Full Annual Environmental Report
Period 1st January 2008 to 31st December 2008
The City Bin Co., Carrowmoneash
Oranmore, County Galway.

Prepared to comply with
Waste Licence Register No. 148-1.
Condition 11.5.1, 11.5.2 and Schedule F

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2 copies – The City Bin Co.
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Contents

1. Introduction

1.1. Reporting Period

This Annual Environmental Report (AER) is the fifth such document produced for The City Bin Co waste transfer station at Carrowmoneash, Oranmore, Co. Galway. Environmental monitoring and reporting are required under Schedules D and E of the facility's EPA Waste Licence (Licence Number 148-1). The reporting period for the AER is from 1st January 2008 until 31st December 2008. This AER is in follow up to the previous two reports, which was for the reporting period 1st January 2006 to 31st December 2006 and 1st January 2007 to 31st December 2007.

1.2. Location of Facility

The City Bin Co waste transfer station is located in the townland of Carrowmoneash, Oranmore, Co. Galway, approximately 140 metres east of the N18 (Galway – Limerick) National Primary Road, 420 metres north of the N6 (Galway – Dublin) Dual Carriageway and approximately 30 metres north of the Galway – Dublin railway line. Other facilities surrounding the waste transfer station include the New Galway Metal Company, Old Galway Metal Company yard, the old Steelforms site and the Galway Oil Depot Site. The Deerpark Industrial Estate and a number of commercial premises are located west of the waste transfer station, on the opposite the side of the N18.

2. Waste

2.1. Waste Management Activities

Waste management activities carried out at the facility are outlined in Tables 2.1 and 2.2.

Table 2.1 Licensed Disposal Activities

Licensed Waste Disposal Activities, in accordance with the Fourth Schedule of the Waste Management Act, 1996-2003	
Class 11	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule. *This activity is limited to bulking and transfer of waste.*
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 was produced. *This activity is limited to the storage of waste prior to bulking and transfer of waste.*

Table 2.2 Licensed Recovery Activities

Licensed Waste Disposal Activities, in accordance with the Fourth Schedule of the Waste Management Act, 1996-2003	
Class 2	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes): *This activity is limited to recovery of paper, wood, plastic and organic waste.*
Class 3	Recycling or reclamation of metals and metal compounds. *This activity is limited to recovery of glass and construction and demolition waste.*
Class 4	Recycling or reclamation of other inorganic materials. *This activity is limited to recovery of glass and construction and demolition waste.*
Class 13	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule. Other than temporary storage, pending collection, on the premises where such waste is produced. *This activity is limited to the storage of water prior to recovery.*

Incoming waste vehicles proceed to an onsite weighbridge where they are then weighed and assessed. Wastes are then tipped in the Waste and Recycling Transfer Building, where they are inspected for suitability, and reloaded if they are found to be unacceptable. Wastes are then sorted and loaded onto waste transfer vehicles prior to their removal from site.

2.2. Quantity and Composition of Wastes Received

Table 2.3 lists the incoming wastes that were received at the facility during the period 1st January 2008 to 31st December 2008.

Table 2.3 Waste Received at the Facility from 1st January 2008 to 31st December 2008

Waste Type	EWC Code	Quantity (tonnes)
Mixed Packaging	150106	3,238.97
Mixed of concrete, bricks, Tiles and Ceramics	170107	8.78
Mixed Construction and Demolition Waste	170904	2,929.79
Organic Compost Kitchen Waste	200108	907.94
Other Fractions Not Otherwise Specified	200199	11,236.92
Mixed Municipal Waste	200301	17,562.16
Total		**35,884.56**

2.3. Waste Sent Offsite for Recovery or Disposal

Tables 2.4 and 2.5 list the quantities of outgoing waste from the waste transfer station during the reporting period 1st January 2008 to 31st December 2008.

Table 2.4 Waste Sent Offsite for Disposal from 1st January 2008 to 31st December 2008

Waste Type	EWC Code	Quantity (tonnes)
Mixed Municipal Waste	200301	17,056.31
Total		**17,056.31**

Table 2.5 Waste Sent Offsite for Recovery from 1st January 2008 to 31st December 2008

Waste Type	EWC Code	Quantity (tonnes)
Mixed Packaging	150106	3,181.51
Mixed of concrete, bricks, Tiles and Ceramics	170107	397.62
Mixed Construction and Demolition Waste	170904	3,571.00
Organic Compost Kitchen Waste	200108	683.62
Other Fractions Not Otherwise Specified	200199	10,316.28
Total		**18,150.03**

Total waste sent offsite during 2008 therefore amounts to 35206.34 tonnes, which is 678.22 tonnes less than the value recorded for incoming waste. This difference in the waste is attributed to a positive balance on the remaining waste not removed from the site of the transfer station for some of the months during the year 2008. However, all outstanding waste will be removed in following month January 2009.

2.4. Waste Received in Previous Years

2.4.1 Reporting Period 1st July 2004 to 31st December 2005

The first Annual Environmental Report (AER) produced for the waste transfer station related to the period 1st July 2004 to 31st December 2005.Table 2.6 lists the incoming wastes that were received at the facility during this period.

Table 2.6 Waste Received at the Facility from 1st July 2004 to 31st December 2005

Waste Type	EWC Code	Quantity (tonnes)
Mixed Construction and Demolition	17 09 02	419.03
Mixed Commercial and Industrial	20 03 01	9,433.91
Total		**9,852.94**

2.4.2 Reporting Period 1st January 2006 to 31st December 2006

Table 2.7 presents the quantities of incoming wastes that were received at the facility during the next reporting period, 1st January 2006 to 31st January 2006.

Table 2.7 Waste Received at the Facility from 1st January 2006 to 31st December 2006

Waste Type	EWC Code	Quantity (tonnes)
Mixed Construction and Demolition	17 09 02	1,650.28
Mixed Commercial and Industrial	20 03 01	12,066.68
Paper Cardboard	20 01 01	8.14
Total		**13,725.10**

2.4.3 Reporting Period 1st January 2007 to 31st December 2007

Table 2.8 present the incoming waste tones that were received at the facility during period 1st January 2007 to 31st December 2007.

Table 2.8 Waste Received at the Facility from 1st January 2007 to 31st December 2007

Waste Type	EWC Code	Quantity (tonnes)
Mixed Construction and Demolition	17 09 04	3,773.81
Mixed Commercial and Industrial Municipal Waste	20 01 00	13,957.56
Paper Cardboard	20 01 01	1,504.84
Incoming Waste to TS (Mixed Municipal Waste)	20 03 01	10,884.31
Total		**30,120.52**

2.5. Waste Sent Offsite in Previous Years

2.5.1 Reporting Period 1st July 2004 to 31st December 2005

Tables 2.9 and 2.10 list the quantities of outgoing waste from the facility during the period 1st July 2004 to 31st December 2005.

Table 2.9 Waste Sent Offsite for Recovery from 1st July 2004 to 31st December 2005

Waste Type	EWC Code	Quantity (tonnes)
Mixed Construction and Demolition	17 09 02	100.2
Mixed Commercial and Industrial	20 03 01	8,720.44
Total		**8,820.64**

Table 2.10 Waste Sent Offsite for Disposal from 1st July 2004 to 31st December 2005

Waste Type	EWC Code	Quantity (tonnes)
Mixed Construction and Demolition	17 09 02	818
Mixed Commercial and Industrial	20 03 01	163
Total		**981**

2.5.2 Reporting Period 1st January 2006 to 31st December 2006

Tables 2.11 and 2.12 list the quantities of outgoing waste from the facility during the period 1st January 2006 to 31st December 2006.

Table 2.11 Waste Sent Offsite for Recovery from 1st January 2006 to 31st December 2006

Waste Type	EWC Code	Quantity (tonnes)
Mixed Construction and Demolition	17 09 02	0.00
Mixed Commercial and Industrial	20 01 00	11,612.66
Paper Cardboard	20 01 00	0.00
Total		**11,612.66**

Table 2.12 Waste Sent Offsite for Disposal from 1st January 2006 to 31st December 2006

Waste Type	EWC Code	Quantity (tonnes)
Mixed Construction and Demolition	17 09 04	1,757.48
Mixed Commercial and Industrial	15 01 06	0.00
Organic Compost Kitchen Waste	20 01 08	342.32
Paper Cardboard	20 01 00	12.64
Total		**2,112.44**

2.5.3 Reporting Period 1st January 2007 to 31st December 2007

Tables 2.13 and 2.14 list the quantities of outgoing waste from the facility during the period 1st January 2007 to 31st December 2007.

Table 2.13 Waste Sent Offsite for Recovery from 1st January 2007 to 31st December 2007

Waste Type	EWC Code	Quantity (tonnes)
Mixed Commercial and Industrial	15 01 06	0.00
Mixed Construction and Demolition	17 09 04	3,054.12
Mixed Construction and Demolition	17 01 04	554.59
Organic Compost Kitchen Waste	20 01 08	617.7
Paper Cardboard	20 03 01	2,900.10
Total		**7,126.51**

Table 2.14 Waste Sent Offsite for Disposal from 1st January 2007 to 31st December 2007

Waste Type	EWC Code	Quantity (tonnes)
Mixed Construction and Demolition	17 09 04	0.00
Mixed Commercial and Industrial Municipal Waste	20 01 00	3,174.02
Paper Cardboard	20 01 01	0.00
Mixed Municipal Waste	20 03 01	19,863.29
Total		**23,037.31**

3. Summary Report on Emissions

3.1. Monitoring Schedule

Table 3.1 presents the monitoring and reporting requirements in compliance with Waste License 148-1 Schedule D: Monitoring. Please see Figures 1 and 2 for monitoring locations.

Table 3.1 Monitoring Requirements, Schedule D of Waste Licence 148-1

Media	Parameter	Monitoring Frequency	Reporting Frequency
Surface Water	Quality	Quarterly	Quarterly
Groundwater	Quantity/ Quality	Bi-annually	Quarterly
Noise	Levels	Bi-annually	Annually
Dust	Quantity	Three times per year	Three times per year
Air	Total Particulates	Annually	Annually

Further to a letter sent by the EPA on 23rd June 2005 (EPA Ref:148-1/GEN07), monitoring of groundwater at each of the six boreholes was reduced from quarterly to bi-annually.

3.2. Dust Monitoring

3.2.1 Summary of Results

No exceedences of the total dust deposition limits 350 mg/m^2/day were recorded during the 2008 monitoring period. There were no complaints made in relation to dust emission level at the facility during last year. Other dust producing facility operate in the vicinity of the waste transfer station and taking into account the location of the dust monitoring location and waste transfer building, it is likely that outside source influence the results for the site.

A summary of the Dust deposition rates for the facility during the reporting period are presented in table 3.2

Table 3.2 Dust Deposition Rates

Sampling Point	Dust Deposition Rate (mg/m2/day)		
	Q2 2008	Q3 2008	Q4 2008
D2	194	126	82
D3	228	188	69
D4	112	297	80

3.3. Noise Monitoring

3.3.1 Monitoring Locations

Noise monitoring was carried out twice during the reporting period. All noise monitoring locations were chosen to comply with the ISO 1996: *Acoustics – Description and Measurement of Environmental Noise Guidelines*. Monitoring locations N1, N2, N3 and N4 are located along the boundary walls of the site.

Monitoring locations NSL5, NSL6 and NSL7 represent three other locations that can be considered as noise sensitive receptors.

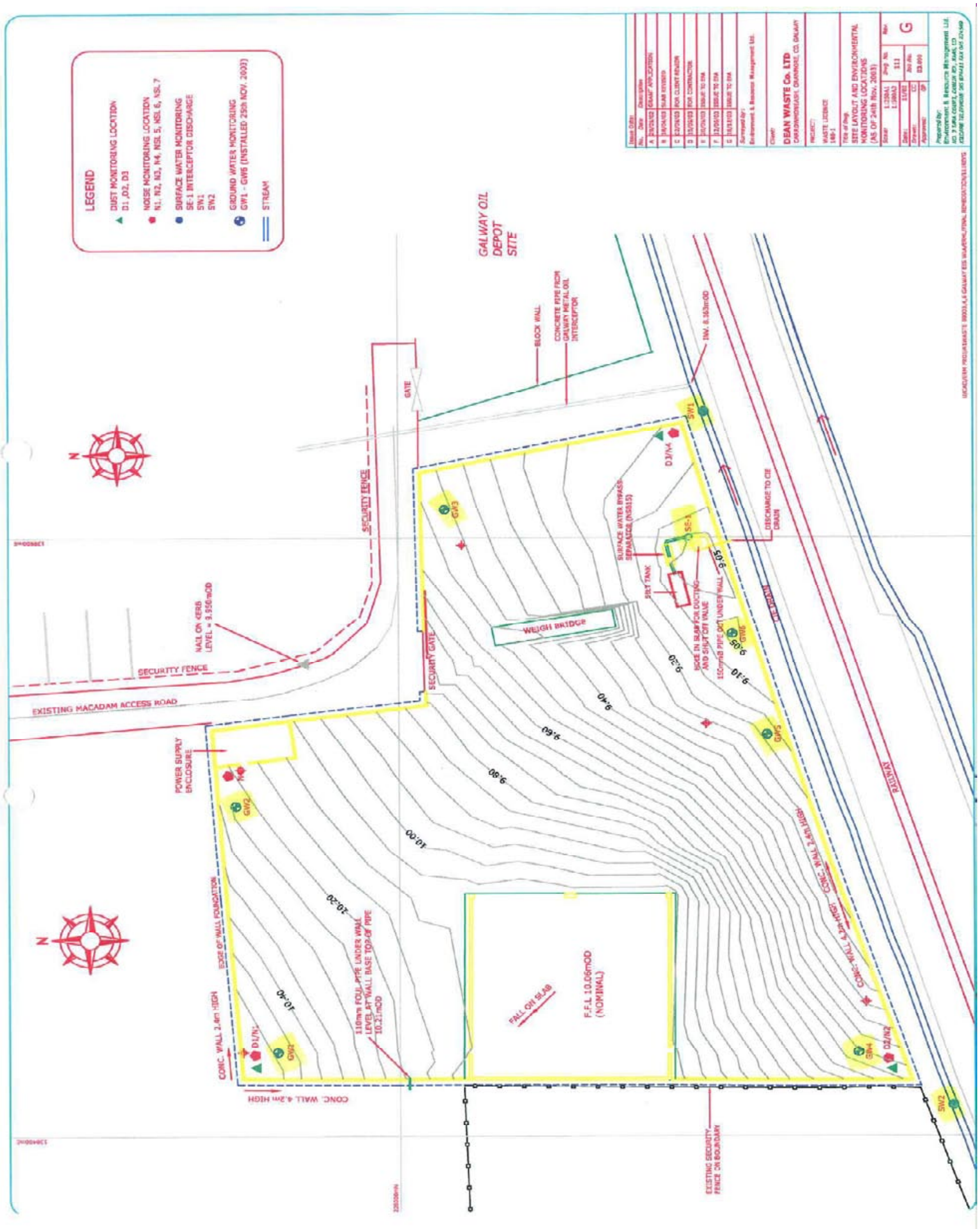
3.3.2 Summary of Results

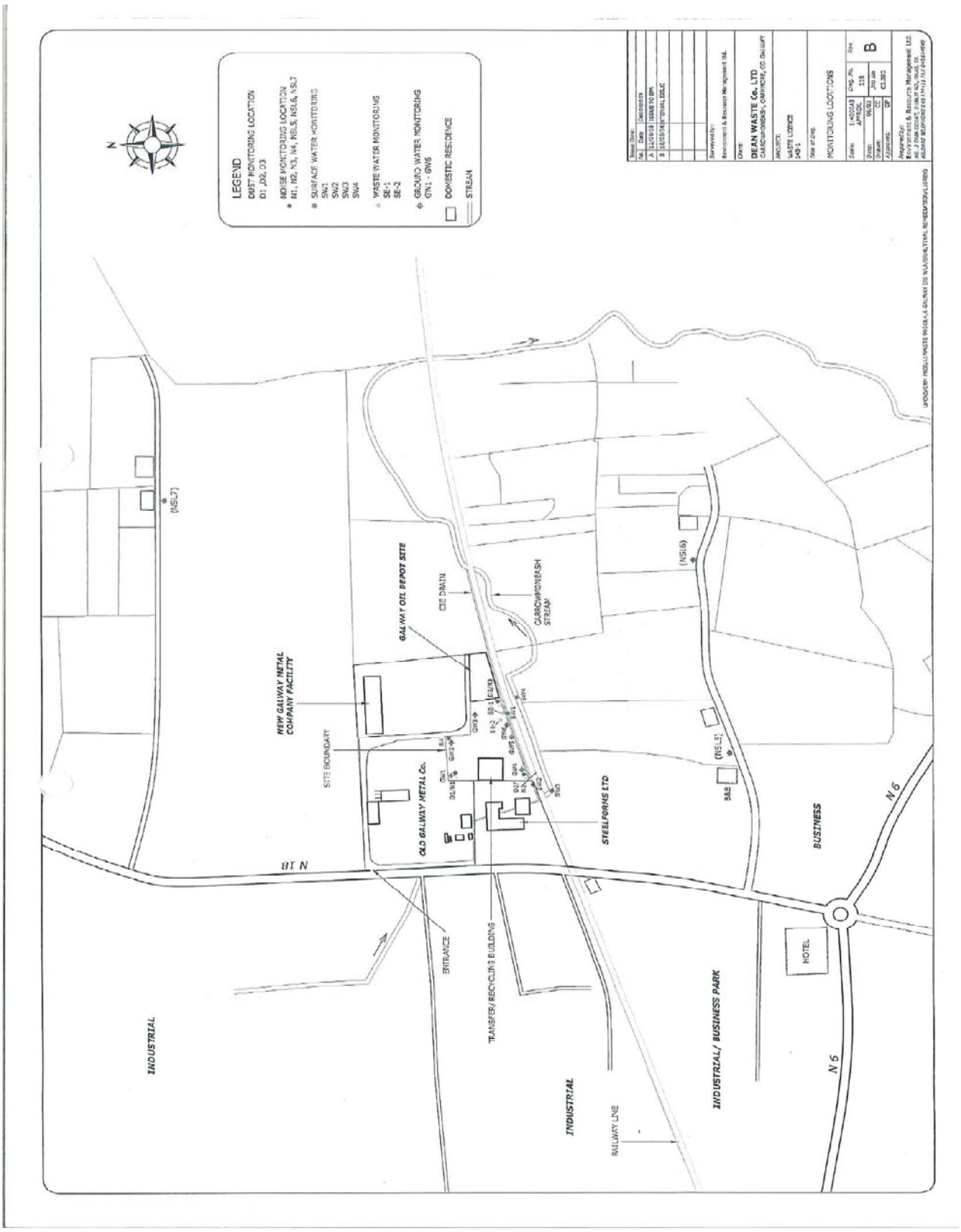
Table 3.3 presents the results of noise monitoring at the facility during the reporting period. The dominant source of noise at and surrounding the facility is traffic on the Galway to Limerick Dual Carriageway (N6) and the Oranmore to Sligo Road (N18). Machinery and vehicles in use at neighbouring sites also contribute to environmental noise levels in the area. Traffic noise was audible at all locations monitored during both the night time and daytime noise surveys.

There is no indication that waste handling operations at the facility result in noise being a nuisance in the local environment.

Table 3.3 Noise Monitoring Results from 1st January 2008 to 31st December 2008

Monitoring Location	N1	N2	N3	N4	NSL5	NSL6	NSL7
Quarter 2 2008-Daytime							
Noise Level –L Aeq 15min dB(A)	65.0	68.6	64.0	62.5	70.0	50.0	57.0
Quarter 2 2008- Night time							
Noise Level –L Aeq 15min dB(A)	58.9	60.4	52.5	57.7	59.9	47.9	54.6
Quarter 3 2008-Daytime							
Noise Level –L Aeq 15min dB(A)	53.7	62.6	64.0	59.4	54.5	55.3	56.0
Quarter 3 2008- Night time							
Noise Level –L Aeq 15min dB(A)	46.4	47.9	55.7	62.3	53.8	51.9	55.7


LEGEND
GALWAY OIL DEPOT SITE
WEIGH BRIDGE
SECURITY FENCE
EXISTING MACADAM ACCESS ROAD
RAILWAY
DEAN WASTE Co. LTD


LEGEND
DUST MONITORING LOCATION
D1 ,D2, D3
NOISE MONITORING LOCATION
N1, N2, N3, N4, NSL5, NSL6, NSL7
SURFACE WATER MONITORING
SW1
SW2
SW3
SW4
WASTE WATER MONITORING
SE-1
SE-2
GROUND WATER MONITORING
GW1 - GW6
DOMESTIC RESIDENCE
STREAM
DEAN WASTE Co. LTD
CARROWMONEASH, CARNMORE, CO GALWAY
WASTE LICENCE
148-1
MONITORING LOCATIONS
NEW GALWAY METAL COMPANY FACILITY
GALWAY OIL DEPOT SITE
CIE DRAIN
CARROWMONEASH STREAM
SITE BOUNDARY
OLD GALWAY METAL Co.
STEELFORMS LTD
BUSINESS
N6
BIN
ENTRANCE
TRANSFER/RECYCLING BUILDING
INDUSTRIAL
RAILWAY LINE
INDUSTRIAL/ BUSINESS PARK
HOTEL
(NSL7)
(NSL6)
(NSL5)

3.4. Surface Water Monitoring

3.4.1 Summary of Results

Four surface water-sampling events were undertaken at three monitoring locations SW-1, SW-2 and SE-1 during the monitoring period. The ranges of values recorded for each parameter over the reporting period are shown in Table 3.4

Table 3.4 Surface Water Monitoring Results: Low - High Range 1st January 2008 to 31st December 2008.

Parameter	Units	Monitoring Location			Waste Licence Trigger Limits for SE1
		SW1	SW2	SE1	
BOD	mg/l	3-61	<2-8	3-10	25
Total Suspended Solids	mg/l	<10-37	<10-54	<10- 24	60
Oil Fats and Greases	mg/l	<1-3	<1	<1	
pH	-	7.04 - 7.73	7.11 - 7.62	6.99 -7.83	
Ammoniacal Nitrogen as N	mg/l	1.1 - 2.9	<0.2	0.8	
Mineral Oil	mg/l	0.16-0.52	<0.001-<0.001	<0.001-<0.16	5

The results of water monitoring at the facility indicated that results generally range within typical surface water quality concentrations for industrial areas. Trigger limits for water quality results at SE1 were never exceeded during monitoring throughout 2008. No incident reports were therefore required to be submitted. BOD and suspended solids at SW1 and suspended solids at SW2 were found to have elevated in the first quarter. These elevated results may have been a result of heavy rain and high level of surface water. The level of suspended solids and BOD returned to normal levels when sampled during the third and fourth quarter.

3.5. Groundwater Monitoring

3.5.1 Summary of Results

Groundwater samples are taken on a bi-annual basis at six monitoring locations, GW-1, GW-2, GW-3, GW4, GW5 and GW6, during the monitoring period. Groundwater sampling was carried out during the second and third quarters of 2008 at the waste transfer station. The ranges of results recorded during sampling are presented in Table 3.5.

Table 3.5 Groundwater Monitoring Results: Low - High Range 1st January 2008 to 31st December 2008.

Parameter	Units	GW1	GW2	GW3	GW4	GW5	GW6
Diesel Range Organics (DRO)	mg/l	<10-<10	215-236	401-1388	<10	<10	<10-614
Mineral Oil by GC	mg/l	<10-<10	<10-<10	<10-<10	<10-<10	<10-<10	<10-<10
Petrol Range Organics (PRO) C5-C9	mg/l	<10-<10	<10-288	<10-<10	<10-<10	<10-<10	<10-<10
Petrol Range Organics (PRO) C10-12	mg/l	<10-<10	<10-1617	<10-<10	<10-<10	<10-<10	<10-<10
Benzene	µg/l	<10-<10	<10-18	<10-<10	<10-<10	<10-<10	<10-<10
Toluene	µg/l	<10-<10	<10-<10	<10-<10	<10-<10	<10-<10	<10-<10
Ethylbenzene	µg/l	<10-<10	<10-<10	<10-<10	<10-<10	<10-<10	<10-<10
Total Xylene	µg/l	<10-<10	<10-<10	<10-<10	<10-<10	<10-<10	<10-<10
Conductivity (at 25 C)	mS/cm	0.603-0.630	0.382-0.559	0.603-0.605	0.497-0.544	0.544-0.709	0.347-0.892

There is no evidence to suggest direct emissions to groundwater from activities at the facility. Elevations on GW2, GW3 and GW6 in diesel range organics fraction and the petro range organic for GW2 are not likely to be a result of the direct emissions to groundwater from activities carried out at the facility but are more likely to be a result of possibly an incident which took place further northeast, outside the grounds of transfer station.

3.6. Trend Analyses of Groundwater quality

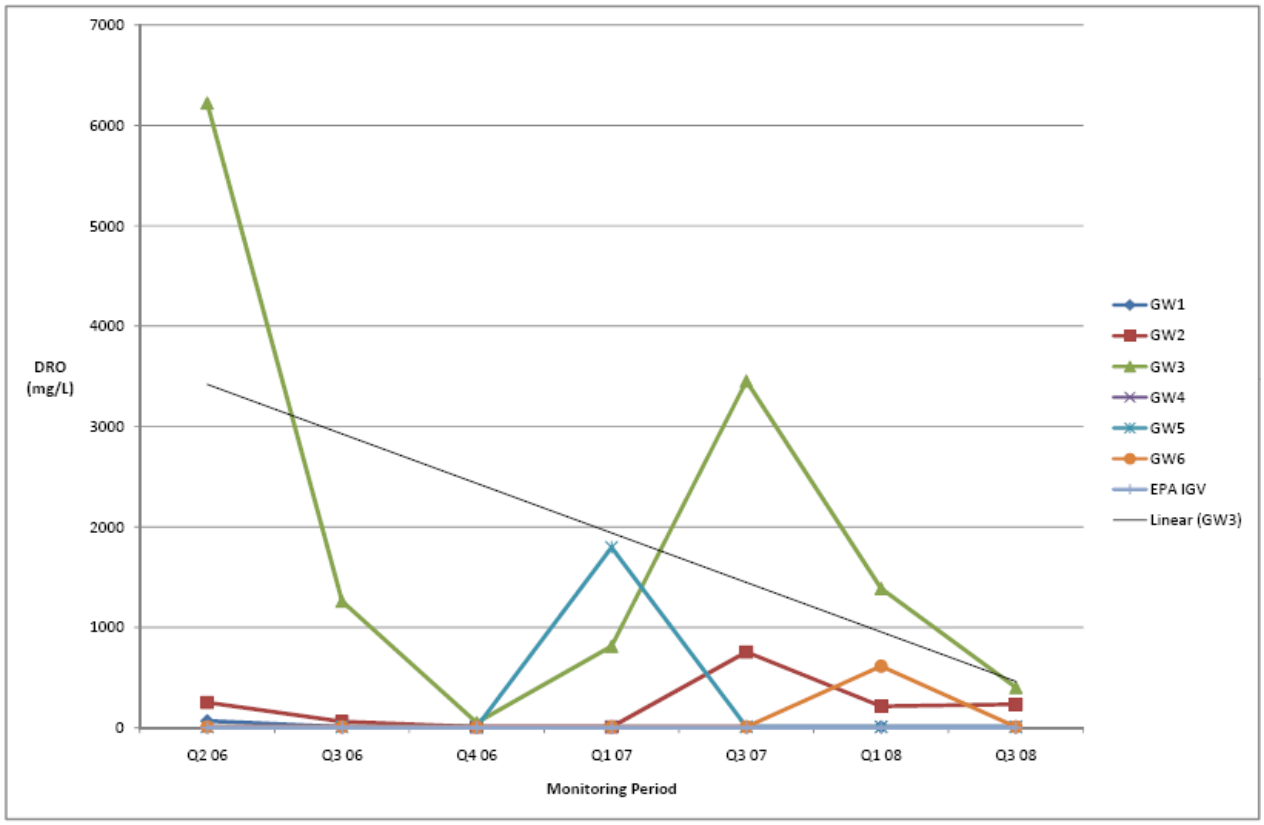
3.6.1 Summary Report

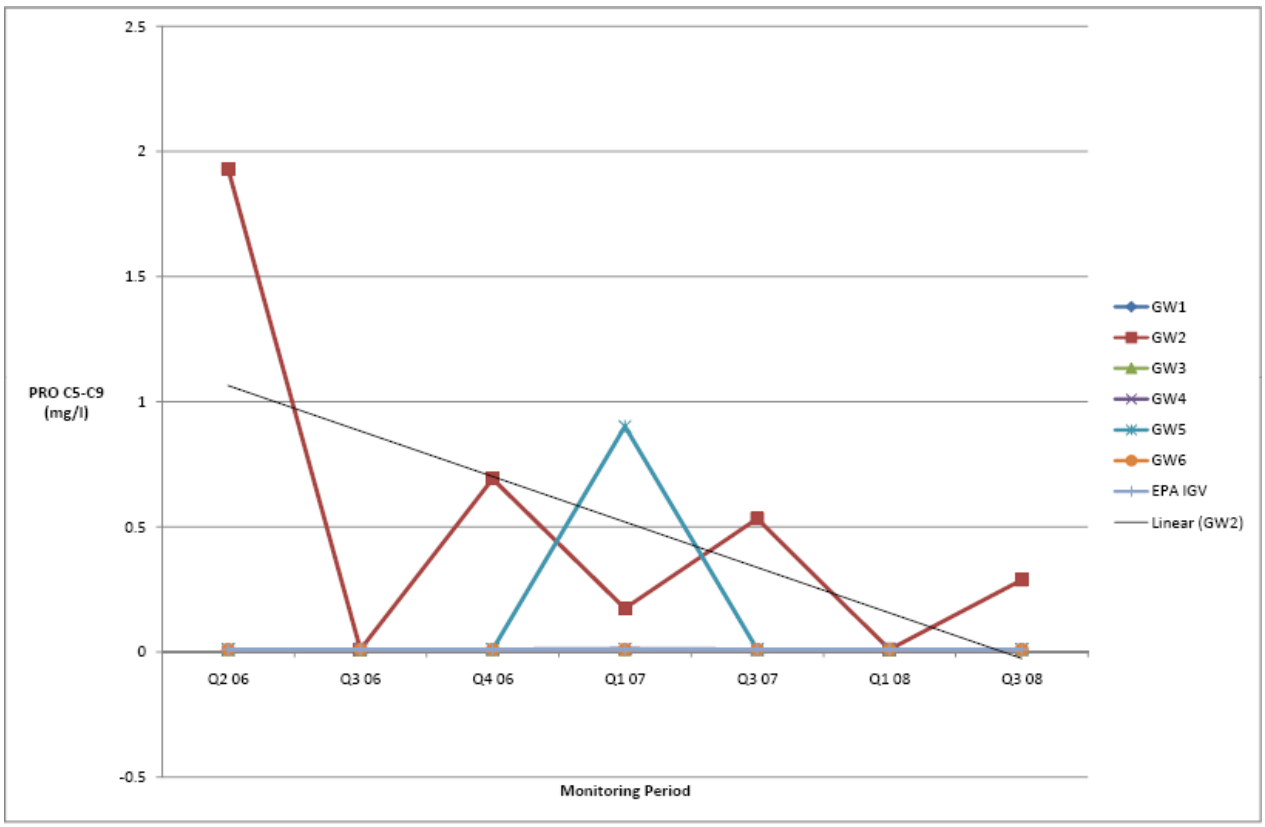
Table 3.6 Present details the boreholes where significant elevations in DRO, PRO and Mineral Oil in results occurred since Q3 2006. Significant elevations in DRO, PRO and Mineral Oil are those above interim guideline values.

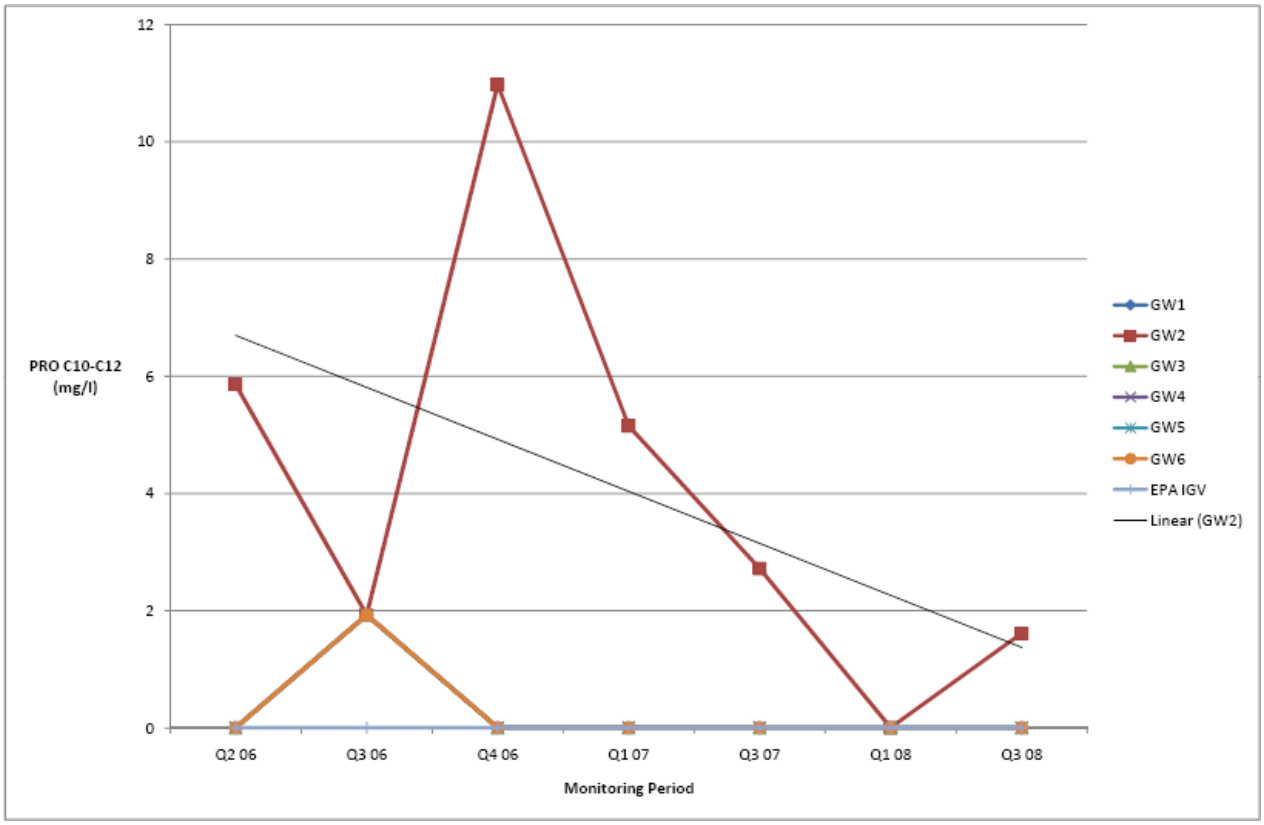
Table 3.6 Significance peaks in Groundwater Results above IGV's since Q3 2006

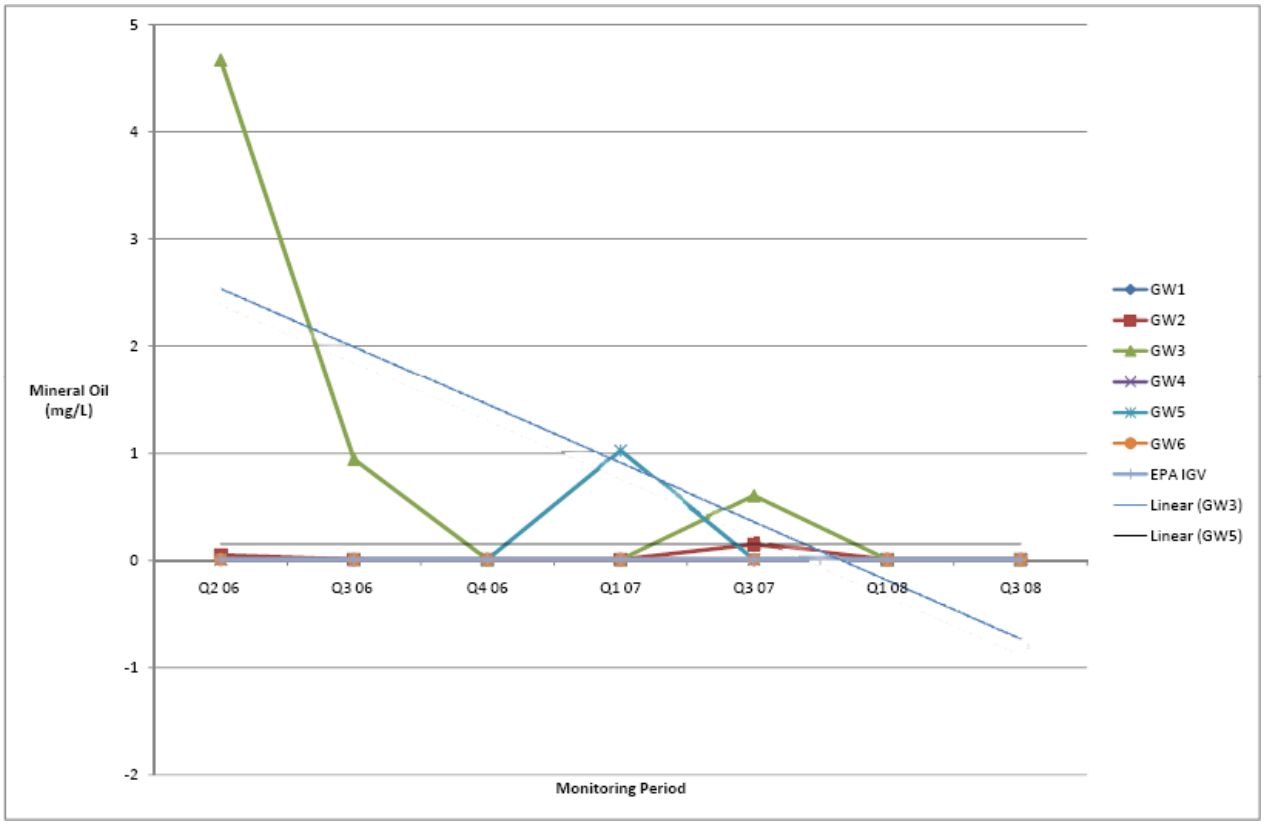
Parameter	List I/II	GW1	GW2	GW3	GW4	GW5*	GW6
DRO	I		✔	✔		✔	✔
PRO C5-C9	I		✔			✔	
PRO C10-C12	I		✔			✔	✔
Mineral Oil	I		✔	✔		✔	

** All elevations in GW5 relate to one incident which occurred in Q1 2007 and have since been resolved.*


7000
6000
5000
4000
3000
2000
1000
0
DRO
(mg/L)
Q2 06
Q3 06
Q4 06
Q1 07
Q3 07
Q1 08
Q3 08
Monitoring Period
GW1
GW2
GW3
GW4
GW5
GW6
EPA IGV
Linear (GW3)


2.5
2
1.5
1
0.5
0
-0.5
PRO C5-C9
(mg/l)
Q2 06
Q3 06
Q4 06
Q1 07
Q3 07
Q1 08
Q3 08
Monitoring Period
GW1
GW2
GW3
GW4
GW5
GW6
EPA IGV
Linear (GW2)


PRO C10-C12 (mg/l)
12
10
8
6
4
2
0
Q2 06
Q3 06
Q4 06
Q1 07
Q3 07
Q1 08
Q3 08
Monitoring Period
GW1
GW2
GW3
GW4
GW5
GW6
EPA IGV
Linear (GW2)


Mineral Oil (mg/L)
5
4
3
2
1
0
-1
-2
Q2 06
Q3 06
Q4 06
Q1 07
Q3 07
Q1 08
Q3 08
Monitoring Period
GW1
GW2
GW3
GW4
GW5
GW6
EPA IGV
Linear (GW3)
Linear (GW5)

The trend lines added to the graphs show that in general occurrences of significant elevations in DRO, PRO and Mineral Oil above IGV's in other boreholes have either decreased or remain static since Q3 2006. The trend lines would indicate that the levels of DRO, PRO and Mineral Oil are decreasing. It should be noted that the reduction of monitoring frequency and therefore reduced number of monitoring results since Q1 2007 may affect the accuracy of the trend results.

3.7. Foul Water Transported Offsite

Foul water, which was the result of cleans up of drainage sump and oil and grit interceptor, was collected and disposed of safely by Comhlacht Lompar Clochmor Teo. A total of 4,100 liters of liquid (EWC 13 05 07) was collected on 11th September 2008.

4. Resource and Energy Consumption

Table 4.1 present the resource and energy consumption at the facility during the reporting period 1st January 2008 to 31sty December 2008.

Table 4.1. Energy and Resource Consumption.

Resource/ Energy Use	Quantity
Water	**-**
Electricity	**89,093 units**
Diesel	**11,189.11 liters**

5. Report on Development Work

5.1. Works for the Preceding year

During the reporting period 1st January 2008 to 31st December 2008 the licensee has completed the development works as listed in Table 5.1

Table 5.1 Development Works between 1st January 2008 and 31st December 2008

Item	Works	Licence Condition
1.	Install a new camera system to monitoring into and around the site and onto weighbridge.	N/A
2.	Open facility to the general public as a waste drop-off facility. Plan a traffic system in place for public access.	N/A
3.	Increase incoming tonnage to the facility	N/A

5.2. Works for the Coming Year

The following is the proposed works for the reporting period 1st January 2009 to 31st December 2009 the licensee has currently planned as listed in Table 5.2.

Table 5.2 Proposed Development Works between 1st January 2009 and 31st December 2009.

Item	Works	Licence Condition
1.	Increase incoming tonnage to the facility	N/A

6. Schedule of Environmental Targets and Objectives

6.1. Objectives and Targets for the Preceding Year

Table 6.1 Below are the environmental objectives and targets set for 2008. We achieved, or partially achieved all targets set down for 2008.

Table 6.1 Objectives & Targets for 2008

Objective	Target	Responsibility	Completion
Energy Usage	To develop a compositing system to divert 30-40% of municipal waste from landfill	Facility Manager	On-going (error in target)
Litter Management and abatement	To develop litter management and control system such that no complaints are received from either public or the EPA regarding window blow litter.	Facility Manager	Yes
Open to Public	To establish a public drop off waste facility on the existing site.	Facility Manager	Yes (March 2008)
Site office Automation System	To move to a more paperless system.	Facility Manager	Partial
Train all staff to appropriate level for their position.	Ensure all staff are fully trained in all relevant areas relating to their role, especially in areas relating to environmental management and protections.	Facility Manager	Yes

6.2. Objectives and Targets for the Forthcoming Year

The objectives and targets listed in Table 6.2 have been set for 2009.

Table 6.2 Objectives & Targets for 2009

Objective	Target	Responsibility	Completion
Increase landfill diversion.	Divert 5% more of suitable landfill waste received at the facility to recovery or recycling facility.	Facility Manager	Dec 2009
Increase recycling	Improve the awareness of recycling at the transfer station – More marketing on waste separation at the public section of the site	Facility Manager	Dec 2009
Energy Usage	Reduce the amount of energy used by the transfer station by 8% ie electricity & diesel consumption	Facility Manager	Dec 2009
Site office Automation System	To move to a more paperless system.	Facility Manager	Dec 2009

7. Description of Procedures Developed

Table 7.1 present procedures which were developed in the reporting period.

Table 7.1 Procedures Developed in the Reporting Period

Procedure	Description
EP7001	Transfer Station Management Structure
EP7002	Transfer Station Labourer (Job Description)
EP7003	Transfer Station Plant Operator (Job Description)
EP7004	Transfer Station Weighbridge Operator (Job Description)
EP7005	Transfer Station Facility Manager (Job Description)
EP7006	Transfer Station Deputy Facility Manager (Job Description)
EP7007	Transfer Station Assistant Facility Manager (Job Description)
EP7008	Procedures in the Event of an Incident (Transfer Station)
EP7009	Transfer Station Corrective Action Procedures
EP7010	Awareness & Training Programme
EP7013	Communication Programme
EP7012	Waste Acceptance & Handling Procedures
EP7014	Details of Duty and Standby Capacity
EP7015	Environmental Sampling, Monitoring and Reporting Personnel
HSP4001	Safety Statement
EP7017	Dust Minimisation Plan

8. Tanks, Pipeline, Drum and Bund Inspection

8.1. Tanks

Water tanks onsite were inspected and do not appear to have any leaks. The overflow system is working properly.

8.2. Pipework

There are two pipework systems at the facility; one collecting rainwater from the roof and carrying the water to the water tanks on site and one connecting the silt interceptor to the hydrocarbon interceptor which leads to the SE1 sump and then to the outer surface water drain. The rainwater pipeline is inspected on a weekly basis and was visually inspected before this AER was completed. It was found to be fully intact and working efficiently. The silt interceptor/hydrocarbon interceptor pipeline is located underground under a concrete slab. The pipe was inspected before the AER was completed and is transmitting water as intended. The flow of water in the SE-1 sump, which is pumped into the external surface water drain, was inspected and found to be flowing freely.

8.3. Bunds and Drums

There are no bunds or drums present at the facility as no fuels or hazardous material are stored onsite. No testing or inspections of bunds and drums was therefore required.

9. Report Incident and Complaint Summaries

Condition 11.2 of Waste Licence Register No. 148-1 requires a notification of the Agency in case an incident has, or may have, taken place at the facility. Incidents are described in Condition 1.7 of the License. There were no incidences or complaints received at the transfer station.

10. Review of Nuisance Controls

The Licensee undertakes a weekly inspection of the facility and its immediate surroundings for nuisance caused by vermin, birds, flies, mud, dust and odours. The Facility Manager carries out these inspections. A written report of each inspection is filed and kept at the facility office.

10.1. Nuisance Caused by Vermin

Vermin control is carried out on the site by L.G Vaghaun & Sons (Rathfarnham, Dublin 16). This monitoring included regular site assessments and the maintenance (examining and replenishing) of bait boxes placed and fixed locations around the site. A minimum of eight site visits is undertaken annually.

10.2. Nuisance Caused by Birds

Two model MP3 Ultra Sonic Pest Scarers were installed in the warehouse building above the floor area to "cover" the entire floor space. The Ultra Sonic Pest Scarers deter pests, in particular birds, from the warehouse. Birds have not been reported as being a nuisance at the transfer station.

10.3. Nuisance Caused by Mud and Dust

Monitoring for dust emissions on the site is carried out three times per year, as detailed in Section 3.2 of this report. Dust emission monitoring at the facility indicates that dust emissions levels are below the emissions limits set out in the Schedule C of Waste License 148-1 and are therefore not considered a nuisance.

10.4. Nuisance Caused by Odours

Due to the nature of waste accepted at the facility, the low residence time of the waste and operational practiced employed at the facility, the potential for odour to become a nuisance in local environmental is considered to be minimal. This is supported by the zero incidents of complaints relating to odour generated from the facility.

11. Financial Provision

The Waste Licence holder annually provides the Environmental Protection Agency with a minimum of €14,760.25 for services they provide in relation to overseeing the Waste License. Fees have been paid to EPA since the commencement of waste acceptance activities at the facility.

Cost estimates have been made regarding the potential environmental liability of operation and decommissioning. To cover any environmental pollution events and pursuant to Condition 12.2.2 of Waste License 148-1, the Licensee has taken out an Environmental Site Liability Insurance Policy with Chubb Insurance Company of Europe.

To cover the costs of closure and decommissioning, which has been estimated at €70,000, the Licensee proposes to use operating capital and/or overdraft facilities available to the Licensee.

12. Management and Staffing Structure

The Facility Manager at the site is Donagh Killilea. There are also two Deputy's Facility Managers James Browne and Katarzyna (Kate) Rybczynska and Weighbridge Operator Nigel Diskin. Carol Uzdzilo is the assistant facility manager.

13. Programme for Public Information

A facility notice board has been erected which indicates contact details for the licensee and where the public may get environmental information. The management of the company would be pleased to meet with or contact members of the public to address any legitimate issues that are raised in writing.

Environmental Protection Agency

AER Returns Worksheet

Version 1.1.03

REFERENCE YEAR	2008

1. FACILITY IDENTIFICATION

Parent Company Name	City Bin Company Limited
Facility Name	City Bin Co Ltd
PRTR Identification Number	W0148
Licence Number	W0148-01

Waste or IPPC Classes of Activity

No.	class_name
3.11	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
3.13	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.
4.2	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).
4.3	Recycling or reclamation of metals and metal compounds.
4.4	Recycling or reclamation of other inorganic materials.
4.13	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.

Address 1	Townlands of Carrowmoneash
Address 2	Oranmore

Address 3	County Galway
Address 4	
Country	Ireland
Coordinates of Location	364430.000
River Basin District	IE-Western
NACE Code	382
Main Economic Activity	Waste treatment and disposal
AER Returns Contact Name	Niall Killilea
AER Returns Contact Email Address	info@citybin.com
AER Returns Contact Position	Managing Director
AER Returns Contact Telephone Number	091787800
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	091787879
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	23000
Number of Employees	60
User Feedback/Comments	
Web Address	www.citybin.com

2. PRTR CLASS ACTIVITIES

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

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

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

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

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

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: City Bin Co Ltd

Please enter summary data on the quantities of methane flared and / or utilised			Method Used			
	T (Total) kg/Year	**M/C/E**	**Method Code**	**Designation or Description**	**Facility Total Capacity m3 per hour**	
Total estimated methane generation (as pe 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 Sectio A above)	0.0				N/A	

4.2 RELEASES TO WATERS

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

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

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

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

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

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

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

* 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		
			Method Used				
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					0.0	0.0	0.0

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

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

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

* 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 06	No	3181.51	Mixed Packaging	R5	M	Weighed	Onsite in Ireland	Wers Waste Ltd/ Licence WR/84/ Broker	Tuam Business Park, Weir Road, Tuam Co Galway		
Within the Country	17 01 07	No	397.62	Mixed of concrete, bricks, tiles and ceramics	R5	M	Weighed	Onsite in Ireland	Thomas Lally / WP/39	Cappagh Road, Barna, Galway		
Within the Country	17 09 04	No	3540.24	Mixed Construction and Demolition	R5	M	Weighed	Onsite in Ireland	Neiphin Trading Limited / 42-1	Kerdiffstown, Naas, Co. Kildare		
Within the Country	17 09 04	No	30.76	Mixed Construction and Demolition	R5	M	Weighed	Onsite in Ireland	Wers Waste Ltd/ Licence WR/84/ Broker	Tuam Business Park, Weir Road, Tuam Co Galway		
Within the Country	20 01 08	No	634.96	Organic Compost Kitchen Waste	R3	M	Weighed	Onsite in Ireland	Neiphin Trading Limited / 42-1	Kerdiffstown, Naas, Co. Kildare		
Within the Country	20 01 08	No	48.66	Organic Compost Kitchen Waste	R3	M	Weighed	Onsite in Ireland	Galway City Council /Licence 13-1	Carrabrowne Landfill, Headfort Road, Galway		
Within the Country	20 01 99	No	10316.28	Other Fraction not otherwise specified	R5	M	Weighed	Onsite in Ireland	Neiphin Trading Limited / 42-1	Kerdiffstown, Naas, Co. Kildare		
Within the Country	20 03 01	No	17056.31	Mixed Municipal Waste	D1	M	Weighed	Onsite in Ireland	Ballydonaght Landfill Athlone/ W0028/2	Co Westmeaths		

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