02*	ELVs		0.3			Enva, Portlaoise
Lubricants	13 07 03*	ELVs		1.0			Enva, Portlaoise
Brake Fluid	16 01 13*	ELVs		0.05			Enva, Portlaoise
Antifreeze	16 01 14*	ELVs		1.0			Enva, Portlaoise
Batteries	16 06 01*	ELVs	1				KMK Metals
Tyres	16 01 03	ELVs	3				Crumb Rubber
Regrigerant	14 06 01*	WEEE	0.5				BOC

For inspection purposes only.
Consent of copyright owner required for any other use.

¹ A reference should be made to the main activity / process for each waste.

Table I.2(i) SURFACE WATER QUALITY

(Sheet 1 of 2) Monitoring Point/ Grid Reference: SW-1

Parameter	Results (mg/l)				Sampling method ² (grab, drift etc.)	Normal Analytical Range ²	Analysis method / technique
	May 2009	Date	Date	Date			
pH	8.23				Grab		
Temperature					Grab		
Electrical conductivity EC	0.597				Grab		
Ammoniacal nitrogen NH ₄ -N	0.17				Grab		
Chemical oxygen demand	29				Grab		
Biochemical oxygen demand	5				Grab		
Dissolved oxygen DO	-						
Calcium Ca	-						
Cadmium Cd	-						
Chromium Cr	-						
Chloride Cl	-						
Copper Cu	-						
Iron Fe	-						
Lead Pb	-						
Magnesium Mg	-						
Manganese Mn	-						
Mercury Hg	-						

For inspection purposes only. Consent of copyright owner required for any other use.

Surface Water Quality (Sheet 2 of 2)

Parameter	Results (mg/l)				Sampling method (grab, drift etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
Nickel Ni	-						
Potassium K	-						
Sodium Na	-						
Sulphate SO ₄	-						
Zinc Zn	-						
Total alkalinity (as CaCO ₃)	-						
Total organic carbon TOC	-						
Total oxidised nitrogen TON	-						
Nitrite NO ₂	-						
Nitrate NO ₃	-						
Faecal coliforms (/100mls)	-						
Total coliforms (/100mls)	-						
Phosphate PO ₄	-						

For inspection purposes only.
 Consent of copyright owner required for any other use.

Table I.4(i) GROUNDWATER QUALITY - NOT APPLICABLE

(Sheet 1 of 2) Monitoring Point/ Grid Reference: _____

Parameter	Results (mg/l)				Sampling method (composite etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
pH							
Temperature							
Electrical conductivity EC							
Ammoniacal nitrogen NH ₄ -N							
Dissolved oxygen DO							
Residue on evaporation (180°C)							
Calcium Ca							
Cadmium Cd							
Chromium Cr							
Chloride Cl							
Copper Cu							
Cyanide Cn, total							
Iron Fe							
Lead Pb							
Magnesium Mg							
Manganese Mn							
Mercury Hg							
Nickel Ni							
Potassium K							
Sodium Na							

For inspection purposes only. Consent of copyright owner required for any other use.

GROUNDWATER QUALITY (SHEET 2 OF 2)

Parameter	Results (mg/l)				Sampling method (composite, dipper etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
Phosphate PO ₄							
Sulphate SO ₄							
Zinc Zn							
Total alkalinity (as CaCO ₃)							
Total organic carbon TOC							
Total oxidised nitrogen TON							
Arsenic As							
Barium Ba							
Boron B							
Fluoride F							
Phenol							
Phosphorus P							
Selenium Se							
Silver Ag							
Nitrite NO ₂							
Nitrate NO ₃							
Faecal coliforms (/100mls)							
Total coliforms (/100mls)							
Water level (m OD)							

For inspection purposes only.
Consent of copyright owner required for any other use.

Table I.6(i) Ambient Noise Assessment

See Noise Monitoring Reports submitted with Application

Third Octave analysis for noise emissions should be used to determine tonal noises

	National Grid Reference	Sound Pressure Levels		
	(5N, 5E)	L(A) _{eq}	L(A) ₁₀	L(A) ₉₀
1. SITE BOUNDARY				
Location 1:	3083E, 2282N	56	59	51
Location 2:	2083E, 2282N	62	65	52
Location 3:	3083E, 2282N	76	78	61
Location 4:	3083E, 2283N	83	85	48
2. NOISE SENSITIVE LOCATIONS				
Location 1:	3081E, 2280N	57	60	48
Location 2:				
Location 3:				
Location 4:				

NOTE: All locations should be identified on accompanying drawings.

For inspection purposes only.
Consent of copyright owner required for any other use.

ATTACHMENT 2

Planning Permissions

For inspection purposes only.
Consent of copyright owner required for any other use.

DUBLIN COUNTY COUNCIL

Tel. 42951 (Ext. 131)

PLANNING DEPARTMENT,
46-49 DAME STREET,
DUBLIN 2

Notification of Grant of Permission/Approval
Local Government (Planning and Development) Act, 1963

<p>To : Sitecast (Ireland) Ltd., 6 Mount Street Crescent, Dublin 2. David Gardiner.</p> <p>Applicant :</p>	<p>Decision Order Number and Date..... P/1699/73, 21/6/73 F.818</p> <p>Register Reference No..... 6153</p> <p>Planning Control No.....</p> <p>Application Received on..... 2nd May, 1973</p>
--	--

A PERMISSION/APPROVAL has been granted for the development described below subject to the undermentioned conditions.
Proposed 2-No. semi-detached warehouse units at Cookstown Industrial Estate Extension. Floor area: 9,000-sq.ft. Site area: $\frac{2}{3}$ -acres.

Conditions	Reasons for Conditions
<p>1. That the development be carried out and completed strictly in accordance with the plans and specification lodged with the application, save as is in the conditions hereunder otherwise required.</p> <p>2. That the requirements of the Chief Fire Officer be strictly adhered to in the development. The use of the premises is not to commence until these requirements are met.</p> <p>3. That the water supply and drainage arrangements be in accordance with the requirements of the County Council.</p> <p>4. That the necessary off-street car-parking and loading/unloading facilities related to the scale of development proposed be provided for.</p> <p>5. That the proposed structures shall be used for warehouse and ancillary office purposes as set out in the application dated 1st May, 1973, and any proposed change of use shall be subject to the approval of the Planning Authority or the Minister for Local Government on appeal. Retail sales and supermarket operations are not permitted.</p>	<p>1. To ensure that the development be in accordance with the permission and effective control maintained.</p> <p>2. To protect the safety of persons occupying or employed in the structure</p> <p>3. In order to comply with the Sanitary Service Acts, 1878-1964.</p> <p>4. In the interest of the proper planning and development of the area.</p> <p>5. In the interest of amenity and the proper planning and development of the area.</p>

Continued/

Continued/

6. That the area in front of the buildings between them and the highway boundary shall not be used for the storage of plant or materials.

7. That the proposed boundary walls and/or any gates or railings be in conformity with those already approved for the adjoining site and that any revisions be submitted to and approved by the Council.

8. That Building Bye-law approval shall be obtained, and any condition of such approval shall be observed in the development.

6. In the interest of amenity.

7. In the interest of amenity.

8. In order to comply with the Sanitary Services Acts, 1878-1964.


for Senior Administrative Officer.

For inspection purposes only.
Consent of copyright owner required for any other use.



Bloc 2, Ionad Bheatha na hEirear
Bloc 2, Irish Life Centre,
Sraid na Mainistreach Iacht,
Lower Abbey Street,
Baile Atha Cliath 1.
Dublin 1.
Telephone (01) 724755
Fax (01) 724896

NOTIFICATION TO GRANT PERMISSION
LOCAL GOVERNMENT (PLANNING AND DEVELOPMENT) ACTS 1963-1991.

Grant Order Number : P/ 0311 /93 Date of Grant : 27th January 1993
Decision Order Number : P/ 5827 /92 Date of Decision : 18th December 1992
Register Reference : 92A/1764 Date Received : 6th November 1992
Applicant : National Waste Management Ltd

Development : Erect an extension consisting of a steel structure with external cladding with dimensions of 19 meters X 17 meters X 9 meters high for use as a waste sorting and transfer station in association with existing facility

Location : Side of Unit 41 Cookstown Industrial Estate, Tallaght

Additional Information Requested/Received //

Time Extension(s) up to and including :

A PERMISSION has been granted for the development described above, subject to the conditions on the attached Numbered Pages.

NUMBER OF CONDITIONS - ...9...ATTACHED.

Signed on behalf of the Dublin County Council.....
for Principal Officer

Date:..... 1. FEB. 1993.....

All buildings must now be designed and constructed in accordance with the new Building Regulations. The Regulations also provide that a Commencement Notice must be submitted to the Building Control Authority in respect of all buildings other than exempted development for the purposes of the Local Government (Planning & Development) Acts, 1963-1990, not less than seven days and not more than twenty-one days before development commences. In addition, a Fire Certificate must be obtained from the Building Control Authority in respect of the erection, alteration or change of use of all buildings other than dwelling houses.

Manahan & Associates,
38 Dawson Street,
Dublin 2.

Manahan & Associates
REC'D: 02 FEB 1993
ACTION:

353 1 6799094
353 1 6799094

MANAHAN & ASSOC

MON, 28-SEP-98 14:24



Bloc 2, Ionad Bheatha na hEireann
Bloc 2, Irish Life Centre,
Sraid na Mainistreach lacht,
Lower Abbey Street,
Baile Atha Cliath 1,
Dublin 1.
Telephone (01) 724755
Fax (01) 724896

Reg.Ref. 92A/1764
Decision Order No. P/ 5827 /93
Page No: 0002

01 The development to be carried out in its entirety in accordance with the plans, particulars and specifications lodged with the application, save as may be required by the other conditions attached hereto.

REASON: To ensure that the development shall be in accordance with the permission, and that effective control be maintained.

02 That all external finishes harmonise in colour and texture with the existing premises.

REASON: In the interest of visual amenity.

03 (a) That the water supply and drainage arrangements, including the disposal of surface water, be in accordance with the requirements of the County Council.

(b) Prior to commencement of development applicant to submit and agree with Environmental Services Department, Dublin County Council acceptable arrangements for the floor drainage of the entire development. In this regard, a licence under the 1977 Water Pollution Act will be required.

(c) Prior to commencement of development applicant to consult with the County Council's Water Maintenance Section, Deansrath Depot regarding proposed watermain layout.

REASON: In order to comply with the Sanitary Services Acts 1878 - 1964.

04 (a) That no industrial effluent be permitted without prior approval from the Planning Authority.

(b) Any operations on site resulting in the generation of contaminated liquids must provide for the disposal of those liquids to the foul sewer system.

REASON: In the interest of health.

05 That an additional 8 car parking spaces be provided at the applicants expense if/when required by the Planning Authority.

REASON: In the interest of the proper planning and development of the area.

06 That no advertising sign or structure be erected, except those which are exempted development without prior approval of the Planning Authority.

REASON: To prevent unauthorised development.

07 That the landscaping scheme submitted and approved under Reg.Ref. 90A/1377 be implemented at the site forthwith.

REASON: In the interest of visual amenity.

08 That a financial contribution in the sum of £2608.00 be paid by the proposer to the Dublin county council towards the cost of provision of public services in the area of the proposed development and which facilitate this development; this contribution to be paid before the commencement of development on the site.

REASON: The provision of such services in the area by the Council will facilitate the proposed development. It is considered reasonable that the developer should contribute towards the cost of providing the

- 1 FEB 1993

353 1 679994
SES 1 679994

MANAHAN & ASSOC

MON, 28-SEP-98 14:24

Dublin County Council Comhairle Chontae Atha Cliath Planning Department

Bloc 2, Ionad Bheatha na hEireann
Bloc 2, Irish Life Centre,
Sraid na Mainistreach Iacht,
Lower Abbey Street,
Baile Atha Cliath 1,
Dublin 1.
Telephone (01) 724755
Fax (01) 724896

Reg.Ref. 92A/1764
Decision Order No. P/ 5827 /93
Page No: 0003
services.

- 09 That any skip or R.E.L. (Rear End Loaders) which contain waste at the time of entry on the site will be parked within the building.
- 09 REASON: In the interest of the proper planning and development of the area.

NOTE: The proposal for waste sorting and transfer station requires a permit under the European Communities (Waste) Regulations, 1979.

For inspection purposes only.
Consent of copyright owner required for any other use.

- 1 FEB 1993

DUBLIN COUNTY COUNCIL

A. 42951 (Ext. 131)

PLANNING DEPARTMENT,
46-49 DAME STREET,
DUBLIN 2

Notification of Grant of Permission/Approval
Local Government (Planning and Development) Act, 1963

To :
Sitecast (Ireland) Ltd.,
6 Mount Street Crescent,
Dublin 2.
David Gardiner.

Decision Order P/1699/73, 21/6/73
Number and Date..... F.818
Register Reference No.....
6153
Planning Control No.....
Application Received on 2nd May, 1973

Applicant :

PERMISSION/APPROVAL has been granted for the development described below subject to the undermentioned conditions.
Proposed 2-No. semi-detached warehouse units at Cookstown
Industrial Estate Extension. Floor area: 9,000-sq.ft. Site area:
- 3 - acres.

Conditions	Reasons for Conditions
<p>1. That the development be carried out and completed strictly in accordance with the plans and specifications lodged with the application, save as is in the conditions hereunder otherwise required.</p> <p>2. That the requirements of the Chief Fire Officer be strictly adhered to in the development. The use of the premises is not to commence until these requirements are met.</p> <p>3. That the water supply and drainage arrangements be in accordance with the requirements of the County Council.</p> <p>4. That the necessary off-street car-parking and loading/unloading facilities related to the scale of development proposed be provided for.</p> <p>5. That the proposed structures shall be used for warehouse and ancillary office purposes as set out in the application dated 1st May, 1973, and any proposed change of use shall be subject to the approval of the Planning Authority or the Minister for Local Government on appeal. Retail sales and supermarket operations are not permitted.</p>	<p>1. To ensure that the development be in accordance with the permission and effective control maintained.</p> <p>2. To protect the safety of persons occupying or employed in the structure.</p> <p>3. In order to comply with the Sanitary Services Acts, 1878-1964.</p> <p>4. In the interest of the proper planning and development of the area.</p> <p>5. In the interest of amenity and the proper planning and development of the area.</p>

Continued/.

Authority of the Minister for Local Government on appeal. Retail sales and supermarket operations are not permitted.

Continued/

Signed on behalf of the Dublin County Council :

[Handwritten Signature]
County Secretary
for Senior Administrative Officer.

Form 4

Date : 3rd August, 1973

Approval of the Council under Building Bye - Laws must be obtained before the development is commenced and the terms of approval must be complied with in the carrying out of the work.

For inspection purposes only.
Consent of copyright owner required for any other use.

Signed on behalf of the Dublin County Council :

[Signature]
County Secretary
for Senior Administrative Officer.

Form 4

Date : 3rd August, 1973

Approval of the Council under Building Bye - Laws must be obtained before the development is commenced and the terms of approval must be complied with in the carrying out of the work.

For inspection purposes only.
Consent of copyright owner required for any other use.

FOR SITECAST (IRELAND) LTD.
DUBLIN OFFICE

16 APR 1974

Tel. 42751 (Ext. 131) RECEIVED

DUBLIN COUNTY COUNCIL

PLANNING DEPARTMENT,
46-49 DAME STREET
DUBLIN 2

Notification of Decision to Grant Permission/Approval
Local Government (Planning and Development) Act, 1963

To :
Sitecast (I) Ltd.,
6, Mount Street Crescent,
Dublin 2.
Applicant : Sitecast (1) Ltd.

Decision Order
Number and Date..P./1024/74;...11/4/74...
Register Reference No.....G. 350.
Planning Control No.....6153
Application Received on.....22/2/74.

In pursuance of its functions under the above-mentioned Act the Dublin County Council, being the Planning Authority for the County Health District of Dublin, did by Order dated as above make a decision to grant Permission/Approval for Proposed alterations and extensions to approved units at Cookstown Industrial Estate, Belgard Road, Tallaght.

SUBJECT TO THE FOLLOWING CONDITIONS :

Conditions	Reasons for Conditions
(1) That the development be carried out and completed strictly in accordance with the plans and specification lodged with the application save as is in the conditions hereunder otherwise required.	(1) To ensure that the development shall be in accordance with the permission and that effective control be maintained.
(2) That the relevant conditions of Order No: P/1699/73, dated 21st June, 1973, be adhered to in respect of this development.	(2) In the interest of the proper planning and development of the area.
(3) That Building Bye-laws approval shall be obtained and any conditions of such approval shall be observed in the development.	(3) In order to comply with the Sanitary Services Acts, 1878-1964.

Signed on behalf of the Dublin County Council : *Mary Harrington*
County Secretary. *ack*
for. Senior Administrative Officer.
Date : ..11th April, 1974.....

IMPORTANT : Turn overleaf for further information.

Form 3

For inspection purposes only.
Consent of copyright owner required for any other use.

For inspection purposes only.
Consent of copyright owner required for any other use.

There is no appeal to the Minister for Local Government against this decision PERMISSION/APPROVAL will be granted by the Council as soon as may be after the expiration of the period for the taking of such appeal. If every appeal made in accordance with the Act has been withdrawn, the Council will grant the PERMISSION/APPROVAL after the withdrawal.

An appeal against the decision may be made to the Minister for Local Government. The Applicant may appeal within one month from the date of receipt by him of this notification. ANY OTHER PERSON may appeal within twenty-one days beginning on the date of the decision.

An appeal shall be in writing and shall state the subject matter and grounds of the appeal.
It should be addressed to :—

The Secretary, Department of Local Government, Custom House, Dublin 1.

An appeal by the applicant for Outline Permission should be accompanied by this form.

Approval of the Council under Building Bye-Laws must be obtained and the terms of the approval must be complied with in the carrying out of the work before any development which may be permitted is commenced.

DUBLIN COUNTY COUNCIL

Tel. 42951 (Ext. 131)

PLANNING DEPARTMENT,
46-49 DAME STREET,
DUBLIN 2

4.

Notification of Grant of Permission/Approvák
Local Government (Planning and Development) Act, 1963

<p>To : Sitecast (Ireland) Ltd., 6 Mount Street Crescent, Dublin 2. Applicant : Sitecast (Ireland) Ltd.</p>	<p>Decision Order F/544/74, 27/2/74 Number and Date..... Register Reference No. G.59 14067 Planning Control No..... Application Received on 16th January, 1974</p>
---	--

PERMISSION/APPROVÁK has been granted for the development described below subject to the undermentioned conditions.
Proposed factory/warehouse structure (Dorothy Pinnock Ltd.)
at Cookstown Industrial Estate, Extension, Belgard Road, Tallaght.
Floor area: 14,880-sq. ft. Site area: 0.858-acres.

Conditions	Reasons for Conditions
<p>1. That the development be carried out and completed in strict conformity with the plans and specifications lodged with the application, save as is in the conditions hereunder otherwise required.</p>	<p>1. To ensure that the development shall be in accordance with the permission and effective control maintained.</p>
<p>2. That the requirements of the Chief Fire Officer be strictly adhered to in the development. The use of the premises is not to commence until these requirements are met.</p>	<p>2. To protect the safety of persons occupying or employed in the structure or any adjoining structures.</p>
<p>3. That the water supply and drainage arrangements be in accordance with the requirements of the County Council.</p>	<p>3. In order to comply with Sanitary Services Acts, 1878-1964.</p>
<p>4. That the necessary off-street car-parking and loading/unloading facilities related to the scale of development proposed be provided for.</p>	<p>4. In the interests of the proper planning and development of the area.</p>
<p>5. That the structure shall be used for factory/warehouse and ancillary offices, as set out in the application, dated 15th January, 1974, and any proposed change of use shall be subject to the approval of the County Council or the Minister for Local Government on appeal. Retail sales and supermarket operations are not permitted.</p>	<p>5. In the interests of the proper planning and development of the area.</p>

Continued/.....

Minister
Retail sales and supermarket open
are not permitted.

Continued/.....

Signed on behalf of the Dublin County Council : *Mary Harrington*
County Secretary
for Senior Administrative Officer.

Date : ..9th April, 1974.....

Form 4

Approval of the Council under Building Bye - Laws must be obtained before the development is commenced and the terms of approval must be complied with in the carrying out of the work.

For inspection purposes only.
Consent of copyright owner required for any other use.

Continued/.

6. That the area in front of the buildings between them and the highway boundary shall not be used for the storage of plant or materials.

7. That any revisions to the proposed boundary walls and gates/railings be submitted to and approved by the County Council.

8. That Building Bye-laws approval shall be obtained, and any conditions of such approval shall be observed in the development.

6. In the interest of amenity.

7. In the interests of amenity.

8. In order to comply with the Sanitary Services Acts, 1878-1964.

Mary Harrington
for Senior Administrative Officer.

For inspection purposes only.
Consent of copyright owner required for any other use.

SOUTH DUBLIN COUNTY COUNCIL
COMHAIRLE CHONTAE ÁTHA CLIATH THEAS

Halla an Chontae, Lár an Bhaile,
Tamhlacht, Baile Átha Cliath 24.

Telefon: 01-414 9000
 01-414 9230
Facs: 01-414 9104
www.southdublin.ie



PLANNING DEPARTMENT
County Hall, Town Centre,
Tallaght, Dublin 24.

Telephone: 01-414 9000
 01-414 9230
Fax: 01-414 9104
www.southdublin.ie

Martin Murray Architects
1, The Mews
19 Pembroke Road
Ballsbridge
Dublin 4

NOTIFICATION TO GRANT PERMISSION
PLANNING & DEVELOPMENT ACT, 2000 AND PLANNING REGULATIONS
THEREUNDER

Final Grant Order No.:	0613	Date of Final Grant:	18-Mar-2004
Decision Order No.:	0159	Date of Decision:	26-Jan-2004
Register Reference:	SD03A/0880	Date:	25-Nov-2003

Applicant: Greenstar Recycling Holding Ltd.

Development: Phased demolition of existing maintenance garage, waste transfer shed and garage and the removal of other miscellaneous buildings, and the phased reinstatement of the materials recovery and transfer facility including inter alia, new recovery and transfer building, administration building, staff amenity/changing facility, 2 no. weighbridges, 3 no. vehicle entrances/exits, all associated security fencing to site boundaries, skip storage, hard standing and all other associated site works. This site possesses a current EPA waste licence (EPA Licence No. 79 -1) for activities consisting of 'waste segregation', 'waste recovery', 'waste storage' and 'transfer onto vehicles' for removal off-site. All of the relevant waste recovery and waste disposal activities are as per the third and fourth schedules of the waste management act 1996 and the European Communities, (Amendment of the Waste Management Act, 1996) Regulations 1998 (S.I. No. 166 of 1998), to which the application relates at Units 40 - 41, (known previously as 'National Waste Management Ltd. Facility'), Cookstown Industrial Estate, Tallaght, Dublin 24. This is an application for a ten-year permission.

Location: Unit 40-41, Cookstown Industrial Estate, Tallaght, Dublin 24.

Floor Area:

**Time extension(s) up to and including
Additional Information Requested/Received** /

A Permission has been granted for the development described above, subject to the following conditions.

South Dublin County

Celebrating ten years
Ag ceiliúrach deich bhliain

SOUTH DUBLIN COUNTY COUNCIL
COMHAIRLE CHONTAE ÁTHA CLIATH THEAS

Halla an Chontae, Lár an Bhaile,
Tamhlacht, Baile Átha Cliath 24.

Telefon: 01-414 9000
01-414 9230
Facs: 01-414 9104
www.southdublin.ie



PLANNING DEPARTMENT
County Hall, Town Centre,
Tallaght, Dublin 24.

Telephone: 01-414 9000
01-414 9230
Fax: 01-414 9104
www.southdublin.ie

Conditions and Reasons:

1. The development shall be carried out in its entirety in accordance with the plans the plans, particulars, and specifications lodged with the application, save as may be required by the other conditions attached hereto.
Reason ; To ensure that the development shall be in accordance with the permission, and that effective control be maintained.
2. The water supply and drainage infrastructure, including the disposal of surface water, shall comply with the technical requirements of the Planning Authority. In particular:
 - (i) Run off from the truck wash area shall be routed though a separate interceptor and discharged to the foul sewer.
 - (ii) All surface water from the waste material storage areas vehicle, truck parking and marshall areas shall be routed via a petrol/oil/diesel interceptor.REASON: In the interests of public health and in order to ensure adequate drainage provision.
3. This grant of permission shall apply for a period of 5 years from date of final grant.
Reason ; In the interests of development control and the proper planning and development of the area.
4. Adjustments to the kerb to provide for the new vehicular entrance shall be carried out to the satisfaction of the Roads Department of South Dublin County Council. The construction of proposed parking spaces 23-27 shall not take place save with the prior written agreement of the Roads Department of the Planning Authority.
Reason ; In the interests of proper planning and development .
5. Skip or other waste storage shall not take place on circulation space within the proposed carpark.
Reason ; In the interests of proper planning and development.
6. During demolition works on site, all necessary steps to contain dust rising from the demolition shall be taken so as to prevent a nuisance being carried to occupiers of other buildings in the locality. This shall include covering skips and slack heaps, netting of scaffolding, daily washing down of pavements or other public areas, use of water spray at demolition site to suppress dust and any other precautions necessary to prevent dust nuisances. During the demolition phase, the proposed development shall comply with BS 6187 Code of Practice for Demolition.
Reason ; In the interests of proper planning and development.
7. During the construction phase of the development , Best Practicable Means shall be employed to minimise air blown dust being emitted from the site. This shall include covering skips and slack heaps, netting of scaffolding, daily washing down of pavements or other public areas and any other precautions necessary to prevent dust nuisances. There must be compliance with County

Celebrating ten years
Ag ceiliúrach deich bhliain

SOUTH DUBLIN COUNTY COUNCIL
COMHAIRLE CHONTAE ÁTHA CLIATH THEAS

Halla an Chontae, Lár an Bhaile,
Tamhlacht, Baile Átha Cliath 24.

Telefon: 01-414 9000
01-414 9230
Facs: 01-414 9104
www.southdublin.ie



PLANNING DEPARTMENT
County Hall, Town Centre,
Tallaght, Dublin 24.

Telephone: 01-414 9000
01-414 9230
Fax: 01-414 9104
www.southdublin.ie

British Standard B.S. 5228 Noise Control on Construction and Open sites. All rooms, passageways, sanitary accommodation and lobbies shall be ventilated to the external air.

Reason ; In the interests of proper planning and development.

8. Noise due to the normal operation of the proposed development , expressed as Laeq over 1 hour at the façade of a noise sensitive location , shall not exceed the daytime background level by more than 10 dB(A)

Reason ; In the interests of proper planning and development.

9. Prior to commencement of development, the applicant shall submit, for the written agreement of the planning authority, a colour sample of cladding to be applied to the main building . This shall be of a neutral colour.

Reason ; In the interests of visual amenity.

10. That no additional advertising sign or structure be erected except those which are exempted development, without prior approval of Planning Authority or An Bord Pleanala on appeal.
REASON: In the interest of the proper planning and development of the area.

11. Any new palisade fencing along the front boundary, and also on side boundaries forward of the front wall of neighbouring buildings, shall be colour-coated.

Reason ; In the interests of visual amenity.

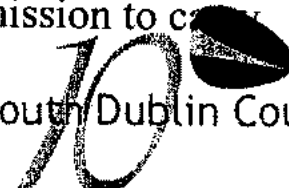
12. Entrance gates shall not open outwards over the public footpath.

Reason ; In the interests of proper planning and development.

13. 'The developer shall pay the sum of €17,625 (Seventeen thousand six hundred and twenty five euro) (updated at the time of payment in accordance with changes in the Wholesale Price Index - Building and Construction (Capital Goods), Published by the Central Statistics Office) to South Dublin County Council as a contribution towards expenditure in respect of public infrastructure and facilities benefiting development in the area of the planning authority and that is provided, or that it is intended will be provided, by or on behalf of the County Council as provided for in the Contribution Scheme for the County made by the Council'. This contribution to be paid before the commencement of development on the site.

REASON: The provision of such facilities will facilitate the proposed development. It is considered reasonable that the payment of a contribution be required, in respect of public infrastructure and facilities benefiting development in the area of the planning authority and that is provided, or that is intended will be provided, by or on behalf of the Local Authority.

Note 1. The applicant is advised that under the provisions of Article 34(13) the Planning and Development Act 2000, a person shall not be entitled solely by reason of a permission to carry out any development .


South Dublin County
Celebrating ten years
Ag ceiliúrach deich bhliain

SOUTH DUBLIN COUNTY COUNCIL
COMHAIRLE CHONTAE ÁTHA CLIATH THEAS

Halla an Chontae, Lár an Bhaile,
Tamhlacht, Baile Átha Cliath 24.

Telefon: 01-414 9000
01-414 9230
Facs: 01-414 9104
www.southdublin.ie



PLANNING DEPARTMENT
County Hall, Town Centre,
Tallaght, Dublin 24.

Telephone: 01-414 9000
01-414 9230
Fax: 01-414 9104
www.southdublin.ie

Note 2 ; The applicant is advised that where industrial effluent is produced or stored , a licence may be required under the provisions of the Waste Management Act.

- (1) All buildings must be designed and constructed in accordance with the Building Regulations 1997.
- (2) Building Control Regulations require a Commencement Notice. A copy of the Commencement Notice is attached.
- (3) A Fire Safety Certificate must be obtained from the Building Control Authority, where applicable.
- (4) Free Standing Walls must be designed and constructed in accordance with IS 325: Code of Practice for use of Masonry Part 1 : Structural use of reinforced Masonry. The Owner must also ensure that the construction of all walls is supervised by a competent person.

Signed on behalf of South Dublin County Council.

19-Mar-2004

for SENIOR EXECUTIVE OFFICER.

ATTACHEMENT 3

Waste Acceptance and Processing Procedures

*For inspection purposes only.
Consent of copyright owner required for any other use.*

M.S.M RECYCLING LTD			
EMS PROCEDURE MANUAL			
TITLE	WASTE ACCEPTANCE	REF	EOP 003
		Revision No	04
ISSUED BY	Rose Lloyd	APPROVED BY	Con Ward
SIGNATURE		SIGNATURE	
DATE	24/11/09	PAGE	1 of 4

This document is issued and controlled by the Yard Manager. This is a controlled document subject to change at any time, and therefore should not be copied. Only signed, authorised copies may be used as working documents.

1.0 Purpose

To establish and maintain procedures for waste acceptance.

2.0 Scope

This procedure applies to all staff involved in waste acceptance. MSM will only accept metal for recycling at the Cookstown Site. The following procedure describes, in detail how MSM ensure that they have only non hazardous metal for sorting, baling and sale to recycling facilities.

3.0 Responsibility

The Sales Representative, Recycling Manager, Yard Manager, Environmental Manager, yard staff and drivers are responsible for ensuring that this procedure is carried out.

4.0 Procedure

4.1 Upon setting up a new customer the Sales Representative or Recycling Manager will explain our waste acceptance procedure (EOP003) and issue the customer with the list of acceptable waste types including the EWC code to prevent any confusion.

4.2. All metal is purchased from suppliers and MSM pay by weight according to the type of metal being sold. However MSM still take the following steps to maintain the quality of the material that is handled at Cookstown:

- i. **In the case of MSM skips at customer's sites.** MSM strive to ensure that prior notification of acceptable materials is provided to one off customers who hire skips for the collection of metal scrap. Before MSM will collect a full skip the driver will undertake a visual inspection of the contents. If there is any contamination visible they will require this to be removed prior to bringing the skip to Cookstown. In the case of uncertainty the driver will contact the Environmental Manager for clarification before lifting the skip.
- ii. **In the case of recycling businesses delivering to Cookstown.** MSM ensure that any company or haulier delivering scrap to Cookstown has a valid Waste Collection Permit. MSM have issued an acceptance letter to each business prior to accepting waste at Cookstown.
- iii. **In the case of casual customers.** Casual customers may have no prior data about what MSM will accept, but a notice is located in the

M.S.M RECYCLING LTD			
EMS PROCEDURE MANUAL			
TITLE	WASTE ACCEPTANCE	REF	EOP 003
		Revision No	04
ISSUED BY	Rose Lloyd	APPROVED BY	Con Ward
DATE	24/11/09	PAGE	2 of 4

weighbridge office stating what is permissible, and what is not permissible, to bring on to the site.

5.0 Each load that comes to site is weighed.

Almost all loads are weighed on the weighbridge at the entrance to the site. However, very small small loads are weighed on the scales inside the warehouse.

Dockets are issued for each load, specifying:

- Haulier
- Originator of waste
- Product, with EWC
- Name of weighbridge operator
- Destination of the load (i.e. acceptance at Cookstown)
- Total weight, empty weight, and calculation of load weight.
- Date, time, docket number.

6.0 The Load is tipped

Waste is taken to the tipping area, and tipped under supervision by MSM staff. A visual inspection of the load is carried out immediately. This inspection applies to all loads. In cases where no issues arise from the visual inspection, sorting and handling continues as normal.

- i. When a MSM Recycling driver tips on site the load is inspected again. Any unacceptable waste will be photographed and the Environmental Manager will contact the customer and apply the appropriate charge for handling and disposal of this waste.
- ii. In the case of customers delivering to site directly the load will be inspected upon tipping and any unacceptable waste will be given back to the customer or disposed of by MSM Recycling at a cost to the customer.
- iii. Unacceptable wastes found on site will be quarantined and disposed of as required.
- iv. Acceptable wastes will be processed in the appropriate area and stored in a designated storage area until ready to be loaded.

M.S.M RECYCLING LTD			
EMS PROCEDURE MANUAL			
TITLE	WASTE ACCEPTANCE	REF	EOP 003
		Revision No	04
ISSUED BY	Rose Lloyd	APPROVED BY	Con Ward
DATE	24/11/09	PAGE	3 of 4

7.0 In cases of contamination:

i. Low levels of contamination

If non conforming items are found in the load images are taken. Non metallic, or hazardous materials are removed from the load by hand, and segregated. Bins are located adjacent to the area for non metallic items and rubbish. Hazardous items are removed and either returned to the delivery truck, or taken to the quarantine area, away from the active work area. These items are stored with like items and are removed from the site as quickly as possible to a licenced recycling facility.

ii. Where there is a high proportion of contamination

The metallic portion of the load is separated from the contaminated portion, by hand or using the grab machine. Images of the contamination are taken and stored on MSM's computer system. The unacceptable material is rejected, loaded back onto the delivery truck and returned to the supplier of that load of material. The weight of the metal portion is calculated, by weighing the truck with the rejected material in it, and MSM will only pay for the metal that is accepted.

iii. In all cases where there is a contaminated load

Images are taken and stored in MSM's Non Conforming Loads File. Each load is logged by date and supplier. The Environmental Manager records the loads in the Non Conforming Waste Tracker spreadsheet, before passing details of the non conformity to the generator of the scrap metal.

A review of non conforming loads is undertaken at weekly management meetings. Each quarter a summary of all non conforming loads is prepared for management to review.

8 Sanctions

Since MSM purchase material by weight, MSM always have the option to with hold payment if unacceptable material is delivered to site. Fines are imposed for non metallic content where necessary.

M.S.M RECYCLING LTD			
EMS PROCEDURE MANUAL			
TITLE	WASTE ACCEPTANCE	REF	EOP 003
		Revision No	04
ISSUED BY	Rose Lloyd	APPROVED BY	Con Ward
DATE	24/11/09	PAGE	4 of 4

Material we do accept

Ferrous metal
 Non-ferrous metal
 Metallic packaging
 Glass packaging
 Flat glass
 Depolluted ELVs from ATF

Material we do not accept

Tyres
 Plastic
 Oil filters
 Batteries (loose)
 Gas bottles/closed cylinders
 Fire extinguishers
 Paint tins containing liquid/paint
 Fluorescent light bulbs
 Non-discharged white goods/WEEE
 Wood
 Domestic waste
 Electric circuits/panels
 Hazardous waste
 Concrete
 Metals containing oil
 ELVs (non-depolluted)

For inspection purposes only. Consent of copyright owner required for all other use.

M.S.M RECYCLING LTD			
EMS PROCEDURE MANUAL			
TITLE	METAL RECYCLING	REF	EOP 009a
		Revision No	02
ISSUED BY	Maria Andrews	APPROVED BY	Con Ward
SIGNATURE		SIGNATURE	
DATE	23/03/09	PAGE	1 of 2

This document is issued and controlled by the Yard Manager. This is a controlled document subject to change at any time, and therefore should not be copied. Only signed, authorised copies may be used as working documents.

1.0 Purpose

To establish and maintain procedures for waste metal recycling, for all employees whose work can have a significant effect upon the environment.

2.0 Scope

This procedure applies to all MSM Recycling employees involved in metal recycling.

3.0 Responsibility

The Yard Manager and other relevant site operatives are responsible for ensuring that this procedure is carried out.

4.0 Procedure

- 4.1 All lorries, skips, containers of metal arriving on-site are weighed in at the weighbridge and then tipped in designated areas for waste/scrap metal.
- 4.2 All scrap metal is tipped in the yard area according to grade types (OA, OA1, Frag feed, No1&2 mixed, Swarf, C4 bales, tin plate, aluminium cans).
- 4.3 The various metal grades are then processed individually as follows;

OA grade metal (heavy steel, plate > 5mm thick) is cut in lengths of less than 4feet and bulked in heaps.

Frag feed grade metal (cars, white goods) are crushed into bales and stored in heaps.

OA1 grade metal (machinery waste) is bulked directly into heaps.

No1&2 mixed grade metal (1-3mm thick light steel, galvanised sheets) are baled into cubes and bulked into heaps.

Swarf grade metal (tailings) is transferred directly to a concrete bay.

C4 grade metal (light iron, drums) is transferred directly to a storage area.

Tin plate grade metal (tins) is heaped in a designated storage area.

Aluminium cans are transferred to a baler, crushed into cubes and stored.

- 4.4 When the processed/heaped scrap metal in various storage areas reach a capacity of about 25 tonnes the Recycling Manager must be informed.

M.S.M RECYCLING LTD			
EMS PROCEDURE MANUAL			
TITLE	METAL RECYCLING	REF	EOP 009a
		Revision No	02
ISSUED BY	Maria Andrews	APPROVED BY	Con Ward
DATE	23/03/09	PAGE	2 of 2

- 4.5 The Recycling Manager organises the transfer of the various metal grades to a metal recycling company.
- 4.6 All records of waste in and out are recorded on our weighbridge system.

For inspection purposes only.
Consent of copyright owner required for any other use.

*For inspection purposes only.
Consent of copyright owner required for any other use.*

ATTACHEMENT 4
Waste Collection Permit - MSM



Dublin City Council

Comhairle Cathrach Bhaile Átha Cliath

WASTE COLLECTION PERMIT

Waste Management (Collection Permit) Regulations, 2007
Waste Management (Collection Permit) (Amendment) Regulations 2008

Permit Register Reference Number: WCP- DC-08-1118-01

Dublin City Council being a nominated authority under Section 34(1)(aa) of the Waste Management Acts 1996 to 2008, has [by Manager's Order Ref. No. ENV & ENG 303 /2009] granted a waste collection permit to:

Midland Scrap Metal Company Ltd. T/A MSM Recycling

Herein after called the permit holder

Of:

Harbour Street, Mountmellick, Co. Laois

This permit is effective from **17th April 2009** and valid until **16th April 2014** after which the permit shall expire.

Dublin City Council may at any time review, and subsequently amend the conditions under Section 34 (6) of the Waste Management Acts 1996 to 2008 and the local authority will give notice in writing of such intention to the permit holder. Otherwise an application for a review of this permit shall be made at least 60 working days prior to the expiry date of this permit to the Executive Manager (Engineering) Waste Services, Dublin City Council, Eblana House, Marrowbone Lane, Dublin 8. This permit may be revoked under article 29 of the Waste Management (Collection Permit) Regulations, 2007 and the Waste Management (Collection Permit) (Amendment) Regulations, 2008.

The permit holder, subject to the attached schedule of conditions is authorised by this permit to only collect the waste type(s) specified in Appendix A within the corresponding local authority areas specified in Appendix D, and to transfer waste to the facilities outlined in Appendix B, using vehicle(s) specified in Appendix C.

Signed:

Peadar O'Sullivan
Peadar O'Sullivan
Executive Manager (Engineering)

Date:

7/04/2009

APPENDIX D REGIONS AND LOCAL AUTHORITY AREAS

This appendix lists the region(s) and local authority areas where the permit holder can collect waste.

Region	Local Authority
Connaught Region	Galway City Council
	Galway County Council
	Leitrim County Council
	Mayo County Council
	Roscommon County Council
	Sligo County Council
Cork Region	Cork County Council
	Cork City Council
Donegal Region	Donegal County Council
Dublin Region	Dublin City Council
	Dun Laoghaire/Rathdown County Council
	Fingal County Council
	South Dublin County Council
Kildare Region	Kildare County Council
Midlands Region	Laois County Council
	Longford County Council
	North Tipperary County Council
	Offaly County Council
	Westmeath County Council
Mid-West Region	Clare County Council
	Limerick County Council
	Limerick City Council
	Kerry County Council
North East Region	Cavan County Council
	Louth County Council
	Meath County Council
	Monaghan County Council
South-East Region	Carlow County Council
	Kilkenny County Council
	South Tipperary County Council
	Waterford County Council
	Waterford City Council
	Wexford County Council
Wicklow Region	Wicklow County Council

For inspection purposes only.
Consent of copyright owner required for any other use.

ATTACHMENT 5

Surface Water Discharge Maps

Monika Stanczak

From: Noel Dunne [ndunne@SDUBLINCOCO.ie]
Sent: 10 March 2010 09:41
To: Michael Watson
Subject: RE: Waste Licenced Site Cookstown
Attachments: Cookstown Ind Estate SW Outfall to Tymon Ponds.pdf; Cookstown Ind Est -1050 mm SW outfall.pdf

Michael,

Please see attached maps,

- 1) Cookstown Ind Est SW outfall discharge via 1050 mm diameter surfacewater sewer into open stream behind premises on Airton Road.
- 2) Map 2 from 7th Edition Dublin Street Guide, showing open stream at rear of premises on Airton Road discharging into Tymon Ponds.

FYI, email address for drainage & watermain map enquiries : servicemaps@sdblincoco.ie ; FAO Lorcan Kehoe 01-4149000 ext 4230.

Hope this will assist you.

Regards

Noel

From: Michael Watson [mailto:michael@ocallaghanmoran.com]
Sent: 09 March 2010 15:02
To: Noel Dunne
Subject: Waste Licenced Site Cookstown

Noel,

As discussed, see attached the site location map for the Waste Licenced facility at Cookstown Industrial Estate, Tallaght. If you can let me know the discharge point for the surface water discharge from the site it would be much appreciated. If you need a better scaled drawing let me know and I'll try and find one.

Kind Regards,

Michael Watson

O'Callaghan Moran & Associates
Environmental & Hydrogeological Consultants

Mob: 086 8255 965
Tel: 021 4321521
Fax: 021 4321522
Email: michael@ocallaghanmoran.com
Web: <http://www.ocallaghanmoran.com>

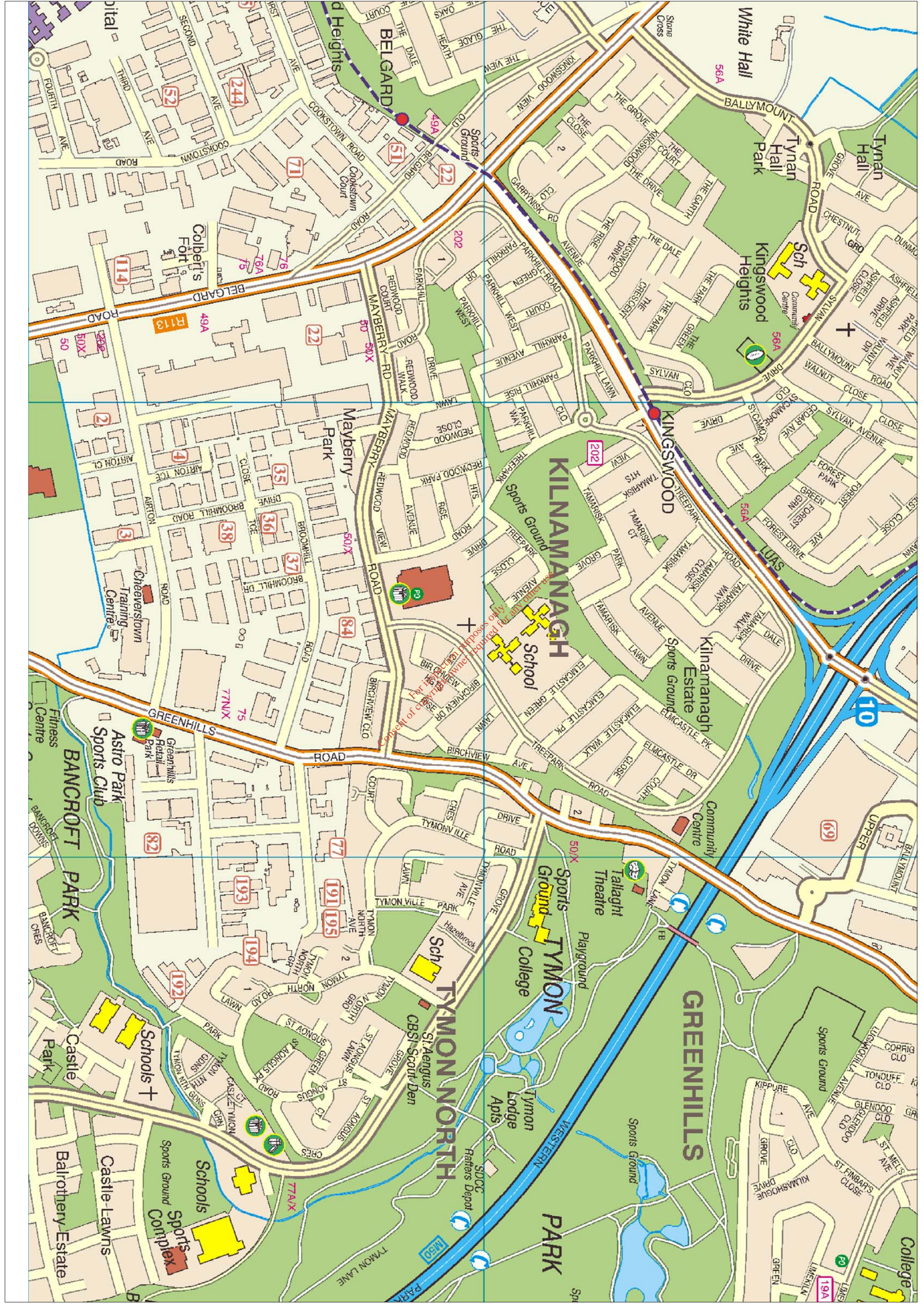
DISCLAIMER: This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the sender. Please note that any views or opinions presented in this email are solely those of the author and do not necessarily represent those of the company. Although the company

has taken reasonable precautions to ensure no viruses are present in this email, the recipient should check this email and any attachments for the presence of viruses. The company accepts no liability for any damage caused by any virus transmitted by this email.

The information in this email is confidential and may be legally privileged. It is intended solely for the addressee. Access to this email by anyone else is unauthorised. If you are not the intended recipient, any disclosure, copying, distribution or any action taken or omitted to be taken in reliance on it, is prohibited and may be unlawful. If you have received this electronic message in error, please notify the sender or postmaster@sdublincoco.ie. This message has been swept by Anti-Virus software.

Is eolas faoi run an t-eolas ata sa ríomhphost seo agus d'ádh;fheadfadh go mbeadh se faoi phribhleid o thaobh an dlí de. Is don te ar seoladh chuige/chuici agus dosan/dise amhain an t-eolas. Ní ceadmhach do dhuine ar bith eile rochtain a bheith aige/aici ar an ríomhphost seo. Murar duit an ríomhphost seo ta nochtadh, coipeail, daileadh na aon gníomh eile a dheanamh no aon gníomh eile a fhagail gan deanamh ar iontaoibh an ríomhphost seo toirmisceithe ort agus d'ádh;fheadfadh siad sin a bheith neamhdhleathach. Ma fuair tu an teachtaireacht leictreonach seo trí earraid teigh i dteagmhail, le do thoil, leis an te a sheol i no le postmaster@sdublincoco.ie. Glanadh an teachtaireacht seo le bogearraí Frithvireas.

*For inspection purposes only.
Consent of copyright owner required for any other use.*



ATTACHMENT 6

Dixon Bros Ltd Response

For inspection purposes only.
Consent of copyright owner required for any other use.

Mchael Watson
O'Callaghan Moran & Associates
Granary House
Rutland Street
Cork

date	our ref	your ref	cc
12.03.10	08160	W0079-01	-

regarding
Greenstar Ltd., Cookstown Industrial Estate, Tallaght - EPA waste licence W0079-01 review

Dear Mchael,

Further to the Agency's request for additional details regarding noise emissions, the following refers:

Give particulars of the source, location, nature, level, and the period or periods during which the noise emissions are made for the current activities.

Noise surveys have been undertaken by the undersigned at the facility on 10.12.08, 06.02.09 and 12.08.09. Corresponding noise reports submitted to your office provide details of onsite noise sources, locations, nature and resulting emission levels. It is considered that actual noise surveys are the most appropriate assessment of emissions from the facility rather than estimates regarding emissions. It is understood that the operations which occurred on site during the various noise monitoring surveys will be altered significantly in terms of noise emissions going forward.

Provide details of noise attenuation and control measures currently employed.

Noise attenuation and control measures have been referenced in the three DixonBrosnan reports noted above. Measures include acoustic barriers on the eastern, northern and western site boundaries.

Taking into account developments in the vicinity of the site, provide an up to date assessment of the nearest noise sensitive locations (NSL5) to the site, stating their distance from the site boundary. Show the NSLs on a map with their grid references. Assign new reference points where necessary.

Prior to undertaking the first DixonBrosnan noise survey of 10.12.08, the nearest NSL identified was Tallaght Hospital. Noise monitoring station NSL1 used during the three surveys is located close to the northeast gate to the hospital. The location is clearly identified in noise reports submitted to the Agency. The hospital is the nearest NSL in the context of the Agency's NSL definition: *Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.*

For the current activities (including processing of metals outdoors) carry out an assessment of the impact on the noise sensitive locations. Provide details of mitigation measures where relevant

Noise surveys undertaken at NSL1 indicate that no impacts arise from site operations. Other NSLs are located at significant distances from the site.

Please contact me if you have any queries.

Yours sincerely,



Damian Brosnan

*For inspection purposes only.
Consent of copyright owner required for any other use.*