Full Annual Environmental Report
Period 1st January 2009 to 31st December 2009
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

APPROVED BY:
McCarthy Keville O'Sullivan Ltd

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2 copies – The City Bin Co.
4 copies – Environmental Protection Agency
1 copy – McCarthy Keville O'Sullivan Ltd

Contents

1. Introduction

1.1. Reporting Period

This Annual Environmental Report (AER) is the sixth 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 2009 until 31st December 2009. The AER is in follow up to the previous report, which was for the report period 1st January 2008 to 31st December 2008.

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 2009 to 31st December 2009.

Table 2.3 Waste Received at the Facility from 1st January 2009 to 31st December 2009

Waste Type	EWC Code	Quantity (tonnes)
Mixed Packaging	150106	3,059.12
Mixed of concrete, bricks, Tiles and Ceramics	170107	490.61
Mixed Construction and Demolition Waste	170904	2,147.95
Organic Compost Kitchen Waste	200108	1,116.70
Other Fractions Not Otherwise Specified	200199	0.00
Mixed Municipal Waste	200301	26,278.17
Total		**33,092.55**

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 2009 to 31st December 2009.

Table 2.4 Waste Sent Offsite for Disposal from 1st January 2009 to 31st December 2009

Waste Type	EWC Code	Quantity (tonnes)
Mixed Municipal Waste	200301	25,141.34
Total		**25,141.34**

Table 2.5 Waste Sent Offsite for Recovery from 1st January 2009 to 31st December 2009

Waste Type	EWC Code	Quantity (tonnes)
Mixed Packaging	150106	3,007.78
Mixed of concrete, bricks, Tiles and Ceramics	170107	497.95
Mixed Construction and Demolition Waste	170904	3,351.66
Organic Compost Kitchen Waste	200108	903.26
Other Fractions Not Otherwise Specified	200199	0
Total		**7,760.65**

Total waste send offsite during 2009 therefore amounts to 32,901.99 tonnes, which is 190.56 tonnes less than the value for incoming waste. This difference in the waste is attributed to difficulties to transfer waste to landfills and recycling facilities caused by the very bad weather at the end of the year. However, all outstanding waste will be removed in following month January 2010.

2.4. Waste Previous year Received

Table 2.6 lists the incoming wastes that were received at the facility during the period 1st January 2008 to 31st December 2008.

Table 2.6 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**

2.5. Waste Previous Years Sent Offsite for Recovery or Disposal

Tables 2.7 and 2.8 list the quantities of outgoing waste from the waste transfer station during the reporting period 1st January 2008 to 31st December 2008.

Table 2.7 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 2.9 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**

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

A summary of the Dust deposition rates for The City Bin Co Transfer Station during reporting period are presented in table 3.2

Table 3.2 Dust Deposition Rates

Sampling Point	Dust Deposition Rate (mg/m^2/day)		
	Q2 2009	Q3 2009	Q4 2009
D2	167	22.813	172
D3	56	82	79
D4	86	127	63

3.2.1 Summary of Results

Currently in Ireland there are no statutory limits for total dust deposition. The EPA however, recommends a maximum level of 350 mg/m^2/day of dust deposition when measured according to TA Luft standard, which includes both soluble and insoluble matter (i.e. EPA compliance monitoring is based on the TA Luft Method). This limit value is stated in the Waste Licence for the facility, No. 148-1. The values presented in Table 3.2 show that total depositional dust levels measured at monitoring locations D2 (except third quarter), D3 and D4 during the last year 2009 were significantly below the 350 mg/m^2/day limit value. Average depositional dust in D2 was found to be at 22,813 mg/m^2/day at the third quarterly. Although this figure is significantly over the recommended level, the high content was not due to dust, but due to algae growth in the jar during the monitoring period.

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 show noise monitoring results from second and third quarterly monitoring which took place on the 9th April 2009 and 3rd September 2009 during the daytime and night time monitoring respectively.

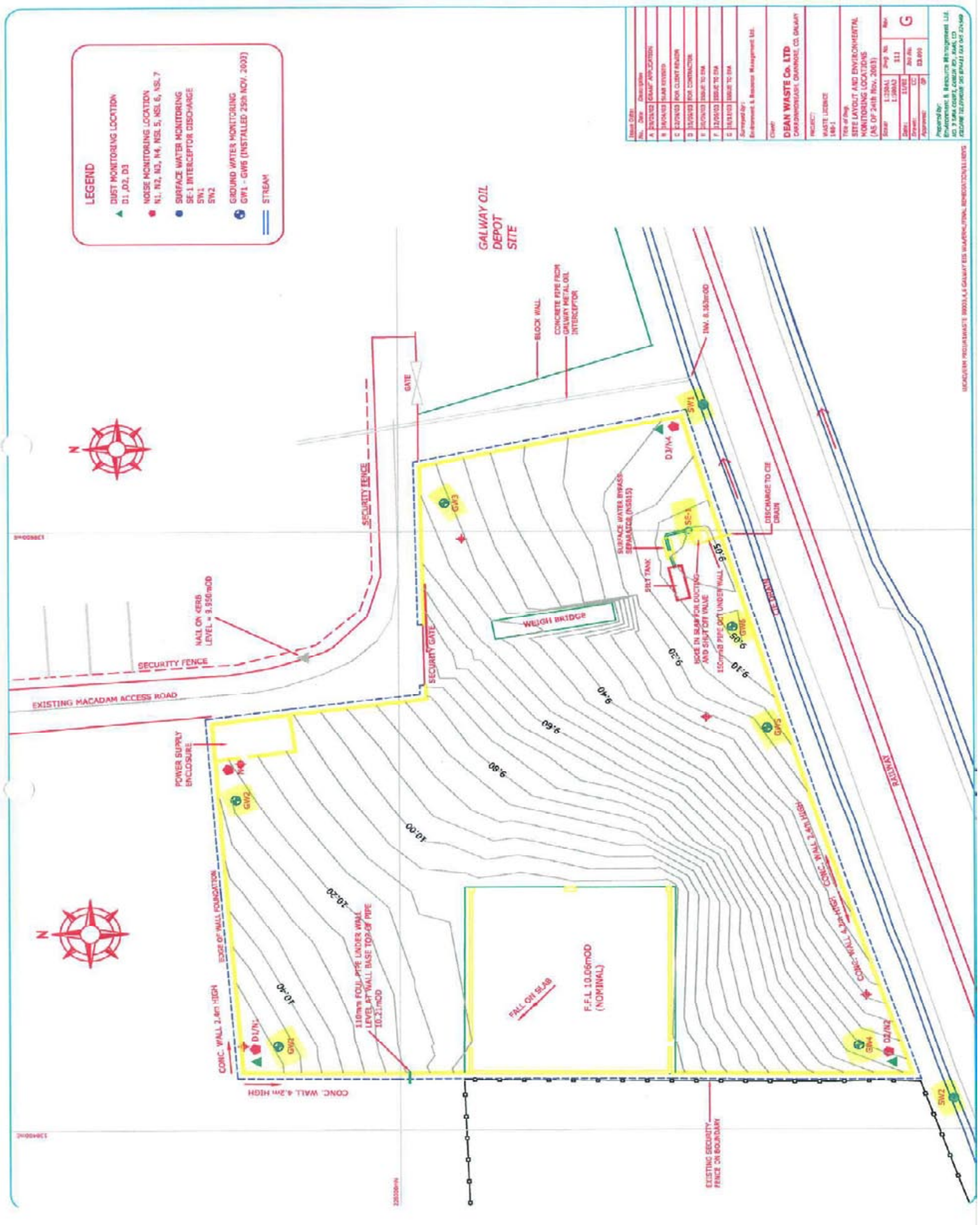
The night time noise emission limit (LAeq 45dB) was exceeded at all noise sensitive locations during the night monitoring periods for monitoring in April and September noise sensitive location LAeq values ranged between LAeq 50.8dB and LAeq 58.4dB. The day time noise license threshold limit (LAeq 55dB) was exceeded in April's monitoring at NSL 7 (LAeq 56.7dB) and at NSL5 (LAeq 56.4dB) in September's monitoring.

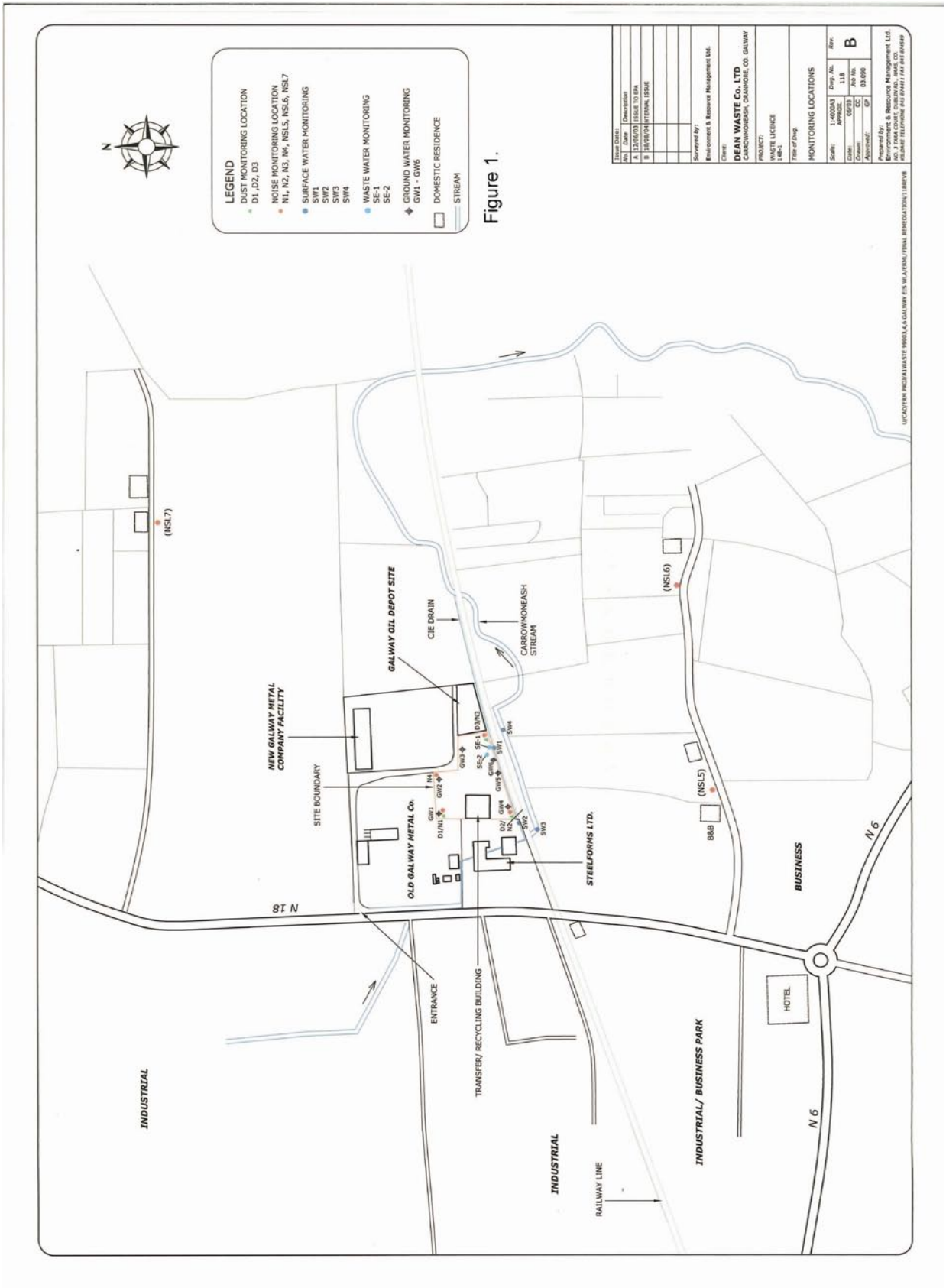
Although the EPA night time and daytime noise limits were exceeded during environmental noise monitoring within the waste transfer facility and surrounding area, such exceedances are not attributable to activities ongoing within the transfer station. High volumes of traffic on the N6 and N18 National Primary Routes, the operation of other industrial facilities in the area and passing trains on the Galway – Dublin railway line are great sources of noise in the area and as with previous reports, have shown to be responsible for exceedances over noise thresholds.

It can therefore be concluded that the contribution of waste transfer activities at The City Bin Co. Ltd. to environmental noise levels in the area is not of particular significance. In compliance with condition 6.6 of EPA license, activities on-site do not give rise to noise levels off-site, at noise sensitive locations, which exceed the sound pressure limits outlined in Table C1. No complaints in relation to noise levels from the waste transfer station were reported during 2009.

Table 3.3 Noise Monitoring Results from 1st January 2009 to 31st December 2009

Monitoring Location		N1	N2	N3	N4	NSL5	NSL6	NSL7
Quarter 2 2009-Daytime								
Noise Level	LAeq-15min dB(A)	50.75	47.16	50.19	55.7	55.1	51.1	50.8
	LA90-15min dB(A)	39.92	40.92	47.16	47.4	52.1	48.8	49.1
	LA10-15min dB(A)	52.61	47.12	52.14	57.0	57.3	52.7	52.0
Wind speed	Average	1.6	1.6	0.9	1.0	0.9	0.8	1.9
	Maximum	3.6	3.6	2.5	2.4	1.4	1.2	3.5
Quarter 2 2009- Night time								
Noise Level	LAeq-15min dB(A)	57.23	57.4	59.5	67.2	53.8	48.0	56.7
	LA90-15min dB(A)	52.15	52.8	57.2	66.2	51.1	43.8	49.0
	LA10-15min dB(A)	59.68	59.6	61.1	67.4	55.0	48.8	54.9
Wind speed	Average	1.6	0.6	0.9	0.0	0.1	0.2	2.1
	Maximum	2.7	1.6	1.7	0.4	0.4	0.4	3.1
Quarter 3 2009-Daytime								
Noise Level	LAeq-15min dB(A)	44.8	44.1	55.5	60.7	56.4	58.4	51.2
	LA90-15min dB(A)	40.4	40.6	49.1	50.0	53.6	50.3	48.8
	LA10-15min dB(A)	47.8	46.4	57.3	64.3	58.1	54.1	53.0
Wind speed	Average	1.0	0.8	1.6	1.1	0.9	1.3	0.4
	Maximum	1.8	2.0	2.4	2.0	2.0	2.3	0.9
Quarter 3 2009- Night time								
Noise Level	LAeq-15min dB(A)	54.4	52.6	60.7	60.8	56.4	50.1	49.9
	LA90-15min dB(A)	48.2	49.6	56.7	54.5	54.3	47.8	47.0
	LA10-15min dB(A)	55.3	54.3	63.7	63.4	58.0	57.2	51.5
Wind speed	Average	0.8	0.7	0.9	1.9	2.0	0.7	1.9
	Maximum	1.1	1.2	1.4	3.9	4.8	1.0	3.5


LEGEND
DUST MONITORING LOCATION D1 ,D2, D3
NOISE MONITORING LOCATION N1, N2, N3, N4, NSL 5, NSL 6, NSL 7
SURFACE WATER MONITORING SE-1 INTERCEPTOR DISCHARGE SW1 SW2
GROUND WATER MONITORING GW1 - GW5 (INSTALLED 25th NOV. 2003)
STREAM
GALWAY OIL DEPOT SITE
BLOCK WALL
CONCRETE PIPE FROM GALWAY METAL OIL INTERCEPTOR
GATE
SECURITY FENCE
SECURITY GATE
EXISTING MACADAM ACCESS ROAD
WEIGH BRIDGE
SILT TANK
SURFACE WATER BYPASS SEPARATOR
DISCHARGE TO CIE DRAIN
POWER SUPPLY ENCLOSURE
F.F.L 10.06mOD (NOMINAL)
FALL ON SLAB
CONC. WALL 2.4m HIGH
CONC. WALL 4.2m HIGH
EDGE OF WALL FOUNDATION
EXISTING SECURITY FENCE ON BOUNDARY
RAILWAY
DEAN WASTE Co. LTD
SITE LAYOUT AND ENVIRONMENTAL MONITORING LOCATIONS
G


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
N
Figure 1.
(NSL7)
(NSL6)
(NSL5)
NEW GALWAY METAL COMPANY FACILITY
GALWAY OIL DEPOT SITE
CIE DRAIN
CARROWMONEASH STREAM
SITE BOUNDARY
OLD GALWAY METAL Co.
STEELFORMS LTD.
B&B
BUSINESS
N 18
N 6
ENTRANCE
TRANSFER/ RECYCLING BUILDING
INDUSTRIAL
INDUSTRIAL/ BUSINESS PARK
HOTEL
RAILWAY LINE
DEAN WASTE Co. LTD
CARROWMONEASH, ORANMORE, CO. GALWAY
WASTE LICENCE 148-1
MONITORING LOCATIONS

3.4. Surface Water Monitoring

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

3.4.1 Summary of Results

The results of water monitoring at the facility indicated that results generally range within typical surface water quality concentrations for industrial areas. The value recorded for total suspended solid at SE-1 was found to be elevated during the third quarter 2009. Laboratory analysis results from sampling taken during September 2009 show that the concentration of suspended solid exceeded the trigger limit of 60mg/l by 38mg/l. That elevated results was the result of pollution incident, which waste cause by thin crusts of algae / inorganic material from side of the SE1 sump. This incident was reported in the incident report date 3rd September 2009.

Table 3.4 Surface Water Monitoring Results: Low - High Range 1st January 2009 to 31st December 2009.

Parameter	Units	Monitoring Location			Waste Licence Trigger Limits for SE1
		SW1	SW2	SE1	
BOD	mg/l	1-12	1-3	1-13	25
Total Suspended Solids	mg/l	5-23	2-10	2-98	60
Oils Fats and Greases	mg/l	<1.00	<1.00	<1.00	-
pH	-	7-7.88	7-7.47	7.1-7.8	-
Mineral Oil by GC	mg/l	<1.00	<1.00	<1.00	5
Ammoniacal Nitrogen (N)	mg/l	0.261-1.69	0.041-0.2	0.133-0.335	-
TPH	mg/l	<1.00	<1.00	<1.00	-

3.5. Groundwater Monitoring

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 fourth quarters of 2009 at the waste transfer station. The ranges of results recorded during sampling are presented in Table 3.5.

3.5.1 Summary of Results

Results show elevations in DRO (Diesel Range Organics), Mineral oil, Petrol Range Organics (PRO) C5-C12 in GW2, GW3 and GW6. These results show similar trends to those submitted in previous reports. Further to an EPA request, a report detailing this trend of elevations in PRO, DRO and Mineral oil in groundwater quality was sent to the EPA in September 2008. Conclusions showed that elevations above IGV values for groundwater have occurred in groundwater monitoring locations at the waste facility since Q3 2006 in particular at GW2, GW3 and GW6. Further to continuous monitoring conducted by McCarthy Keville O'Sullivan Ltd, these elevations were not as a result of activities taking place within the transfer station grounds but from activities which occur external to the site.

Table 3.5 Groundwater Monitoring Results: Low - High Range 1st January 2009 to 31st December 2009.

Parameter	Units	GW1	GW2	GW3	GW4	GW5	GW6
Diesel Range Organics (DRO)	mg/l	<10-513	201-389	1370-1503	<10-154	<10-757	82.1-4069
Mineral Oil by GC	mg/l	<10	<10-55.9	1127-1380	<10	<10-129	<10-3255
Petrol Range Organics (PRO) C5-C9	mg/l	<10-42	<10-724	<42-1084	<10-42	<10-42	<10-42
Petrol Range Organics (PRO) C10-12	mg/l	<10	<10-656	<10-201	<10	<10	<10
Benzene	µg/l	<7-<10	<10	<10	<10	<10	<10
Toluene	µg/l	<10	<4-<10	<4-<10	<4-<10	<4-<10	<4-<10
Ethylbenzene	µg/l	<5-<10	<5-<10	<5-<10	<5-<10	<5-<10	<5-<10
Total Xylene	µg/l	<3-<10	<3-<10	<3-<10	<3-<10	<3-<10	<3-<10
Conductivity (at 25 C)	mS/cm	0.514-0.547	0.438-0.462	0.529-0.573	0.336-0.344	0.5.38-1.034	0.014-0.434

3.6. 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 and by Wers Waste Ltd. Comhlacht Lompar Clochmor Teo collected 1000 liters of liquid (EWC 13 05 07) on 11th September 2009 and Wers Waste Ltd collected 1000 liters of liquid (EWC 13 05 07) on 13th of November 2009.

4. Resource and Energy Consumption

Table 4.1 present the resource and energy consumption at the facility during the reporting period 1st January 2009 to 31st December 2009.

Table 4.1. Energy and Resource Consumption.

Resource/ Energy Use	Quantity	Unit
Water	**-**	**Liter**
Electricity	**61,685.97**	**Unit**
Diesel	**10,314.9**	**Liter**

5. Report on Development Work

5.1. Works for the Preceding year

During the reporting period 1st January 2009 to 31st December 2009 the licensee has completed the development works as listed in Table 5.1

Table 5.1 Development Works between 1st January 2009 and 31st December 2009

Item	Works	Licence Condition
1.	Implement automatic weighbridge system.	Partial

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 2010 and 31st December 2010.

Item	Works	Licence Condition
1.	Implement recycling campaign for domestic customer	N/A
2.	Reduce energy usage	N/A
3.	Implement automatic weighbridge system.	N/A

6. Schedule of Environmental Targets and Objectives

6.1. Objectives and Targets for the Preceding Year

Table 6.1 below is the environmental objectives and targets set for 2009.

Table 6.1 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	Partial

6.2. Objectives and Targets for the Forthcoming Year

The objectives and targets listed in Table 6.2 have been set for 2010.

Table 6.2 Objectives & Targets for 2010

Objective	Target	Responsibility	Completion
Increase landfill diversion.	Divert 5% of suitable landfill waste received at the facility to recovery or recycling facilities.	Facility Manager	Dec 2010
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 2010
Energy Usage	Reduce the amount of energy used by the transfer station by 5% ie electricity & diesel consumption	Facility Manager	Dec 2010
Site office Automation System	To move to a more paperless system.	Facility Manager	Dec 2010
To facilitate all weather access to our public recycling area	Enclose under cover public amenity area in Transfer Station	Facility Manager	Dec 2010
Increase range of recycling facilities for the General Public	Install a WEEE reception area / cages	Facility Manager	Dec 2010

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
EP7011	Traffic Management Plan
EP7018	Emergency Response Procedure for Transfer Station
EP7019	Spillage Procedure

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 was only one incidence, which gave reason for an incident report to be submitted during the reporting period.

The incident was in relation to exeedance of the waste trigger limits for total suspended solids on the 3rd September 2009 in the SE1 sampling location in thecae surface water drain. Suspended solid reading have since return to normal levels.

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 €15,250.00 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, 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.

| PRTR# : W0148 | Facility Name : City Bin Co Ltd | Filename : W0148_2009(1).xls | Return Year : 2009 | 31/03/2010 12:40

Environmental Protection Agency

AER Returns Worksheet

Version 1.1.10

REFERENCE YEAR	2009

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.
4.13	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.
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.

Address 1	Townlands of Carrowmoneash
Address 2	Oranmore
Address 3	County Galway
Address 4	
Country	Ireland
Coordinates of Location	-8.92349 53.2808
River Basin District	IEWE
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
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
5(c)	Installations for the disposal of non-hazardous waste
5(c) 50.1	Installations for the disposal of non-hazardous waste General

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

4.1 RELEASES TO AIR

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

RELEASES TO AIR								
POLLUTANT		METHOD				QUANTITY		
			Method Used					
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					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	T (Total) kg/Year	M/C/E	Method Used: Method Code	Method Used: Designation or Description	Facility Total Capacity m3 per hour	
Total estimated methane generation (as 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

| PRTR# : W0148 | Facility Name : City Bin Co Ltd | Filename : W0148_2009(1).xls | Return Year : 2 30/03/2010 14:06

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 | PRTR# : W0148 | Facility Name : City Bin Co Ltd | Filename : W0148_2009(1).xls | Return Year : 2009 | 30/03/2010 14:06

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	15 01 06	No	3007.78	Mixed Packaging	R5	M	Weighed	Onsite in Ireland	Wers Waste Ltd, Licence WR/84/	Tuam Business Park ,Weir Road ,Tuam ,Co Galway,Ireland		
Within the Country	17 01 07	No	290.79	Mixed of concrete, bricks, tiles and ceramics	R5	M	Weighed	Onsite in Ireland	Michael Mannion,WR 150	C/O Arthur Warde,Planning Surveying and Desigh Service,Tuam,Co. Galway ,Ireland		
Within the Country	17 01 07	No	207.16	Mixed of concrete, bricks, tiles and ceramics	R5	M	Weighed	Onsite in Ireland	Cashla Quarries Ltd,WR/162	Cashla ,Athenry ,Co. Galway, Galway,Ireland		
Within the Country	17 09 04	No	3351.66	Mixed Construction and Demolition	R5	M	Weighed	Onsite in Ireland	Neiphin Trading Limited , 42-1	Kerdiffstown,Naas ,Co. ,Kildare,Ireland		
Within the Country	20 01 08	No	267.58	Organic Compost Kitchen Waste	R3	M	Weighed	Onsite in Ireland	Neiphin Trading Limited , 42-1	Kerdiffstown,Naas ,Co. ,Kildare,Ireland		
Within the Country	20 01 08	No	524.48	Organic Compost Kitchen Waste	R3	M	Weighed	Onsite in Ireland	Premier Proteins (2000) Ltd,P0045-05	Premier Proteins (2000) Ltd.,Ballinasloe ,Co. ,Galway ,Ireland		
Within the Country	20 01 08	No	111.2	Organic Compost Kitchen Waste	R3	M	Weighed	Onsite in Ireland	Galway City Council,Licence 13-1	Carrabrowne Landfill ,Headfort Road ,Co,Galway,Ireland		
Within the Country	20 03 01	No	1768.36	Mixed Municipal Waste	D1	M	Weighed	Onsite in Ireland	Bord na Móna Environmental Ltd,W0201-02	Drehid Facility,Main Street ,Newbridge ,Co. Kildare,Ireland		
Within the Country	20 03 01	No	18941.46	Mixed Municipal Waste	D1	M	Weighed	Onsite in Ireland	Ballydonaght Landfill ,W0028/2	Ballydonaght Landfill ,Athlone,Co ,Westmeaths,Ireland		
Within the Country	**20 03 01**	**No**	4431.52	Mixed Municipal Waste	D1	M	Weighed	Onsite in Ireland	Derryclure Landfill,W0029/2	Derryclure Landfill,Portlaoise Road ,Tullamore , Co. Offaly,Ireland		

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