Report: **Annual Environmental Report 2008**

Report No.: 1851/080328

Licensed Facility: **Greenogue Hazardous Waste Facility**

Licensee: **Cedar Resource Management Ltd.**

Report No. 1851/080328
Rev.:_____
Date: _____
Authorised:

Annual Environmental Report Contents

1 Introduction

This report details the licencee's compliance with the requirements of Waste Licence, register reference no. W0185-01 in relation to the requirement to produce an Annual Environmental Report (AER).

The format of the report is consistent with Schedule F of Licence.

The Guidance Notes issued by the Agency for the preparation of Annual Environmental Reports for IPC licensed facilities have been consulted.

Licensed Facility

The licensed facility register reference no. W0185-01.

Name and Location

The AER is that of:

Cedar Resource Management Ltd.
Cedar House,
Greenogue Business Park,
Rathcoole,
Co. Dublin.

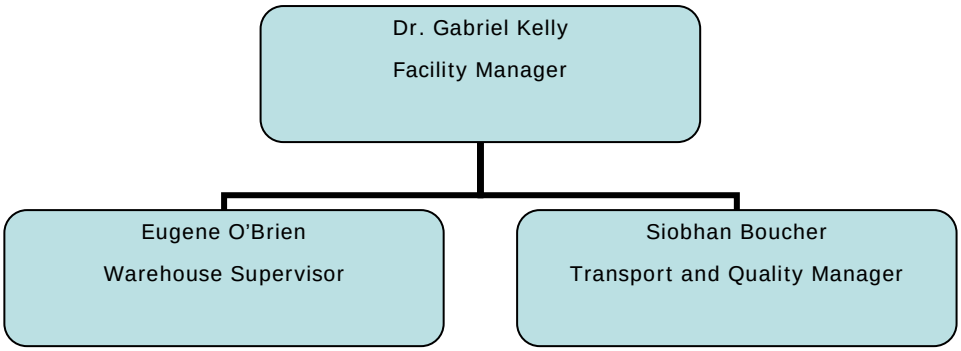
Company Environmental Policy

Refer to Appendix 1 for a copy of the Company environmental policy.

The company is accredited to ISO 14001. The auditing body is SGS Ireland.

Company Organisational Chart for Environmental Management

The following is provisional pending a review due to reorganisation prompted by the sale of our Hazardous Waste Business. The facility will in future accept only WEEE materials.



Reporting Period

1.1.1 Reporting Period

The reporting period is 1st January 2008 to 31st December 2008.

2 Waste Activities Carried out at the Facility

Introduction

The following is the list of waste activities permitted under W0185-01. Please note that only Classes 3, 12 and 13 from the Third and Fourth Schedule are carried out at the facility at present. It is expected that the range of activities may lessen during 2008 as we focus on WEEE transfer and processing.

Activities in accordance with the Third Schedule of the Waste Management Act, 1996

Class 7. Physico-chemical treatment not referred to elsewhere in this Schedule (including evaporation, drying and calcination) which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1. to 10. of this Schedule:

This activity relates to the shredding of waste materials, including, household hazardous waste containers and metals, plastics, card and paper. Physico-chemical treatment may be carried out on effluents to meet discharge criteria.

Class 11. Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.

This activity relates to bulking-up of waste on-site prior to shipment of waste for disposal off-site.

Class 12. Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.

This activity relates to the baling and repackaging of various waste types prior to disposal off-site.

Class 13. Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

This activity relates to the storage of hazardous and non-hazardous waste at the facility prior to disposal off-site.

Activities in accordance with the Fourth Schedule of the Waste Management Act, 1996

Class 2. Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes):

This activity relates to the recycling of various organic substances including, wood, paper/cardboard, textile materials and vegetable oils.

Class 3. Recycling or reclamation of metals and metal compounds:

This activity relates to the dismantling, shredding, baling and recycling of various metal wastes.

Class 4. Recycling or reclamation of other inorganic materials:

This activity is limited to the reclamation of refrigerator gasses.

Class 11. Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule:

This activity is to make provision for the acceptance on-site for transfer to an appropriate facity of waste that has been obtained from any activity referred to previously in the schedule.

Class 12. Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule:

This activity refers to the exchange of certain waste types and their packaging for further processing off-site

Class 13. Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced:

This activity is limited to the storage of waste at the facility prior to off-site recovery.

3 Wastes Managed

See:

Appendix 4 WEEE Survey and

Appendix 5 AER Returns Wooksheet

4 *Report on Emissions/Results and interpretations of environmental Monitoring*

Immark implements a comprehensive environmental monitoring programme to assess the significance of emissions from site activities. The programme includes surface water, groundwater, wastewater, noise and dust monitoring. The monitoring locations are shown on Drawing 569-42-G006 in Appendix 2.

The monitoring results are submitted to the EPA at quarterly intervals. An overview of the results of the monitoring is presented in this Section, with summary data in tables included in Appendix 3.

Surface Water Quality Monitoring

Surface water monitoring was conducted quarterly at one monitoring point at the location shown on Drawing 569-42-G006 in Appendix 2. Surface water runoff from the facility is dependant on rainfall.

The sampling and analysis was carried out in accordance with recognised quality assurance and control procedures. The range of analysis was as specified in Schedule D of the Waste Licence and included pH, Chemical Oxygen Demand (COD) and electrical conductivity. There are no emission limit values (ELV) or trigger levels set in the Licence and so the results were compared to the proposed Environmental Quality Standards (EQS) for surface waters prepared by the Agency. The summary tables are included in Appendix 3.

The EQS was not exceeded at SW-1 during the monitoring period. The pH and conductivity measurements indicate the water is of good quality and has not been impacted by site activities. The results are consistent with the levels recorded in previous monitoring events.

Wastewater Monitoring

The facility is designed to collect waste water from floor wash downs in the Warehouse building and discharge it to the municipal sewer serving the industrial estate. However as putrescible wastes are not accepted at the facility and floor wash downs are therefore not required there is no wastewater discharge to sewer.

Groundwater Monitoring

Groundwater monitoring was conducted quarterly at two monitoring points (GW-1 and GW-2) as shown on Drawing 569-42-G006 in Appendix 2.

The sampling and analysis was carried out in accordance with recognised quality assurance and control procedures. The range of analysis was as specified in Schedule D of the Waste

Licence and included quarterly analysis of pH, electrical conductivity, chloride, sulphate, total organic carbon (TOC) and dissolved oxygen and annual analysis of metals, volatile organic compounds (VOC), semi-volatile organic compounds (SVOC) and pesticides. There are no Emission Limit Values (ELV) or Trigger Levels set for groundwater in the Licence. For comparative purposes the results were compared to the Interim Guideline Values (IGV) published by the EPA. The IGV levels represent typical background or unpolluted conditions. However, the EPA recognises that levels higher than the IGV may occur naturally depending on the local geological and hydrogeological conditions.

The groundwater quality in GW-1 is generally good and is consistent with the previous monitoring carried out between Q1 and Q4 2007. The groundwater quality in GW-2 is also generally good and is consistent with previous monitoring results. In Q1 and Q2 the level of sulphate recorded at GW-2 (213 mg/l and 219 mg/l) marginally exceeded the IGV (200 mg/l) however this is not considered to be significant. Sulphate levels marginally above the IGV were previously detected in GW-2 in February 2007 (246.5 mg/l). In Q2 and Q3 the chloride level in GW-2 (32 mg/l on both occasions) marginally exceeded the IGV (30 mg/l). The source of chloride and sulphate is unknown but it is not associated with site activities.

Of the annual parameters, only barium marginally exceeded the IGV and this occurred in both up and downgradient monitoring wells. The barium levels are similar to those levels measured in February 2007. Boron, cadmium, chromium, beryllium, cobalt, copper, iron, lead, mercury, nickel, silver, tin, arsenic, antimony, VOC, SVOC and pesticides were all below the method detection limits.

Noise Survey

Immark carried out the annual noise survey on the 23rd August 2008. Monitoring was carried out at the three noise monitoring locations, N-1, N-2 and N-3 specified in the licence as shown on Drawing 569-42-G006 in Appendix 2

The survey was conducted when the site was fully operational. A summary of the results is included in Appendix 1. The $L_{Aeq\ 30\ min}$ levels recorded at the three boundary stations were 60-71 dB, and were therefore higher than the 55 dB daytime noise limit specified in waste licence W0185-01. However, there are no noise sensitive receptors in the vicinity of the Immark facility, and noise levels recorded are considered satisfactory. No tones of significance were identified at any of the measurement stations. Impulsive noise emissions arose onsite from waste handling operations, specifically from waste refrigerators being manoeuvred in the yard. Waste licence W0185-01 does not specify any restrictions with respect to tonal or impulsive content at the boundary measurement stations. The impulsive noise emissions are considered unlikely to have impacted at the nearest potential NSL which is approximately 350 m to the northwest.

Under Condition 8.2 of the licence Immark request that the nearest noise sensitive location be included for monitoring in the list of noise monitoring locations as listed in Table D.1.1. Immark also request that the noise emission limit be applied to the nearest noise sensitive

location only, as is the case for the tonal and impulsive component and in accordance with the Agencies current practice for new waste licences.

Dust Monitoring

Dust monitoring was carried out on three occasions at four on-site locations (DS-01, DS-02, DS-03 and DS-04), as shown on Drawing 569-42-G006, in May, June and July 2008. There were no exceedances of the dust deposition limit (350 mg/m2/day) set in the Licence at any of the monitoring locations in 2008. The results of the monitoring are included in Appendix 3.

Air Emission Monitoring

Air emissions were tested in June 2007 and were due for retesting in June 2008. We did not run the plant in the second half of last year and so did not have the opportunity to perform the tests. Should the plant be run during 2009 we will take the first opportunity to monitor our air emissions. For the PRTR report the Dust emmission was Estimated at the 2007 level because although throughput of the plant was increases, the plant did not run during the second half of the year.

5 Objectives & Targets of EMS

The nature of the business is 2 distinct operations.

- The storage and, where necessary, the repackaging of dangerous goods where damaged or in inappropriate packagings. Emissions from this form of activity are insignificant and, as such, it is difficult to identify areas or aspects of the facility operation that require imporovement.

  The facility was developed on a green field site and therefore nothing was identified as a legacy of previous operations. For this reason it is not considered appropriate to set long-term objectives and targets for this activity.

  We have not accepted significant quantities of these materials in 2008. Any such materials stored on site on 1 Jan 2008 were dispatched within 6 months.

- Processing of WEEE. For this operation long term objectives and targets have been set

Previous Objectives & Targets

Objective: To ensure there is improved segregation of vehicles and pedestrians on–site through improving and introducing new pedestrian walkways, crossings; and speed limits; relocation of smoking area away from main gate; review of location of a pedestrian access on-site away from main gate

Target: June 2007

Objective: To carry out occupational air and noise monitoring at Greenogue as a result of the introduction of the new WEEE processing plant

Target: June 2007

Status: Completed.

Objective: To increase the recovery rate from WEEE processing and thereby reduce the % going to landfill

Target: June 2007 – Review complete June 2010

New Objectives & Targets

Objective: To remove residual Dangerous Goods stored in Dangerous Goods Stores

Target: June 2008 –

Status: Complete

6 Procedures

All ISO procedures have been amended during 2008 to reflect a major change in scope of activities due to sale of our Hazardous Waste business. Environmental Procedures remain unaltered to continue compliance.

7 Testing and Inspection Reports

Bunding and Drainage Reports were submitted to the Agency during the previous reporting period (on 13/8/04) (Ref.: 1851/G003), detailing the design of the Drainage System and Test Reports. The Agency agreed the report on 30/8/04.

As per condition 3.13.3 of the licence 'The integrity and water tightness of all underground pipes and tanks and their resisitance to penetration by water or other materials carried or stored therin shall be tested and demonstrated by the licensee and shall be reported to the Agency following their installation and prior to their use. This testing shall be carried out by the licensee at least once every three years thereafter and reported to the Agency on each occasion.'

Inspection was carried out by Colman Reynolds and Associates in 2007. Report "Inspection Report for the Retention Facilites (Bunds) and Pipework Systems" was submitted as part of the AER 2007.

This is now supplimented by "Report 1144-1 Immark Irl Liquid Retaining Structures". Sept 2008 by Molony and Miller, Consulting Engineers. Appendix 4.

8 Reported Incidents and Complaints Summaries

During the reporting period no incidents arose or were reported.

During the reporting period no complaints were received.

9 Review of Nuisance Controls

Routine, documented site inspections are performed to monitor for vectors and litter.

10 Resource and Energy Consumption Summary

Electricity

Summary	Year to Date	Same period Last Year	% Variation	Total Last Year (Jan-Dec)
Total Consumption (kWh)	253,700	185,900	36.5	185,900
Night Load (%)	28.7	22.8	26	22.8
Daytime Load Factor (%)	61.6	51.7	19.1	51.7

11 Development and Infrastructural Works

No Specified Engineering Works have been carried out during 2008

12 Reports on financial provision made under this licence, management and staffing structure of the facility, and a programme for public information

- Cedar Resource Management Limited submitted an Environmental Liabilities Risk Assessment in January 2005.
- A proposal outlining the Financial Provision was submitted in February 2005 by Cedar Resource Management Ltd.
- A proposal for the Decommissioning and Aftercare Plan was submitted to the Agency in May 2005.

A review of ELRA Guidance has given a Risk Category of 3 based on 2007 activities

Staffing Structure

Gabriel Kelly	Facility Manager
Eugene O'Brien	Warehouse Supervisor
Sinead Melia	Administration

Programme for Public Information and Communications

The Notice Board is erected at the front of the premises detailing the Waste Licence Number and Holder, contact details and hours of operation. All requests for information from members of the public are to be put in writing to the Facility Manager, detailing what information is required. From this an appointment is made. No such requests have been made in 2008.

13 Foul Water

There has been no foul water produced for discharge or disposal for the reporting period.

14 Any other items specified by the Agency

Not applicable.

15 Appendix 1 Environmental Policy

Immark is a customer orientated, waste management company specialising in the storage, transport, processing and disposal/recovery of waste materials in accordance with national and international regulations. Immark also carry out the assessment, remediation and clean up of areas following hazardous material contamination

We recognise that good management includes all environmental matters and we shall endeavour to protect the environment. Prevention of pollution to air, water and land are part of all decisions, policies and practices within Immark. Immark shall endeavour to work towards the following objectives:

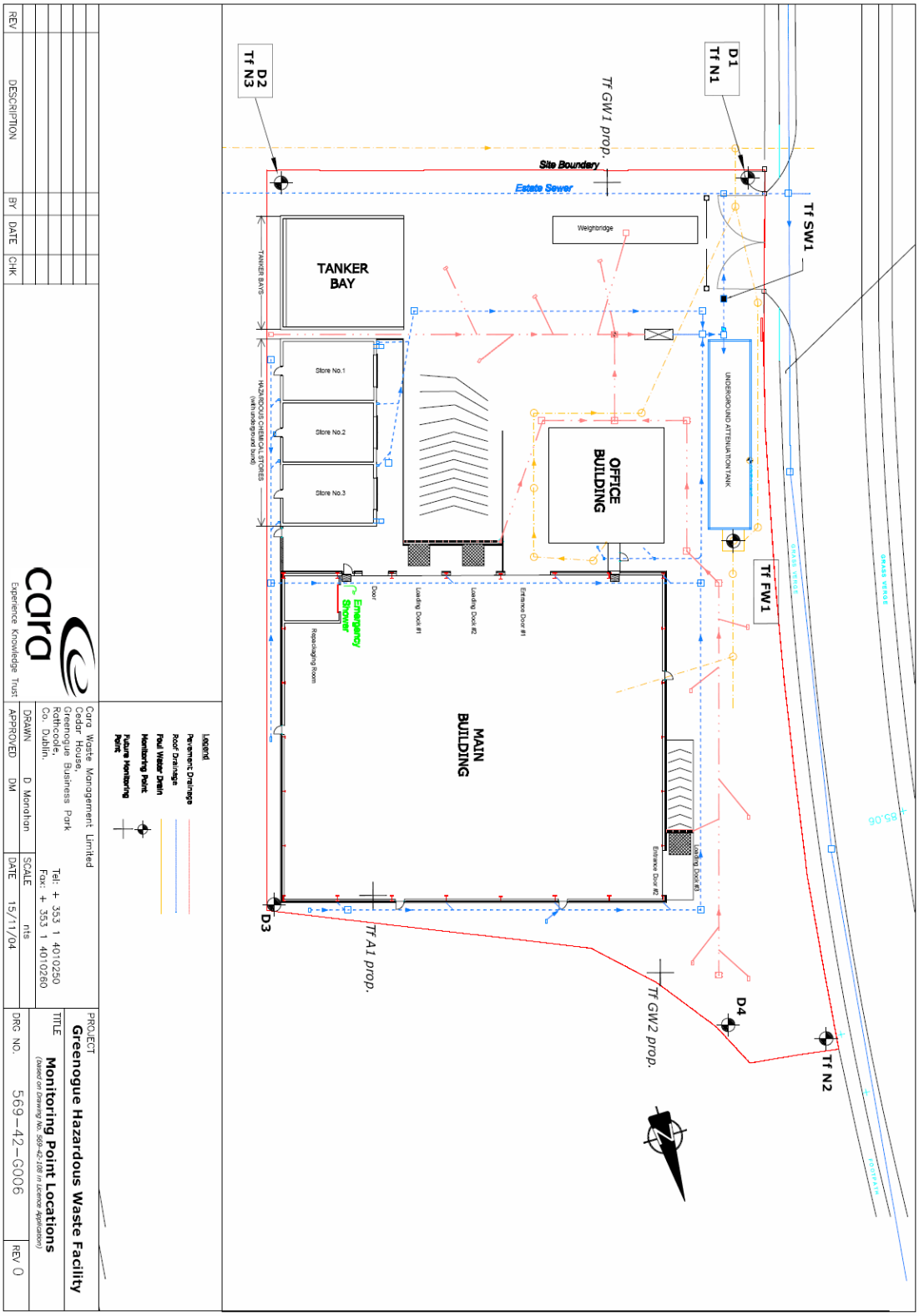
1. Manage our operations with diligence and with the awareness that our goal is to protect the environment and prevent pollution, by employing the best control mechanisms, procedures and processes which are proven technologically sound and economically feasible.
2. Comply with relevant environmental legislation and corporate guidelines and provide self-monitoring to ensure compliance.
3. Publish the Environmental Policy internally, by communication to all employees and posting the document on notice boards, and externally to all interested parties on request.
4. Train our employees to achieve continual improvement in environmental performance; the starting point is to comply fully with the requirements of ISO 14001: 2004
5. Focus on the primary environmental concerns: - the management of waste and energy efficiency in offices and management of environmental issues on site projects and special projects.
6. Foster openness, dialogue, enhanced communication and discussion with employees, customers, suppliers, persons working on behalf of the company and all interested parties regarding our environmental performance and our environmental objectives and targets.
7. Measure environmental performance by conducting regular environmental audits and assessments of compliance with the Environmental Policy, relevant environmental legislation and the requirements of the company.
8. To promote the theory of Environmental awareness to all contractors and to provide them with sufficient information to effectively comply with Immark's Management System.
9. To work with local authorities and Co Councils in an aim to divert more waste away from Landfill.

This policy statement shall be used as a framework for setting and achieving these objectives.

Signed: _____ Date: 29/04/2008

Brendan Keane
Managing Director

16 Appendix 2. Monitoring locations



17 Appendix 3 Monitoring results

Results for 2008 for Groundwater Location GW-1

Parameter	Units	Q1 2008	Q2 2008	Q3 2008	Q4 2008
pH	pH units	7.7	7.5	7.46	7.54
Conductivity	mS/cm	0.639	0.599	0.636	0.765
Chloride	mg/l	20	18	16	21
Sulphate	mg/l	120	112	107	124
Dissolved Oxygen	mg/l	1.6	3.19	2	3
Total Organic Carbon	mg/l	3.4	2.6	10.2	10.2
Aluminium	mg/l	N/A	0.03	N/A	N/A
Barium	mg/l	N/A	0.12	N/A	N/A
Beryllium	mg/l	N/A	<0.005	N/A	N/A
Boron	mg/l	N/A	<0.3	N/A	N/A
Cadmium	mg/l	N/A	<0.0005	N/A	N/A
Chromium	mg/l	N/A	<0.005	N/A	N/A
Cobalt	mg/l	N/A	<0.005	N/A	N/A
Copper	mg/l	N/A	<0.005	N/A	N/A
Iron	mg/l	N/A	<0.05	N/A	N/A
Lead	mg/l	N/A	<0.005	N/A	N/A
Mercury	mg/l	N/A	<0.0001	N/A	N/A
Nickel	mg/l	N/A	<0.005	N/A	N/A
Silver	mg/l	N/A	<0.02	N/A	N/A
Tin	mg/l	N/A	<0.10	N/A	N/A
Zinc	mg/l	N/A	0.006	N/A	N/A
Selenium	mg/l	N/A	<0.001	N/A	N/A
Arsenic	mg/l	N/A	<0.001	N/A	N/A
Antimony	µg/l	N/A	<1	N/A	N/A
VOC	µg/l	N/A	<2	N/A	N/A
SVOC	µg/l	N/A	<5	N/A	N/A
Pesticides	ng/l	N/A	<10	N/A	N/A

N/A - Not Applicable

Results for 2008 for Groundwater Location GW-2

Parameter	Units	Q1 2008	Q2 2008	Q3 2008	Q4 2008
pH	pH units	7.5	7.1	7.26	7.32
Conductivity	mS/cm	0.923	0.891	0.913	0.887
Chloride	mg/l	30	32	32	17
Sulphate	mg/l	*213*	219	119	124
Dissolved Oxygen	mg/l	2.1	3.04	4	2
Total Organic Carbon	mg/l	4.8	4.5	10.1	10.2
Aluminium	mg/l	N/A	<0.02	N/A	N/A
Barium	mg/l	N/A	0.13	N/A	N/A
Beryllium	mg/l	N/A	<0.005	N/A	N/A
Boron	mg/l	N/A	<0.3	N/A	N/A
Cadmium	mg/l	N/A	<0.0005	N/A	N/A
Chromium	mg/l	N/A	<0.005	N/A	N/A
Cobalt	mg/l	N/A	<0.005	N/A	N/A
Copper	mg/l	N/A	<0.005	N/A	N/A
Iron	mg/l	N/A	<0.05	N/A	N/A
Lead	mg/l	N/A	<0.005	N/A	N/A
Mercury	mg/l	N/A	<0.0001	N/A	N/A
Nickel	mg/l	N/A	<0.005	N/A	N/A
Silver	mg/l	N/A	<0.02	N/A	N/A
Tin	mg/l	N/A	<0.10	N/A	N/A
Zinc	mg/l	N/A	0.009	N/A	N/A
Selenium	mg/l	N/A	0.011	N/A	N/A
Arsenic	mg/l	N/A	<0.001	N/A	N/A
Antimony	µg/l	N/A	<1	N/A	N/A
VOC	µg/l	N/A	<2	N/A	N/A
SVOC	µg/l	N/A	<5	N/A	N/A
Pesticides	ng/l	N/A	<10	N/A	N/A

N/A - Not Applicable

Results for 2008 for Surface Water Location SW-1

		Q1 2008	Q2 2008	Q3 2008	Q4 2008
pH	pH Units	6.75	7.9	7.26	7.82
Conductivity	mS/cm	0.429	0.531	0.913	0.735
COD	mg/l	*	51	42	39

* Sample was lost at the laboratory and therefore could not be analysed

Noise Results 2008

Station	Time	LAeq 30 min dB	LA10 30 min dB	LA90 30 min dB	Noise Audible
TfN1	1332-1402	71	75	58	FLTx2 around yard dominant. Also emissions from waste breaking/dropping and being swept. Truck x2 manoeuvring around weighbridge area. No other emissions audible apart from intermittent vehicle movements on industrial estate roadway.
TfN2	1437-1507	62	64	49	Emissions from within Immark main building audible. FLT manoeuvring locally. Intermittent traffic on industrial estate roadway dominant when present, particularly passing road sweeper truck. Occasional emissions audible from surrounding commercial premise
TfN3	1404-1434	60	61	58	Emissions from refrigerated trailer at adjacent premises dominant continuously throughout interval. Emissions from Immark FLTx2 around yard also significant. No other sources audible.

FLT - Forklift

Dust Results 2008

	Units	May 2008	June 2008	July 2008
D1	mg/M^2	333	182	177
D2	mg/M^2	266	272	144
D3	mg/M^2	286	226	129
D4	mg/M^2	278	95	91

18 Appendix 4 Bund Inspection Report

1144-1 LM/MAG

04 September, 2008

Immark Ireland Ltd.
Unit 14A1
Greenogue Business Park
Rathcoole
Co. Dublin

Dear Sirs

Liquid retaining structures at The Waste Management/Transfer Station at Greenogue, Rathcoole, Co. Dublin for Immark Ireland Ltd.

We, Molony and Millar are Consulting Engineers retained by Immark Ireland Ltd., in relation to the structural and civil engineering design of the above facility.

We confirm that testing for liquid tightness, in accordance with the requirements of Clause 9.2 of BS 8007: 1987, was carried out and checked by us on the following elements of the construction.

1. The underground storage tank below the hazardous goods stores.
2. Diesel tank bund.
3. The bunded enclosure at the tanker parking bays.
4. Foul water retention tank.

We confirm that following 7-day tests, carried out between 27.8.08 and 2.9.08, that the four above mentioned liquid retaining structures are watertight in accordance with the requirements of Clause 9.2 of BS 8007: 1987.

Yours faithfully

_____

LIAM MOONEY

19 Appendix 5 WEEE Survey

PART ONE - GENERAL COMPANY INFORMATION

****PLEASE COMPLETE ALL SECTIONS****

1	**Year to which Data Applies:**	**Calendar Year 2008**
2	**Company Name:**	**Immark Ireland Ltd.**
3	***Trade Names***	***Formerly: Cedar Resource Management Ltd.***
	Trade Name 1:	
	Trade Name 2:	
	Trade Name 3:	
4	**Number of sites that your company operates:**	**3**
5	**If your company operates more than one site, please indicate if this is a combined return for all sites or an individual return for one site only:**	Combined return
6	***Facility Address(es)***	
	Address 1:	Unit 14A1 Greenogue Business Park, Rathcoole, Co Dublin
	Address 2:	Unit 504/2 Greenogue Business Park, Rathcoole, Co. Dublin
	Address 3:	Farrenbrien, Minane Bridge, Co Cork
	Address 4:	
7	**Addresses for correspondence, if different to above:**	
8	**Contact Name:**	Eugene O'Brien
9	**Postion held within company:**	Operations Supervisor
10	**Telephone Number:**	01 40 10 250
11	**Fax Number:**	01 40 10 260
12	**E-mail:**	eugene@cedar.ie

Please enter the name of the person who will answer any queries we might have about the information submitted.

13 **PART A - In 2008, did your facility accept WEEE?**

Select "yes" or "no"	*Instruction*
Yes	Please complete Part B (below)

PART B - Families of WEEEE acccepted

WEEE families	*Select "yes" or "no"*	*Instruction*	*Done?*
Waste Fridges and Freezers	Yes	Complete Sheet 2. Waste Fridges and Freezers	Yes
Waste White Goods	Yes	Complete Sheet 3. Waste White Goods	Yes
Waste TVs & Monitors	Yes	Complete Sheet 4. Waste TVs & Monitors	Yes
Waste Fluorescent Lamps (incl CFLs)	No	no further information required	No
Waste Light Fittings (B2B)	No	Cmplete Sheet 6. Waste Light Fittings (B2B)	No
Other WEEE	Yes	Complete Sheet 7. Other WEEE	Yes

14 **In 2008, did your facility accept non-WEEE waste?** (e.g. metal packaging, cardboard, plastic packaging)

Select "yes" or "no"	*Instruction*	*Done?*
No	continue to next question	PLEASE SELECT

15 **In 2008, did your facility accept end-of-life vehicles (ELVs) or their components?**

Select "yes" or "no"	*Instruction*	*Done?*
No	continue to next question	PLEASE SELECT

16 **Does your company broker waste?** Yes

i.e. does your company collect or arrange collection of waste from a customer and send it (i) directly abroad or (ii) to a third-party Irish facility WITHOUT bringing it to one of your own sites first?

17 **If YES, please confirm that details on these wastes are included in this Survey:** Yes, brokered waste is included

18 **Additional explanatory text, if necessary:** DID fridges direct from site

19 **EPA Waste Licence Number/ Local Authority Waste Permit Number/ Certificate of Registration Numbers** W0185/01. WPR075. CK(S) 300/6

20 **Please provide a brief description of activities carried out onsite, including the types of wastes accepted onsite:** WEEE collection, segregarion and processing

21 **Additional Information -** Please provide any additional information which may be useful to us in compiling annual statistics on waste recycling or any suggestions on improving this survey

22 **Finally, please confirm that you have read the 'Important Info' sheet:** Yes, I have read the 'Important Info' sheet

Waste Fridges and Freezers - waste acceptance, reuse, treatment and disposal

Please report packaging of WEEE on sheet 8 (non-WEEE waste)

Q.1

1.1 Were any **Waste Fridges and Freezers** brokered by your company in 2008 and sent either (i) directly abroad or (ii) to a third-party Irish facility WITHOUT being brought to one of your own sites first?

Select "yes" or "no"
Yes

if yes, please go to **Q.2**

if no, please go straight to **Q.3**

Q.2

2.1 Please state in tonnes the quantity of **Waste Fridges and Freezers** brokered by your company in 2008. 238.37 tonnes

2.2 How much of this material was sent directly abroad? 238.37 tonnes

2.3 How much of this material was sent to a third-party Irish facility? tonnes

2.4 Please state the onward destinations of the **Waste Fridges and Freezers** brokered and sent directly abroad or to third-party Irish facilities.

Destination	***Licence/permit no. of onward destination (if applicable)***	***Quantity of WEEE brokered***	
Immark Irl, Parkwest Business Park,	W0233/01	238.37	tonnes
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
(Add more rows if necessary - Click 'Insert' and then'Rows')			

please go to **Q.3**

Q.3

3.1 Please state in tonnes the quantity of **Waste Fridges and Freezers** accepted at your facility in 2008. 2019 tonnes

3.2 How much of this material was imported from Northern Ireland or other countries? tonnes

3.3 Please state the quantity of **Waste Fridges and Freezers** in storage at **1 January 2008.** 16 tonnes

3.4 Please state the quantity of **Waste Fridges and Freezers** in storage at **31 December 2008.** 12 tonnes

please go to **Q.4**

Q.4

4.1 How did you assess the quantity of **Waste Fridges and Freezers** accepted at your facility in 2008?

Please choose from the drop-down menu	
weighbridge	All deliveries are weighed
estimate	<give details here>
SELECT	<give details here>

Items of LDA (FF and White Goods) are counted when collected and total weight determined by multiplying quantity by average weights.

please go to **Q.5**

Q.5

5.1 Were any **Waste Fridges and Freezers** reported on in **Q3** pre-treated **prior** to acceptance at your facility?

Select "yes" or "no"
No

if yes, please go to **Q.6**

if no, please go straight to **Q.7**

Q.6

6.1 Please state the quantity of **Waste Fridges and Freezers** that were pre-treated **prior** to acceptance at your facility. tonnes

8.2 Please describe the way in which **Waste Fridges and Freezers** were pre-treated **prior** to acceptance at your facility.

Pre-treatment prior to acceptance at your facility.	***Quantity of waste material treated in this way (tonnes)***
(Add more rows if necessary - Click 'Insert' and then'Rows')	

please go to **Q.7**

Q.7

7.1 In 2008, were any **Waste Fridges and Freezers** prepared for RE-USE at your facility? (***i.e. equipment that was checked, cleaned or repaired to be used again for the purpose for which the equipment was designed.***)

Select "yes" or "no"
No

if yes, please go to **Q.8**

if no, please go straight to **Q.9**

Q.8

8.1 Please state the quantity of whole appliances prepared for **RE-USE** tonnes

8.2 Please state the onward destination of the whole appliances prepared for RE-USE

Destination	***Licence/permit no. of onward destination (if applicable)***	***Quantity of whole appliances***	
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
(Add more rows if necessary - Click 'Insert' and then'Rows')			

8.3 Please state the quantity of parts or components prepared for **RE-USE** tonnes

8.4 Please state the onward destination of the parts or components prepared for RE-USE

Destination	***Licence/permit no. of onward destination (if applicable)***	***Quantity of parts or components***	
			tonnes
			tonnes

			tonnes
(Add more rows if necessary - Click 'Insert' and then'Rows')			

please go to **Q.9**

Q.9

9.1 Were any **Waste Fridges and Freezers** transferred onwards **WITHOUT TREATMENT** from your facility?

Select "yes" or "no"
Yes

if yes, please go to **Q.10**

if no, please go straight to **Q.11**

Q.10

10.1 Please state the quantity of **Waste Fridges and Freezers** transferred onwards **WITHOUT TREATMENT** from your facility**.**

2019 tonnes

10.2 Please state the onward destination of the **Waste Fridges and Freezers** transferred onwards **WITHOUT TREATMENT** from your facility.

Destination	***Licence/permit no. of onward destination (if applicable)***	***Quantity of WEEE transferred***	
Immark Ireland Ltd, Parkwest Business Park,	W0233/01	713	tonnes
European Metal Recycling, Darlaston, UK	EAWML/40099	131	tonnes
Wincanton, Billingham, UK	309935	1175	tonnes
			tonnes
			tonnes
			tonnes
(Add more rows if necessary - Click 'Insert' and then'Rows')			

please go to **Q.11**

Q.11

11.1 Were any **Waste Fridges and Freezers** subjected to **TREATMENT** at your facility?

Select "yes" or "no"
No

if yes, please go to **Q.12**

if no, then you are finished this sheet. Please return to **Sheet 1**.

Q.12

12.1 Please state the quantity of **Waste Fridges and Freezers** subjected to **TREATMENT** at your facility.

tonnes

12.2 Please describe the way in which **Waste Fridges and Freezers** were treated at your facility. If different groups of **Waste Fridges and Freezers** were treated differently, please describe the groups and the treatments applied. Please state the quantities of **Waste Fridges and Freezers** treated in a particular manner.

Treatment methods or techniques used at your facility. Please describe separately for each distinct group of waste equipment.	***Type of waste material treated in this way***	***Quantity of waste material treated in this way (tonnes)***
(Add more rows if necessary - Click 'Insert' and then'Rows')		

please go to **Q.13**

Q.13

13.1 Please state the quantity of waste deriving from **Waste Fridge and Freezer** treatment and dispatched from your facility.

tonnes

13.2 Please provide a description of the type of **Waste Fridge and Freezer** material transferred from your facility; and state the onward destination for further **RECYCLING OR RECOVERY**. ***Please indicate if any material derived from Waste Fridges and Freezers is inseparably mixed with any 'non-WEEE waste removed offsite' reported in Table 2 of Sheet 8.***

Name of destination facility *(including licence/permit reg. no. if Ireland* ***or*** *town and country if abroad)*	***Type of material transferred***	***Quantity of WEEE transferred (tonnes)***	***Recovery rate achieved off-site***
(Add more rows if necessary - Click 'Insert' and then'Rows')			

13.3 Please state the onward destination for the **DISPOSAL OF WASTE** derived from **Waste Fridge and Freezer** treatment. ***Please indicate if any material derived from Waste Fridges and Freezers is inseparably mixed with any 'non-WEEE waste removed offsite' reported in Table 2 of Sheet 8.***

Name of destination facility *(including licence/permit reg. no. if Ireland* ***or*** *town and country if abroad)*	***Type of material transferred***	***Disposal operation (please select from list)***	***Quantity of WEEE transferred (tonnes)***
		SELECT	
		SELECT	
		SELECT	
		SELECT	
		SELECT	
		SELECT	
(Add more rows if necessary - Click 'Insert' and then'Rows')			

please go to **Q.14**

Q.14

14.1 Please state the quantity of recycled materials deriving from **Waste Fridge and Freezer** treatment and dispatched from your facility. ***RECYCLED materials are ready to be used in a production process for new product.***

tonnes

14.2 Please state the nature and onward destination of **RECYCLED MATERIALS** derived from **Waste Fridge and Freezer** treatment. ***Please indicate if any recycled material derived from Waste Fridges and Freezers is inseparably mixed with any 'non-WEEE waste removed offsite' reported in Table 2 of Sheet 8.***

Description of recycled materials	***Name of destination facility*** *(including town and country if abroad)(If confidential, please state whether in Ireland or abroad)*	***Quantity of material dispatched (tonnes)***	***Recovery rate achieved off-site (if applicable)***

(Add more rows if necessary - Click 'Insert' and then'Rows')			

END OF SHEET - please return to Sheet 1 and insert "yes" into the "Done?" column

Waste White Goods - waste acceptance, reuse, treatment and disposal

Please report packaging of WEEE on sheet 8 (non-WEEE waste)

Q.1

1.1 Were any **Waste White Goods** brokered by your company in 2008 and sent either (i) directly abroad or (ii) to a third-party Irish facility **WITHOUT** being brought to one of your own sites first?

Select "yes" or "no"
No

if yes, please go to **Q.2**

if no, please go straight to **Q.3**

Q.2

2.1 Please state in tonnes the quantity of **Waste White Goods** brokered by your company in 2008. _____ tonnes

2.2 How much of this material was sent directly abroad? _____ tonnes

2.3 How much of this material was sent to a third-party Irish facility? _____ tonnes

2.4 Please state the onward destinations of the **Waste White Goods** brokered and sent directly abroad or to third-party Irish facilities.

Destination	*Licence/permit no. of onward destination (if applicable), or town and country if abroad*	*Quantity of WEEE brokered*	
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
(Add more rows if necessary - Click 'Insert' and then'Rows')			

please go to **Q.3**

Q.3

3.1 Please state in tonnes the quantity of **Waste White Goods** accepted at your facility in 2008. 8262 tonnes

3.2 How much of this material was imported from Northern Ireland or other countries? _____ tonnes

3.3 Please state the quantity of **Waste White Goods** in storage at 1 January 2008. _____ tonnes

3.4 Please state the quantity of **Waste White Goods** in storage at 31 December 2008. _____ tonnes

please go to **Q.4**

Q.4

4.1 How did you assess the quantity of **Waste White Goods** accepted at your facility in 2008?

Please choose from the drop-down menu	
weighbridge	All deliveries are weighed
estimate	<give details here>
SELECT	<give details here>
Items of LDA (FF and White Goods) are counted when collected and total weight determined by multiplying quantity by average weights.	

please go to **Q.5**

Q.5

5.1 Were any **Waste White Goods** reported on in Q3 pre-treated **prior** to acceptance at your facility?

Select "yes" or "no"
No

if yes, please go to **Q.6**

if no, please go straight to **Q.7**

Q.6

6.1 Please state the quantity of **Waste White Goods** that were pre-treated **prior** to acceptance at your facility. _____ tonnes

8.2 Please describe the way in which **Waste White Goods** were pre-treated **prior** to acceptance at your facility.

Pre-treatment prior to acceptance at your facility.	*Quantity of waste material treated in this way (tonnes)*
(Add more rows if necessary - Click 'Insert' and then'Rows')	

please go to **Q.7**

Q.7

7.1 In 2008, were any **Waste White Goods** prepared for **RE-USE** at your facility? (**i.e. equipment that was checked, cleaned or repaired to be used again for the purpose for which the equipment was designed.**)

Select "yes" or "no"
No

if yes, please go to **Q.8**

if no, please go straight to **Q.9**

Q.8

8.1 Please state the quantity of whole appliances prepared for **RE-USE** _____ tonnes

8.2 Please state the onward destination of the whole appliances prepared for **RE-USE**

Destination	*Licence/permit no. of onward destination (if applicable)*	*Quantity of whole appliances*	
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
(Add more rows if necessary - Click 'Insert' and then'Rows')			

8.3 Please state the quantity of parts or components prepared for **RE-USE** _____ tonnes

8.4 Please state the onward destination of the parts or components prepared for **RE-USE**

Destination	*Licence/permit no. of onward destination (if applicable)*	*Quantity of parts or components*	
			tonnes

(Add more rows if necessary - Click 'Insert' and then'Rows')		

please go to **Q.9**

Q.9

9.1 Were any **Waste White Goods** transferred onwards **WITHOUT TREATMENT** from your facility? — ***Select "yes" or "no"***: SELECT

if yes, please go to **Q.10** | if no, please go straight to **Q.11**

Q.10

10.1 Please state the quantity of **Waste White Goods** transferred onwards **WITHOUT TREATMENT** from your facility. — tonnes

10.2 Please state the onward destination of the **Waste White Goods** transferred onwards **WITHOUT TREATMENT** from your facility.

Destination	*Licence/permit no. of onward destination (if applicable)*	*Quantity of WEEE transferred*	
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
(Add more rows if necessary - Click 'Insert' and then'Rows')			

please go to **Q.11**

Q.11

11.1 Were any **Waste White Goods** subjected to **TREATMENT** at your facility? — ***Select "yes" or "no"***: Yes

if yes, please go to **Q.12** | if no, then you are finished this sheet. Please return to **Sheet 1**.

Q.12

12.1 Please state the quantity of **Waste White Goods** subjected to **TREATMENT** at your facility. — 8262 tonnes

12.2 Please describe the way in which **Waste White Goods** were treated at your facility. If different groups of **Waste White Goods** were treated differently, please describe the groups and the treatments applied. Please state the quantities of **Waste White Goods** treated in a particular manner.

Treatment methods or techniques used at your facility. Please describe separately for each distinct group of waste equipment.	*Type of waste material treated in this way*	*Quantity of waste material treated in this way (tonnes)*
Depollution and baling - Approx 50% for total		4131
Depollution, shreding and segregation of material streams - Approx 50% for total		4131
(Add more rows if necessary - Click 'Insert' and then'Rows')		

please go to **Q.13**

Q.13

13.1 Please state the quantity of waste deriving from **Waste White Goods** treatment and dispatched from your facility. — 8262 tonnes

13.2 Please provide a description of the type of **Waste White Goods** material transferred from your facility; and state the onward destination for further **RECYCLING OR RECOVERY**. ***Please indicate if any material derived from Waste White Goods is inseparably mixed with any 'non-WEEE waste removed offsite' reported in Table 2 of Sheet 8.***

*Name of destination facility (including licence/permit reg. no. if Ireland **or** town and country if abroad)*	*Type of material transferred*	*Quantity of WEEE transferred (tonnes)*	*Recovery rate achieved off-site*
Thorntons recycling W044/02	Inert residue	1525	80%
S. Norton & Co Liverpool	Ferrous	5193	
Interrec BV, Hellmond, NL	Ferrous	931	
Hammond Lane Ringaskiddy, Cork W0164/01	Ferrous	59	
Thorntons recycling W044/02	Glass	38	
Roadstone Belgard, WPR025	Glass	11	
Polymer Recovery Ltd, Burford, UK	Plastic	66	
Eurokey Recycling Ltd, Enderby BC4/002868	Plastic	41	
The Remet Co. London UK	Stainless	25	
The Remet Co. London UK	Non Ferrous metal	373	
(Add more rows if necessary - Click 'Insert' and then'Rows')			

13.3 Please state the onward destination for the **DISPOSAL OF WASTE** derived from **Waste White Goods** treatment. ***Please indicate if any material derived from Waste White Goods is inseparably mixed with any 'non-WEEE waste removed offsite' reported in Table 2 of Sheet 8.***

*Name of destination facility (including licence/permit reg. no. if Ireland **or** town and country if abroad)*	*Type of material transferred*	*Disposal operation (please select from list)*	*Quantity of WEEE transferred (tonnes)*
		SELECT	
		SELECT	
		SELECT	
		SELECT	
		SELECT	
		SELECT	
(Add more rows if necessary - Click 'Insert' and then'Rows')			

please go to **Q.14**

Q.14

14.1 Please state the quantity of recycled materials deriving from **Waste White Goods** treatment and dispatched from your facility. ***RECYCLED materials are ready to be used in a production process for new product.*** — tonnes

14.2 Please state the nature and onward destination of **RECYCLED MATERIALS** derived from **Waste White Goods** treatment. ***Please indicate if any recycled material derived from Waste White Goods is inseparably mixed with any 'non-WEEE waste removed offsite' reported in Table 2 of Sheet 8.***

Description of recycled materials	*Name of destination facility (including town and country if abroad)(If confidential, please*	*Quantity of material dispatched (tonnes)*	*Recovery rate achieved off-site (if applicable)*

(Add more rows if necessary - Click 'Insert' and then'Rows')			

Waste TVs & Monitors - waste acceptance, reuse, treatment and disposal

Please report on all types of TVs and monitors (including LCD and plasma screens)

Please report packaging of WEEE on sheet 8 (non-WEEE waste)

Q.1

1.1 Were any **Waste TVs & Monitors** brokered by your company in 2008 and sent either (i) directly abroad or (ii) to a third-party Irish facility **WITHOUT** being brought to one of your own sites first?

Select "yes" or "no"
No

if yes, please go to **Q.2**

if no, please go straight to **Q.3**

Q.2

2.1 Please state in tonnes the quantity of **Waste TVs & Monitors** brokered by your company in 2008. _____ tonnes

2.2 How much of this material was sent directly abroad? _____ tonnes

2.3 How much of this material was sent to a third-party Irish facility? _____ tonnes

2.4 Please state the onward destinations of the **Waste TVs & Monitors** brokered and sent directly abroad or to third-party Irish facilities.

Destination	*Licence/permit no. of onward destination (if applicable), or town and country if abroad*	*Quantity of WEEE brokered*	
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
(Add more rows if necessary - Click 'Insert' and then'Rows')			

please go to **Q.3**

Q.3

3.1 Please state in tonnes the quantity of **Waste TVs & Monitors** accepted at your facility in 2008. 2032 tonnes

3.2 How much of this material was imported from Northern Ireland or other countries? _____ tonnes

3.3 Please state the quantity of **Waste TVs & Monitors** in storage at 1 January 2008. _____ tonnes

3.4 Please state the quantity of **Waste TVs & Monitors** in storage at 31 December 2008. _____ tonnes

please go to **Q.4**

Q.4

4.1 How did you assess the quantity of **Waste TVs & Monitors** accepted at your facility in 2008?

Please choose from the drop-down menu	
weighbridge	All deliveries are weighed
estimate	<give details here>
SELECT	<give details here>

Cages of mixed WEEE are weighed and an estimate made of the TV's and monitors

please go to **Q.5**

Q.5

5.1 Were any **Waste TVs & Monitors** reported on in Q3 pre-treated **prior** to acceptance at your facility?

Select "yes" or "no"
No

if yes, please go to **Q.6**

if no, please go straight to **Q.7**

Q.6

6.1 Please state the quantity of **Waste TVs & Monitors** that were pre-treated **prior** to acceptance at your facility. _____ tonnes

8.2 Please describe the way in which **Waste TVs & Monitors** were pre-treated **prior** to acceptance at your facility.

Pre-treatment prior to acceptance at your facility.	*Quantity of waste material treated in this way (tonnes)*
(Add more rows if necessary - Click 'Insert' and then'Rows')	

please go to **Q.7**

Q.7

7.1 In 2008, were any **Waste TVs & Monitors** prepared for **RE-USE** at your facility? (***i.e. equipment that was checked, cleaned or repaired to be used again for the purpose for which the equipment was designed.***)

Select "yes" or "no"
No

if yes, please go to **Q.8**

if no, please go straight to **Q.9**

Q.8

8.1 Please state the quantity of whole appliances prepared for **RE-USE** _____ tonnes

8.2 Please state the onward destination of the whole appliances prepared for **RE-USE**

Destination	*Licence/permit no. of onward destination (if applicable)*	*Quantity of whole appliances*	
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes

(Add more rows if necessary - Click 'Insert' and then'Rows')			

8.3 Please state the quantity of parts or components prepared for **RE-USE** tonnes

8.4 Please state the onward destination of the parts or components prepared for **RE-USE**

Destination	*Licence/permit no. of onward destination (if applicable)*	*Quantity of parts or components*	
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
(Add more rows if necessary - Click 'Insert' and then'Rows')			

please go to **Q.9**

Q.9

9.1 Were any **Waste TVs & Monitors** transferred onwards **WITHOUT TREATMENT** from your facility? — *Select "yes" or "no"*: Yes

if yes, please go to **Q.10** if no, please go straight to **Q.11**

Q.10

10.1 Please state the quantity of **Waste TVs & Monitors** transferred onwards **WITHOUT TREATMENT** from your facility. 1657 tonnes

10.2 Please state the onward destination of the **Waste TVs & Monitors** transferred onwards **WITHOUT TREATMENT** from your facility.

Destination	*Licence/permit no. of onward destination (if applicable)*	*Quantity of WEEE transferred*	
Recycling village, Monisterboice	WP2004/15	1362	tonnes
Global Environmental Recycling Co. Ltd. Birkenhead, UK	EAWML/50120/M02	295	tonnes
			tonnes
			tonnes
			tonnes
			tonnes
(Add more rows if necessary - Click 'Insert' and then'Rows')			

please go to **Q.11**

Q.11

11.1 Were any Waste **TVs & Monitors** subjected to **TREATMENT** at your facility? — *Select "yes" or "no"*: Yes

if yes, please go to **Q.12** if no, then you are finished this sheet. Please return to **Sheet 1**.

Q.12

12.1 Please state the quantity of **Waste TVs & Monitors** subjected to **TREATMENT** at your facility. 375 tonnes

12.2 Please describe the way in which **Waste TVs & Monitors** were treated at your facility. If different groups of **Waste TVs & Monitors** were treated differently, please describe the groups and the treatments applied. Please state the quantities of **Waste TVs & Monitors** treated in a particular manner.

Treatment methods or techniques used at your facility. Please describe separately for each distinct group of waste equipment.	*Type of waste material treated in this way*	*Quantity of waste material treated in this way (tonnes)*
Disassembly	TV's	375
(Add more rows if necessary - Click 'Insert' and then'Rows')		

please go to **Q.13**

Q.13

13.1 Please state the quantity of waste deriving from **Waste TV & Monitor** treatment and dispatched from your facility. 375 tonnes

13.2 Please provide a description of the type of **Waste TV & Monitor** material transferred from your facility; and state the onward destination for further **RECYCLING OR RECOVERY**. ***Please indicate if any material derived from Waste TVs & Monitors is inseparably mixed with any 'non-WEEE waste removed offsite' reported in Table 2 of Sheet 8.***

*Name of destination facility (including licence/permit reg. no. if Ireland **or** town and country if abroad)*	*Type of material transferred*	*Quantity of WEEE transferred (tonnes)*	*Recovery rate achieved off-site*
Recycling village, Monisterboice WP2004/15	Tubes & CRT glass	302	100
(Add more rows if necessary - Click 'Insert' and then'Rows')			

13.3 Please state the onward destination for the DISPOSAL OF WASTE derived from **Waste TV & Monitor** treatment. ***Please indicate if any material derived from Waste TVs & Monitors is inseparably mixed with any 'non-WEEE waste removed offsite' reported in Table 2 of Sheet 8.***

*Name of destination facility (including licence/permit reg. no. if Ireland **or** town and country if abroad)*	*Type of material transferred*	*Disposal operation (please select from list)*	*Quantity of WEEE transferred (tonnes)*
		SELECT	
		SELECT	

		SELECT	
		SELECT	
		SELECT	
		SELECT	
(Add more rows if necessary - Click 'Insert' and then'Rows')			

please go to **Q.14**

Q.14

14.1 Please state the quantity of recycled materials deriving from **Waste TV & Monitor** treatment and dispatched from your facility. **RECYCLED** materials are ready to be used in a production process for new product.

tonnes

14.2 Please state the nature and onward destination of **RECYCLED MATERIALS** derived from **Waste TV & Monitor treatment**. ***Please indicate if any recycled material derived from Waste TVs & Monitors is inseparably mixed with any 'non-WEEE waste removed offsite' reported in Table 2 of Sheet 8.***

Description of recycled materials	***Name of destination facility*** *(including town and country if abroad)(If confidential, please state whether in Ireland or abroad)*	***Quantity of material dispatched (tonnes)***	***Recovery rate achieved off-site (if applicable)***
Plastics	Polymer Recovery, Burford, UK	74	95
(Add more rows if necessary - Click 'Insert' and then'Rows')			

END OF SHEET - please return to Sheet 1 and insert "yes" into the "Done?" column

Waste Fluorescent Lamps - waste acceptance, reuse, treatment and disposal

Please report packaging of WEEE on sheet 8 (non-WEEE waste)

Q.1

1.1 Were any **Waste Fluorescent Lamps** brokered by your company in 2008 and sent either (i) directly abroad or (ii) to a third-party Irish facility **WITHOUT** being brought to one of your own sites first?

Select "yes" or "no"
SELECT

if yes, please go to **Q.2**

if no, please go straight to **Q.3**

Q.2

2.1 Please state in tonnes the quantity of **Waste Fluorescent Lamps** brokered by your company in 2008. _____ tonnes

2.2 How much of this material was sent directly abroad? _____ tonnes

2.3 How much of this material was sent to a third-party Irish facility? _____ tonnes

2.4 Please state the onward destinations of the **Waste Fluorescent Lamps** brokered and sent directly abroad or to third-party Irish facilities.

Destination	*Licence/permit no. of onward destination (if applicable), or town and country if abroad*	*Quantity of WEEE brokered*	
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
(Add more rows if necessary - Click 'Insert' and then'Rows')			

please go to **Q.3**

Q.3

3.1 Please state in tonnes the quantity of **Waste Fluorescent Lamps** accepted at your facility in 2008. _____ tonnes

3.2 How much of this material was imported from Northern Ireland or other countries? _____ tonnes

3.3 Please state the quantity of **Waste Fluorescent Lamps** in storage at 1 January 2008. _____ tonnes

3.4 Please state the quantity of **Waste Fluorescent Lamps** in storage at 31 December 2008. _____ tonnes

please go to **Q.4**

Q.4

4.1 How did you assess the quantity of **Waste Fluorescent Lamps** accepted at your facility in 2008?

Please choose from the drop-down menu	
SELECT	<give details here>
SELECT	<give details here>
SELECT	<give details here>
<provide further details here if necessary>	

please go to **Q.5**

Q.5

5.1 Were any **Waste Fluorescent Lamps** reported on in Q3 pre-treated **prior** to acceptance at your facility?

Select "yes" or "no"
SELECT

if yes, please go to **Q.6**

if no, please go straight to **Q.7**

Q.6

6.1 Please state the quantity of **Waste Fluorescent Lamps** that were pre-treated **prior** to acceptance at your facility. _____ tonnes

8.2 Please describe the way in which **Waste Fluorescent Lamps** were pre-treated **prior** to acceptance at your facility.

Pre-treatment prior to acceptance at your facility.	*Quantity of waste material treated in this way (tonnes)*
(Add more rows if necessary - Click 'Insert' and then'Rows')	

please go to **Q.7**

Q.7

7.1 In 2008, were any **Waste Fluorescent Lamps** prepared for **RE-USE** at your facility? (***i.e. equipment that was checked, cleaned or repaired to be used again for the purpose for which the equipment was designed***.)

Select "yes" or "no"
SELECT

if yes, please go to **Q.8**

if no, please go straight to **Q.9**

Q.8

8.1 Please state the quantity of whole appliances prepared for **RE-USE** _____ tonnes

8.2 Please state the onward destination of the whole appliances prepared for **RE-USE**

Destination	*Licence/permit no. of onward destination (if applicable)*	*Quantity of whole appliances*	
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
(Add more rows if necessary - Click 'Insert' and then'Rows')			

8.3 Please state the quantity of parts or components prepared for **RE-USE** _____ tonnes

8.4 Please state the onward destination of the parts or components prepared for **RE-USE**

Destination	*Licence/permit no. of onward destination (if applicable)*	*Quantity of parts or components*

			tonnes
			tonnes
			tonnes
(Add more rows if necessary - Click 'Insert' and then'Rows')			

please go to **Q.9**

Q.9

9.1 Were any **Waste Fluorescent Lamps** transferred onwards **WITHOUT TREATMENT** from your facility? — ***Select "yes" or "no"*** : SELECT

if yes, please go to **Q.10**

if no, please go straight to **Q.11**

Q.10

10.1 Please state the quantity of **Waste Fluorescent Lamps** transferred onwards **WITHOUT TREATMENT** from your facility. ____ tonnes

10.2 Please state the onward destination of the **Waste Fluorescent Lamps** transferred onwards **WITHOUT TREATMENT** from your facility.

Destination	*Licence/permit no. of onward destination (if applicable)*	*Quantity of WEEE transferred*	
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
(Add more rows if necessary - Click 'Insert' and then'Rows')			

please go to **Q.11**

Q.11

11.1 Were any **Waste Fluorescent Lamps** subjected to **TREATMENT** at your facility? — ***Select "yes" or "no"*** : SELECT

if yes, please go to **Q.12**

if no, then you are finished this sheet. Please return to **Sheet 1**.

Q.12

12.1 Please state the quantity of **Waste Fluorescent Lamps** subjected to **TREATMENT** at your facility. ____ tonnes

12.2 Please describe the way in which **Waste Fluorescent Lamps** were treated at your facility. If different groups of **Waste Fluorescent Lamps** were treated differently, please describe the groups and the treatments applied. Please state the quantities of **Waste Fluorescent Lamps** treated in a particular manner.

Treatment methods or techniques used at your facility. Please describe separately for each distinct group of waste equipment.	*Type of waste material treated in this way*	*Quantity of waste material treated in this way (tonnes)*
(Add more rows if necessary - Click 'Insert' and then'Rows')		

please go to **Q.13**

Q.13

13.1 Please state the quantity of waste deriving from **Waste Fluorescent Lamp** treatment and dispatched from your facility. ____ tonnes

13.2 Please provide a description of the type of **Waste Fluorescent Lamp** material transferred from your facility; and state the onward destination for further **RECYCLING OR RECOVERY**. ***Please indicate if any material derived from Waste Fluorescent Lamps is inseparably mixed with any 'non-WEEE waste removed offsite' reported in Table 2 of Sheet 8.***

Name of destination facility *(including licence/permit reg. no. if Ireland **or** town and country if abroad)*	*Type of material transferred*	*Quantity of WEEE transferred (tonnes)*	*Recovery rate achieved off-site*
(Add more rows if necessary - Click 'Insert' and then'Rows')			

13.3 Please state the onward destination for the **DISPOSAL OF WASTE** derived from **Waste Fluorescent Lamp treatment**. ***Please indicate if any material derived from Waste Fluorescent Lamps is inseparably mixed with any 'non-WEEE waste removed offsite' reported in Table 2 of Sheet 8.***

Name of destination facility *(including licence/permit reg. no. if Ireland **or** town and country if abroad)*	*Type of material transferred*	*Disposal operation (please select from list)*	*Quantity of WEEE transferred (tonnes)*
		SELECT	
		SELECT	
		SELECT	
		SELECT	
		SELECT	
		SELECT	
(Add more rows if necessary - Click 'Insert' and then'Rows')			

please go to **Q.14**

Q.14

14.1 Please state the quantity of recycled materials deriving from **Waste Fluorescent Lamp** treatment and dispatched from your facility. ***RECYCLED materials are ready to be used in a production process for new product.*** ____ tonnes

14.2 Please state the nature and onward destination of **RECYCLED MATERIALS** derived from **Waste Fluorescent Lamp** treatment. ***Please indicate if any recycled material derived from Waste Fluorescent Lamps is inseparably mixed with any 'non-WEEE waste removed offsite' reported in Table 2 of Sheet 8.***

	Name of destination facility *(including town and country if*	*Quantity of material*	*Recovery rate achieved*

(Add more rows if necessary - Click 'Insert' and then'Rows')			

Waste Light Fittings (B2B) - waste acceptance, reuse, treatment and disposal

Please report packaging of WEEE on sheet 8 (non-WEEE waste)

Q.1

1.1 Were any **Waste Light Fittings** brokered by your company in 2008 and sent either (i) directly abroad or (ii) to a third-party Irish facility **WITHOUT** being brought to one of your own sites first?

Select "yes" or "no"
SELECT

if yes, please go to **Q.2**

if no, please go straight to **Q.3**

Q.2

2.1 Please state in tonnes the quantity of **Waste Light Fittings** brokered by your company in 2008. _____ tonnes

2.2 How much of this material was sent directly abroad? _____ tonnes

2.3 How much of this material was sent to a third-party Irish facility? _____ tonnes

2.4 Please state the onward destinations of the **Waste Light Fittings** brokered and sent directly abroad or to third-party Irish facilities.

Destination	*Licence/permit no. of onward destination (if applicable), or town and country if abroad*	*Quantity of WEEE brokered*	
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
(Add more rows if necessary - Click 'Insert' and then'Rows')			

please go to **Q.3**

Q.3

3.1 Please state in tonnes the quantity of **Waste Light Fittings** accepted at your facility in 2008. _____ tonnes

3.2 How much of this material was imported from Northern Ireland or other countries? _____ tonnes

3.3 Please state the quantity of **Waste Light Fittings** in storage at 1 January 2008. _____ tonnes

3.4 Please state the quantity of **Waste Light Fittings** in storage at 31 December 2008. _____ tonnes

please go to **Q.4**

Q.4

4.1 How did you assess the quantity of **Waste Light Fittings** accepted at your facility in 2008?

Please choose from the drop-down menu	
SELECT	<give details here>
SELECT	<give details here>
SELECT	<give details here>
<provide further details here if necessary>	

please go to **Q.5**

Q.5

5.1 Were any **Waste Light Fittings** reported on in Q3 pre-treated **prior** to acceptance at your facility?

Select "yes" or "no"
SELECT

if yes, please go to **Q.6**

if no, please go straight to **Q.7**

Q.6

6.1 Please state the quantity of **Waste Light Fittings** that were pre-treated **prior** to acceptance at your facility. _____ tonnes

8.2 Please describe the way in which **Waste Light Fittings** were pre-treated **prior** to acceptance at your facility.

Pre-treatment prior to acceptance at your facility.	*Quantity of waste material treated in this way (tonnes)*
(Add more rows if necessary - Click 'Insert' and then'Rows')	

please go to **Q.7**

Q.7

7.1 In 2008, were any **Waste Light Fittings** prepared for **RE-USE** at your facility? (I.e. equipment that was checked, cleaned or repaired to be used again for the purpose for which the equipment was designed.)

Select "yes" or "no"
SELECT

if yes, please go to **Q.8**

if no, please go straight to **Q.9**

Q.8

8.1 Please state the quantity of whole appliances prepared for **RE-USE** _____ tonnes

8.2 Please state the onward destination of the whole appliances prepared for **RE-USE**

Destination	*Licence/permit no. of onward destination (if applicable)*	*Quantity of whole appliances*	
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
(Add more rows if necessary - Click 'Insert' and then'Rows')			

8.3 Please state the quantity of parts or components prepared for **RE-USE** _____ tonnes

8.4 Please state the onward destination of the parts or components prepared for **RE-USE**

	Licence/permit no. of onward	*Quantity of parts or*

			tonnes
			tonnes
			tonnes
(Add more rows if necessary - Click 'Insert' and then'Rows')			

please go to **Q.9**

Q.9

9.1 Were any **Waste Light Fittings** transferred onwards **WITHOUT TREATMENT** from your facility? — ***Select "yes" or "no"*** : SELECT

if yes, please go to **Q.10** | if no, please go straight to **Q.11**

Q.10

10.1 Please state the quantity of **Waste Light Fittings** transferred onwards **WITHOUT TREATMENT** from your facility. ____ tonnes

10.2 Please state the onward destination of the **Waste Light Fittings** transferred onwards **WITHOUT TREATMENT** from your facility.

Destination	*Licence/permit no. of onward destination (if applicable)*	*Quantity of WEEE transferred*	
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
(Add more rows if necessary - Click 'Insert' and then'Rows')			

please go to **Q.11**

Q.11

11.1 Were any **Waste Light Fittings** subjected to **TREATMENT** at your facility? — ***Select "yes" or "no"*** : SELECT

if yes, please go to **Q.12** | if no, then you are finished this sheet. Please return to **Sheet 1**.

Q.12

12.1 Please state the quantity of **Waste Light Fittings** subjected to **TREATMENT** at your facility. ____ tonnes

12.2 Please describe the way in which **Waste Light Fittings** were treated at your facility. If different groups of **Waste Light Fittings** were treated differently, please describe the groups and the treatments applied. Please state the quantities of **Waste Light Fittings** treated in a particular manner.

Treatment methods or techniques used at your facility. Please describe separately for each distinct group of waste equipment.	*Type of waste material treated in this way*	*Quantity of waste material treated in this way (tonnes)*
(Add more rows if necessary - Click 'Insert' and then'Rows')		

please go to **Q.13**

Q.13

13.1 Please state the quantity of waste deriving from **Waste Light Fitting** treatment and dispatched from your facility. ____ tonnes

13.2 Please provide a description of the type of **Waste Light Fitting** material transferred from your facility; and state the onward destination for further **RECYCLING OR RECOVERY**. ***Please indicate if any material derived from Waste Light Fittings is inseparably mixed with any 'non-WEEE waste removed offsite' reported in Table 2 of Sheet 8.***

Name of destination facility *(including licence/permit reg. no. if Ireland **or** town and country if abroad)*	*Type of material transferred*	*Quantity of WEEE transferred (tonnes)*	*Recovery rate achieved off-site*
(Add more rows if necessary - Click 'Insert' and then'Rows')			

13.3 Please state the onward destination for the **DISPOSAL OF WASTE** derived from **Waste Light Fitting** treatment. ***Please indicate if any material derived from Waste Light Fittings is inseparably mixed with any 'non-WEEE waste removed offsite' reported in Table 2 of Sheet 8.***

Name of destination facility *(including licence/permit reg. no. if Ireland **or** town and country if abroad)*	*Type of material transferred*	*Disposal operation (please select from list)*	*Quantity of WEEE transferred (tonnes)*
		SELECT	
		SELECT	
		SELECT	
		SELECT	
		SELECT	
		SELECT	
(Add more rows if necessary - Click 'Insert' and then'Rows')			

please go to **Q.14**

Q.14

14.1 Please state the quantity of recycled materials deriving from **Waste Light Fitting** treatment and dispatched from your facility. **RECYCLED** materials are ready to be used in a production process for new product. ____ tonnes

14.2 Please state the nature and onward destination of **RECYCLED MATERIALS** derived from **Waste Light Fitting** treatment. ***Please indicate if any recycled material derived from Waste Light Fittings is inseparably mixed with any 'non-WEEE waste removed offsite' reported in Table 2 of Sheet 8.***

	Name of destination facility		

(Add more rows if necessary - Click 'Insert' and then'Rows')			

END OF SHEET - please return to Sheet 1 and insert "yes" into the "Done?" column

Other WEEE - waste acceptance, reuse, treatment and disposal

Please report packaging of WEEE on sheet 8 (non-WEEE waste)

Q.1

1.1 Was any **Other WEEE** brokered by your company in 2008 and sent either (i) directly abroad or (ii) to a third-party Irish facility WITHOUT being brought to one of your own sites first?

Select "yes" or "no"
No

if yes, please go to **Q.2**

if no, please go straight to **Q.3**

Q.2

2.1 Please state in tonnes the quantity of **Other WEEE** brokered by your company in 2008. tonnes

2.2 How much of this material was sent directly abroad? tonnes

2.3 How much of this material was sent to a third-party Irish facility? tonnes

2.4 Please state the onward destinations of the **Other WEEE** brokered and sent directly abroad or to third-party Irish facilities.

Destination	*Licence/permit no. of onward destination (if applicable), or town and country if abroad*	*Quantity of WEEE brokered*	
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
(Add more rows if necessary - Click 'Insert' and then'Rows')			

please go to **Q.3**

Q.3

3.1 Please state in tonnes the quantity of **Other WEEE** accepted at your facility in 2008. 2740 tonnes

3.2 How much of this material was imported from Northern Ireland or other countries? tonnes

3.3 Please state the quantity of **Other WEEE** in storage at 1 January 2008. tonnes

3.4 Please state the quantity of **Other WEEE** in storage at 31 December 2008. tonnes

please go to **Q.4**

Q.4

4.1 How did you assess the quantity of **Other WEEE** accepted at your facility in 2008?

Please choose from the drop-down menu	
weighbridge	All deliveries are weighed
estimate	<give details here>
SELECT	<give details here>

Cages of mixed WEEE are weighed and an estimate made of the IT and Small Domestic Appliances. Cross streaming between categories is inevitable.

please go to **Q.5**

Q.5

5.1 Was any **Other WEEE** reported on in Q3 pre-treated prior to acceptance at your facility?

Select "yes" or "no"
No

if yes, please go to **Q.6**

if no, please go straight to **Q.7**

Q.6

6.1 Please state the quantity of **Other WEEE** that were pre-treated prior to acceptance at your facility. tonnes

8.2 Please describe the way in which **Other WEEE** was pre-treated prior to acceptance at your facility.

Pre-treatment prior to acceptance at your facility.	*Quantity of waste material treated in this way (tonnes)*
(Add more rows if necessary - Click 'Insert' and then'Rows')	

please go to **Q.7**

Q.7

7.1 In 2008, was any **Other WEEE** prepared for **RE-USE** at your facility? (I.e. equipment that was checked, cleaned or repaired to be used again for the purpose for which the equipment was designed.)

Select "yes" or "no"
No

if yes, please go to **Q.8**

if no, please go straight to **Q.9**

Q.8

8.1 Please state the quantity of whole appliances prepared for **RE-USE** tonnes

8.2 Please state the onward destination of the whole appliances prepared for **RE-USE**

Destination	*Licence/permit no. of onward destination (if applicable)*	*Quantity of whole appliances*	
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
(Add more rows if necessary - Click 'Insert' and then'Rows')			

8.3 Please state the quantity of parts or components prepared for **RE-USE** tonnes

8.4 Please state the onward destination of the parts or components prepared for **RE-USE**

Destination	*Licence/permit no. of onward destination (if applicable)*	*Quantity of parts or components*

			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
(Add more rows if necessary - Click 'Insert' and then'Rows')			

please go to **Q.9**

Q.9

9.1 Was any **Other WEEE** transferred onwards **WITHOUT TREATMENT** from your facility?

Select "yes" or "no"
No

if yes, please go to **Q.10**

if no, please go straight to **Q.11**

Q.10

10.1 Please state the quantity of **Other WEEE** transferred onwards **WITHOUT TREATMENT** from your facility.

	tonnes

10.2 Please state the onward destination of the **Other WEEE** transferred onwards **WITHOUT TREATMENT** from your facility.

Destination	***Licence/permit no. of onward destination (if applicable)***	***Quantity of WEEE transferred***	
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
			tonnes
(Add more rows if necessary - Click 'Insert' and then'Rows')			

please go to **Q.11**

Q.11

11.1 Was any **Other WEEE** subjected to **TREATMENT** at your facility?

Select "yes" or "no"
Yes

if yes, please go to **Q.12**

if no, then you are finished this sheet. Please return to **Sheet 1**.

Q.12

12.1 Please state the quantity of **Other WEEE** subjected to **TREATMENT** at your facility.

2740	tonnes

12.2 Please describe the way in which **Other WEEE** was treated at your facility. If different groups of **Other WEEE** were treated differently, please describe the groups and the treatments applied. Please state the quantities of **Other WEEE** treated in a particular manner.

Treatment methods or techniques used at your facility. Please describe separately for each distinct group of waste equipment.	***Type of waste material treated in this way***	***Quantity of waste material treated in this way (tonnes)***
Depolluting- Removal of cable, batteries, toner ink etc.	SDA & IT	2740
(Add more rows if necessary - Click 'Insert' and then'Rows')		

please go to **Q.13**

Q.13

13.1 Please state the quantity of waste deriving from **Other WEEE** treatment and dispatched from your facility.

2740	tonnes

13.2 Please provide a description of the type of **Other WEEE** material transferred from your facility; and state the onward destination for further **RECYCLING OR RECOVERY**. ***Please indicate if any material derived from Other WEEE is inseparably mixed with any 'non-WEEE waste removed offsite' reported in Table 2 of Sheet 8.***

Name of destination facility *(including licence/permit reg. no. if Ireland **or** town and country if abroad)*	***Type of material transferred***	***Quantity of WEEE transferred (tonnes)***	***Recovery rate achieved off-site***
S. Norton & Co Liverpool	SDA	864	
Immark Parkwest, W0233/01	SDA & IT, fluorescent tubes	1336	
Thorntons recycling W044/02	Wood	45	
Rilta Environmental, W0192/01	Toner	4.6	
Recycling appeal	Toner	1.2	
The Remet Co. London UK	Non Fe metals	223	
Conservation Technology	Flourescent tubes	0.16	
Enva Portlaoise W0185/01	Waste oil	6	
Greyhound W0095/02	Cardboard and pallet wrap	18	
Recycling village, Monisterboice WP2004/15	Batteries	9	
BMI UK, Keysoe UK.	IT Components	17	
Interrec BV, Hellmond, NL	IT Components	202	
Interrec BV Ireland, WMP 12	IT Components	15	
(Add more rows if necessary - Click 'Insert' and then'Rows')			

13.3 Please state the onward destination for the **DISPOSAL OF WASTE** derived from **Other WEEE** treatment. ***Please indicate if any material derived from Other WEEE is inseparably mixed with any 'non-WEEE waste removed offsite' reported in Table 2 of Sheet 8.***

Name of destination facility *(including licence/permit reg. no. if Ireland **or** town and country if abroad)*	***Type of material transferred***	***Disposal operation (please select from list)***	***Quantity of WEEE transferred (tonnes)***
		SELECT	
		SELECT	
		SELECT	
		SELECT	
		SELECT	
		SELECT	
(Add more rows if necessary - Click 'Insert' and then'Rows')			

please go to **Q.14**

Q.14

14.1 Please state the quantity of recycled materials deriving from **Other WEEE** treatment and dispatched from your facility. **RECYCLED** materials are ready to be used in a production process for new product.

tonnes

14.2 Please state the nature and onward destination of **RECYCLED MATERIALS** derived from **Other WEEE** treatment. ***Please indicate if any recycled material derived from Other WEEE is inseparably mixed with any 'non-WEEE waste removed offsite' reported in Table 2 of Sheet 8.***

Description of recycled materials	***Name of destination facility*** *(including town and country if abroad)(If confidential, please state whether in Ireland or abroad)*	***Quantity of material dispatched (tonnes)***	***Recovery rate achieved off-site (if applicable)***
(Add more rows if necessary - Click 'Insert' and then'Rows')			

END OF SHEET - please return to Sheet 1 and insert "yes" into the "Done?" column

20 Appendix 6 AER Returns Worksheet

Environmental Protection Agency

AER Returns Worksheet

Version 1.1.04

REFERENCE YEAR	2008

1. FACILITY IDENTIFICATION

Parent Company Name	Cedar Resource Management Limited
Facility Name	Cedar Resource Management Limited
PRTR Identification Number	W0185
Licence Number	W0185-01

Waste or IPPC Classes of Activity

No.	class_name
4.13	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.
3.7	Physico-chemical treatment not referred to elsewhere in this Schedule (including evaporation, drying and calcination) which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1. to 10. of t...
3.11	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
3.12	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.
3.13	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.
4.2	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).
4.3	Recycling or reclamation of metals and metal compounds.
4.4	Recycling or reclamation of other inorganic materials.
4.11	Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.
4.12	Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.

Address 1	Site No. 14A1
Address 2	Greenogue Business Park
Address 3	Rathcoole
Address 4	Co. Dublin
Country	Ireland
Coordinates of Location	0.000
River Basin District	IEEA
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
AER Returns Contact Name	Donal Monahan
AER Returns Contact Email Address	niamhp@cedar.ie
AER Returns Contact Position	Facility Manager
AER Returns Contact Telephone Number	01 4010250
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	
Production Volume	0.0
Production Volume Units	

Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	0
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5c	Installations for the disposal of non-hazardous waste

3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)

Is it applicable?	No
Have you been granted an exemption ?	No
If applicable which activity class applies (as per Schedule 2 of the regulations) ?	
Is the reduction scheme compliance route being used ?	

4.1 RELEASES TO AIR

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR								
POLLUTANT		METHOD				QUANTITY		
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING PRTR POLLUTANTS

RELEASES TO AIR								
POLLUTANT		METHOD				QUANTITY		
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION C : REMAINING POLLUTANT EMISSIONS (As required in your Licence)

RELEASES TO AIR								
POLLUTANT		METHOD				QUANTITY		
			Method Used					
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
210	Dust	E	Estimate		58.0	58.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

Additional Data Requested from Landfill operators

For the purposes of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane) flared or utilised on their facilities to accompany the figures for total methane generated. Operators should only report their Net methane (CH4) emission to the environment under T(total) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table below:

Landfill: Cedar Resource Management Limited

Please enter summary data on the quantities of methane flared and / or utilised	T (Total) kg/Year	M/C/E	Method Used: Method Code	Method Used: Designation or Description	Facility Total Capacity m3 per hour	
Total estimated methane generation (as per site model)	0.0				N/A	
Methane flared	0.0				0.0	(Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0	(Total Utilising Capacity)
Net methane emission (as reported in Section A above)	0.0				N/A	

4.2 RELEASES TO WATERS

| PRTR# : W0185 | Facility Name : Cedar Resource Management Limited | Filename : W0185_2008.xls | Return Year : 2008 | 17/04/2009 15:13

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as t

RELEASES TO WATERS								
POLLUTANT					QUANTITY			
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING PRTR POLLUTANTS

RELEASES TO WATERS								
POLLUTANT					QUANTITY			
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION C : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

RELEASES TO WATERS								
POLLUTANT					QUANTITY			
			Method Used					
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

4.3 RELEASES TO WASTEWATER OR SEWER

| PRTR# : W0185 | Facility Name : Cedar Resource Management Limited | Filename : W0185_2008 17/04/2009 15:13

SECTION A : PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER								
POLLUTANT		METHOD			QUANTITY			
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER								
POLLUTANT		METHOD			QUANTITY			
			Method Used					
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

4.4 RELEASES TO LAND

SECTION A : PRTR POLLUTANTS

RELEASES TO LAND							
POLLUTANT		METHOD			QUANTITY		
			Method Used				
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

RELEASES TO LAND							
POLLUTANT		METHOD			QUANTITY		
			Method Used				
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					0.0	0.0	0.0

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : W0185 | Facility Name : Cedar Resource Management Limited | Filename : W0185_2008.xls | Return Year : 2008 | 17/04/2009 15:13

0

Transfer Destination	European Waste Code	Hazardous	Quantity T/Year	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Name and Licence / Permit No. of Recoverer / Disposer / Broker	Address of Recoverer / Disposer / Broker	Name and Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)	Licence / Permit No. of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)	
						M/C/E	Method Used						
To Other Countries	07 05 01	Yes	4.0	Aqueous wash liquors and wash waters	D10	M	Weighed	Abroad	Indaver Ireland / W0036-02	Tolka Quay Road, Dublin Port, Dublin 1	Kommunekemi a/s, Lindholmwej 3, 5800 Nyborg	1.003.042.669	
To Other Countries	07 05 04	Yes	0.49	Other organic solvent, wash liquids and mother liquors	D10	M	Weighed	Abroad	Indaver Ireland / W0036-02	Tolka Quay Road, Dublin Port, Dublin 1	Kommunekemi a/s, Lindholmwej 3, 5800 Nyborg	1.003.042.669	
To Other Countries	07 05 13	Yes	27.65	Solid waste containing dangerous substances	D10	M	Weighed	Abroad	Indaver Ireland / W0036-02	Tolka Quay Road, Dublin Port, Dublin 1	Kommunekemi a/s, Lindholmwej 3, 5800 Nyborg	1.003.042.669	
Within the Country	08 01 11	Yes	0.95	Waste paint and varnish containing organic solvents or other dangerous substances	D10	M	Weighed	Abroad	Indaver Ireland / W0036-02	Tolka Quay Road, Dublin Port, Dublin 1	Kommunekemi a/s, Lindholmwej 3, 5800 Nyborg	1.003.042.669	
To Other Countries	08 04 09	Yes	5.38	Waste adhesives and sealers containing organic solvents or other dangerous substances	D10	M	Weighed	Abroad	Indaver Ireland / W0036-02	Tolka Quay Road, Dublin Port, Dublin 1	Kommunekemi a/s, Lindholmwej 3, 5800 Nyborg	1.003.042.669	
To Other Countries	08 04 15	Yes	1.56	Aquous liquid wastes containing organic solvents or other dangerous substances	D10	M	Weighed	Abroad	Indaver Ireland / W0036-02	Tolka Quay Road, Dublin Port, Dublin 1	Kommunekemi a/s, Lindholmwej 3, 5800 Nyborg	1.003.042.669	
To Other Countries	13 07 01	Yes	0.8	Fuel oil and diesel	D10	M	Weighed	Abroad	Indaver Ireland / W0036-02	Tolka Quay Road, Dublin Port, Dublin 1	Kommunekemi a/s, Lindholmwej 3, 5800 Nyborg	1.003.042.669	
To Other Countries	15 01 10	Yes	11.74	Paskaging containing residues of or contaminated by dangerous substances	D10	M	Weighed	Abroad	Indaver Ireland / W0036-02	Tolka Quay Road, Dublin Port, Dublin 1	Kommunekemi a/s, Lindholmwej 3, 5800 Nyborg	1.003.042.669	
Within the Country	15 01 10	Yes	0.24	Paskaging containing residues of or contaminated by dangerous substances	R3	M	Weighed	Abroad	Indaver Ireland / W0036-02	Tolka Quay Road, Dublin Port, Dublin 1	Afvalstoffen Terminal Moerdijk BV, Vlasweg 12, NL 4782 PW Moerdijk PO Box 4780 AA, Moerdijk, Seaport M152, Netherlands		389167
To Other Countries	15 02 02	Yes	11.45	Absorbants, filter materials (including oil filters not otherwisespecified) wiping cloths, protective clothing contaminated by dangerous substances	D10	M	Weighed	Abroad	Indaver Ireland / W0036-02	Tolka Quay Road, Dublin Port, Dublin 1	Kommunekemi a/s, Lindholmwej 3, 5800 Nyborg	1.003.042.669	
Within the Country	15 02 02	Yes	3.1	Absorbants, filter materials (including oil filters not otherwisespecified) wiping cloths, protective clothing contaminated by dangerous substances	R3	M	Weighed	Abroad	Indaver Ireland / W0036-02	Tolka Quay Road, Dublin Port, Dublin 1	Afvalstoffen Terminal Moerdijk BV, Vlasweg 12, NL 4782 PW Moerdijk PO Box 4780 AA, Moerdijk, Seaport M152, Netherlands		389167
To Other Countries	16 02 09	Yes	2.58	Transformers and capacitors containing PCB's	R4	M	Weighed	Abroad	Indaver Ireland / W0036-02	Tolka Quay Road, Dublin Port, Dublin 1	Envio Recycling GmbH & Co. KG, Dortmund, Germany	064485 EV	
To Other Countries	16 03 03	Yes	7.97	Inorganic waste containing dangerous substances	D10	M	Weighed	Abroad	Indaver Ireland / W0036-02	Tolka Quay Road, Dublin Port, Dublin 1	Kommunekemi a/s, Lindholmwej 3, 5800 Nyborg	1.003.042.669	
To Other Countries	16 03 05	Yes	1.47	Organic waste containing dangerous substances	D10	M	Weighed	Abroad	Indaver Ireland / W0036-02	Tolka Quay Road, Dublin Port, Dublin 1	Kommunekemi a/s, Lindholmwej 3, 5800 Nyborg	1.003.042.669	
Within the Country	16 05 04	Yes	0.33	Gasses in pressure containers (including halons) containing dangerous substances	D10	M	Weighed	Abroad	Indaver Ireland / W0036-02	Tolka Quay Road, Dublin Port, Dublin 1	Kommunekemi a/s, Lindholmwej 3, 5800 Nyborg	1.003.042.669	
Within the Country	16 05 06	Yes	0.23	Laboratory chemicals consisting of or containing dangerous substances including mixtures of laboratory chemicals	D10	M	Weighed	Abroad	Indaver Ireland / W0036-02	Tolka Quay Road, Dublin Port, Dublin 1	Kommunekemi a/s, Lindholmwej 3, 5800 Nyborg	1.003.042.669	
Within the Country	16 05 07	Yes	4.17	Discarde inorganic chemicals consisting of or containing dangerous substances	D10	M	Weighed	Abroad	Indaver Ireland / W0036-02	Tolka Quay Road, Dublin Port, Dublin 1	AVG, Abfall Verwertungs-Gesellschaft mbH, Borsigstrasse 2, 22113, Hamburg, Germany	BOIVS0013	

Transfer Destination	European Waste Code	Hazardous	Quantity T/Year	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Name and Licence / Permit No. of Recoverer / Disposer / Broker	Address of Recoverer / Disposer / Broker	Name and Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)	Licence / Permit No. of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)	
						M/C/E	Method Used						
Within the Country	16 05 08	Yes	10.59	Discarded organic chemicals consisting of or containing dangerous substances	D10	M	Weighed	Abroad	Indaver Ireland / W0036-02	Tolka Quay Road, Dublin Port, Dublin 1	AVG, Abfall Verwertungs-Gesellschaft mbH, Borsigstrasse 2, 22113, Hamburg, Germany	BOIVS0013	
Within the Country	16 05 08	Yes	14.15	Discarded organic chemicals consisting of or containing dangerous substances	D10	M	Weighed	Abroad	Indaver Ireland / W0036-02	Tolka Quay Road, Dublin Port, Dublin 1	Kommunekemi a/s, Lindholmwej 3, 5800 Nyborg	1.003.042.669	
To Other Countries	19 02 08	Yes	98.5	Liquid combustible wastes containing dangerous substances	D10	M	Weighed	Abroad	Kommunekemic a/s, 1.003.042.669	Kommunekemi a/s, Lindholmwej 3, 5800 Nyborg	Kommunekemi a/s, Lindholmwej 3, 5800 Nyborg	1.003.042.669	
Within the Country	20 01 19	Yes	0.07	Pesticides	D10	M	Weighed	Abroad	Indaver Ireland / W0036-02	Tolka Quay Road, Dublin Port, Dublin 1	Kommunekemi a/s, Lindholmwej 3, 5800 Nyborg	1.003.042.669	
Within the Country	20 01 27	Yes	4.53	Paints Inks adhesives and resins containing dangerous substances	R3	M	Weighed	Abroad	Indaver Ireland / W0036-02	Tolka Quay Road, Dublin Port, Dublin 1	AVG, Abfall Verwertungs-Gesellschaft mbH, Borsigstrasse 2, 22113, Hamburg, Germany	BOIVS0013	
Within the Country	13 02 08	Yes	6.0	Other engine, gear and librication oils	R9	M	Weighed	Offsite in Ireland	Enva Ireland, W0184-01	Clonminham Industrial Estate, Portlaoise	Enva Ireland Ltd., clonminham Industrial Estate, Portlaoise, Co. Laois	W0184-01	
Within the Country	20 01 21	Yes	2.3	Flourescent tubes and other mercury containing wastes	R13	M	Weighed	Offsite in Ireland	Techrec Ireland W0233-01	51 Parkwest Business Park, Nanger Road, Dublin 12	Irish Lamp Recycling Ltd., Woodstock Industrial Estate, Kilkenny Road, Athy, Co. Kildare	WP 02-2000B	
To Other Countries	20 01 23	Yes	131.0	Discarded equipment containing chlorofuorocarbons	R4	M	Weighed	Abroad	EMR (European Metal Recyclinf Ltd. EAWML 40099	Bentley Road South. Darlaston, WS108LW, West Midlands, UK	EMR. Bentley Road South, Darlaston, WS10 8LW, West Midlands, UK	EAWML 40099	
Within the Country	20 01 23	Yes	713.0	Discarded equipment containing chlorofuorocarbons	R13	M	Weighed	Abroad	Techrec Irl W0233-01	51 Parkwest Business Park, Nanger Road, Dublin 12	Techrec (NI) Ltd.2006. 110 Trewmount Road, Killyman, Dungannon, BT71 4BY	LN/04/07/A	
To Other Countries	20 01 23	Yes	1208.1	Discarded equipment containing chlorofuorocarbons	R4	M	Weighed	Abroad	Wincanton Group. 309953	Macklin Avenue, Cowpwn Lane Ind. Est. Billingham, Cleveland, TS23 4BY	Wincanton Group, Macklin Avenue, Cowpen Lane Ind. Est. Billingham, Cleveland, TS23 4BY		309953
Within the Country	20 01 33	Yes	9.0	Batteries and acccumulators including in 16 06 01, 10 06 02 or 16 06 03 and unsorted batteries and accumulators	R13	M	Weighed	Offsite in Ireland	The Recycling Village WP2004/15	Unit4a, Tenure Business Park, Monisterboyce, Drogheda, Co. Louth	The Recycling Village, Unit4a, Tenure Business Park, Drogheda, Co. Louth	WP 2004/15	
Within the Country	20 01 33	Yes	2.7	Batteries and acccumulators including in 16 06 01, 10 06 02 or 16 06 03 and unsorted batteries and accumulators	R13	M	Weighed	Offsite in Ireland	Techrec Ireland W0233-01	51 Parkwest Business Park, Nanger Road, Dublin 12	Returnbatt Ltd, Oldmill Ind. Est, Oldmilltown, Naas, Co Kildare	97 2002A	
To Other Countries	20 01 35	Yes	295.0	Discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components	R4	M	Weighed	Abroad	Global Recycling Co. Ltd. EAWML 50120/M02	Unit D, Maritime BusinessPark, Campbeltown Road, Birkenhead, Wirral, CH41 9HP. UK	Global Recycling Co. Ltd, Unit D, Campbelton Road, Wirral, CH41 9HP	EAWML 50120/M02	
Within the Country	20 01 35	Yes	1172.0	Discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components	R4	M	Weighed	Offsite in Ireland	The Recycling Village WP2004/15	Unit4a, Tenure Business Park, Monisterboyce, Drogheda, Co. Louth	The Recycling Village, Unit4a, Tenure Business Park, Drogheda, Co. Louth	WP 2004/15	
Within the Country	20 01 35	Yes	5.6	Discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components	R13	M	Weighed	Offsite in Ireland	Interrec BV Ireland Ltd. WMP012	Castletown, Mountrath, Co. Laois	Interrec Ireland BV Ltd. Castletown, Mountrath, Co. Laois	WMP012	
Within the Country	20 01 21	Yes	2.0	Flourescent tubes and other mercury containing wastes	R13	M	Weighed	Abroad	Conservation Technology Ltd. WP98092	Davit Road, Dublin 12	Mercury Recycling Ltd. Mercury House, 17 Commerce Way, Trafford Park, Manchester, M17 1HW. UK	YP3735SS	
Within the Country	15 01 01	No	14.238	Paper and cardboard packaging	R13	M	Weighed	Offsite in Ireland	Greyhound Recycling and Recovery Ltd., W0205-01	Crag Avenue, Clondalkin, Dublin 22			

Transfer Destination	European Waste Code	Hazardous	Quantity T/Year	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Name and Licence / Permit No. of Recoverer / Disposer / Broker	Address of Recoverer / Disposer / Broker	Name and Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)	Licence / Permit No. of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	15 01 02	No	3.762	Plastic packaging	R13	M	Weighed	Offsite in Ireland	Greyhound Recycling and Recovery Ltd., W0205-01	Crag Avenue, Clondalkin, Dublin 22		
To Other Countries	16 02 14	No	16.92	Discarded electrical and electronic equipment other than those mentioned in 20 20 21, 20 01 23 and 20 01 35	R4	M	Weighed	Abroad	BMI UK D53	London End Farm, Keysoe Row East, Keysoe, Beds, MK44 2JD		
To Other Countries	16 02 14	No	12.837	Discarded equipment other than those mentioned in 16 02 09 to 16 02 13	R4	M	Weighed	Abroad	S Norton & Co Ltd. WML 195/02/M01	Bankfield House, Bankfield Mill, Regent Road, L20 8RQ, Liverpool		
Within the Country	16 02 14	No	8.982	Discarded equipment other than those mentioned in 16 02 09 to 16 02 13	R4	M	Weighed	Offsite in Ireland	Interrec BV Ireland Ltd. WMP012	Castletown, Mountrath, Co. Laois		
To Other Countries	16 02 16	No	178.272	Components removed from discarded equipment other than those mentioned in 16 02 15	R4	M	Weighed	Abroad	Interrec BV INT-080326-EML-1124-RK	Korte Beemd 2, 4-6 Helmond, 5705 NL		
To Other Countries	16 02 16	No	596.0	Components removed from discarded equipment other than those mentioned in 16 02 15	R4	M	Weighed	Abroad	The Remet Co. London 80115	9 Cody Business Centre, Cody Road, E16 4SR, London, UK		
To Other Countries	19 10 01	No	931.0	Iron and Steel waste	R4	M	Weighed	Abroad	Interrec BV INT-080326-EML-1124-RK	Korte Beemd 2, 4-6 Helmond, 5705 NL		
To Other Countries	19 10 01	No	5196.0	Iron and Steel waste	R4	M	Weighed	Abroad	S Norton & Co Ltd. WML 195/02/M01	Bankfield House, Bankfield Mill, Regent Road, L20 8RQ, Liverpool		
To Other Countries	19 10 02	No	25.814	Non ferrous waste	R4	M	Weighed	Abroad	The Remet Co. London 80115	9 Cody Business Centre, Cody Road, E16 4SR, London, UK		
To Other Countries	19 12 04	No	41.255	Plastic and rubber	R3	M	Weighed	Abroad	Eurokey Recycling / BC4/002867 &8	Quartz Close, Warrens Industrial Res. Enderby, Leicester, LE19 4SG		
To Other Countries	19 12 04	No	140.0	Plastic and rubber	R3	M	Weighed	Abroad	Polymer Recovery Ltd.	Island House, Lower High Street, Burford, Oxfordshire, OK18 4RR		
Within the Country	19 12 05	No	11.0	Glass	R5	M	Weighed	Offsite in Ireland	Roadstone Dublin Ltd. /WPR025	Fortunestown, Tallaght, Dublin 24		
Within the Country	19 12 05	No	38.0	Glass	R5	M	Weighed	Offsite in Ireland	Thorntons Recycling W044-02	Kileen Road, Ballyfermot, Dublin 10		
Within the Country	19 12 07	No	45.0	Wood other than those mentioned in 19 12 06	R3	M	Weighed	Offsite in Ireland	Thorntons Recycling W044-02	Kileen Road, Ballyfermot, Dublin 10		
Within the Country	19 12 12	No	1440.62	Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R3	M	Weighed	Offsite in Ireland	Thorntons Recycling W044-02	Kileen Road, Ballyfermot, Dublin 10		
To Other Countries	20 01 36	No	0.228	Discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R4	M	Weighed	Abroad	BMI UK D53	London End Farm, Keysoe Row East, Keysoe, Beds, MK44 2JD		
Within the Country	20 01 36	No	1004.0	Discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R4	M	Weighed	Offsite in Ireland	Techrec Irl W0233-01	51 Parkwest Business Park, Nanger Road, Dublin 12		
To Other Countries	20 01 36	No	23.72	Discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R4	M	Weighed	Abroad	Interrec BV INT-080326-EML-1124-RK	Korte Beemd 2, 4-6 Helmond, 5705 NL		
To Other Countries	20 01 36	No	851.16	Discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R4	M	Weighed	Abroad	S Norton & Co Ltd. WML 195/02/M01	Bankfield House, Bankfield Mill, Regent Road, L20 8RQ, Liverpool		
Within the Country	20 03 01	No	84.38	Mixed muncipal waste	D1	M	Weighed	Offsite in Ireland	Thorntons Recycling W044-02	Kileen Road, Ballyfermot, Dublin 10		

21 Appendix 7 Noise Survey report

DixonBrosnan

environmental consultants

dixonbrosnan.com

Project

2008 annual noise survey at Immark Ireland Ltd.,
Greenogue Business Park, Co. Dublin
Waste licence W0185-01

Client

O'Callaghan Moran & Associates

Project no	No pages	Client reference
08104	12	W0185-01

v220708

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Report no	Date	Status	Prepared by	Chkd
08104.1.1	300708	Release to client	Damian Brosnan	PC
08104.1.2	060808	Revised details	Damian Brosnan	PC
08104.1.3	110808	Revised introductory remarks	Damian Brosnan	PC

0. Executive summary

0.1 DixonBrosnan Environmental Consultants were commissioned by O'Callaghan Moran & Associates, on behalf of their client Immark Ireland Ltd., to undertake the 2008 annual noise survey at the latter's waste management facility at Greenogue Business Park, Rathcoole, Co. Dublin. The facility is operated in accordance with waste licence W0185-01 issued by the Environmental Protection Agency (EPA).

0.2 The noise survey was undertaken on Wednesday 23.07.08. Measurements were recorded at three boundary stations specified in the site waste licence. During the survey noise emissions at the subject facility arose from plant in use at the facility, and from trucks accessing the site. Offsite noise sources consisted of traffic on the industrial estate roadway adjacent to the site, and a refrigerated trailer parked at an adjacent premises.

0.3 $L_{Aeq\ 30\ min}$ levels recorded at the three boundary stations were 60-71 dB, and were therefore higher than the 55 dB daytime noise limit specified in waste licence W0185-01. However, there are no noise sensitive receptors in the vicinity of the Immark facility, and noise levels recorded are considered satisfactory. No tones of significance were identified at any of the measurement stations. Impulsive noise emissions arose onsite from waste handling operations, specifically from waste refrigerators being manoeuvred in the yard. Waste licence W0185-01 does not specify any restrictions with respect to tonal or impulsive content at the boundary measurement stations. The impulsive noise emissions are considered unlikely to have impacted at the nearest potential NSL which is approximately 350 m to the northwest.

Contents

1. Introduction

1.1 DixonBrosnan Environmental Consultants were commissioned by O'Callaghan Moran & Associates, on behalf of their client Immark Ireland Ltd., to undertake the 2008 annual noise survey at the latter's waste management facility at Greenogue Business Park, Rathcoole, Co. Dublin. The facility is operated in accordance with waste licence W0185-01 issued by the Environmental Protection Agency (EPA). Conditions attached to the licence relating to noise are presented in Appendix 2.

1.2 The noise survey was undertaken on Wednesday 23.07.08. Measurements were recorded at three onsite stations as shown in Appendix 3. The facility is located in an industrial estate and each of the locations are within the facilities boundaries. There are no noise sensitive locations (NSLs) within the immediate vicinity of the site. The closest potential NSL is a residence approximately 350 m northwest of the facility boundary.

1.3 Weather conditions, survey methodology and equipment specifications are presented in Appendix 4. During the survey noise emissions arose from plant in use at the facility, and from trucks accessing the site. Offsite noise sources consisted of traffic on the industrial estate roadway adjacent to the site, and a refrigerated trailer parked at an adjacent premises.

2. Results & analysis

2.1 Noise levels recorded at the three onsite measurement stations are presented in Appendix 5. Recorded frequency spectra as one third octave bands are presented in Appendix 6.

2.2 Noise emissions arising at the Immark facility were dominant at station TfN1. The $L_{Aeq\ 30\ min}$ level recorded here was 71 dB. Site emissions were also significant at TfN2, although passing traffic on the industrial estate roadway outside the site boundary was also significant. Both sources combined to produce an $L_{Aeq\ 30\ min}$ level of 62 dB at TfN2. At station TfN3, to the rear of the site, the noise environment was dominated by continuous emissions from a refrigerated trailer parked at an adjacent premises. However, noise emissions from two forklift trucks operating at the Immark facility were audible here, resulting in a total $L_{Aeq\ 30\ min}$ level of 60 dB.

2.3 No tones of significance were identified at any of the measurement stations. The source of a tone in the 3150 Hz band at station TfN1 was not identified. Impulsive noise emissions arose onsite from waste handling operations, specifically from waste refrigerators being manoeuvred in the yard. Waste licence W0185-01 does not specify any restrictions with respect to tonal or impulsive content at the boundary measurement stations. The

impulsive noise emissions are considered unlikely to have impacted at the nearest potential NSL which is approximately 350 m to the northwest.

2.4 $L_{Aeq\ 30\ min}$ levels recorded at all three noise stations exceeded the 55 dB daytime noise limit specified in waste licence W0185-01. It should be noted however that more recent waste licences issued by the EPA typically specify that noise limits are applicable only to offsite noise sensitive receptors. The Immark facility is situated in the centre of a sizeable industrial estate, and there are no sensitive receptors in the immediate vicinity. The licence does not specify any noise sensitive locations at which monitoring should be undertaken. In this context, noise emissions from the study site are considered satisfactory and unlikely to cause nuisance at offsite receptors such as the nearest noise sensitive location to the northwest, 350 m from the site.

3. Conclusions

3.1 $L_{Aeq\ 30\ min}$ levels recorded at the three boundary stations were 60-71 dB, and were therefore higher than the 55 dB daytime noise limit specified in waste licence W0185-01. However, there are no noise sensitive receptors in the vicinity of the Immark facility, and noise levels recorded are considered satisfactory in terms of impacts at offsite sensitive locations.

3.2 No tones of significance were identified at any of the measurement stations. Impulsive noise emissions arose onsite from waste handling operations. Waste licence W0185-01 does not specify any restrictions with respect to tonal or impulsive content at the boundary measurement stations.

Appendix 1: Glossary

Ambient	The total noise environment at a location, including all sounds present.
Amplitude	The parameter which indicates the loudness of a noise measured in decibels.
A-weighting	The weighting or adjustment applied to sound level recordings to approximate the non-linear frequency response of the human ear. The A-weighting is denoted by the suffix A in the parameters listed below such as L_{Aeq}, L_{A10}, etc.
Background noise	The A-weighted sound pressure level of the residual noise in decibels exceeded for 90% of a given time interval. The L_{A90}.
Decibel (dB)	The units of the noise measurement scale. Based on logarithmic scale so cannot be simply added or subtracted. A 3 dB difference is the smallest change perceptible to the human ear. A 10 dB difference is perceived as a doubling or halving of the sound level. Throughout this report noise levels are presented as decibels relative to 20 µPa. Examples of decibel levels are as follows: 20 Very quiet room; 35 Rural environment at night; 65 Conversation; 80 Busy pub; 100 Nightclub; 120 Jet take-off; 140 Threshold of pain
Free-field	Noise environment away from all surfaces other than the ground. Noise levels recorded near walls will be artificially increased due to reflections. Where there is more than one wall, noise levels will be further increased. Levels recorded within such 'near-field' conditions will be increased by up to 3 dB, and up to 6 dB near a corner. In practice, free-field conditions will be achieved by maintaining a separation distance of at least 3.5 m from walls.
Frequency	The number of cycles per second of a sound or vibration wave. An example of a low frequency noise is a hum, while a whine represents a higher frequency. The range of human hearing approaches 20-20,000 Hz.
Hertz (Hz)	The unit of frequency measurement.
Impulse	A noise which is of short duration, typically less than one second, the sound pressure level of which is significantly higher than the background.
Interval	The time period t over which noise monitoring is conducted. May be 5-60 minutes, depending on the standard applied. The interval is usually denoted by t as in $L_{Aeq\,t}$, $L_{A90\,t}$, etc.
$L_{Aeq\,t}$	The equivalent continuous sound level during a measurement interval, effectively representing the average A-weighted noise level.

L_{AF}	The A-weighted sound pressure level measured using a fast time weighting and averaged over one second. The L_{AF} value therefore changes each second.
L_{AIeq}	The A-weighted sound pressure level at a particular instant, measured using an impulse time weighting on the sound level meter. May be used in the assessment of impulse noise.
$L_{An\ t}$	The A-weighted sound level which is exceeded for n% of the measurement interval.
L_{Apk}	The peak A-weighted sound pressure level recorded during the measurement interval. The highest peak on the sound pressure wave before any time constant is applied.
$L_{Req\ t}$	The rating noise level, derived from the $L_{Aeq\ t}$ plus specified adjustments for tonal and impulsive characteristics.
$L_{A10\ t}$	The A-weighted sound level which is exceeded for 10% of the measurement interval, usually used to quantify traffic noise.
$L_{A90\ t}$	The A-weighted sound level which is exceeded for 90% of the measurement interval, usually used to quantify background noise. May also be used to describe the noise level from a continuous steady or almost-steady source, particularly where the local noise environment fluctuates.
Near-field	Area where free field conditions do not apply.
Noise sensitive location	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.
1/3 octave band analysis	Frequency analysis of sound such that the frequency spectrum is subdivided into bands of one third of an octave each. An octave is taken to be a frequency interval, the upper limit of which is twice the lower limit in Hertz.
Residual noise	The noise level remaining at a given position in a given situation when the specific noise source is absent or does not contribute to the noise level.
Specific noise	The noise source under investigation for assessing the likelihood of complaints.
Tone	A character of the noise caused by the dominance of one or more frequencies which may result in increased noise nuisance.
Z-weighting	Standard weighting applied by sound level meters to represent linear scale.

Condition 6.5

There shall be no clearly audible tonal component or impulsive component in the noise emissions from the activity at the noise sensitive locations.

Schedule C.1 Noise Emissions:

Measured at the monitoring points indicated in Table D.1.1

Day dB(A) L_{Aeq}(30 minutes	Night dB(A) L_{Aeq}(30 minutes)
55	45

Schedule D.1 Monitoring Locations

Table D.1.1

Tf N1
Tf N2
Tf N3

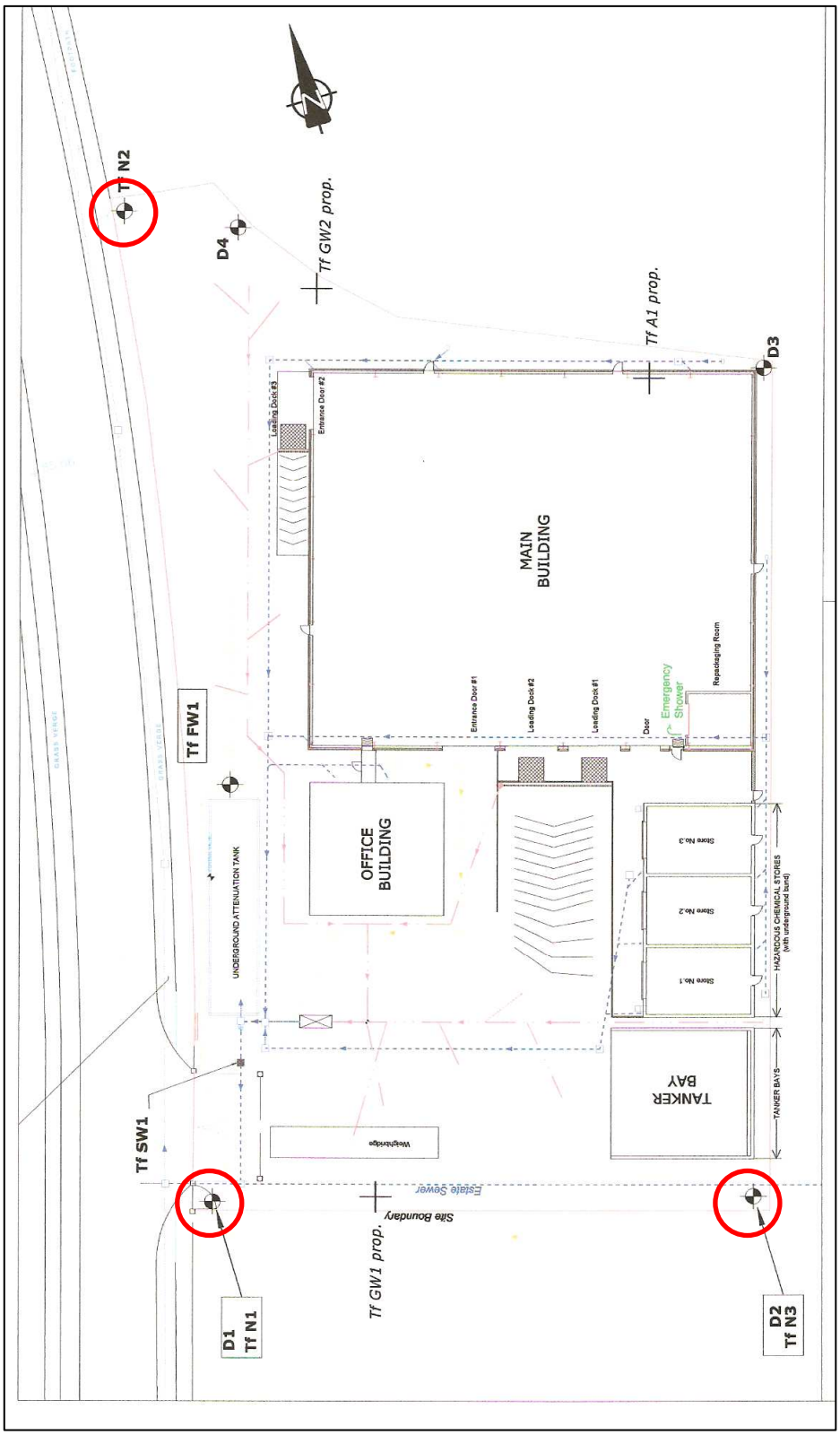
Note 1: Locations as per Drawing No. 569-42-108 'Locations of Environmental Monitoring Points'.

Schedule D.3 Noise

Parameter	Monitoring Frequency	Analysis Method/Technique
$L(A)_{EQ}$ [30 minutes]	Annual	Standard[Note 1]
$L(A)_{10}$ [30 minutes]	Annual	Standard[Note 1]
$L(A)_{90}$ [30 minutes]	Annual	Standard[Note 1]
Frequency Analysis(1/3 Octave band analysis)	Annual	Standard[Note 1]

Note 1: "International Standards Organisation. ISO 1996. Acoustics - description and Measurement of Environmental noise. Parts 1, 2 and 3."

Appendix 3: Monitoring stations



Appendix 4: Methodology

Survey	Project ref.	08104
	Purpose	2008 annual noise survey
	Locations	TfN1 TfN2 TfN3
	Comment	Facility operating
Event	Date	23.07.08
	Day	Wednesday
	Time	Afternoon
Operator	On behalf of DixonBrosnan	Damian Brosnan
Conditions	Cloud cover	80%
	Precipitation	0 mm
	Temperature	22 ^{0}C
Wind	Speed	0-1 m/s
	Direction	SW
	Measurement	Anemo anemometer 2 m above ground level
Sound level meter	Instrument	Bruel & Kjaer Type 2250-L
	Instrument serial no.	2566801
	Microphone serial no.	2571655
	Application	BZ7130 Version 2.0
	Bandwidth	Broadband
	Max input level	142.66 dB
	Broadband (excl. peak)	Time: FSI Frequency: AC
	Broadband peak	Frequency: C
	Windscreen correction	UA-0237
	Sound Field correction	Free-field
	UKAS calibration	16.01.07
	UKAS calibration certificate	Available on request
Onsite calibration	Time	07/23/2008 13:31:55
	Calibration type	External
	Sensitivity	41.72 mV/Pa
	Post measurement check	93.9 dB
Onsite calibrator	Instrument	Bruel & Kjaer Type 4231
	Instrument serial no.	2342544
	UKAS calibration	04.03.08
	UKAS calibration certificate	Available on request
Monitoring methodology	International Standard ISO 1996	*Acoustics: Description and measurement of environmental noise Part 1 (2003) & Part 2 (2007)*
	Exceptions	-
	Intervals	30 min

Appendix 5: Noise data

Recorded 23.07.08

STATION	TIME	$L_{Aeq\ 30\ min}$ dB	$L_{A10\ 30\ min}$ dB	$L_{A90\ 30\ min}$ dB	NOISE AUDIBLE
TfN1	1332-1402	71	75	58	FLTx2 around yard dominant. Also emissions from waste breaking/dropping and being swept. Truck x2 manoeuvring around weighbridge area. No other emissions audible apart from intermittent vehicle movements on industrial estate roadway.
TfN2	1437-1507	62	64	49	Emissions from within Immark main building audible. FLT manoeuvring locally. Intermittent traffic on industrial estate roadway dominant when present, particularly passing road sweeper truck. Occasional emissions audible from surrounding commercial premises.
TfN3	1404-1434	60	61	58	Emissions from refrigerated trailer at adjacent premises dominant continuously throughout interval. Emissions from Immark FLTx2 around yard also significant. No other sources audible.

FLT: Forklift truck

Appendix 6: Frequency spectra