



Annual Environmental Report 2008

Waste Licence No.: W0144-01

Licensee: Sean Rooney Limited t/a Bambi Bins & Wheel Bin Services Limited, Coes Road, Dundalk, Co Louth.

Prepared By: Janet O'Shea

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1. Introduction

Sean Rooney Limited t/a Bambi Bins & Wheel Bin Services Limited hold a Waste Licence (Reg. No. W0144-01), issued on the 6th February 2002, to operate a Waste Transfer Station and Recycling Facility at Coes Road, Dundalk, Co. Louth.

In accordance with the requirements of Condition 11.5 of the Waste Licence, an Annual Environmental Report (AER) for the facility must be submitted to the Environmental Protection Agency (EPA).

This is the seventh AER, covering the reporting period from the 1st January 2008 to the 31st December 2008.

The facility is located at:-

Sean Rooney Limited t/a Bambi Bins & Wheel Bin Services Limited,
Waste Transfer Station and Recycling Facility
Coes Road,
Dundalk,
Co. Louth.

Tel: (042) 9335000 Fax: (042) 9354175

1.1 Description of Site

The Waste Transfer Station and Recycling Facility is located within an area zoned for industrial development. The facility is surrounded in the industrial estate by various warehouses and industrial buildings. The Coes Road runs adjacent to the eastern site boundary. The total area of the site is approximately 7,178m².

Waste handling activities at the site consist of accepting and bulk loading of commercial, industrial and municipal waste for transfer to other recycling depots or other disposal outlets. In addition, where possible, recyclable waste (cardboard, glass, metal, timber, plastic) is recovered from the waste streams and sent for further recycling.

The licensed waste activities, permitted under the Third and Fourth Schedule of the Waste Management Act (1996), in the Waste Licence (W0144-01) are as detailed below:

1.2 Licensed Waste Disposal Activities

Third Schedule, 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.

1.3 Licensed Waste Recovery Activities

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

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

Fourth Schedule, Class 4: Recycling or reclamation of other inorganic materials.

Fourth Schedule, 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.

1.4 Process Operation Summary

There are a number of waste processing operations in place at the facility as detailed in Table 1.

Table 1.1: Waste Processing Activities

WASTE DESCRIPTION	PROCESS OPERATION
Commercial/Domestic Skip Waste	<p>Skip waste comprises of mixed waste coming from domestic houses and offices. It consists of items such as furniture and office materials. On being documented at the weighbridge the waste is tipped in the C&D Shed and inspected. Waste such as wood, metal and cardboard are removed by hand or machine and put into their segregation bays for delivery to a recycling facility. Items that are not accepted at the facility are quarantined and sent to the respective facilities for recycling. The remaining waste is segregated using a Trommel and Picking Station and separate fractions stored pending further recovery/ recycling.</p> <p>Since November 2008 this material is no longer segregated using a trommel and picking line. The unprocessed material is bulked up into 40ft open top ejector trailers. The material is transferred to Oxigen Environmental in Ballymount, EPA Waste Licence W0208-01, where it is processed.</p>
Construction & Demolition Waste (C&D)	<p>C&D Waste is tipped in the designated bay once documented at the weighbridge. Any metal, wood and cardboard are removed and put into their segregation bays for delivery to a recycling facility. The remaining C&D Waste such as rubble and soil and stones is used as infill at</p>

approved and permitted facilities. This material is also used for engineering works such as haul roadways in approved landfill sites.

Municipal Waste

Wheel Bin Services collect black bins containing municipal waste from a large number of domestic and commercial customers in the Northeast Region. Once documented at the weighbridge, the waste is in the municipal processing shed where it is bulked up into a 40ft compactor and is sent to Licensed Landfills for disposal.

Dry Recyclables

Wheel Bin Services collect green bins containing mixed dry recyclables such as paper, cardboard and metal cans from numerous domestic and commercial customers in the North East Region. Having been documented at the weighbridge this material is tipped in the Dry-Recyclable tipping area, inspected for contamination, and then bulked up into 40ft compactors before being delivered to other facilities for further recovery and recycling.

Kitchen & Garden Waste

Wheel Bin Services collect brown bins containing organic kitchen and garden waste such as food and grass cuttings from numerous domestic and commercial customers in the North East Region. Once documented at the weighbridge this material is tipped on the shed floor and inspected for contamination. The material is bulked up into 40ft tipper trailer before being delivered to an approved composting facility for further processing and composting.

Wood Products

Wood is segregated into a bay and loaded into a 40ft trailer which is sent to an approved facility for further processing.

Metal Products

Metals are segregated and loaded into 40ft tipper trailers and sent to Clearway for recycling.

Cardboard Products

Cardboard is segregated and loaded into 40ft open top trailers and sent to an approved facility where it is baled for further recycling.

Glass

Glass is stored in bays before being transferred for recycling to Glassdon Recycling or Quinn Glass.

**2. QUANTITY AND COMPOSITION OF WASTE RECOVERED, RECEIVED
AND DISPOSED OF DURING 2008**

2.1 Tonnage of Waste Compositions Received at the Coes Road Facility from the 1st of January – 31st of December 2008

Table 2.1: Tonnage of Waste by Type Received at the Coes Road Facility in 2008

Waste Type	EWC Code	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Food	02 02 03	101.33	46.06	55.6	79.34	80.02	67.28	115.28	62.07	63.24	67.84	62.76	74.08	874.9
Cardboard	15 01 01	270.2	178.18	307.1	408.43	401.46	504.13	339.56	244.72	255.42	308.38	230.21	251.44	3699.23
Soft Plastic	15 01 02	4.88	1.86	1.6	3.44	9.02	8.58	1.6	14.52	14.34	1.62	19.62	27.7	108.78
Timber Pallets	15 01 03	15.13	23.49	11.64	17.22	9.7	19.91	25.13	22.94	30.67	5.6		16.98	198.41
Steel Packaging	15 01 04	1.54	0.64		0.4		0.3	0.26	0.96	4.64			0.46	9.2
Glass	15 01 07	55.08	62.18	40.18	50.58	47.72	47.2	52.26	64.98	51.74	68.42	63.26	33.58	637.18
Rubble	17 01 01	20.78	127.2	5.86	19.6	51.86	71.24	129.3	97.3	43.18	47.22	44.58	167.88	826
Wood	17 02 01	59.82	64.86	38.63	57.87	53.04	88.3	113.3	77.96	78.54	68.53	72.51	26.76	800.12
Copper	17 04 01	0.32	0.3		0.74	0.38	0.3	0.34		0.36			0.64	3.38
Soil & Stones	17 05 04	16.48	12.3				73.64	183.74	260.6	81.68	60.96			689.4
Gypsum / Plasterboard	17 08 02				3.45				3.08					6.53
Mixed C&D	17 09 04			6.14	240.79	50.5		21.22						318.65
Mixed Paper	20 01 01	3		1.06		0.4	0.56							5.02
Kitchen & Canteen Waste	20 01 08	231.02	188.79	178.44	221.1	354.72	286.71	369.94	315.06	313.8	262.32	217.7	197.1	3136.7
Wood	20 01 38	14.83	3.34	27.3	22.54	60.25				3.24				131.5
Hard Plastics	20 01 39	7.14	4.9	2.22	2.7	2.32	1.84	3.26	2.46	2.48	1.74	2.64	1.72	35.42
Steel	20 01 40	60.26	54.32	24.82	42.08	28.32	38.6	59.59	26.34	58.66	55.36	24.86	24.8	498.01
General Waste	20 03 01	760.27	763.14	584.29	956.28	813.08	766.79	952.98	875.76	944.76	954.23	806.74	719.38	9897.7
Municipal Waste	20 03 01	3018.35	2606.71	2502.53	2914.47	2068.45	2060.21	2473.37	2106.57	2040.26	1814.44	1774.99	1966.61	27346.96
Dry Recyclables	20 03 01	650.68	661.72	901.4	1139.25	2183.74	732.05	1953.53	1230.23	1449.02	1131.96	301.59	606.39	12941.56
Mixed Recyclables	20 03 01	65.98	72.56	45.66	66.78	68.13	43.42	70.44	49.1	46.24	56.26	46.52	45.38	676.47
Bulky Waste	20 03 07											82.2		82.2
Total		5357.09	4872.55	4734.47	6247.06	6283.11	4811.06	6865.1	5454.65	5482.27	4904.88	3750.18	4160.9	62923.32

2.2 Tonnage of Waste Recycled at the Coes Road Facility during the period of 1st January – 31st December 2008*Table 2.2 Tonnage of Waste Recycled/Recovered at the Coes Road Facility in 2008*

Waste Type	EWC Code	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Food	02 02 03	101.1	44.88	55.68	73.4	70.56	67.48	122.42	56.04	57.6	60.44	56.3	64.93	830.83
Cardboard	15 01 01	252.52	233.52	309.1	420.22	443.74	507.41	339.34	240.02	255.14	294.24	230.69	265.65	3791.59
Soft Plastic	15 01 02	3.4	6.74	2.9	1.62	3.94	3.84		11.88	12.66		15.54	25.84	88.36
Timber Pallets	15 01 03	17.65	30.4	23.6	17.93	40.3	26.13	34.03	15.72	15.2	15.72	16.27	20.04	272.99
Steel Packaging	15 01 04	14.36		12.26	8.72		6.3		9.22		18.52			69.38
Glass	15 01 07	29.44	85.7	53.48	57.38	26.58	57.6	72.08	55.48		84.34	56.36	54.26	632.7
Tyres	16 01 03	1.68	2.8		1.86	1.26		4.1	1.48	1.5	0.94	1.12		16.74
Fridges	16 02 11	0.92			0.4		0.82			0.52	0.48			3.14
Televisions	16 02 13	1.84			1.24	1.78				2.52				7.38
Batteries	16 06 01							2.62						2.62
Clean Concrete	17 01 01				139.4									139.4
Mixed C&D (Rubble)	17 01 07	216.5	236.2	133.36	304.5	306.68	427.7	488.94	383.98	434.58	316.32	97.6	57.92	3404.28
Wood	17 02 01	147.88	146.36	84.22	125.2	144.84	164.58	165.44	69.62	138.04	122.82	72.26	57.08	1438.34
Copper	17 04 01	0.88			2.34		1.46			1.34	0.62		0.86	7.5
Soil & Stones	17 05 04	34.66	39.12		199.82		71.08	11.02	67.08		24.3	16.04	193.14	656.26
Asbestos	17 06 05					0.42								0.42
Gypsum / Plasterboard	17 08 02			6.82		7.26				8.02	6.44	6.24		34.78
Unprocessed C&D	17 09 04	138.64	131.44	165.82	34.06						16.62	852.46	648.84	1987.88
C&D Fines	19 12 12	28.02	68.86		99.68	106.9	127.4	164.73	217.58	163.66	170.66	29.5		1176.99
Kitchen & Canteen Waste	20 01 08	194.64	152.54	159.02	229.02	325.16	268.12	267.48	292.3	251.72	248.54	185.58	158.18	2732.3
Wood	20 01 38			18.64	20.86	39.5		34.96	116.44	42.58	9.92		11.24	294.14
Hard Plastics	20 01 39	8.08		7.6	7.64	6.64		7.4	7.42	3.52	7.94	6.62	7.7	70.56

Steel	20 01 40	78.82	83.6	68.6	69.08	43.64	49.74	92.95	57.6	88.84	68.64	32.04	42.2	775.75
Aluminium	20 01 40	1.14			1.76	0.74			0.74				0.94	5.32
Dry Recyclables	20 03 01	646.52	641.24	942.91	1197.81	2177.52	769.25	1952.38	837.36	1662.34	1149.93	479.22	674.92	13131.4
Total		1918.69	1903.4	2044.01	3013.94	3747.46	2548.91	3759.89	2439.96	3139.78	2617.43	2153.84	2283.74	31571.05

2.3 Tonnage of Waste Disposed of from Coes Road Facility during the period 1st of January -31st of December 2008

Table 2.3 Tonnage of Waste Disposed of, Bambi Bins, 2008

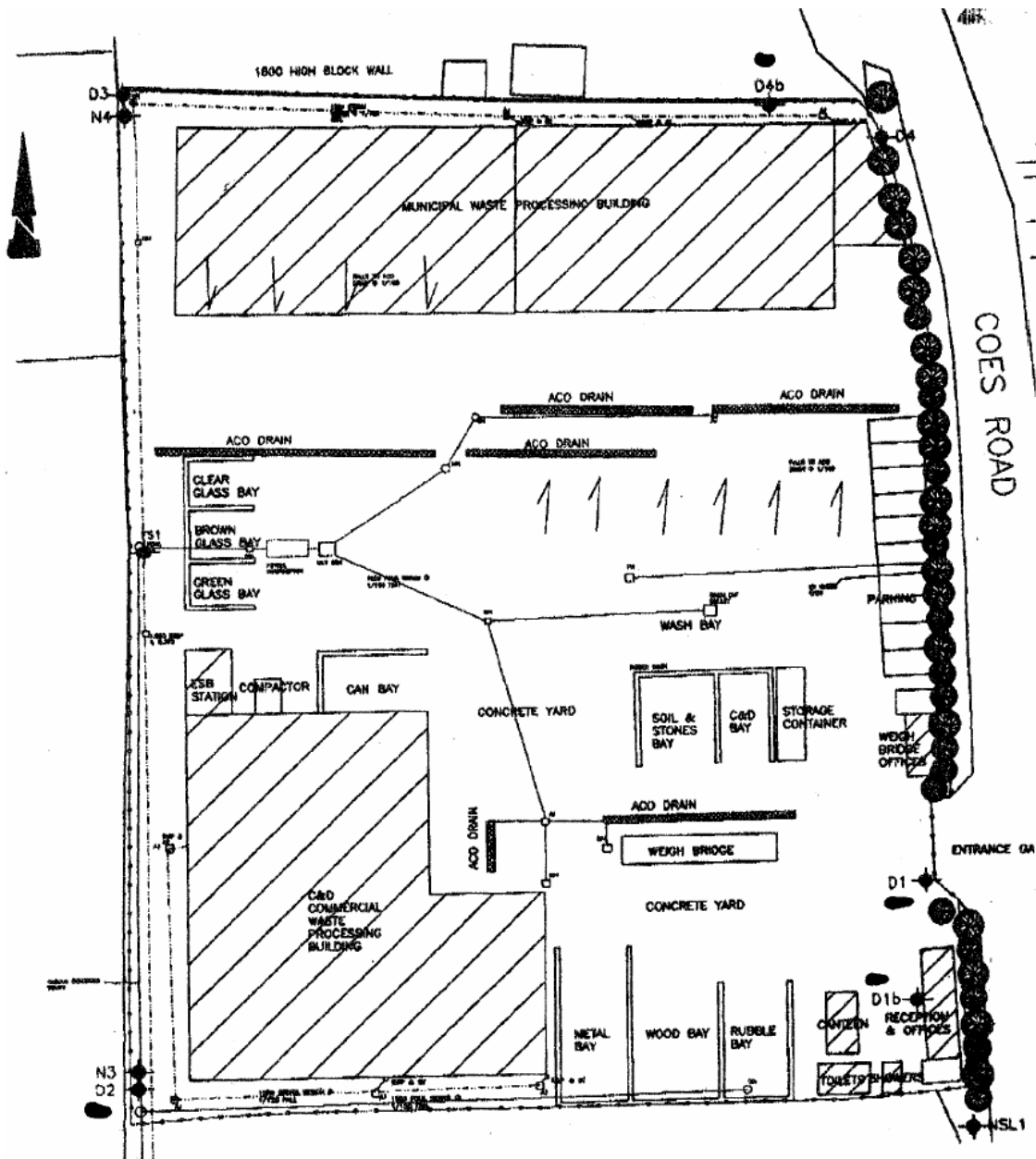
Waste Type	EWC Code	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
General Waste	20 03 01	171.9	125.02	127.98	151.66	260.2	147.56	207.9	244.26	240.4	158.76	60.07		1895.71
Municipal Waste	20 03 01	2979.02	2722.62	2454.5	2993.32	2246.83	2178.35	2684.9	2258.78	2341.96	1959.58	1812.38	2095.43	28727.67
Toner	08 03 18		19.9	9.24	8.34	9.44		8.36	11.76		11.52	7.98	7.1	93.64
Total		3150.92	2867.54	2591.72	3153.32	2516.47	2325.91	2901.16	2514.8	2582.36	2129.86	1880.43	2102.53	30717.02

3. EMISSIONS FROM THE FACILITY

3 Emissions from the Facility

Environmental monitoring results for the reporting period are outlined in the following sections. The results of all monitoring have been summarised in the tables below. An interpretation of the results and a location plan of all monitoring points are also presented. There is a high level of compliance with the standards set in the licence. Copies of the original monitoring reports have already been submitted to the Agency.

Figure 3.1 Site Map Outlining Monitoring Locations.



3.1 Quarterly Foul Sewer Monitoring Results Summary

Schedule D.4.1 of Waste Licence W0144-01 requires that emissions to sewer be monitored on a quarterly basis. The samples collected are analysed for Biological Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Suspended Solids (SS) and pH.

One foul sewer monitoring point is present on the site. This has been designated as FW1.

Table 3.1 Quarterly Foul Sewer Monitoring Results 2008

Date/Parameter	BOD	COD	Suspended Solids	pH	Temperature °C
	(mg/l)	(mg/l)	(mg/l)	pH Units	
ELV's as per Waste Licence W0144-01	3000	4500	3000	6-9	30
Q1	958	1700	306	6.38	15.1
Q2	309	470	96	6.04	16.4
Q3	415	920	43	6.45	16.2
Q4	1355	2520	328	6.04	12.9

Schedule C.3 of Waste Licence W0144-01 specifies Emission Limit Values (ELV's) for each of the parameters to be analysed. As can be seen from the results above the emissions to foul sewer were compliant for each foul sewer monitoring event in 2008.

Graphical representations of the results are presented in tables 3.2 to 3.6 below.

Table 3.2 Quarterly BOD Monitoring Results 2008

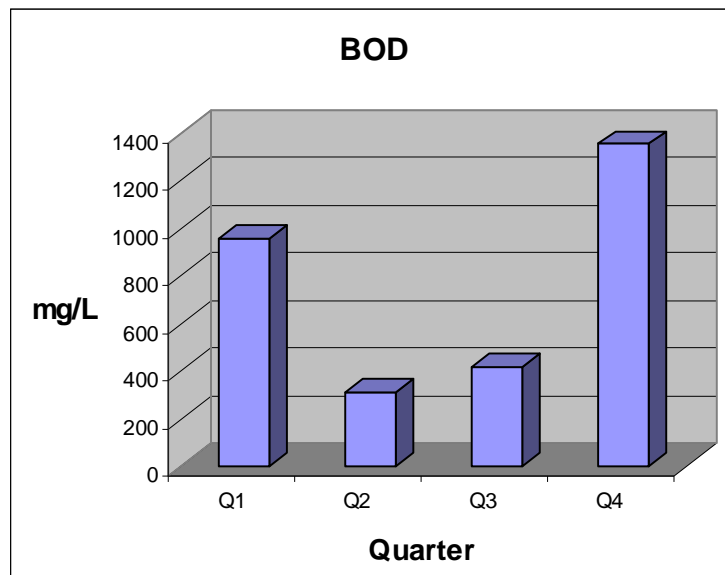


Table 3.3 Quarterly COD Monitoring Results 2008

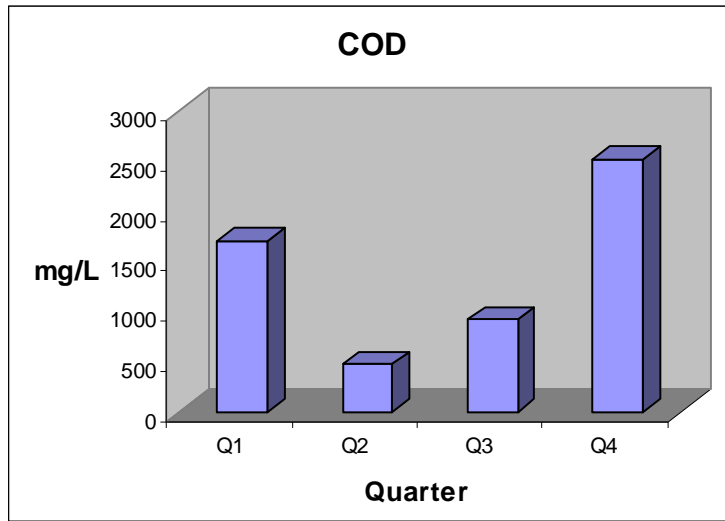


Table 3.4 Quarterly Suspended Solids Monitoring Results 2008

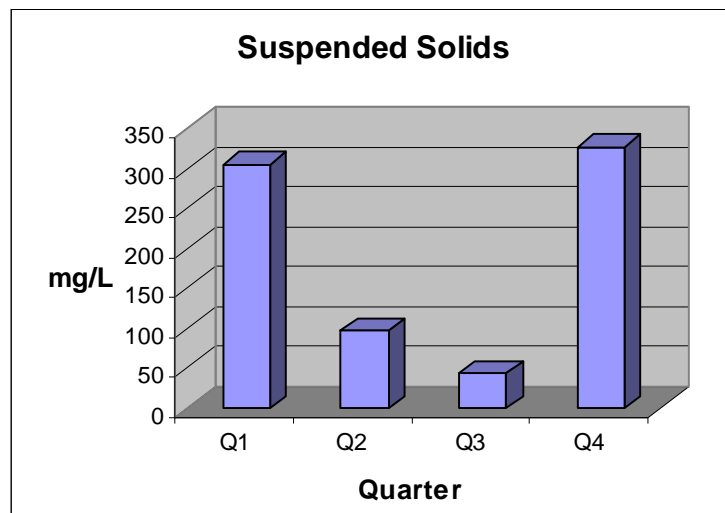


Table 3.5 Quarterly pH Monitoring Results 2008

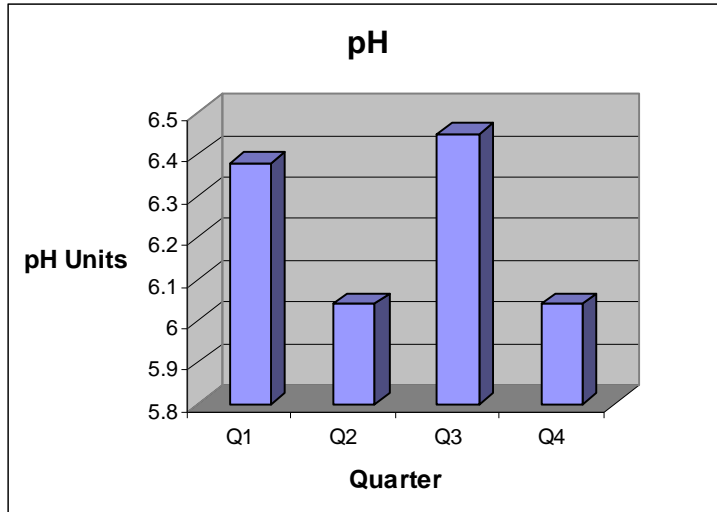
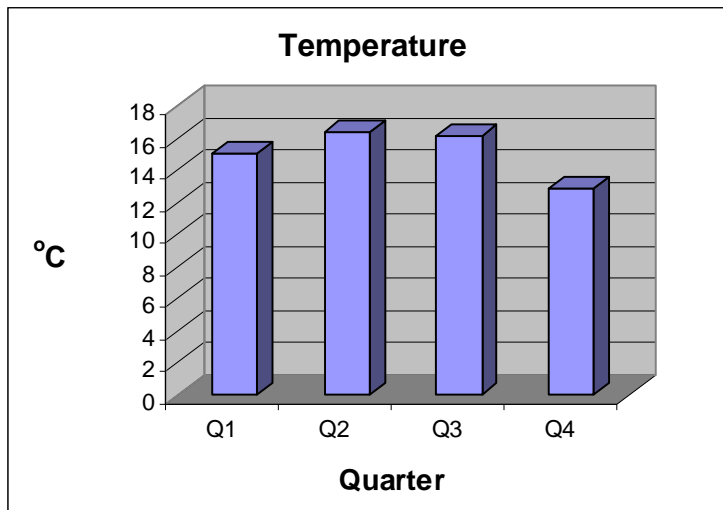


Table 3.6 Quarterly Temperature Monitoring Results 2008



3.2 Dust Monitoring Results Summary

In compliance with Schedule D.2 of Waste Licence W0144-01, three dust monitoring surveys were carried out during 2008, two between the months of May and September, to determine the impact of site operations on the surrounding environment.

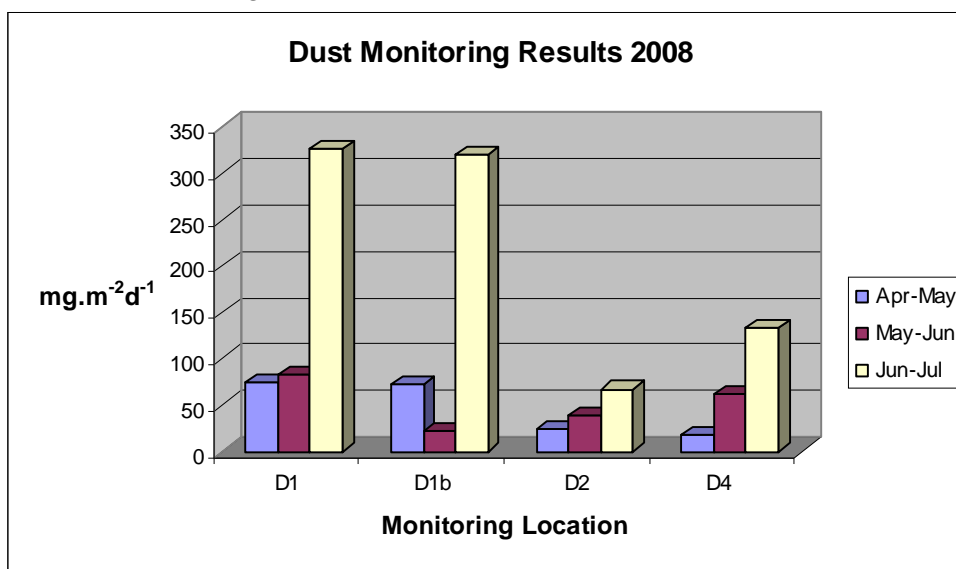
Schedule D.1 requires three dust monitoring locations, D1, D2 and D4 to be surveyed. However, dust monitoring surveys in previous years have shown that traffic movements along the N1 contributed to the dust deposition results obtained. As a result, Bambi Bins installed an additional dust monitoring location D1b at the side of the Bambi Bins office to actively reflect the operations being carried out in the yard. Results of the dust monitoring events are presented in Table 3.7 below.

Table 3.7 Dust Monitoring Results Summary 2008

Location/ Date	ELV (mg/m ² /day)	April-May	May-June	June-July
D1	350	74.4	82.8	325
D1b	350	72.6	22.8	318.8
D2	350	25	39.4	67.2
D4	350	18.4	61.7	133.3

All monitoring points sampled in 2008 were compliant with the emissions limits set out in Schedule C.2 Ambient Monitoring of W0144-01. Graphical representations of the results are presented in Table 3.8 below.

Table 3.8 Dust Monitoring Results 2008



3.3 Noise Monitoring Results Summary

As required in Schedule D.3.1. of Waste Licence W0144-01, noise monitoring is required to be carried out on an annual basis at three noise monitoring locations on site, N3, N4 and a Noise Sensitive Location (NSL). An NSL, as per the explanation in Waste Licence W0144-01 refers to:

“a dwelling house, hotel or hostel, health building, educational establishment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels”

Due to the industrial nature of the area, this type of receptor does not exist. Instead of monitoring at a noise sensitive location, monitoring was therefore carried out at a boundary position outside the Bambi Bins site located between Bambi Bins and the adjacent site “Dundalk Building Supplies Ltd.”. This location is identified as N1.

The day time noise monitoring survey for 2008 was carried out on the 17th of July. Night time noise monitoring was conducted on the 22nd of September.

Results of the Day-time and Night-time noise surveys are presented in Tables 3.9 and 3.10 below.

Table 3.9 Day Time Noise Monitoring Results 2008

Location	ELV as per Waste Licence W0144-01 L _{Aeq} (30 mins) dB(A)	L _{A90} (30 min) dB(A)	L _{A10} (30 min) dB(A)	L _{Aeq} (30 min) dB(A)
N1	55	53.2	61.1	60.0
N3	55	45.3	50.9	49.4
N4	55	54.9	64.7	61.9

Table 3.10 Night Time Noise Monitoring Results 2008

Location	ELV as per Waste Licence W0144-01 L _{Aeq} (30 mins) dB(A)	L _{A90} (30 min) dB(A)	L _{A10} (30 min) dB(A)	L _{Aeq} (30 min) dB(A)
N1	45	38.8	43.1	54.3
N3	45	38.0	45.3	44.0
N4	45	27.4	32.1	39.2

Bambi Bins & Wheel Bin Services Limited is located in an industrial area, with commercial premises on either side of the site. The site is rectangular in shape and the front of the yard runs parallel to the Dundalk by-pass. The access road to the industrial estate consists of a slip road from the by-pass, which is located approximately 20 meters from the front entrance to the premises.

Due to the industrial nature of the area, a very high volume of traffic uses both the Dundalk by-pass and the access road to the industrial estate. During the course of the survey, it was noted that as well as traffic associated with Bambi Bins & Wheel Bin

Services, there was a constant volume of traffic on the access road associated with the other businesses in the industrial estate.

The Emission Limit Values specified in Waste License W0144-01, Schedule C.1 were 55 dB(A) for daytime and 45 dB(A) for night-time activities. These limits were exceeded at a number of the monitoring locations during the 2008 annual noise survey. As can be seen from the results presented in the tables above, traffic on the Coes Road and activities on neighbouring sites contributed to the overall noise levels.

There is no significant tonal content associated with the operations at the facility.

Graphical representations of the results are presented in Tables 3.11 and 3.12 below.

Table 3.11 Day Time Noise Monitoring Results 2008

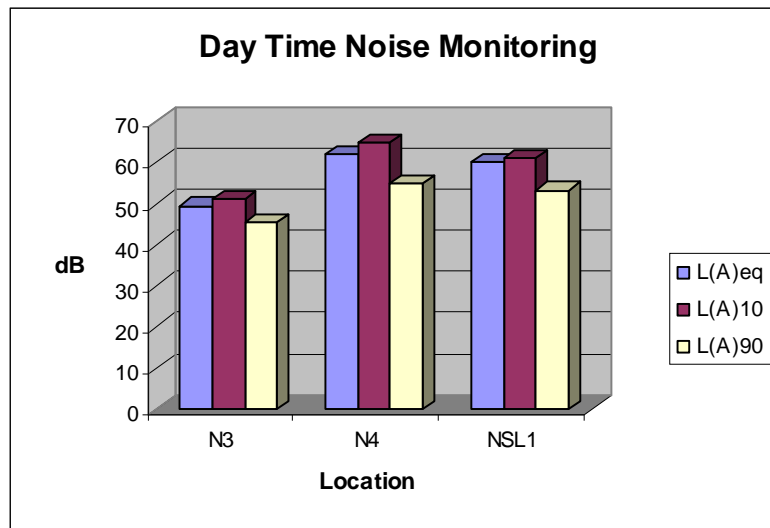
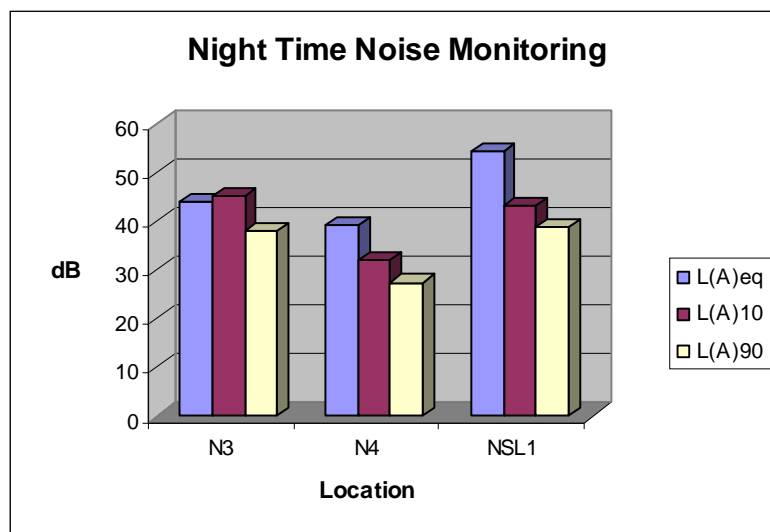


Table 3.12 Night Time Noise Monitoring Results 2008



4. RESOURCE AND ENERGY CONSUMPTION SUMMARY

4. Resource and Energy Consumption Summary

Bambi Bins use machine gas oil, electricity and water in the operation at the facility. It is a dry process and therefore large amounts of water are not used.

Gasoil and electricity are the two forms of energy used on site. This energy is used to power machinery used in the processing of the waste and to illuminate the working area. Electricity is also used in the day to day staff activity for example lighting in common areas, water heating in canteen.

Table 4.1 Summary table of resource consumption for the reporting period

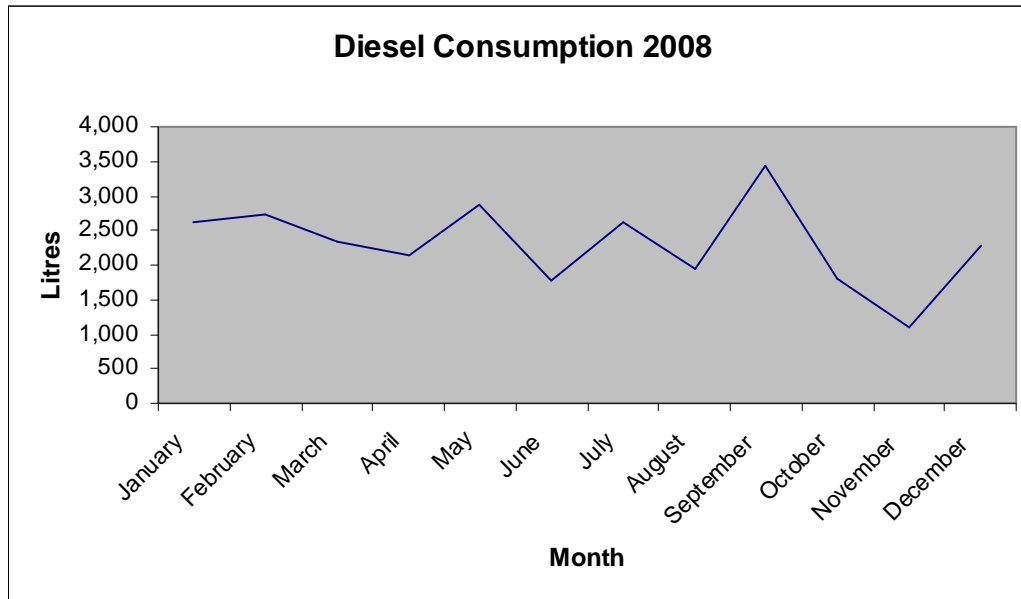
Site Energy Usage 2007	Quantity	Units
Gasoil	27,664	Litres
Electricity	114,660	kWh

4.1 Diesel Consumption

Table 4.2 Summary Table of Diesel Usage during the reporting period

Month	Diesel Usage Litres
January	2,630
February	2,721
March	2,341
April	2,154
May	2,884
June	1,779
July	2,612
August	1,931
September	3,436
October	1,797
November	1,089
December	2,290
Total	27,664

Figure 4.3 Graph showing diesel usages for reporting period



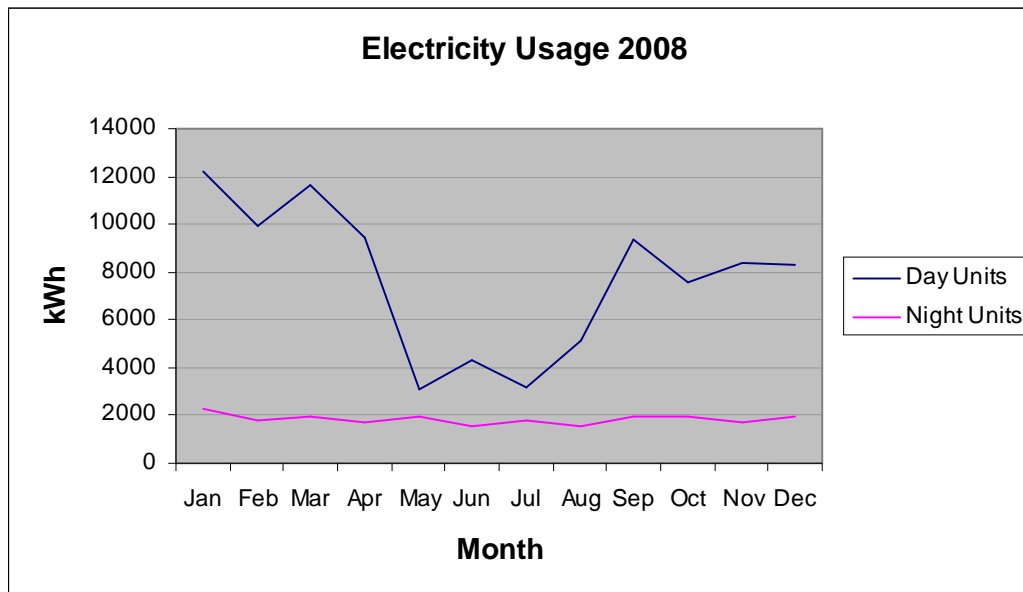
Diesel usage for this reporting period is similar to that consumed in 2007. A total of 27,329 Litres were consumed in 2007 in comparison to 27,664 Litres in 2008.

4.2 Electricity Consumption

Table 4.4 Summary Table of Electricity Usage during the reporting period

Month	Day Units kWh	Night Units kWh
January	12,240	2,280
February	9,960	1,800
March	11,640	1,920
April	9,480	1,680
May	3,120	1,920
June	4,320	1,560
July	3,180	1,800
August	5,160	1,560
September	9,360	1,920
October	7,560	1,920
November	8,400	1,680
December	8,280	,1920
Total	92,700	21,960

Figure 4.5 Electricity Usage 2008



As can be seen from the figures presented in Table 4.4 and Figure 4.5 above the daytime kWh usage was at its peak in January, February and March in 2008. The electricity usage decreased approaching the summer months when there was less need for heating and artificial light due to longer natural daylight hours. The electricity usage began to increase again as the winter months approached and levelled off for the months of November and December. The night kWh usage remained stable throughout the year as the site is not operational during these hours.

Electricity usage for 2008 is significantly lower to the figure reported for 2007. The figures for 2007 show months January to October 2007 are comparable to the figures recorded for the same period in 2008 (93,440kWh in 2007 compared to 94,340kWh in 2008).

The main discrepancies in the kWh usages occurred during the months of November/December 2007 and November/December 2008 (32,640kWh in 2007 compared to 20,280kWh in 2008).

Since November 2008 C&D waste is no longer processed on-site using the trommel and picking line. The waste is bulked up into 40ft open top ejector trailers and transferred to another Oxigen Facility for further processing and recovery. This has lead to the trommel ceasing its operation and thus explaining the considerable reduction in electricity usage on-site.

5. DEVELOPMENT/INFRASTRUCTURAL WORKS FOR 2008/2009

5.1 2008 Development Works

5.1.1 Hardstand Improvement Works

Improvement works were carried out to the hardstand area of the yard throughout the year. The main areas where improvements were carried out were in front of the weighbridge, in front of the C&D Bay, Timber Bay and Metal Bay and beside the Aco drains in front of the Municipal Waste Processing Building.

5.2 2009 Development Works

It is proposed to decommission, dismantle and remove the trommel and picking line from the C&D Shed. No other major developmental works proposed or planned for 2009.

6. OBJECTIVES & TARGETS

Objectives & Targets for 2008*Table 6.1 List of Environmental Objectives and Targets for 2008 as contained in AER*

Objective	Description	Target
1	Improvement of yard infrastructure	1.1 Carry out improvement works on hardstand areas
2	To increase recycling figures	2.1 Achieve annual recycling targets 2.2 Improve recovery of office material 2.3 Increase recovery of Canteen Waste
3	Training	3.1 Provide refresher training for all staff 3.2 Provide training for any new staff members
4	Increase Recycling Service Provided to w-bin customers	4.1 Provide w-bin customers in the Louth and Monaghan area with a brown bin for the collection of organic waste, bin to be collected twice monthly. 4.2 Provide customers mentioned in 4.1 with an additional green bin collection per month. 4.3 Reduce the number of black bin collections by one bin per month for the customers mentioned above
5	Implement an Auditing System for External Waste Facilities	5.1 Conduct audits of external waste facilities

6.1 Progress Report on the Achievement of 2008 Objectives and Targets

Objective 1

Target 1.1: Carry out improvement works on hardstand areas.

Improvement works were carried out to the hardstand area of the yard on a phased basis throughout the year. The main areas where improvements were carried out were in front of the weighbridge, in front of the C&D Bay, Timber Bay and Metal Bay and beside the Aco drains in front of the Municipal Waste Processing Building.

Objective 2

2.1 Achieve annual recycling targets.

Bambi Bins sought to increase annual recycling targets based on the recycling percentages achieved in 2007. The percentage diverted from landfill in 2007 was 41%. In 2008 50% of material was transferred to other facilities for further recycling/recovery.

2.2 Improve recovery of office material

Green bins have been positioned outside each of the main offices and canteen. All staff members are encouraged to put all dry recyclable waste into the green bins provided. Offices are provided with small bins for waste paper which is emptied into the green bin outside the office at the end of each working day.

2.3 Increase recovery of Canteen Waste

Brown bins have been positioned outside each of the main offices and canteen. All staff members are encouraged to put all of their food waste into the brown bins provided.

Objective 3

Target 3.1: Provide refresher training for all staff

A training schedule was drawn up for 2008. As there were no new members of operational staff recruited during the year, refresher training was provided to all staff. The refresher training included training on the conditions of the Waste Licence, Waste Collection Permits, Emergency Response Procedure, and all relevant procedures contained in the EMS, e.g. Waste Acceptance Procedure, Odour Monitoring, Litter Monitoring etc. Records of this training are kept in the training file on-site.

Training was also provided to drivers on conditions of the Waste Collection Permit and Emergency Response Procedure.

Janet O'Shea completed all modules of the FÁS Waste Management Training Course during 2008.

Target 3.2: Provide training for any new staff members.

Noel McMahon took up post of Facility Manager in July. On his commencement training was provided on the conditions of Waste Licence W0144-01 and EMS Procedures.

All drivers that commenced employment during the year were provided with training on the conditions of the Waste Collection Permit and Emergency Procedure.

Objective 4***4.1 Provide w-bin customers in the Louth and Monaghan area with a brown bin for the collection of organic waste, bin to be collected twice monthly.***

Wheel bin customers in Louth and Monaghan were provided with a collection service of organic kitchen and garden waste following the roll out of the brown bins in October 2007.

A series of local meetings took place whereby Oxigen provided customers with information on what they could/could not place in their brown bins. The meetings took place at a number of locations in October and November of 2007. All meetings were advertised in The Argus and the Dundalk Democrat (local newspapers). A stand was set up at each of the meetings and leaflets were available for customers to take.

The provision of this service successfully saw the collection of 3,136.7 tonnes of source segregated organic material from households. This material was bulked up at the Bambi Bins facility and sent to an approved composting facility for further processing and recycling.

4.2 Provide customers mentioned in 4.1 with an additional green bin collection per month.

All customers in the Dundalk, Ardee, Blackrock and Carrickmacross areas were provided with one additional green bin collection per month for source segregated dry recyclable materials. This additional collection service was provided to these customers since November 2007.

Customers in the East Meath and South Louth area (Drogheda, Duleek, Stamullen, Terminfeckin, Clogherhead, Bettystown and Laytown) were provided with one additional green bin collection per month for source segregated dry recyclable materials. This additional collection service was commenced at the beginning of December 2008.

Following approval from The Agency to accept dry recyclable material into the facility until midnight, an evening collection service has been organised to accommodate the additional dry recyclable collections outlined above.

4.3 Reduce the number of black bin collections by one bin per month for the customers mentioned above

The reduction in the black bin collection service affected customers in the Dundalk, Ardee, Blackrock and Carrickmacross areas. As these customers had been provided with 2 brown bin collections per month and one additional green bin collection (total of two green bin collections per month) an incentive to use the correct recycling bins was necessary. The reduction in black bins collections has encouraged customers to use their alternative bins for segregated recyclables.

Objective 5**Target 5.1: Conduct audits of external waste facilities.**

Audits were carried out on four offsite waste destinations. A summary of audits are outlined in tables 6.4 to 6.7 below.

Table 6.5: Audit Summary of Oxigen Environmental Ltd, Ballymount Facility

Site Name:	Oxigen Environmental Ltd.
EPA Licence No.:	W0208-01
Date of Inspection:	19.05.08
Audit Conducted By:	Janet O'Shea
On-Site Contact Present:	Gillian Free
<p>Summary of Waste Activities carried out on-site Oxigen operates a dry recyclables; C&D and general skip waste recovery facility at Merrywell Industrial Estate, Ballymount, Dublin 22. Skip waste is processed in the processing shed where it is trommelled and a positive picking line is in place.</p>	
<p>Overall Summary of Audit: On the day of the audit the site was operational as normal. Construction works were being carried out on the site at the time of the visit so the audit was concentrated on the processing shed and records.</p> <p>The flow of material in the site from point of entry at the weighbridge, through processing stages in the shed, until the segregated material/ waste residue leaves the facility for recycling/disposal was observed.</p> <p>The Environmental Management System was also inspected.</p>	
<p>Records Requested</p> <ul style="list-style-type: none"> ▪ Weighbridge Tickets ▪ EMS Procedures ▪ Daily Inspection Sheets <p>All records requested were available for inspection on the day of the site audit.</p>	

Table 6.6: Audit Summary of Cavan Waste Disposal

Site Name:	Cavan Waste Disposal
EPA Licence No.:	W0207-01
Date of Inspection:	11.06.08
Audit Conducted By:	Janet O'Shea
On-Site Contact Present:	Claire Keogh
<p>Summary of Waste Activities carried out on-site Cavan Waste Disposal (CWD) is Licensed to accept Household Waste, Commercial & Industrial Waste, C&D Waste and Household Hazardous Waste. A total tonnage of 24,990 tonnes per annum is not to be exceeded.</p> <p>CWD accept skips from one-off and account customers. This skip waste is processed in the processing shed where a positive picking line is in place. Dry recyclables are collected from domestic and commercial customers, and cardboard from commercial customers. This material is bulked up on-site and sent on for further processing.</p> <p>Wood is recovered from general waste and chipped on-site. The end product is used for animal bedding.</p>	
<p>Overall Summary of Audit: On the day of the audit the site was operational as normal. The Waste Acceptance Procedure was examined and compared to on-site practices.</p> <p>The processing of waste, chipping of wood and was observed. All were found to be satisfactory.</p>	
<p>Records Requested</p> <ul style="list-style-type: none"> • Waste Acceptance Procedure • Weighbridge Dockets • Consignments Notes for loads of woodchips sent offsite <p>All records requested were available for inspection on the day of the site audit.</p>	

Table 6.5: Audit Summary of Oxigen Environmental Ltd, Robinhood Facility

Site Name: EPA Licence No.: Date of Inspection: Audit Conducted By: On-Site Contact Present:	Oxigen Environmental Ltd. W0152-03 Janet O'Shea Rachel Griffith
<p>Summary of Waste Activities carried out on-site Oxigen Robinhood is bailing station mainly involved in the bailing of municipal waste and dry recyclables. Under conditions set out in Waste Licence W0152-01, the facility is permitted to accept up to 160,000 tonnes of material per annum.</p>	
<p>Overall Summary of Audit: On the day of the site visit loads were observed upon entry to the facility and followed until weighing out of the facility after tipping. The bailing of material and process involved was demonstrated. No nuisances were noted on-site.</p>	
<p>Records Requested</p> <ul style="list-style-type: none"> • Daily Inspection Records • Bailing Records <p>All records were on-site and available for inspection.</p>	

Table 6.5: Visit Summary of Corranure Landfill

Site Name:	Corranure Landfill
EPA Licence No.:	W077-02
Date of Inspection:	22.07.08
Audit Conducted By:	Noel McMahon
On-Site Contact Present:	Paul Williams
<p>Summary of Waste Activities carried out on-site Cavan landfill are Licensed to accept 90,000 tonnes of waste per annum comprising of household, commercial, C&D, green and street sweeping residues. The landfill accepts waste from Waste Transfer Stations and MRFs and also directly from kerbside form Permitted Waste Collectors.</p> <p>The landfill also operate a civic amenity centre at the site which accepts recyclables from house hold customers.</p>	
<p>Overall Summary of Visit: The Landfill Manager outlined the flow of material from point of entry to the site. Loads were observed being weighed at the weighbridge and tipped into the tip head. Once loads were tipped and a waste inspection carried out the waste was compacted. The gas extraction system was also observed.</p> <p>No nuisances such as litter or odours were noted during the inspection. The haul roadways were in good condition.</p>	
<p>Records Requested Weighbridge docketts</p>	

6.2 Objectives and Targets 2009

Table 6.4 List of Environmental Objectives and Targets for 2009

Objective	Description	Person Responsible	Target	Completion Date
1	Improvement of Yard Area and C&D Shed	Facility Manager	1.1 Revamp the general appearance of the Facility by the provision of new signage; painting skips/containers etc.	December 2009
			1.2 Dismantle the C&D Trommel and Picking Line and remove from the C&D Shed.	March 2009
			1.3 Create a new loading bay for Mixed C&D in the C&D Shed.	March 2009
			1.4 Relocate Cardboard Bales Storage Bay within Transfer Shed.	March 2009
2	Reduce Energy Resources Used	Compliance Officer	2.1 Carry out an energy audit on-site.	February 2009
			2.2 Identify areas where energy usage can be reduced.	February 2009
			2.3 Implement a programme of achievement.	March 2009
			2.4 Create awareness of energy reduction programme with all staff on-site.	March 2009
3	Training	Compliance Officer	3.1 Provide refresher training for all staff.	October 2009
			3.2 Provide training for any new staff members.	As Required
4	Schedule Audit System for External Waste Facilities	Facility Manager; Compliance Officer	4.1 Conduct audits of external waste facilities and document as per schedule.	January 2009
5	Weighbridge Verification	Facility Manager; Precia Molem	5.1 Lift the pit mounted weighbridge with a crane to carry out cleaning and maintenance works to the pit area of the weighbridge.	March 2009
			5.2 Carry out a calibration and verification of weighbridge.	March 2009
6	Pipes, Drains and Bunded Storage Area	Facility manager and Compliance Officer with the services of DPM Ventures Ltd.	6.1 Carry out de-sludging of Oil Interceptor by an approved contractor.	April 2009
			6.2 Jet drains in the yard by an approved contractor to ensure all run off flows readily to the oil	April 2009

			interceptor. 6.3 Bunds with integrity certificates expiring in 2009 to be tested for water tightness. 6.4 Carry out repairs to any damaged grids on the Aco drains.	May 2009 March 2009
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7. OPERATIONAL PROCEDURES DEVELOPED BY BAMBI BINS IN 2008

7. Procedures Developed by Bambi Bins in 2008

No new procedures were developed in 2008.

8. TANK, DRUM, PIPELINE AND BUND TESTING INSPECTION REPORT

8. Tank, Drum, Pipeline and Bund Inspection Report

Portable bunds are maintained on site for the storage of hydraulic oil, engine oil, waste oil, diesel, coolants and waste chemicals. These bunds have all been certified for integrity by the suppliers for a period of 3 years from the date of purchase. A copy of these certificates are held on file and available for inspection.

Two new portable bunds were purchased during 2008. Three of the existing bunds purchased in 2005 were tested on-site for integrity as per EMS Procedure 'EP 04 Procedure for Testing of Bunded Areas'. All tests were recorded on EMS Log Sheet 'EP111 Testing of Bunded Area Log Sheet'. These log sheets are kept on file along with original certificates.

9. REPORTED INCIDENTS

9. Reported Incidents

The Agency carried out sampling of the emission to sewer at location FS1 on the 2nd of April. Monitoring results of this sample were in exceedance of the emission limits for BOD (4,248mg/l with ELV of 3,000mg/l) and COD (5,850mg/l with ELV of 4,500mg/l) and with a pH of 4.8 with ELV range of 6-9.

Previous monitoring carried out by BHP Laboratories on behalf of the Licensee were in compliance with the limits set out in the Licence.

Subsequent to the results from the Agency Bambi Bins replaced the filters on the oil interceptor. The oil interceptor was also cleaned and de-sludged.

The Agency carried out another unannounced sampling of the emission to sewer at location FS1 on the 14th of August. Monitoring results of this sample were within the exceedance limits as set out in Schedule C of the Licence.

No other incidents took place at the Facility during 2008.

An Incidents File is maintained on-site at all times.

10. COMPLAINTS SUMMARY

10. Complaints Summary

There were two complaints recorded and logged in the Complaints Register in 2008. A summary of these complaints are outlined in table 10.1 below.

Table 10.1: Summary of Complaints Received 2008

Date	Complainant	Complaint
22.07.08	KJ Cumiskey, Franks Furniture	Odour emanating from Bambi Bins Facility.
01.08.08	Ken Cumiskey, Franks Furniture	Odour emanating from Bambi Bins Facility.

The first complaint from KJ Cumiskey was made directly to The Agency office on the 22nd of July. The second complaint, received on the 1st of August, was logged directly with the Bambi Bins Office and details submitted to The Agency on the evening of the complaint. Bambi Bins are satisfied that odour was not emanating from the facility on either occasion when the complaints were logged. It was concluded that the odour was originating from the Waste Water Treatment Plant on the Coes Road.

Complaint Logs were completed for both complaints. Written records are kept in the Complaints Register as per Condition 10.4 of the Licence.

As a preventative measure for any odour nuisances being detected from the Facility, the Facility Manager or Compliance Officer conducts daily odour nuisance checks. These are logged in the daily inspection records. If an odour is detected the odour control neutralising system is turned on and the origin of the odour is detected. Appropriate corrective action will be taken as deemed necessary.

An Odour Impact Assessment was carried out by EPA Inspector on the 12th of June 2008. As detailed in Inspection Report (W0144-01)08SI10dh no nuisance odours were detected.

No other complaints were received regarding the environmental performance of the facility or in relation to any other element of facility operations in 2008 either through the Facility Office or the Agency.

11. REVIEW OF NUISANCE CONTROLS

11. Review of Nuisance Controls

Eastern Pest Control carries out 8 visits per year to monitor the pest nuisance on site. Records of all site inspection visits carried out by EPC are kept on-file and are available for inspection. These inspection reports outline the controls, level of activity and observations for each site inspection.

Daily and weekly site inspections are carried out by the facility manager and the compliance officer on site, which will highlight any nuisances on site, such as litter, pests, noise, birds, flies, odour or dust. Should any such nuisances be recorded, then appropriate measures are undertaken.

There are procedures in place to deal with any such nuisances in the facility. In 2008, a nuisance from seagulls was noted in the winter months (November and December). A number of nuisance control measures were put in place.

1. Doors of the municipal waste processing building were kept closed as far as was reasonably practical.
2. In the event of shed doors needing to be open, a yard operative was appointed to bird control duty, walking the length of the MWPB to prevent seagulls gaining access to foodstuff in the shed.
3. The food bin is stored indoors, with the shed doors closed. It is pulled out daily to fill the container, once filled it is pushed indoors once again and the doors of the shed re-closed.
4. A barn door style metal lid was fitted on the food bin. This lid acts as a funnel when loading the bin to minimise the risk of spillages occurring. Once the bin is loaded the lid is closed which prevents odours emanating from the bin thus attracting seagulls.

No other major nuisances were noted in 2008 and all other nuisance control measures currently in place are found to be adequate.

12. FINANCIAL PROVISION

12. Financial Provision

During the reporting period the Licensee was requested by the Agency to report on their Environmental Liability Risk Assessment (ELRA), Residuals Management Plan (RMP), Closure Remediation and Aftercare Plans (CRAMP) and Financial Provision (FP).

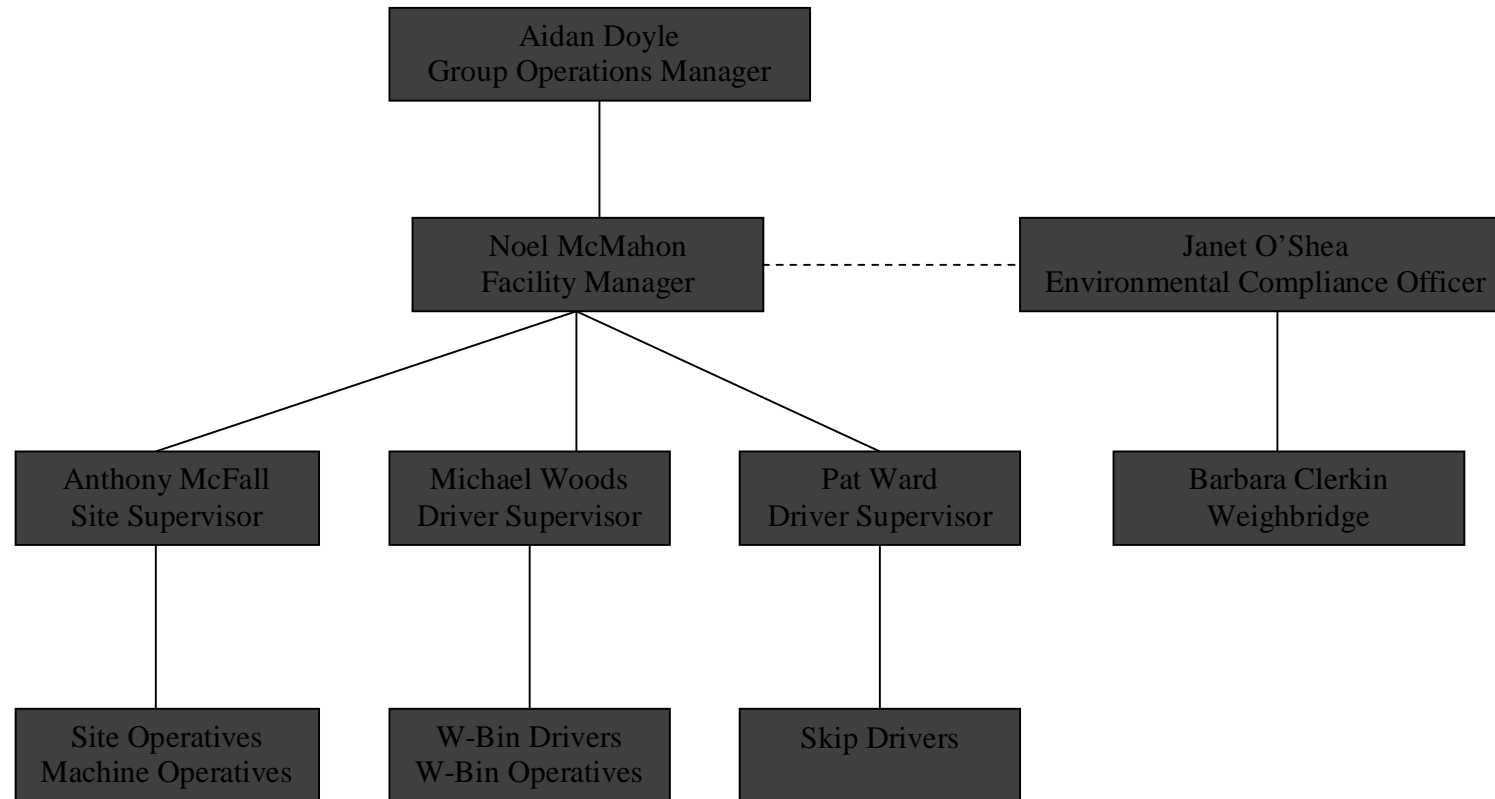
The Licensee conducted an operational risk categorisation as set out in the EPA Guidance Document 'Guidance on Environmental Liability Risk Assessment, Residuals Management Plans and Financial Provision'. On completion of the Initial Screening and Operational Risk Categorisation, Bambi Bins are classified as Risk Category 3. A complexity band of G4 is assigned to the Bambi Bins Facility due to our on-site licensed activities. This automatically classifies the facility as Risk Category 3.

An Environmental Liabilities Risk Assessment was forwarded to the Agency in March 2003. Details of costs for the Financial Provision for Closure, Restoration and Aftercare were included as part of this report. Bambi Bins & Wheel Bin Services proposed to put a Bank Bond in place to cover such costs once the figures had been accepted by the Agency.

It is now proposed that the ELRA will be assessed against the requirements of the EPA Guidance and revised if necessary in 2009 to fulfil license requirements.

13. MANAGEMENT STRUCTURE

13. Management Structure



14. PROGRAMME FOR PUBLIC INFORMATION

14. Programme for Public Information

A program for public information is in place at the facility. During the reporting period there were no requests from the public to inspect any of the records and files listed in the submission.

The lists of documents available for inspection in the Communication Folder are as follows:

- Waste Licence W0144-01
- Environmental Policy
- Unacceptable Waste List
- Pest/Vermin Control Records
- Waste Licences/Permits of Facilities
- Environmental Monitoring Results for the current year
- Complaints Register

Members of the public who wish to inspect these files may do so at any reasonable time by making an appointment either with the Facility Manager or Compliance Officer at the telephone number posted on the main facility entrance sign erected in accordance with Condition 3.3.