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## **Annual Environmental Report 2008**

for

Lawlor Brothers (Waste Disposal) Ltd. T/a Access Waste Recycling  
Unit 28 JFK Industrial Estate, Naas Road, Dublin 12.

W0227-01

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## **1.0 Introduction**

Under Condition 11, Section 11.8 of our waste licence W0227-01, an Annual Environmental Report (AER) must be prepared by Lawlor Brothers (Waste Disposal) Ltd. (hereafter referred to as LBWD) and submitted to the EPA for their agreement.

This AER details the activities carried out at the facility at Unit 28, JFK Industrial Estate, Dublin 12, in the period January 1<sup>st</sup> 2008 to December 31<sup>st</sup> 2008.

## **2.0 Waste Activities**

The LBWD facility is licenced to handle a maximum of 95,000 tonnes of waste per annum(tpa). The company is licenced to carry out the following activities on-site:

- Shred, crush, bale and repackage waste;
- Non-hazardous construction and demolition waste recovery including crushing, screening, sorting and blending;
- Store waste;
- Recover dry recyclables;
- Store waste electrical and electronic equipment (WEEE)

### **2.1 Waste Types**

#### Commercial and Industrial (EWC codes 15 01, 20 01 and 20 03)

Both mixed and segregated non hazardous commercial and industrial waste is collected from commercial outlets throughout Dublin, Wicklow and Kildare regions. Commercial waste is delivered to the facility by third party hauliers and LBWD vehicles. Recyclable material is segregated where possible from the waste stream and the remaining residual waste is transferred to licensed landfills.

#### Construction and Demolition Waste (EWC 17 09 and 17 05)

Construction and demolition material arrives on-site in skips of varying sizes and comprises mixed construction and demolition wastes, soil and stone. Deliveries are made by third party hauliers and LBWD vehicles. The waste loads are inspected, segregated and recyclable materials are extracted from the waste for re-use or recycling prior to the transfer of residual materials to licensed landfill.

#### Household Waste (EWC 15 01, 20 01 and 20 03)

Household kerbside waste collections are offered throughout the Wicklow area, where two wheelie bins are provided to the customer, one for mixed dry recyclables and one for residual waste. Dry recyclables accepted for collection are newspaper, magazines, clean steel or tin cans, aluminium drinks cans, clean tetrapak, plastic bottles and cardboard packaging. Dry recyclables are transferred directly to a third party facility for sorting. Skip hire is offered for larger, bulkier items.

### **2.2 Processes**

Waste Sorting:

Mixed waste delivered on-site is tipped in the waste processing building. Waste is inspected and then it is first pre-sorted by two Fuchs 360 grabs, removing metals, bulky items etc. The rest of the waste is loaded into the waste processing machinery which consists of a trommel, wind shifters, magnetic separators and screens. The final stream

passes through a sorting shed where materials are manually sorted. The following waste streams are segregated;

- Ferrous and non-ferrous metals
- Soils/minerals (Fines)
- Concrete/bricks/stone
- Wood
- Light materials

The soils/minerals are further screened to separate it into size fractions. These segregated waste streams are transferred for further recycling process. The residual waste is transferred to licensed landfill.

### **3.0 Waste Quantities and Composition**

#### **3.1 Waste report**

The facility is licensed to handle up to 95,000 tonnes of waste per annum. The quantities of material handled in the period 1<sup>st</sup> January 2008 to 31<sup>st</sup> December 2008 are presented in Table 3.1.

Table 3.1 Waste quantities handled in 2008

EWC CODE	WASTE TYPE	WASTE IN (Kg)	WEIGHT OUT (Kg)	DESTINATION	METHOD OF DISPOSAL
130208	Waste Oil		380	Enva Ireland, Clonminam Ind. Est., Portlaoise, Co. Laois	Recycling
150101	Paper/Cardboard	16740	15740	Greyhound Recycling, Station Road, Clondalkin, D22	Recycling
150103	Wood Packaging	303020	119240	Ballynagran Landfill (Greenstar)	Landfill Engineering
			326200	Finsa Forest Products, Scariff, Co. Clare	Recycling
			19860	KTK Landfill (Greenstar)	Landfill Engineering
150104	Metallic Packaging		6900	Multimetals, Blessington Road, Tallaght, D24	Recycling
150106	Mixed Packaging	2056410	4100	Greyhound Recycling, Station Road, Clondalkin, D22	Recycling
			4360	All Away, 84E Pigeon House Road, Ringsend, D4	Recycling
			60720	Irish Packaging Recycling(Panda), Ballymount Road, Walkinstown, D12	Recycling
160103	End of life Tyres	7180	19540	Crumbubber, Mooretown, Dromiskin, Dundalk, Co.Louth	Recycling
170107	Bricks and Concrete	351320	6811940	Roadstone Recycling, Belgard, Tallaght, D24	Recycling
			24840	Ballynagran Landfill (Greenstar)	Landfill Engineering
170201	C+D Wood	23780	62680	Ballynagran Landfill (Greenstar)	Landfill Engineering
170202	Glass	1800			

170203	Hard Plastics		7920	Walker Recycling, Clonkeen, Portlaoise, Co. Laois.	Recycling
			4840	Leinster Environmentals, Clermont Business Park, Haggardstown, Dundalk, Co.Louth	Recycling
170401	Copper		680	Sean O'Reilly	Recycling
			2220	National Recycling, Station Road, Clondalkin, D22	Recycling
170402	Aluminium	680	18620	National Recycling, Station Road, Clondalkin, D22	Recycling
			860	Sean O'Reilly	Recycling
170405	Iron and Steel	25180	9520	MSM, Harbour Street, Mountmellick, Co. Laois	Recycling
			16220	National Recycling, Station Road, Clondalkin, D22	Recycling
170411	Mixed Cables	1200	6160	National Recycling, Station Road, Clondalkin, D22	Recycling
170504	Soil and Stone	516400	17160	Roadstone Recycling, Belgard, Tallaght, D24	Recycling
170605	Asbestos Materials		440	Cullen Env Services, Block 402 Greenogue Business Park, Rathcoole, Co. Dublin	Landfill
170802	Gypsum	53300	36380	Recycleworks/Sandyhill Environmnetal Services, St. Margarets, Co. Dublin	Recycling
170904	Mixed C+D	41410930			
180104	Non-infectious HC	25480			
190810	Sludge for effluent		15820	Thorntons Recycling, Killeen Road, Dublin 10	Recycling
191201	Cardboard Bales	1660	1620	Irish Packaging Recycling(Panda), Ballymount Road, Walkinstown, D12	Recycling

191202	Ferrous Metal		938280	MSM, Harbour Street, Mountmellick, Co. Laois	Recycling
			1134440	National Recycling, Station Road, Clondalkin, D22	Recycling
			74140	Multimetals, Blessington Road, Tallaght, D24	Recycling
			920	Sean O'Reilly	Recycling
191203	Non-ferrous metal		31240	National Recycling, Station Road, Clondalkin, D22	Recycling
			7020	Sean O'Reilly	Recycling
191204	Plastic and Rubber	16300	1580	Greyhound Recycling, Station Road, Clondalkin, D22	Recycling
			4380	Crumbubber, Mooretown, Dromiskin, Dundalk, Co.Louth	Recycling
191207	Pallet Recycled	1160	1466420	Ballynagran Landfill (Greenstar)	Landfill Engineering
			862240	Finsa Forest Products, Scariff, Co. Clare	Recycling
			168200	Spanboard, Hillmans Way, Coleraine, Co. Derry	Recycling
			55280	Ray Gough, Suncroft, Co. Kildare	Recycling
			57180	O'toole Composting, Ballintrane, Fenagh, Co. Carlow	Recycling
			38320	Pat Commane, Ladytown, Newbridge, Co. Kildare	Engineering
	C&D Wood recycled	18400	67320	O'toole Composting, Ballintrane, Fenagh, Co. Carlow	Recycling
			930140	Ballynagran Landfill (Greenstar)	Landfill Engineering
			19700	Rampere Landfill (Wicklow CC)	Landfill Engineering
			35440	BNM-Drehid Waste Management Facility	Landfill Engineering



			47900	Ray Gough, Suncroft, Co. Kildare	Recycling
			22920	Finsa Forest Products, Scariff, Co. Clare	Recycling
			381120	KTK Landfill (Greenstar)	Landfill Engineering
			19200	Pat Commene, Ladytown, Newbridge, Co. Kildare	
191209	Minerals		6102520	BNM-Drehid Waste Management Facility	Landfill Engineering
			11885300	Delahunt Brothers, Corballis, Rathdrum, Co. Wicklow	Recycling
			78520	Rampere Landfill (Wicklow CC)	Landfill Engineering
			2767030	Ballynagran Landfill (Greenstar)	Landfill Engineering
			451120	Greenstar (Knockharley)	Landfill Engineering
			18240	O'toole Composting, Ballintrane, Fenagh, Co. Carlow	Landfill Engineering
			215420	Ray Gough, Suncroft, Co. Kildare	Recycling
			3831740	Roadstone Recycling, Belgard, Tallaght, D24	Recycling
			1748640	KTK Landfill (Greenstar)	Landfill Engineering
			129040	Pat Commene, Ladytown, Newbridge, Co. Kildare	Private Landscaping
			5980	David Seberry	Private Landscaping
			24960	Canine Country Club, Kileenmore, Sallins, Co. Kildare	Private Landscaping
191212	Mixed dry general waste	21740	916360	O'toole Composting, Ballintrane, Fenagh, Co. Carlow	Recycling
			602760	BNM-Drehid Waste Management Facility	Landfill Engineering

			3195050	Ballynagran Landfill (Greenstar)	Landfill Engineering
			3397390	KTK Landfill (Greenstar)	Landfill Engineering
			609740	Rampere Landfill (Wicklow CC)	Landfill Engineering
			17560	C&D Recycling, Tinahealy, Rathnew, Co. Wicklow	Recycling
			158440	Scotch Corner Landfill (Monaghan CC)	Landfill Engineering
200101	Paper and Cardboard		8840	Irish Packaging Recycling(Panda), Ballymount Road, Walkinstown, D12	Recycling
200123	Fridge Freezer		29040	Techrec/Immark, 51 Parkwest Ind. Est. Dublin 12.	Recycling
200127	Paint		320	Enva Ireland, Clonminam Ind. Est., Portlaoise, Co. Laois	Recycling
200135	WEEE	5320	14910	Techrec/Immark, 51 Parkwest Ind. Est. Dublin 12.	Recycling
200139	Plastics	6100			
200201	Green Park Waste	7940			
200301	Mixed Municipal	8651340	2958280	BNM-Drehid Waste Management Facility	Landfill
			1236300	Ballynagran Landfill (Greenstar)	Landfill
			1002320	KTK Landfill (Greenstar)	Landfill
			1062740	Scotch Corner Landfill (Monaghan CC)	Landfill
			896440	Rampere Landfill (Wicklow CC)	Landfill
		1019840	Whiteriver Landfill(Louth CC)		
200303	Street Cleaning Residue	1376600			
200307	Bulky Waste	7346280			

<b>TOTAL</b>	62,245,740	58,341,500	% of total
TOTAL DISPOSED		8,176,360	14.0
TOTAL RECYCLED/RE-USED		50,165,140	86.0

### 3.2 Discussion

The discrepancy between the quantities of waste accepted at the facility and that transferred off-site is noticeable and has been investigated by LBWDL.

The following points must be taken into account:

- Loss of weighbridge records – Following the loss of weighbridge records (see Section 7.0 Incidents and Complaints) details of waste sent off-site was retrieved from third party facilities used in the period April to May. However some facilities, in particular Delahunt Brothers facility at Corballis, Rathdrum, Co. Wicklow, do not operate a weighbridge, and so weights could not be retrieved. This facility is regularly used and the average monthly weight of minerals sent to this facility is 1188.53 Tons. Taking this average into account the total waste sent off site in 2008 can be adjusted up to 60750.454 Ton
- Vehicle tares – An investigation into weighbridge procedures highlighted that vehicle tares programmed into the weighbridge computer had been recorded without a driver. However most loads weighed into the facility included the weight of at least one passenger, weight which was not included in the vehicle tare. Thus, this would have added approximately 70-80 kilos or more to each load entering the facility. Given that there were approximately 22,900 loads delivered on-site in 2008, this error could have added in the region of 1500 to 2000 tons to the level of waste measured entering the site.

Measures have been put in place to avoid these discrepancies arising again, including, the offsite back-up storage of weighbridge records, as well as the re-adjustment of preset vehicle tares to account for driver and passenger weights.

## 4.0 Environmental Monitoring and Emission data

Monitoring of surface water, foul water and noise was carried out in accordance with criteria set out in W0227-01 during 2008. Ambient dust monitoring was also carried out at four intervals during 2008.

Original laboratory results for water, dust and noise are presented in Appendices A, B and C respectively.

Monitoring locations for water sampling, dust monitoring and noise monitoring locations are provided in Appendix D.

### 4.1 Surface and Foul Water Monitoring

#### 4.1.1 Description of monitoring

Quarterly samples were taken from sampling points FW9 and SW1 and transferred to Alcontrol Laboratories, Blanchardstown, Co. Dublin for analysis. One sample was taken at FW9 – the foul or sewer emissions point, and another sample was taken at SW1 – the storm water emissions point. The location of these sampling points is contained in Appendix D.

The FW9 water quality results have been compared with Emission Limit Values (ELV) as set out in Schedule B3 'Emissions to Sewer' and both FW9 and SW1 have been compared with the Environmental Quality Standard (EQS) values for surface water as outlined in the EPA Document '*Environmental Quality and Environmental Quality Standards: The Aquatic Environment – A Discussion Document*' (1996b).

Table 4.1 Sampling Points

Sample Point	Location
SW1	Northwest corner of site, immediately before the line joins South Dublin County Council storm water drain running across the north end of the site.
FW1	North end of the site, before the foul sewer connects with the South Dublin County Council foul water line.

As required by Schedule C.2.3, samples from SW1 were taken weekly, if possible to do so given flow rates, and monitored for pH, conductivity and suspended solids. In cases of unusual levels, the site was inspected for possible sources and the yard swept by the roadsweeper to remove any excess mud/dust.

#### 4.1.2 Results

Results for quarterly water monitoring are presented in Table 4.2

Parameter	Units	W0227-01 ELV*	EQS Values^	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
				FW9	SW1	FW9	SW1	FW9	SW1	FW9	SW1
Temperature	°C	42		11.9	N/A	20	N/A	-	N/A	22	N/A
pH	pH units	6-10		7.53	7.24	7.54	8.5	7.2	8.3	7.4	8.3
Conductivity	µS/cm		1000	N/A	1332	N/A	960	N/A	450	1340	1340
COD	mg/L	3000		286	66	597	70	315	98	101	103
BOD	mg/L	1000		94	44	221	N/A	120	N/A	21	N/A
SS	mg/L	1000		<10	92	27	46	106	16	78	37
Mineral Oils	mg/L	10	0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01
Phosphates	mg/L	100		0.08	0.04	<0.03	N/A	<0.03	N/A	0.07	N/A
Detergents as MBAS	mg/L	100		<0.2	N/A	0.4	N/A	0.6	N/A	0.5	N/A
Oils, Fats Grease	mg/L	100		<1	N/A	7	N/A	1	N/A	<1	N/A
Total Ammonia as NH3*	mg/L		0.02	N/A	1.1	N/A	1.8	N/A	1.8	N/A	<0.2

\* Emission Limit Values for foul water effluent as stipulated in EPA waste licence W0227-01

^ Environmental Quality Standard values for surface water as outlined in the EPA document "Environmental Quality and Environmental Quality Standards: The Aquatic Environment - A Discussion Document"

**Results:**

During the year 2008, there were no breaches of licence ELV from quarterly samples from foul water discharge.

On two occasions, weekly pH measurements of storm water samples were measured above EQS values. Subsequent to these readings, pH measurements were taken at all storm water gullies to attempt to determine the source, however no possible sources were found. pH readings were taken daily for one week after high readings however readings had returned to normal.

On nine occasions, weekly conductivity measurements of storm water samples were measured above EQS value. Subsequent to these readings, the yard was thoroughly swept with the road sweeper to remove excess dust or mud. Readings returned to normal levels.

## **4.2 Dust monitoring**

### **4.2.1 Description**

Under licence W0227-01, Lawlor Brothers (Waste Disposal) Ltd. are required to carry out dust monitoring during three intervals during each calendar year. Dust monitoring was carried out at three locations around the site as shown in Appendix D.

Dust jars were exposed for 30 days and subsequently analysed to determine total dust deposition per day per square meter.

The first period of testing was carried by environmental consultants, White Young Green, on behalf of LBWDL, with samples analysed by the air laboratory at Geotesting Ltd., M7 Business Park, Newhall, Naas, Co. Kildare.

All other testing was carried out by LBWDL with samples sent to Alcontrol Laboratories, 18a Rosemount Business Park, Ballycoolin, Dublin 11.

### **4.2.2 Sampling periods**

Dust monitoring was carried initially during the following periods:

- 27<sup>th</sup> February to 26<sup>th</sup> March
- 23<sup>rd</sup> July to 22<sup>nd</sup> August
- 17<sup>th</sup> September to 17<sup>th</sup> October

Due to high dust levels measured, a fourth monitoring period was carried out for the period 19<sup>th</sup> November to 19<sup>th</sup> December to further investigate the issue.

### 4.2.3 Results

All dust results are presented below in Table 4.3.

Monitoring Period	D1	D2	D3
28 Days	mg/m <sup>2</sup> /d	mg/m <sup>2</sup> /d	mg/m <sup>2</sup> /d
From 27/02/2008	Damaged	248.9	228.2
To 26/03/2008			
Monitoring Period	D1	D2	D3
30 Days	mg/m <sup>2</sup> /d	mg/m <sup>2</sup> /d	mg/m <sup>2</sup> /d
From 23/07/2008	1233	761	334
To 22/08/2008			
Monitoring Period	D1	D2	D3
30 Days	mg/m <sup>2</sup> /d	mg/m <sup>2</sup> /d	mg/m <sup>2</sup> /d
From 17/09/2008	1532	643	725
To 17/10/2008			
Monitoring Period	D1	D2	D3
30 Days	mg/m <sup>2</sup> /d	mg/m <sup>2</sup> /d	mg/m <sup>2</sup> /d
From 19/11/2008	423.9	235.5	109.9
To 19/12/2008			

### 4.2.4 Discussion

As can be seen from the results, high levels of dust were measured during the summer period, particularly at monitoring point D1. After these high levels were measured, the dust suppression system in place in the facility has been improved to further help abate the issue. The effect of this is highlighted in the reduction in dust levels in the fourth monitoring period.

Given that no waste activities are carried out beside locations D2 and D3, and given that they are located beside a busy industrial road, it is likely that these high readings are the result of high traffic volumes passing within metres of the sampling points during dry periods.

Intensive construction was also taking place adjacent to monitoring point D3 in a neighbouring unit from approximately the beginning of September to early November, which will have contributed to the high readings at this point also.

Close attention is being paid to dust levels in 2009, with plans to measure background dust levels at nearby locations off-site, in similar positions to our unit, to determine the impact of local traffic on dust levels.



## 4.3 Noise Monitoring

### 4.3.1 Details

Noise monitoring was carried out to comply with Condition 8 and Schedule D of waste licence W0227-01. Day-time and night-time surveys were carried out on behalf of LBWDL by City Analysts Ltd. of Pigeon House Road, Ringsend, Dublin 4 on 4<sup>th</sup> November, 2008. A full copy of their report can be found in Appendix C.

Noise monitoring was carried out at a single location, designated N4, on the nearby Killeen Road, as stipulated in licence W0227-01 and described in Table 4.4.

SITE ID	DESCRIPTION	CLASSIFICATION
N4	Outside a number of bungalows on the Killeen Road.	Private Residence

### 4.3.2 Results

Noise monitoring results are given in Table 4.5

Location Reference	Sampling Interval	Duration (minutes)	L <sub>Aeq</sub>	L <sub>A90</sub>	L <sub>A10</sub>	Comments
N4	DAY					
	12:14 – 12:44	30	69	62	72	Road Traffic continuous. No audible impact from the site.
N4	NIGHT					
	23:38 – 00:08	30	65	45	69	Road Traffic continuous. No audible impact from the site.

### 4.3.3 Summary

Noise measurements show that traffic on the Killeen road dominate about all other potential noise sources in the area. There was no audible significant tonal or impulsive noise from the LBWDL site at the noise sensitive location. It was of the analysts opinion that LBWDL are compliant with noise levels stipulated in waste licence W0227-01.

## 5.0 Resources and Energy Consumption

Details of major resources and products used in 2008 are detailed below in Table 5.1:

Resources:

Resource	Amount consumed in 2008 (Litre)
Green Diesel	111,689
Red Diesel	380,846
Kerosene	7064
Hydraulic Oil	1700

The increase in diesel usage compared to the second half of 2007 reflects the growth in business over the course of the year. In 2009, energy and resource use efficiency will be a major theme in company objectives, and an ECOdrive initiative is being formulated with drivers, to help improve fuel efficiency. These figures for 2008 provide a baseline from which comparisons can be made and against which progress can be measured in future reports.

Electricity:

The total electricity used in 2008 amounted to 235,997 kWh. This figure provides a baseline from which to measure the success of energy saving practices currently being put in place. In 2008, LBWDL used the electricity supply company Airtricity as their supplier due to the level of the renewable energy sources used by this company.

## **6.0 2008 and 2009 Environmental Objectives and targets and Environmental Management Plans**

The schedule of Environmental Objectives and Targets for the year 2008 is presented below in Table 6.1

The report on the Environmental Management Programme for the year 2008 is presented afterwards.

Table 6.1 Objectives and Targets for 2008

Objective	No.	Targets	Responsibility	Timescale	Current Status
Improve Staff Training and Awareness	1	To train 50% of staff on our EPA licence and Environmental Awareness	Mary Lawlor-King /Environmental Officer	Jul-08	Completed
	2	To train remaining 50% by end of the year.	Mary Lawlor-King /Environmental Officer	Dec-08	All staff except picking line trained, due to language barriers
To employ environmental officer to improve compliance	3	To employ a full time Environmental Officer by May 1st	Mary Lawlor-King	May-08	Environmental Officer hired 26/05/08
Pollution Prevention	4	Install double skin bunded 1000 litre diesel tank	Brian King	Jun-08	Completed
Improve Monitoring and reporting Efficiency	5	To install new software system at weighbridge to customise waste handling reports	Niall Lawlor	Jun-08	Completed
	6	To update Camera System to improve monitoring efficiency	Niall Lawlor	Jun-08	Quotes received. Update being reconsidered due to prioritisation of expenditure.
	7	Establish procedure for and carry out weekly site inspections	Brian King	Apr-08	Completed
	8	Begin monthly reporting on waste activities performance and monitoring to meet reporting requirements	Environmental Officer	Monthly	Completed
Establish Environmental Management System of International Standard	9	Establish an Environmental Management System to meet requirements of Condition 2.2 of licence.	Environmental Officer	Jul-08	Completed
	10	Achieve ISO 14001 accreditation for EMS	Environmental Officer /Mary Lawlor-King	Dec-08	Completed

## **Report on Environmental Management Programme 2008**

### 1. Training

50% of staff received environmental training by end of June, 2008.

### 2. Training

Most staff have been trained except picking line staff due to language difficulties. It has been suggested to incorporate health and safety and energy efficiency into the training and this will be included in the objectives and targets for 2009. Remaining staff and new staff will receive this new training

### 3. Environmental Officer

A full-time environmental officer, Robert Kane, was hired and began work on 26<sup>th</sup> May, 2008.

### 4. Bunded Diesel Tank

Tank was fully installed by 8<sup>th</sup> October, 2008

### 5. Software for weighbridge

The new software was installed by 2<sup>nd</sup> July, 2008

### 6. Camera System

Quotations from several companies were received, however, due to financial constraints and prioritisation, the upgrading of the CCTV system is being reconsidered

### 7. Weekly Site Inspection

Daily and weekly site inspections have been carried out on an on-going basis with records held for all.

### 8. Monthly Reporting

Monthly reports are complete for January to December 2008 and have been started for 2009.

### 9. Establish an Environmental Management System

An environmental management system was developed during June/July. The system is up and running and will be constantly improved through regular internal audits.

### 10. Achieve IS14001 accreditation for EMS

A certification audit was carried out on 18<sup>th</sup> December, 2008. Accreditation of our EMS to ISO14001 standard was awarded January 17<sup>th</sup>, 2009

The schedule of Environmental Objectives and Targets for the year 2009 is presented below in Table 6.2

Objectives	No.	Targets	Responsibility	Timescale	Progress
Improve Staff Training and Awareness	1	To incorporate health and safety and energy efficiency into training program	Mary Lawlor-King, Robert Kane	Continuous	-
To improve waste processing rates and reduction to landfill	2	To develop building 1 to increase performance and variety of waste streams	Niall Lawlor, Michael Lawlor, Gemma Crennan	2009-2011	-
To improve environmental protection	3	To cover waste quarantine area	Brian King	June 2009	-
	4	Investigate further dust reduction surrounding woodchipping	Brian King	2009	-
Improve efficiency of raw materials usage	5	Control use of diesel - put locks on all diesel tanks	Brian King	March 2009	Locks are in place on diesel tank in yard
	6	Electricity - Arrange energy audit	Michael Lawlor	March 2009	Energy assessment has been carried out by SEI. Awaiting report.
	7	Reduction in water usage - develop detailed procedures for those who use water	Brian King, Mary Lawlor-King	March 2009	-
	8	Reduction in water usage - Develop rainwater collection system	Brian King	2009	-
Improve site/facility	9	To plant trees/shrubs in front of site	Brian King	Summer 2009	-
Improve performance indicators	10	To develop electricity usage monitoring	Robert Kane	January 2009	Electricity Monitoring has begun and is ongoing.
	11	To develop diesel usage monitoring	Robert Kane	January 2009	Diesel usage monitoring has begun and is ongoing.
Improve energy efficiency	12	To develop energy management system	Robert Kane	June 2009	An energy management system will be developed with the aid of SEI

## **Environmental Management Programme 2009**

### **1. Improve Staff Training**

Staff training is the responsibility of Mary Lawlor-King and Robert Kane. Staff training in environmental compliance will continue for all new employees. In 2009, the training will be modified to include energy efficiency in the training as well as, possibly health and safety.

### **2. Development of Building 1**

The development of building 1 will be the responsibility of Niall Lawlor, Michael Lawlor and Gemma Crennan.

Building 1 will be developed over the next few years to improve the efficiency and capacity of the company including expanding the variety of waste streams to be collected and recovered on-site. Through this development, increased levels of waste can be diverted from landfill. It is hoped that this development could be completed by end of 2011.

### **3. To cover waste quarantine area**

Storage area for WEEE, gas bottles and other quarantined areas to be covered in line with storage requirements of WEEE regulations. Brian King will be responsible for investigating this. The target date for this is June 2009.

### **4. Further dust control measures**

Following on from dust monitoring results from 2008 indicating high dust levels, further dust suppression measures for that area will be investigated. This will be carried out by Brian King and Robert Kane and should be completed by end 2009.

### **5. Control the use of diesel**

In order to control and reduce the use of diesel, locks will be fitted to diesel tanks and keys will remain with the plant manager. Brian King will be responsible for implementing this. This is scheduled to be completed by March 2009.

### **6. Carry-out energy audit**

In order to facilitate the reduction in electricity usage, an energy audit will be arranged to be carried out. This is the responsibility of Michael Lawlor. Based on the results of this audit, specific targets for the reduction of energy usage will be set out and included in the objectives and targets. This is scheduled to be completed by March 2009.

### **7. Reduction in Water Usage**

Brian King and Mary Lawlor-King will be responsible for investigating ways to reduce water usage.

Detailed procedures will be drawn up for processes and staff members that use large amounts of water. This is scheduled to be completed by March 2009.

#### 8. Collection of Rainwater

Installation of a rainwater collection system will be investigated for buildings 2 and 3. If judged as feasible, the system will be installed, with water used for spraying the yard on dry days. This system will be the responsibility of Brian King and a decision or design should be developed by June 2009.

#### 9. Improve site/facility appearance

Brian King will be responsible for improving the site appearance. Trees/bushes will be planted at the North boundary of the facility. This is scheduled to be completed by summer 2009.

#### 10. Improve Performance Indicators

Robert Kane will be responsible for developing electricity usage monitoring. This will be based on any energy audit carried out. These indicators will be used to map and reduce energy consumption and will be incorporated into an energy management system. This should be completed by March 2009.

#### 11. Diesel usage monitoring indicators

Robert Kane will be responsible for developing indicators for diesel usage. These will be used as part of an energy management system and used to identify areas to reduce the amount of diesel used. These should be established by March 2009.

#### 12. Energy management system.

An energy management system will be developed parallel with the current environmental management system, based on results from an energy audit. This system will aim to manage the use of energy on-site and to minimise energy and raw material usage. Robert Kane will be responsible for this. This system should be developed by June 2009.



## 7.0 Incidents and Complaints

In the license period of 2008, there were two incidents reported to the EPA and two complaints made against the company, which are summarised below;

### Incidents:

- 28/05/08 - Weighbridge records were lost from 9<sup>th</sup> April 2008 to 28<sup>th</sup> May 2008 due to power failure. Details of waste accepted onsite were recorded from skip order software, and details of waste sent off-site were recorded from third party records.
- 24/11/08 – Dust monitoring returned results which exceeded licence limits for the periods 23/07/08 to 22/08/08, and 17/09/08 to 17/10/08. Further dust suppression equipment was installed and dust monitoring is currently ongoing.

### Complaints:

- 22/02/08 – South Dublin County Council received a complaint from a neighbouring company regarding high dust levels. The western boundary fence was subsequently repaired and the dust netting replaced.
- 21/05/08 – The Health and Safety Authority and the EPA received a complaint regarding dust levels impacting on a neighbouring company. Since this complaint the dust suppression systems on the western boundary have been updated and dust suppression procedures were modified to alleviate the problem. No further complaints have been received.

## 8.0 Management and Staffing Structure

The current management structure at LBWDL is detailed below in Figure 1 and Table 8.1.

Figure 1. Management structure of Lawlor Brothers (Waste Disposal) Ltd.

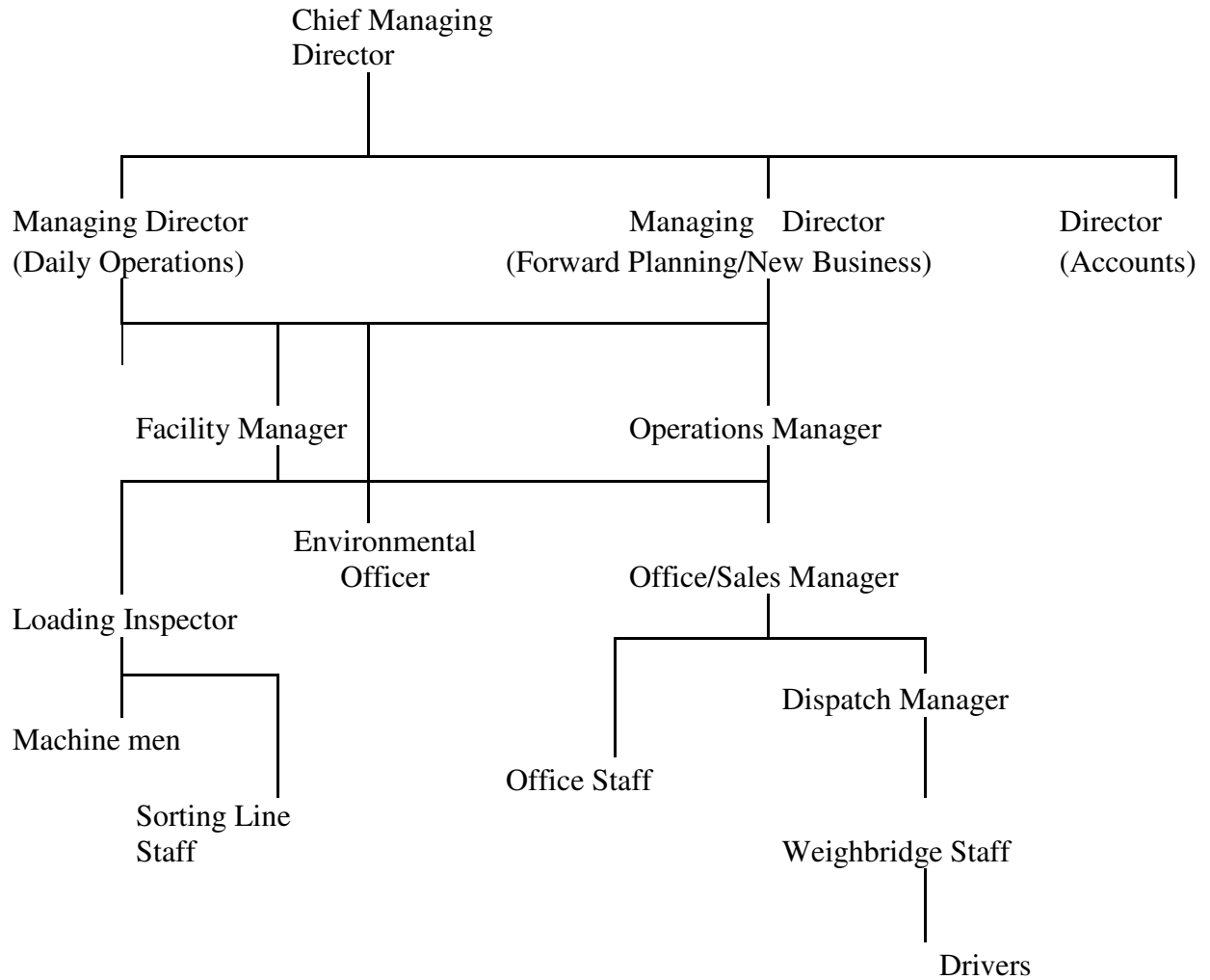


Table 8.1. Management Personnel at LBWDL.

Name	Position	Responsibilities	Experience	Alternative Contact
Michael Lawlor Snr.	Managing Director	Consultant	41 Years Waste Management	Francis Lawlor
Francis Lawlor	Director	Consultant	41 Years Waste Management	Michael Lawlor Snr.
Michael Lawlor Jnr.	General Manager	Overall Site Management, Drivers, Radios, Staff, Weighbridge	20 Years Waste Management, National Certificate of Competence in Road Haulage	Niall Lawlor
Niall Lawlor	New Business Manager	Overall Site Management, New Accounts, New Business, IT infrastructure	16 Years Waste Management, FAS Waste Management Certificate	Michael Lawlor Jnr.
Gemma Lawlor-Crennan	Admin Manager	Administration, Accounts Management	10 Years Waste Management, FAS Waste Management Certificate	Renata Zenevic
John Crennan	Operations Manager	Yard Staff, Machinery, Picking Line, Domestic Services	11 Years Waste Management	Brian King
Brian King	Site Manager	Ward Staff, Machinery, Picking Line, Site Infrastructure	17 Years Waste Management, FAS Waste Management Certificate, Health and Safety Certificate	Piotr Szkola
Andrius Staponkus	Weighbridge Operator	Weighbridge, Weight Records		Noel Hendrick
Robert Kane	Environmental Officer	Environmental records, EPA and Local authority liaising and compliance	1 Year Waste Management, BSc Environmental Science and Health	Niall Lawlor
Mark Tully (PKF O'Connor Leddy & Holmes)	Accountant	Payroll, Yearly Accounts	22 Years Accountancy	-

## **9.0 Financial Provision**

As demonstrated by the annual turnover and profits for the company for the last three years, and given the extensive assets owned by the company, LBWDL is in very healthy financial situation, and would be capable of meeting any possible environmental liabilities. Given the extensive environmental protection measures in place on-site, and the non-hazardous nature of the waste processed on site, the extent of any possible environmental impact, and accompanying liability, is envisaged as being quite low.

The company insurance policy, covers the company for environmental/pollution liability of up to 6.5 million euro in respect of any one accident/any one period.

In the event of closure of the facility, the CRAMP for the facility will be followed and details of the financial provisions are contained within.

## **10.0 Program for Public Information**

All information and correspondence supplied to the EPA (other than commercially sensitive information) and received from the EPA, is available to the public to view at the facility. This includes a copy of the waste licence, collection permits, all reports, monitoring results and interpretations required by the licence and other correspondence between the EPA and the facility. Copies of our waste licence and collection permits are contained on our website. Any member of the public may view the information on-site, by appointment, between the hours of 10.00 and 16.00 at the facility. A copy of this AER will also be available in the foyer of our administration building.

## **11.0 Environmental Protection Measures & CRAMP review**

### Environmental Protection Measures

Those environmental protection measures stipulated in the licence and as described in the site environmental impact statement continue to be carried out and implemented. These measures address the potential environmental impacts to air, water and ground media. Staff on-site are vigilant in identifying potential sources of environmental pollution and any issues raised will be addressed.

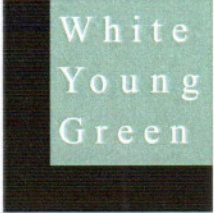
### CRAMP Review

The CRAMP for the facility was drafted by environmental consultants White Young Green. The CRAMP was issued in March 2008 and so was not reviewed again during 2008. The plan at this time does not require updating.

## **12.0 Review of Nuisance Controls**

No changes to nuisance controls were deemed to be required during 2008. LBWDL use a third party contractor for maintenance of rodent control measures. As part of daily inspections the facility is inspected for evidence of nuisances. If present these will be dealt with immediately. In the event of nuisances regularly occurring, control measures will be re-evaluated.

## **Appendix A**





White  
Young  
Green

Lawlor Brothers (Waste Disposal) Ltd.  
t/a Access Skip Hire

W227-01

Quarter 1 2008 Monitoring

Reference:CE6193/Report/Q1			
Issue			
V1	January 2008		
V2	-		
V3	-		
V4	-		
V5	-	Natasha Murphy	
		<b>Environmental Scientist</b>	<b>Project Director</b>
File Reference: CE06193/Reports/Q1			
White Young Green Environmental (Ireland) Limited, Apex Business Centre, Blackthorn Road, Sandyford Industrial Estate, Dublin 18 Telephone: +353 12931200 Facsimile: +353 12931250 E-Mail: enviro.dublin@wyg.com			

**Access Skips  
Quarterly Monitoring (1st Quarter 2008)**

Parameter	Units	WL 0227-01 Emmision Limit Values for Foul Water	EQS for Surface Waters	FW9	SW1
				10/03/2008	10/03/2008
pH	pH units			7.53	7.24
Conductivity	uS/cm		1000	0.859	1.332
Temperature	°C			~	~
BOD	mg/l	1000		94	44
COD	mg/l	3000		286	66
Phosphates	mg/l	100		0.08	0.04
Ammoniacal Nitrogen as N	mg/l			~	1.1
Total Ammonia as NH3*	mg/l		0.02	~	1.3
Total Suspended Solids	mg/l	1000		<10	92
Mineral Oil	mg/l	10	0.01	<0.01	<0.01
Detergents (as MBAS)	mg/l	100		<0.2	~
Oils fats Grease	mg/l	100		<1	~

Values shaded in Grey have exceeded WL0227-01 Limit value emissions for Foul Water

Values shaded in blue have exceeded the recommended Surface Water EQS Values

\*Conversion of NH4 to NH3 to compare against the EQS values.





## CERTIFICATE OF ANALYSIS

---

**Client:** Access Waste Recycling  
Unit 28  
JFK Industrial Estate  
Naas Road  
Dublin 12

**Attention:** Robert Kane

**Date:** 20 August, 2008

**Our Reference:** 08-B04515/01

**Your Reference:** Water Sample 28/07/08

**Location:**

A total of 1 samples was received for analysis on Monday, 28 July 2008. Accredited laboratory tests are defined in the log sheet, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation. We are pleased to enclose our final report, it was a pleasure to be of service to you, and we look forward to our continuing association.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Signed

**Dylan Halpin**  
Team Leader Project Co-ordination

**Lorraine McNamara**  
General Manager

**Compiled By**

.....  
*Cormac Lacey*









## CERTIFICATE OF ANALYSIS

---

**Client:** Access Waste Recycling  
Unit 28  
JFK Industrial Estate  
Naas Road  
Dublin 12

**Attention:** Robert Kane

**Date:** 17 September, 2008

**Our Reference:** 08-B05149/01

**Your Reference:** 03.09.08

**Location:**

A total of 3 samples was received for analysis on Wednesday, 3 September 2008. Accredited laboratory tests are defined in the log sheet, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation. We are pleased to enclose our final report, it was a pleasure to be of service to you, and we look forward to our continuing association.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Signed

*Dylan Halpin*

*Lorraine McNamara*

**Dylan Halpin**  
Team Leader Project Co-ordination

**Lorraine McNamara**  
General Manager

**Compiled By**

*Norah O'Connor*

.....  
*Norah O'Connor*



1291  
GROUP





## CERTIFICATE OF ANALYSIS

---

**Client:** Access Waste Recycling  
Unit 28  
JFK Industrial Estate  
Naas Road  
Dublin 12

**Attention:** Robert Kane

**Date:** 3 December, 2008

**Our Reference:** 08-B06593/01

**Your Reference:** Water Sample 17/11/08

**Location:**

A total of 2 samples was received for analysis on Monday, 17 November 2008. Accredited laboratory tests are defined in the log sheet, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation. We are pleased to enclose our final report, it was a pleasure to be of service to you, and we look forward to our continuing association.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Signed

*Dylan Halpin*

*Lorraine McNamara*

**Dylan Halpin**  
Team Leader Project Co-ordination

**Lorraine McNamara**  
General Manager

**Compiled By**

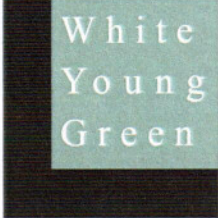
*Dylan Halpin*  
.....  
*Dylan Halpin*





## **Appendix B**



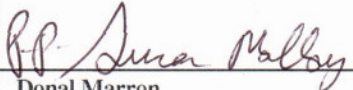


White  
Young  
Green

Lawlor Brothers (Waste Disposal) Ltd.  
t/a Access Skip Hire

W227-01

DUST MONITORING

Reference: CE6193/Repor/Dust		
Issue	Prepared by	Checked by
V1	April 2008	 Donal Marron Project Director
V2	-	
V3	-	
V4	Natasha Murphy	
V5	Environmental Scientist	
File Reference: CE06193/Reports/Dust		
White Young Green Environmental (Ireland) Limited, Apex Business Centre, Blackthorn Road, Sandyford Industrial Estate, Dublin 18 Telephone: +353 12931200 Facsimile: +353 12931250 E-Mail: enviro.dublin@wyg.com		

**Lawlor Brothers Waste Disposal Ltd.  
t/a Access Skips**

**Dust Monitoring Report  
W227- 01**

**Table of Contents**

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<b>2.0</b>	<b>Monitoring Results</b>	<b>3</b>
2.1	Monitoring Methods	3
2.2	Results	3
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**Figure 1                      Monitoring Locations**

## 1.0 INTRODUCTION

Lawlor Brothers (Waste Disposal) Ltd. trading as Access Skip Hire requested White Young Green Environmental (Ireland) Ltd. (WYG) to carry out dust monitoring at their waste recycling station located at Unit 28, John F. Kennedy Road, JFK Industrial Estate, Naas Road, Dublin 12 operating under Waste Licence WL0227-01

### 1.1 Reporting Period

This report details the results of dust monitoring between February 27<sup>th</sup> and March 26<sup>th</sup> 2008.

### 1.2 Contributors to the Report

The contributors to this report and their respective inputs are detailed below.

- **White Young Green Environmental (Ireland) Ltd**, Apex Business Centre, Blackthorn Road, Sandyford Industrial Estate, Dublin 18, report on, supervise and manage compliance with monitoring and reporting requirements of Schedule C and E of waste licence W0222-01.
- **Geotesting Ltd.** Located at M7 Business Park, Newhall, Naas, Co. Kildare was used for dust analysis

## 2.0 MONITORING LOCATIONS

Dust monitoring was undertaken at three sampling locations around the perimeter of the site as shown in Figure 1 attached.

### 2.1 Methods

The dust jars were exposed for a period of 29 days from February 27<sup>th</sup> 2008 to March 26<sup>th</sup> 2008. The samples were analysed by the air laboratory at Geotesting Ltd, M7 Business Park, Newhall, Naas, Co. Kildare and the total dust deposition per day was determined.

### 2.2 Results

All dust results are presented below in Table 2.1. Dust monitoring locations D2 (248.9 mg/m<sup>2</sup>/d) and D3 (228.2 mg/m<sup>2</sup>/d) resulted in dust levels below the recommended dust limit of 350 mg/m<sup>2</sup>/d at stipulated within Waste Licence 227-01. Dust monitoring location D1 located to the south of the site was damaged during the dust-monitoring round.

**Table 2.1: Dust Emissions**

Monitoring Period	D1	D2	D3
28 days	mg/m <sup>2</sup> /d	mg/m <sup>2</sup> /d	mg/m <sup>2</sup> /d
From	Damaged	248.9	228.2
To 20/12/07			

### 2.3 Summary

Both D2 and D3 dust monitoring locations resulted in dust levels below the recommended dust emissions value as stipulated in WL0227-01.

D1, located along the southern portion boundary of the site, was damaged during the dust-monitoring round. Results from a replacement jar will be submitted to the EPA as soon as they are available.



## CERTIFICATE OF ANALYSIS

---

**Client:** Access Waste Recycling  
Unit 28  
JFK Industrial Estate  
Naas Road  
Dublin 12

**Attention:** Robert Kane

**Date:** 27 November, 2008

**Our Reference:** 08-B06169/01

**Your Reference:** SS + TDS

**Location:**

A total of 7 samples was received for analysis on Friday, 24 October 2008. Accredited laboratory tests are defined in the log sheet, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation. We are pleased to enclose our final report, it was a pleasure to be of service to you, and we look forward to our continuing association.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Signed

*Dylan Halpin*

*Lorraine McNamara*

**Dylan Halpin**  
Team Leader Project Co-ordination

**Lorraine McNamara**  
General Manager

**Compiled By**

*Dylan Halpin*  
.....  
*Dylan Halpin*







## CERTIFICATE OF ANALYSIS

---

**Client:** Access Waste Recycling  
Unit 28  
JFK Industrial Estate  
Naas Road  
Dublin 12

**Attention:** Robert Kane

**Date:** 14 January, 2009

**Our Reference:** 08-B07303/01

**Your Reference:** Dust Samples 23/12/08

**Location:**

A total of 3 samples was received for analysis on Tuesday, 23 December 2008. Accredited laboratory tests are defined in the log sheet, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation. We are pleased to enclose our final report, it was a pleasure to be of service to you, and we look forward to our continuing association.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Signed

*Dylan Halpin*

*Lorraine McNamara*

**Dylan Halpin**  
Team Leader Project Co-ordination

**Lorraine McNamara**  
General Manager

**Compiled By**

*Aileen O'Brien*  
.....  
Aileen O'Brien







## **Appendix C**



---

## **CONFIDENTIAL REPORT**

---

**Access Waste Recycling Ltd.  
Unit 28,  
JFK Industrial Estate,  
Dublin 12.**

**Attention: Mr. Robert Kane**

**Survey date: 4<sup>th</sup> November 2008.**

**Project No.: 2087\_Access**

---

**TITLE: Noise Emission Monitoring at Access Waste Ltd.**

---

**Signed:** \_\_\_\_\_

Sean Culhane BSc. (Hons.), AMIOA.

# **CONTENTS**

1.0 Scope of Work

2.0 Summary

3.0 Methodology

4.0 Monitoring Locations

5.0 Noise Measurements

6.0 Emission Limit Values

7.0 Discussions and Observations

APPENDIX I - Broadband Analysis  
- Octave Band Analysis

## **1.0 SCOPE OF WORK**

To carry out all necessary noise measurements required in compliance with EPA Waste Licence No. W0227-01.

To provide a Technical Report giving full details of all surveys and results.

## **2.0 SUMMARY**

In accordance with Waste Licence No. W0227-01, City Analysts carried out an Environmental Noise Survey on behalf of Access Waste Ltd. at the site in Dublin.

Measurements were taken over one day and one night at a specific Noise Sensitive Location as set out in the Waste Licence No. W0227-01.

## **3.0 METHODOLOGY**

Ambient Noise levels were sampled during both the Daytime and Night time in accordance with the relevant standards and legislation namely:-

- Waste Licence No. W0227-01.
- ISO 1996. Acoustics - description and Measurement of Environmental Noise. Parts 1, 2 & 3.
- BS 4142: Method for rating industrial noise affecting mixed residential and industrial areas

#### 4.0 MONITORING LOCATIONS

A Noise Sensitive location has been identified by the Environmental Protection Agency (EPA) on the boundary of the Access Waste site and has been identified as follows:-

**Table 1.0 :- Table of Noise Sensitive Locations on the boundary of Access Waste Ltd. site.**

<b>SITE ID</b>	<b>DESCRIPTION</b>	<b>CLASSIFICATION</b>
N4	Outside a number of Bungalows on the Killeen Rd.	Private Residence

#### 5.0 NOISE MEASUREMENTS

Schedule C; section C5, of the Waste Licence No. W0227-01 requires the measurement of Ambient Noise Levels at a Noise Sensitive Location in proximity to the Access Waste Ltd. site in Dublin.

##### 5.1 Instrumentation Used During Noise Survey

- CR: 263 :- Integrating Averaging Sound Level Meter
- CR: 513A :- Cirrus Calibrator
- MK: 224 :- Type 1 Microphone
- Microtrack 24 / 96 Digital Audio recorder
- Frequency Master v3 Audio software.



## 6.0 EMISSION LIMIT VALUES

All ambient Noise measurements taken during this Environmental Noise Survey have been compared to the Emission Limit Values as set out in the Waste Licence No. W0227-01. They are included in the table below:-

**Table 2.0 :- Table of Emission Limit Values as per  
Waste Licence No. W0227-01 in dB(A)**

<b>DAYTIME dB(A) LAeq (30 minutes).</b>	<b>NIGHT TIME dB(A) LAeq (30 minutes).</b>
55	45

## 7.0 DISCUSSION AND OBSERVATIONS

### **Daytime Measurements:-**

N4 is located to the West of the Access waste site adjacent to the Killeen Road. The noise impact measured at this location is dominated from the continuous stream of traffic using this road. The LA90 at this location is 62dB(A) and shows the difference between background noise and the intermittent traffic noise. This is also clear from the LA10 level of 72dB(A).

### **Night time Measurements :-**

The Night time noise levels reflect a similar overall result as the Daytime measurements. The Noise Sensitive Location is influenced by traffic on the Killeen Road. The reduced LA90 during the night time measurements reflect the fact the volume of traffic was greatly reduced and less frequent at night. The Access Waste Ltd. site does not operate during night time hours.

## **Tonal Characteristics**

A 1/3 Octave Band analysis of noise measurements taken at N4 indicated that there was no tonal characteristic coming from the Access Waste Ltd. site and that any identifiable peaks came from passing road traffic.

## **Conclusion**

The Noise measurements at the Noise Sensitive Location to the West of the Access Waste Ltd. site show that the traffic on the Killeen road dominates above all other potential noise sources in the area. The slight difference in LAeq between the Daytime and Night time measurement clearly shows that the almost continuous stream of traffic on the road has the most significant impact on the Noise sensitive location. The Analyst's notes state that there was no audible significant tonal or impulsive noise from the Access Waste Ltd. site at the Noise Sensitive Location. Therefore it would be his opinion that the site is compliant with the limit values as set out in Waste Licence No. W0227-01.



# APPENDIX I

**Table 3.0 Daytime Measurements on 04.11.08**

<b>Location Reference</b>	<b>Sampling Interval</b>	<b>Duration (Minutes)</b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>	<b>L<sub>A10</sub></b>	<b>L<sub>A01</sub></b>	<b>L<sub>Amax</sub></b>	<b>Comments</b>
	<b>DAY</b>							
<b>N4</b>	12:14– 12:44	30	<b>69</b>	62	72	76	85	Road Traffic continuous. No audible impact from the site.

**Table 4.0 Night time Measurements on 04.11.08**

<b>Location Reference</b>	<b>Sampling Interval</b>	<b>Duration (Minutes)</b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>	<b>L<sub>A10</sub></b>	<b>L<sub>A01</sub></b>	<b>L<sub>Amax</sub></b>	<b>Comments</b>
	<b>NIGHT</b>							
<b>N4</b>	23:38 – 00:08	30	<b>65</b>	45	69	75	77	Road Traffic continuous. No audible impact from the site.

## APPENDIX II

**Table 5.0 Octave Band analysis of Noise Sensitive Location**

REF	Octave Band Data (Hz)										dB (A)	dB (Lin)	Comments
	31.5	63	125	250	500	1000	2.0K	4.0K	8.0K	16.0K			
N4	74	78	68	64	64	65	64	57	54	53	69	82	Daytime
N4	54	56	56	43	41	42	41	36	34	33	64	59	Night time

## **Appendix D**



Killeen Road

John F Kennedy Road

**LEGEND**

- Site Boundary
- Road
- Building/Structure
- SW Storm Water Sampling Point
- FW Foul Sewer Monitoring Location
- N Noise Monitoring Location
- D Dust Monitoring Location

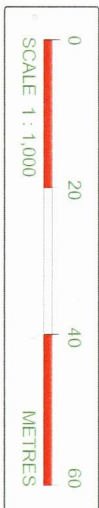
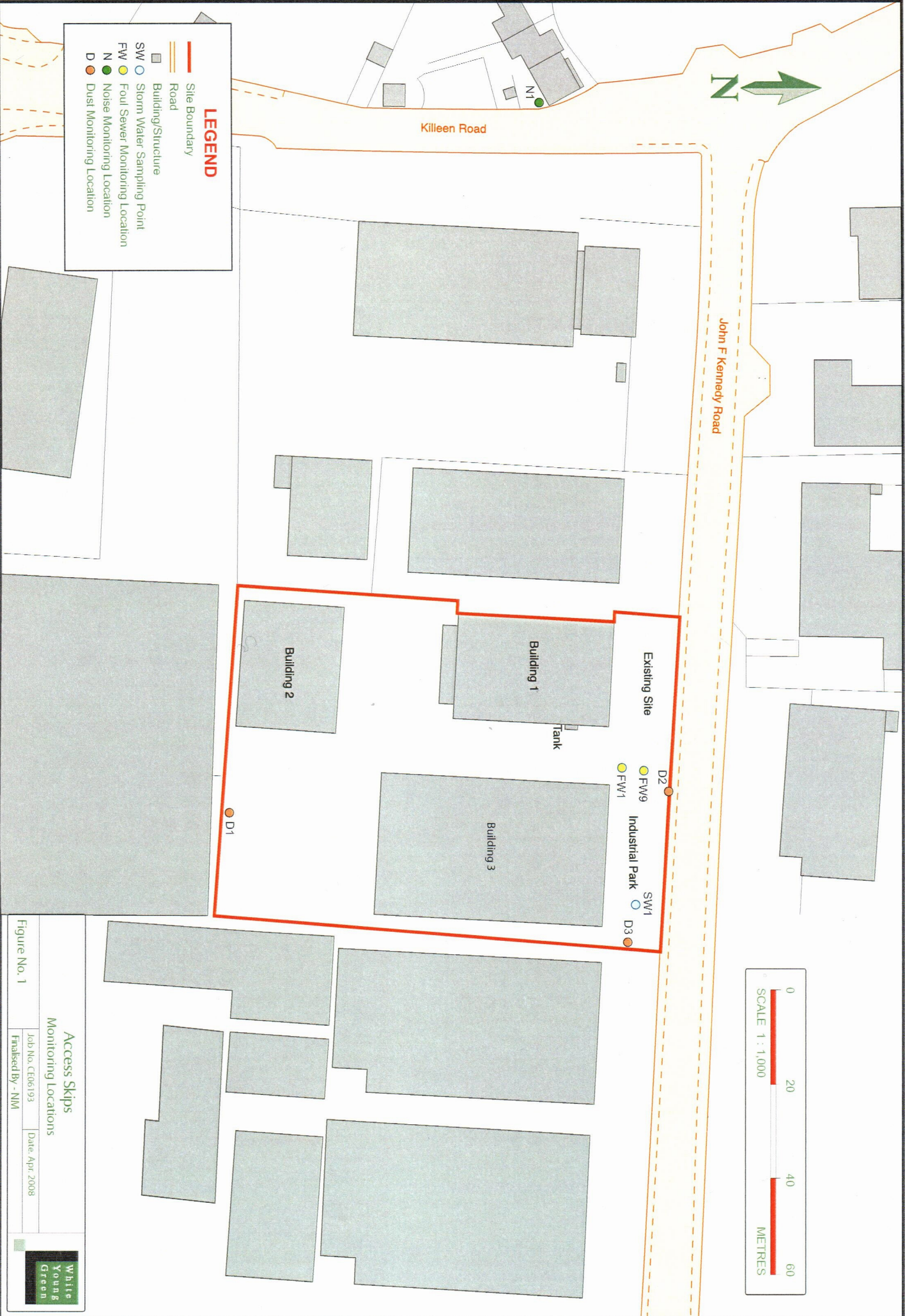


Figure No. 1

Access Skips  
Monitoring Locations

Job No. CE06193 Date: Apr 2008  
Finalised By - NM



## **Appendix E**



# AER Returns Worksheet

Version 1.1.03

<b>REFERENCE YEAR</b>	2008
-----------------------	------

## 1. FACILITY IDENTIFICATION

Parent Company Name	Lawlor Brothers Waste Disposal Ltd t/a Access Skip Hire
Facility Name	Lawlor Brothers Waste Disposal Ltd t/a Access Skip Hire
PRTR Identification Number	W0227
Licence Number	W0227-01

### Waste or IPPC Classes of Activity

No.	class name
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.
4.13	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.
3.11	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.

Address 1	Unit 28
Address 2	John F Kennedy Road
Address 3	JFK Industrial Estate, Naas Road
Address 4	Dublin 12

Country	Ireland
Coordinates of Location	0.000
River Basin District	IE-Eastern
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
<b>AER Returns Contact Name</b>	Robert Kane
<b>AER Returns Contact Email Address</b>	environmental@accesswaste.ie
<b>AER Returns Contact Position</b>	Environmental Officer
<b>AER Returns Contact Telephone Number</b>	014277709
<b>AER Returns Contact Mobile Phone Number</b>	
<b>AER Returns Contact Fax Number</b>	014500835
<b>Production Volume</b>	0.0
<b>Production Volume Units</b>	
<b>Number of Installations</b>	1
<b>Number of Operating Hours in Year</b>	0
<b>Number of Employees</b>	45
<b>User Feedback/Comments</b>	
<b>Web Address</b>	www.accesswaste.ie

## 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 ?	
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			
No. Annex II	Name	M/C/E	Method Code	Method Used Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) 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 PRTR POLLUTANTS**

RELEASES TO AIR								
POLLUTANT		METHOD			QUANTITY			
No. Annex II	Name	M/C/E	Method Code	Method Used Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) 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 C : REMAINING POLLUTANT EMISSIONS (As required in your Licence)**

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

**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: Lawlor Brothers Waste Disposal Ltd t/a Access Skip Hire

Please enter summary data on the quantities of methane flared and / or utilised

	T (Total) kg/Year	M/C/E	Method Used		Facility Total Capacity m3 per hour
			Method Code	Designation or Description	
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# : W0227 | Facility Name : Lawlor Brothers Waste Disposal Ltd t/a Access Skip Hire | Filename : W0227\_2008(Draft).xls | Return Year : 2008 ]

30/03/2009 10:10

**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 this only concerns Releases from your facility

RELEASES TO WATERS								
POLLUTANT		Method Used			QUANTITY			
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		Method Used			QUANTITY			
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		Method Used			QUANTITY			
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

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

4.3 RELEASES TO WASTEWATER OR SEWER

SECTION A : PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER									
POLLUTANT		METHOD			QUANTITY				
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				
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

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

4.4 RELEASES TO LAND

SECTION A : PRTR POLLUTANTS

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

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

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 01	No	15.74	Paper and Cardboard Packaging	R5	M	Weighed	Offsite in Ireland	Greyhound Recycling/W0205 01	Crag Avenue, Clondalkin Ind. Est., Dublin 22.		
Within the Country	13 02 08	Yes	0.38	Waste Oil	R3	M	Weighed	Offsite in Ireland	Enva Ireland/W0184-1	Clonminam Ind. Est., Portlaoise, Co. Laois	Enva Ireland, Clonminam Ind. Est., Portlaoise, Co. Laois	W0184-1
Within the Country	20 01 27	Yes	0.32	Paint and Paint Cans	D9	M	Weighed	Abroad	Enva Ireland/W0184-1	Clonminam Ind. Est., Portlaoise, Co. Laois	Enva NI, Carryduff, Co. Antrim/Geocycle, Feneffe, Belgium	Reg. No.17996(Enva) 38.152/BP(Geocycle)
Within the Country	15 01 03	No	119.24	Wood Packaging	R11	M	Weighed	Offsite in Ireland	Ballynagran Landfill/W0165-01	Wicklow.		
Within the Country	15 01 03	No	326.2	Wood Packaging	R11	M	Weighed	Offsite in Ireland	Finsa Forest Products	Scariff, Co. Clare		
Within the Country	15 01 03	No	19.86	Wood Packaging	R11	M	Weighed	Offsite in Ireland	KTK Landfill/W0081-03	Brownstown, Kilcullen, Co. Kildare		
Within the Country	15 01 04	No	6.9	Metallic Packaging	R4	M	Weighed	Offsite in Ireland	Multimetals Recycling/EFF/319/15/8 12 319	Blessington Road, Tallaght, D24		
Within the Country	15 01 06	No	4.1	Mixed Packaging	R12	M	Weighed	Offsite in Ireland	Greyhound Recycling/W0205 01	Crag Avenue, Clondalkin Ind. Est., Dublin 22.		
Within the Country	15 01 06	No	4.36	Mixed Packaging	R12	M	Weighed	Offsite in Ireland	All Away Skip Hire/WP98113	84E Pigeonhouse Road, Ringsend, Dublin 4		
Within the Country	15 01 06	No	60.72	Mixed Packaging	R12	M	Weighed	Offsite in Ireland	Irish Packaging Recycling/WPR021/2	Ballymount Road, Walkinstown, Dublin 12		
Within the Country	16 01 03	No	19.54	End of Life tyres	R3	M	Weighed	Offsite in Ireland	Crumb rubber Ireland/WP2007/01	Mooretown, Dromiskin, Dundalk, Co. Louth		
Within the Country	17 01 07	No	6811.94	Bricks and Concrete	R5	M	Weighed	Offsite in Ireland	Roadstone Recycling/WPR 025/3	Fortunestown, Tallaght, Dublin 24.		
Within the Country	17 01 07	No	24.84	Bricks and Concrete	D1	M	Weighed	Offsite in Ireland	Ballynagran Landfill/W0165-01	Ballynagran, Coolbeg, Wicklow.		
Within the Country	17 02 01	No	62.68	Wood from construction/demolition	D1	M	Weighed	Offsite in Ireland	Ballynagran Landfill/W0165-01	Ballynagran, Coolbeg, Wicklow.		
Within the Country	17 04 02	No	18.62	Aluminium	R4	M	Weighed	Offsite in Ireland	National Recycling/WPR 045	Station Road, Clondalkin, Dublin 22.		
Within the Country	17 04 05	No	9.52	Iron and Steel	R4	M	Weighed	Offsite in Ireland	National Recycling/WPR 045	Station Road, Clondalkin, Dublin 22.		
Within the Country	17 04 05	No	16.22	Iron and Steel	R4	M	Weighed	Offsite in Ireland	Midland Scrap Metal/WMP 02/2008	Harbour Street, Mountmellick, Co. Meath		
Within the Country	17 04 11	No	6.16	Cables	R4	M	Weighed	Offsite in Ireland	National Recycling/WPR 045	Station Road, Clondalkin, Dublin 22.		
Within the Country	17 05 04	No	17.16	Soil and Stone	R11	M	Weighed	Offsite in Ireland	Roadstone Recycling/WPR 025/3	Belgard Quarry, Fortunestown, Tallaght, Dublin 24.		
Within the Country	17 06 05	Yes	0.44	Materials containing asbestos	D1	M	Weighed	Offsite in Ireland	Riita Ireland/W0192-02	Block 402 Greenogue Business Park, Rathcoole, Co. Dublin	KTK Landfill, Brownstown, Kilcullen, Co. Kildare	W0081-03
Within the Country	17 08 02	No	13.26	Materials containing Gypsum	R5	M	Weighed	Offsite in Ireland	Recycleworks/WPT 112	St. Margarets, Co. Dublin		
Within the Country	19 08 10	Yes	15.82	Oil/water mixture from oil separator	R3	M	Weighed	Offsite in Ireland	Thorntons Recycling/W0044-02	Killeen Road, Dublin 10.	Riita Ireland, Block 402 Greenogue Business Park, Rathcoole, Co. Dublin	W0192-02
Within the Country	19 12 01	No	1.62	Paper and Cardboard Packaging	R12	M	Weighed	Offsite in Ireland	Irish Packaging Recycling/WPR021/2	Ballymount Road, Walkinstown, Dublin 12		
Within the Country	19 12 02	No	938.28	Ferrous Metal	R4	M	Weighed	Offsite in Ireland	Midland Scrap Metal/WMP 02/2008	Harbour Street, Mountmellick, Co. Meath		
Within the Country	19 12 02	No	1134.44	Ferrous Metal	R4	M	Weighed	Offsite in Ireland	National Recycling/WPR 045	Station Road, Clondalkin, Dublin 22.		
Within the Country	19 12 02	No	74.14	Ferrous Metal	R4	M	Weighed	Offsite in Ireland	Multimetals Recycling/EFF/319/15/8 12 319	Blessington Road, Tallaght, D24		
Within the Country	19 12 02	No	0.92	Ferrous Metal	R4	M	Weighed	Offsite in Ireland	Sean O'Reilly	Collifix, JFK Industrial Estate, D12		
Within the Country	19 12 03	No	31.24	Non-ferrous metal	R4	M	Weighed	Offsite in Ireland	National Recycling/WPR 045	Station Road, Clondalkin, Dublin 22.		
Within the Country	19 12 03	No	7.02	Non-ferrous metal	R4	M	Weighed	Offsite in Ireland	Collifix, JFK Industrial Estate, D12			
Within the Country	19 12 04	No	1.58	Plastic and Rubber	R5	M	Weighed	Offsite in Ireland	Sean O'Reilly Greyhound Recycling/W0205 01	Crag Avenue, Clondalkin Ind. Est., 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	19 12 04	No	4.38	Plastic and Rubber	R5	M	Weighed	Offsite in Ireland	Crumbubber Ireland/WP2007/01	Mooretown, Dromiskin, Dundalk, Co. Louth		
Within the Country	19 12 07	No	124.5	Wood	R11	M	Weighed	Offsite in Ireland	O'Toole Composting/WP 01/07	Ballinrane, Fenagh, Co. Carlow		
Within the Country	19 12 07	No	168.2	Wood	R11	M	Weighed	Offsite in Ireland	Spanboard	Hillmans Way, Coleraine, Co. Derry		
Within the Country	19 12 07	No	885.16	Wood	R11	M	Weighed	Offsite in Ireland	Finsa Forest Products	Scariff, Co. Clare		
Within the Country	19 12 07	No	103.18	Wood	R11	M	Weighed	Offsite in Ireland	Ray Gough	Suncroft, Co. Kildare		
Within the Country	19 12 07	No	2396.56	Wood	D1	M	Weighed	Offsite in Ireland	Ballynagran Landfill/W0165-01	Ballynagran, Coolbeg, Wicklow		
Within the Country	19 12 07	No	19.7	Wood	D1	M	Weighed	Offsite in Ireland	Rampere Landfill/W0066-02	Rampere, Baltinglass, Co. Wicklow		
Within the Country	19 12 07	No	35.44	Wood	D1	M	Weighed	Offsite in Ireland	Bord na Mona Drehid Facility/W0201-01	Killinagh Upper, Robertstown, Co. Kildare		
Within the Country	19 12 07	No	381.12	Wood	D1	M	Weighed	Offsite in Ireland	KTK Landfill/W0081-03	Brownstown, Kilcullen, Co. Kildare		
Within the Country	19 12 07	No	38.32	Wood	R11	M	Weighed	Offsite in Ireland	Pat Conanne	Ladytown, Newbridge, Co. Kildare		
Within the Country	19 12 09	No	6102.52	Minerals eg. Sand, Stone	R11	M	Weighed	Offsite in Ireland	Bord na Mona Drehid Facility/W0201-01	Killinagh Upper, Robertstown, Co. Kildare		
Within the Country	19 12 09	No	11885.3	Minerals eg. Sand, Stone	R11	M	Weighed	Offsite in Ireland	Delahunt Brothers/WP/163	Corballis, Rathdrum, Co. Wicklow		
Within the Country	19 12 09	No	78.52	Minerals eg. Sand, Stone	R11	M	Weighed	Offsite in Ireland	Rampere Landfill/W0066-02	Rampere, Baltinglass, Co. Wicklow		
Within the Country	19 12 09	No	2767.03	Minerals eg. Sand, Stone	R11	M	Weighed	Offsite in Ireland	Ballynagran Landfill/W0165-01	Ballynagran, Coolbeg, Wicklow		
Within the Country	19 12 09	No	451.12	Minerals eg. Sand, Stone	R11	M	Weighed	Offsite in Ireland	Knockharley Landfill/W0146-01	Knockharley, Navan, Co. Meath		
Within the Country	19 12 09	No	18.24	Minerals eg. Sand, Stone	R11	M	Weighed	Offsite in Ireland	O'Toole Composting/WP 01/07	Ballinrane, Fenagh, Co. Carlow		
Within the Country	19 12 09	No	215.42	Minerals eg. Sand, Stone	R11	M	Weighed	Offsite in Ireland	Ray Gough	Suncroft, Co. Kildare		
Within the Country	19 12 09	No	3831.74	Minerals eg. Sand, Stone	R11	M	Weighed	Offsite in Ireland	Roadstone Recycling/WPR 025/3	Belgard Quarry, Fortunestown, Tallaght, Dublin 24.		
Within the Country	19 12 09	No	1748.64	Minerals eg. Sand, Stone	R11	M	Weighed	Offsite in Ireland	KTK Landfill/W0081-03	Brownstown, Kilcullen, Co. Kildare		
Within the Country	19 12 09	No	5.98	Minerals eg. Sand, Stone	R11	M	Weighed	Offsite in Ireland	David Seberry	16 Woodford Court, Clondalkin, Dublin 22		
Within the Country	19 12 09	No	24.96	Minerals eg. Sand, Stone	R11	M	Weighed	Offsite in Ireland	Canine Country Club	Kilennore, Sallins, Co. Kildare		
Within the Country	19 12 09	No	129.04	Minerals eg. Sand, Stone	R11	M	Weighed	Offsite in Ireland	Pat Conanne	Ladytown, Newbridge, Co. Kildare		
Within the Country	17 04 01	No	0.88	Copper	R4	M	Weighed	Offsite in Ireland	Sean O'Reilly	Collifix, JFK Industrial Estate, D12		
Within the Country	17 04 01	No	2.22	Copper	R4	M	Weighed	Offsite in Ireland	National Recycling/WPR 045	Station Road, Clondalkin, Dublin 22.		
Within the Country	19 12 12	No	916.36	Other wastes form mechanical treatment	R3	M	Weighed	Offsite in Ireland	O'Toole Composting/WP 01/07	Ballinrane, Fenagh, Co. Carlow		
Within the Country	19 12 12	No	602.76	Other wastes form mechanical treatment	R11	M	Weighed	Offsite in Ireland	Bord na Mona Drehid Facility/W0201-01	Killinagh Upper, Robertstown, Co. Kildare		
Within the Country	19 12 12	No	3195.05	Other wastes form mechanical treatment	D1	M	Weighed	Offsite in Ireland	Ballynagran Landfill/W0165-01	Ballynagran, Coolbeg, Wicklow		
Within the Country	19 12 12	No	3397.39	Other wastes form mechanical treatment	D1	M	Weighed	Offsite in Ireland	KTK Landfill/W0081-03	Brownstown, Kilcullen, Co. Kildare		
Within the Country	19 12 12	No	609.74	Other wastes form mechanical treatment	D1	M	Weighed	Offsite in Ireland	Rampere Landfill/W0066-02	Rampere, Baltinglass, Co. Wicklow		
Within the Country	19 12 12	No	17.56	Other wastes form mechanical treatment	R12	M	Weighed	Offsite in Ireland	C&D Recycling/ WPR246	Tinakilley, Rathnew, Co. Wicklow		
Within the Country	19 12 12	No	158.44	Other wastes form mechanical treatment	D1	M	Weighed	Offsite in Ireland	Scotch Corner Landfill/W0020-01	Annyalla, Castleblaney, Co. Monaghan		
Within the Country	20 01 01	No	8.84	Paper and Cardboard	R3	M	Weighed	Offsite in Ireland	Irish Packaging Recycling/WPR021/2	Ballymount Road, Walkinstown, Dublin 12		
Within the Country	20 01 23	Yes	29.04	Fridgefreezers	R4	M	Weighed	Offsite in Ireland	Immark/Techrec/WP 98099	51 Parkwest Ind. Est. Dublin 12.	Immark/Techrec, 51 Parkwest Ind. Est. Dublin 12.	WP 98099
Within the Country	20 01 36	No	14.91	WEEE	R4	M	Weighed	Offsite in Ireland	Immark/Techrec/WP 98099	51 Parkwest Ind. Est. Dublin 12.		

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	20 03 01	No	2958.28	Mixed Municipal Waste	D1	M	Weighed	Offsite in Ireland	Bord na Mona Drehid Facility/W0201-01	Killinagh Upper, Robertstown, Co. Kildare		
Within the Country	20 03 01	No	1236.3	Mixed Municipal Waste	D1	M	Weighed	Offsite in Ireland	Ballynagran Landfill/W0165-01	Ballynagran, Coolbeg, Wicklow.		
Within the Country	20 03 01	No	1002.32	Mixed Municipal Waste	D1	M	Weighed	Offsite in Ireland	KTK Landfill/W0081-03	Brownstown, Kilcullen, Co. Kildare		
Within the Country	20 03 01	No	1062.74	Mixed Municipal Waste	D1	M	Weighed	Offsite in Ireland	Scotch Corner Landfill/W0020-01	Annyalla, Castleblaney, Co. Monaghan		
Within the Country	20 03 01	No	896.44	Mixed Municipal Waste	D1	M	Weighed	Offsite in Ireland	Rampere Landfill/W0066-02	Rampere, Baitinglass, Co. Wicklow		
Within the Country	20 03 01	No	1019.84	Mixed Municipal Waste	D1	M	Weighed	Offsite in Ireland	Whiteriver Landfill/W0060-02	Dunleer, Co. Louth		
Within the Country	17 04 02	No	0.86	Aluminium	R4	M	Weighed	Offsite in Ireland	Sean O'Reilly	Collfix, JFK Industrial Estate, D12		
Within the Country	17 02 03	No	7.92	Plastics	R5	M	Weighed	Offsite in Ireland	Walker Recycling/WMP44	Clonkeen, Portlaoise, Co. Laois		
Within the Country	17 02 03	No	4.84	Plastics	R5	M	Weighed	Offsite in Ireland	Leinster Environmentals/WP 2008/06	Clermont Business Park, Haggardstown, Dundalk, Co. Louth, Ireland		

\* Select a row by double-clicking the Description of Waste then click the delete button