

A nighttime photograph of a city street. The scene is dominated by vibrant light trails in shades of red, orange, and cyan, which appear to be from a moving light source or a long-exposure shot. In the background, a large, multi-story brick building with a prominent green dome is visible. The building's windows are lit up, and some signs are visible on the ground floor. Streetlights and a statue on the left side of the frame add to the urban atmosphere. The overall mood is dynamic and modern.

Annual Environmental Report

March 2018

the city bin c^o





Annual Environmental Report

Period 1st January 2017 to 31st December 2017
The City Bin Co., Carrowmoneash
Oranmore, Co. 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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1. Introduction

1.1. Reporting Period

This Annual Environmental Report (AER) is the seventh 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 2016 until 31st December 2016. The AER is in follow up to the previous report, which was for the report period 1st January 2015 to 31st December 2015.

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. Previous Waste Management Activities

Waste management activities carried out at the facility before the Agency requested review the new First Schedule of the EPA Acts 1992 to 2013 are outlined in Tables 2.1.1 and 2.1.2.

Table 2.1.1. 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. <i>This activity is limited to bulking and transfer of waste.</i>
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. <i>This activity is limited to the storage of waste prior to bulking and transfer of waste.</i>

Table 2.1.2. 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): <i>This activity is limited to recovery of paper, wood, plastic and organic waste.</i>
Class 3	Recycling or reclamation of metals and metal compounds. <i>This activity is limited to recovery of glass and construction and demolition waste.</i>
Class 4	Recycling or reclamation of other inorganic materials. <i>This activity is limited to recovery of glass and construction and demolition waste.</i>
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. <i>This activity is limited to the storage of water prior to recovery.</i>

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 2.2.1. lists the incoming wastes that were received at the facility during the period 1st January 2017 to 31st December 2017.

Table 2.2.1. Waste Received at the Facility from 1st January 2017 to 31st December 2017

Waste Type	Annual limits	Quantity (tonnes)
Household waste	20,000	8,108.05
Commercial waste	20,000	13,128.11
Construction and Demolition waste	80,000	3,164.56
Industrial Non-hazardous wastes	10,000	0
Total	130,000	24,400.72

2.3. Waste Sent Offsite for Recovery or Disposal

Tables 2.3.1 and 2.3.2. list the quantities of outgoing waste from the waste transfer station during the reporting period 1st January 2017 to 31st December 2017.

Table 2.3.1. Waste Sent Offsite for Disposal from 1st January 2017 to 31st December 2017

Waste Type	Quantity (tonnes)
Household Waste	5,925.01
Commercial Waste	10,761.80
Total	16,686.81

Table 2.3.2. Waste Sent Offsite for Recovery from 1st January 2017 to 31st December 2017

Waste Type	Quantity (tonnes)
Household Waste	2,164.30
Commercial Waste	2,080.54
Construction and Demolition waste	2,875.63
Industrial Non-hazardous wastes	0
Total	7,120.47

Total waste sent offsite during 2017 therefore amounts to 23,807.28 tonnes, which is 593.44 tonnes less than the value for incoming waste. The difference arose from difficulties in transporting Landfill waste during the Christmas time. All the outstanding waste was removed during January 2018.

2.4. Waste Previous year Received

Table 2.4.1. lists the incoming wastes that were received at the facility during the period 1st January 2016 to 31st December 2016.

Table 2.4.1. Waste Received at the Facility from 1st January 2016 to 31st December 2016

Waste Type	Annual limits	Quantity (tonnes)
Household waste	20,000	7,421.03
Commercial waste	20,000	12,452.52
Construction and Demolition waste	80,000	2,699.62
Industrial Non-hazardous wastes	10,000	0
Total	130,000	22,573.17

2.5. Waste Sent Offsite for Recovery or Disposal

Tables 2.5.1 and 2.3.2. list the quantities of outgoing waste from the waste transfer station during the reporting period 1st January 2016 to 31st December 2016.

Table 2.5.1. Waste Sent Offsite for Disposal from 1st January 2016 to 31st December 2016

Waste Type	Quantity (tonnes)
Household Waste	5,153.35
Commercial Waste	9,640.90
Total	14,794.25

Table 2.5.2. Waste Sent Offsite for Recovery from 1st January 2016 to 31st December 2016

Waste Type	Quantity (tonnes)
Household Waste	2,125.75
Commercial Waste	2,110.55
Construction and Demolition waste	2,566.38
Industrial Non-hazardous wastes	0
Total	6,805.40

Total waste sent offsite during 2016 therefore amounts to 21,599.65 tonnes, which is 973.51 tonnes less than the value for incoming waste. The difference arose from difficulties in transporting Landfill waste during the Christmas time. All the outstanding waste was removed during January 2017.

3. Summary Report on Emissions

3.1. Monitoring Schedule

Table 3.1.1 presents the monitoring and reporting requirements in compliance with Waste License 148-1 Schedule D: Monitoring.

Table 3.1.1. Monitoring Requirements, Schedule D of Waste Licence 148-1

Media	Parameter	Monitoring Frequency	Reporting Frequency
Integrity Test ¹	Levels	Once every three years	Annually
Surface Water ^{5, 6, 7}	Quality	Quarterly	Quarterly
Groundwater ^{2, 3, 5, 6, 7}	Quantity/ Quality	Bi-annul	Quarterly
Noise ⁴	Levels	Once every two years	Every two years
Dust	Quantity	Three times per year	Three times per year
Air	Total Particulates	Annually	Annually

¹ Integrity Test according with Condition 3.12.4 all inlets, outlets, vent pipes, valves and gauges must be within the bunded area. This confirmation shall be repeated at least once every three years thereafter and reported to the Agency on each occasion. Next integrity test will be in August 2017.

² 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 Further to correspondence from 20th December 2010 (W0148-01 (11) AP24JG.docx) the monitoring frequency has been changed from bi –annually to annual monitoring.

⁴ Further to letter sent by EPA on 29th November 2010 (W0148-01 (10) AP22JG.docx), the frequency of noise monitoring has been changed to once every two years. Last noise monitoring was done in 2014 so next will be in 2016.

⁵ Further to letter received from EPA on 08th March 2013 from Agency, the ground water monitoring frequency has been changed from once a year to quarterly for another 12 month and number of parameters has been increased. Also surface water number of parameters has been increased as well for 12 month starting from Q2 2013 till Q1 2014.

⁶ Further to letter sent by EPA on 17th of April 2014 (ALDER LR008939), the frequency in relation to surface and groundwater. Only the groundwater frequency has been changed from quarterly to bi-annual.

⁷ Further to letter sent by EPA on 03rd of June 2014 (ALDER LR009607 and ALDER LR009606), the numbers of parameters for groundwater monitoring and Surface monitoring test to the list before Q1 2013.

McCarthy Keville O’Sullivan Environmental Consultants are employed by The City Bin Co for overall management of the license monitoring program. McCarthy Keville O’Sullivan conduct all monitoring and are responsible for submitting the quarterly environmental report on The City Bin Co behalf.

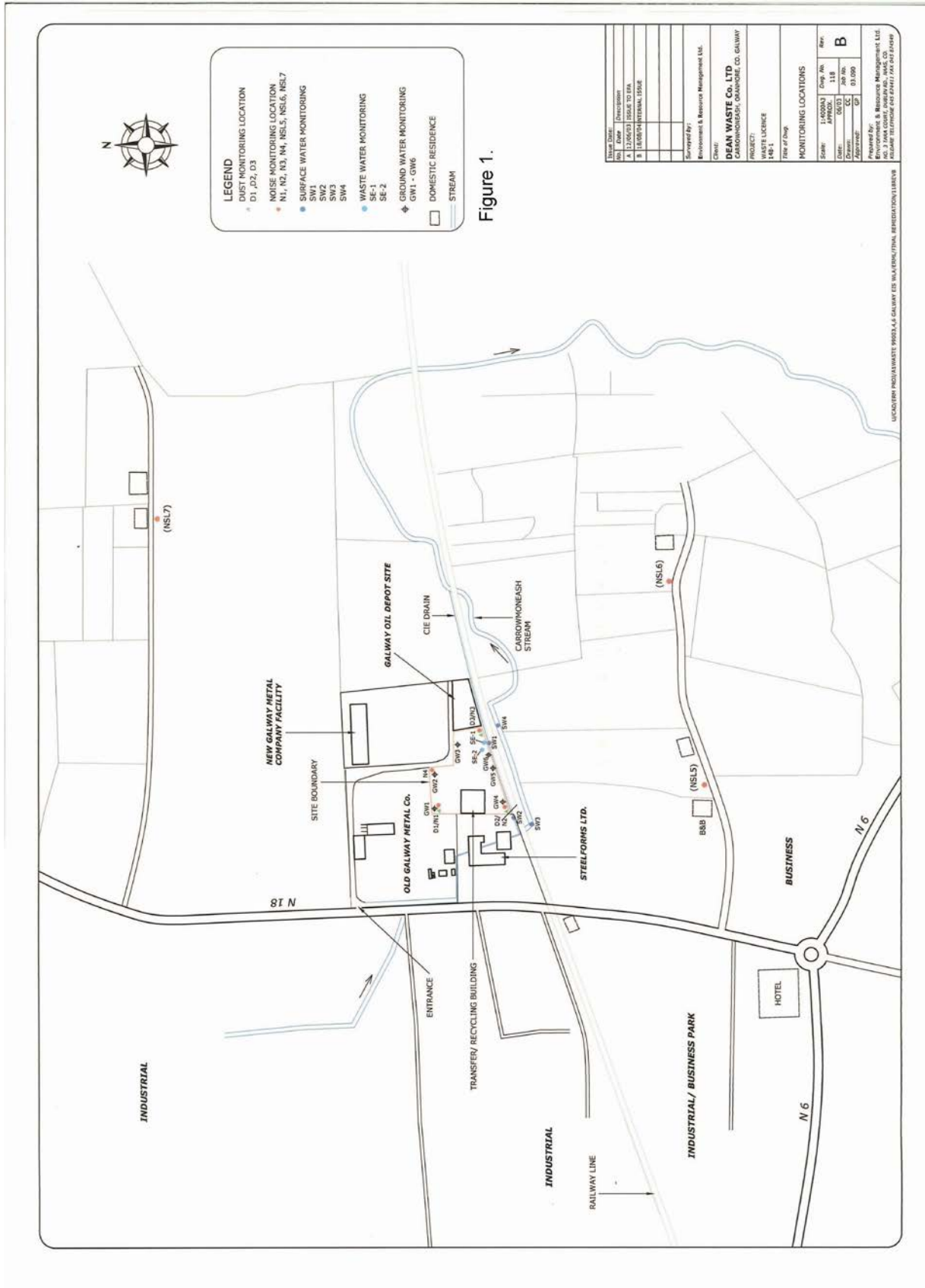



Figure 1.

4. AER Report

Facility Information Summary	
AER Reporting Year	2017
Licence Register Number	W0148-01
Name of site	The City Bin Co
Site Location	Townlands of Carrowmoneash, Oranmore Co Galway
NACE Code	E3821
Class/Classes of Activity	Disposal Activities classes 11, 13 and recovery activities classes
National Grid Reference (6E, 6 N)	(53°16'51.4"N 8°55'23.6"W) (53.280954,-8.923222)
A description of the activities/processes at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance which was measured during the reporting year and an overview of compliance with your licence listing all exceedances of licence limits (where applicable) and what they relate to e.g. air, water, noise.	The City Bin Co. collects waste material from commercial, industrial and residential customers. We did not carry out any processing on the material (apart from separation with the loading equipment). We increased material volumes versus the previous year due to incoming third party material. The City Bin Co have upgraded the security systems on site for security reasons. The Weighbridge software has also been upgraded.

Declaration:

All the data and information presented in this report has been checked and certified as being accurate. The quality of the information is assured to meet licence requirements.

	30/03/2018
_____ Donagh Killilea Facility manager <small>(or nominated, suitably qualified and experienced deputy)</small>	_____ Date

AIR-summary template	Lic No: W0148-01	Year: 2017
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Answer all questions and complete all tables where relevant

- 1 Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current reporting year and answer further questions. If **you do not have** licenced emissions and **do not complete a solvent management plan** (table A4 and A5) you do not need to complete the tables

Additional information	
Yes	

Periodic/Non-Continuous Monitoring

- 2 Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below
- 3 Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? [Basic air monitoring checklist](#) [AGN2](#)

Yes	Greenway Property Ltd has installed a saw dust extractor on site, the inciden was reported to EPA.
Yes	

Table A1: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision thereof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments -reason for change in % mass load from previous year if applicable
AE-1	Particulate matter (PM10)	once a year	µg/m3	Daily average < ELV	20	µg/Nm3	yes	SELECT	No/A	For the Method of Analysis, none of the listed options in the drop down box correspond to The National Air Quality Standards Regulations 2002 (S.I. No. 271 of 2002)
D1	Total Particulates	3 times per year	350mg/m2/day	Daily average < ELV	150-722	mg/m2/day	yes	SELECT	0.04964	For the Method of Analysis, none of the listed options in the drop down box correspond to the Bergerhoff Method that the labs used for measuring the settled dust
D2	Total Particulates	3 times per year	350mg/m2/day	Daily average < ELV	45-263	mg/m2/day	yes	SELECT	0.05621	For the Method of Analysis, none of the listed options in the drop down box correspond to the Bergerhoff Method that the labs used for measuring the settled dust
D3	Total Particulates	3 times per year	350mg/m2/day	Daily average < ELV	103-327	mg/m2/day	yes	SELECT	0.078475	For the Method of Analysis, none of the listed options in the drop down box correspond to the Bergerhoff Method that the labs used for measuring the settled dust

Note 1: Volumetric flow shall be included as a reportable parameter

AIR-summary template	Lic No:	W0148-01	Year	2017
Continuous Monitoring				

4	Does your site carry out continuous air emissions monitoring? If yes please review your continuous monitoring data and report the required fields below in Table A2 and compare it to its relevant Emission Limit Value (ELV)	No	
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below	No	
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	No	
7	Did your site experience any abatement system bypasses? If yes please detail them in table A3 below	No	

Table A2: Summary of average emissions -continuous monitoring

Emission reference no:	Parameter/ Substance	ELV in licence or any revision therof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission	Annual maximum	Monitoring Equipment downtime (hours)	Number of ELV exceedences in current reporting year	Comments
	SELECT			SELECT	SELECT					
	SELECT			SELECT	SELECT					
	SELECT			SELECT	SELECT					
	SELECT			SELECT	SELECT					
	SELECT			SELECT	SELECT					

note 1: Volumetric flow shall be included as a reportable parameter.

Table A3: Abatement system bypass reporting table [Bypass protocol](#)

Date*	Duration** (hours)	Location	Reason for bypass	Impact magnitude	Corrective action

* this should include all dates that an abatement system bypass occurred

** an accurate record of time bypass beginning and end should be logged on site and maintained for future Agency inspections please refer to bypass protocol link

AIR-summary template		Lic No: W0148-01	Year: 2017	
Solvent use and management on site				
8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5			No	
Table A4: Solvent Management Plan Summary Total VOC Emission limit value		Please refer to linked solvent regulations to complete table 5 and 6 Solvent regulations		
Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)	Total VOC emissions as %of solvent input	
			Total Emission Limit Value (ELV) in licence or any revision thereof	
			SELECT	
			SELECT	
Table A5: Solvent Mass Balance summary				
	(I) Inputs (kg)	(O) Outputs (kg)		
Solvent	(I) Inputs (kg)	Organic solvent emission in waste	Solvents lost in water (kg)	Collected waste solvent (kg)
				Fugitive Organic Solvent (kg)
				Solvent released in other ways e.g.
				Solvents destroyed onsite through
				Total emission of Solvent to air (kg)
				Total

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)

Lic No: W0148-01

Year

2017

Additional information

1 Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If **you do not have** licenced emissions you only need to complete table W1 and or W2 for storm water analysis and visual inspections

2 Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table W2 below summarising only any evidence of contamination noted during visual inspections

Yes	Surface water results for this sampling period were all within 'typical' level with the BOD and Total Suspended Solids within the waste licence trigger limits for SE1. Results indicate that waste transfer station activities were not resulting in any pollution to local stream.
No	

Table W1 Storm water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licensed Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
SE-1	onsite	SELECT	BOD	02/03/2017; 15/06/2017; 13/09/2017; 29/11/2017	25	All values < ELV	<1-5	mg/L	yes	
SE-1	onsite	SELECT	Suspended Solids	02/03/2017; 15/06/2017; 13/09/2017; 29/11/2017	60	All values < ELV	<10-10	mg/L	yes	
SE-1	onsite	SELECT	Fats, Oils and Greases	02/03/2017; 15/06/2017; 13/09/2017; 29/11/2017		N/A	<0.01	mg/L	yes	
SE-1	onsite	SELECT	pH	02/03/2017; 15/06/2017; 13/09/2017; 29/11/2017		N/A	7.32-7.81		yes	
SE-1	onsite	SELECT	Ammonia (as N)	02/03/2017; 15/06/2017; 13/09/2017; 29/11/2017		N/A	0.06-0.29	mg/L	yes	
SE-1	onsite	SELECT	Mineral oils	02/03/2017; 15/06/2017; 13/09/2017; 29/11/2017	5	All values < ELV	<0.01-0.07	mg/L	yes	
SW1	onsite	SELECT	BOD	02/03/2017; 15/06/2017; 13/09/2017; 29/11/2017	25	All values < ELV	1-6	mg/L	yes	
SW1	onsite	SELECT	Suspended Solids	02/03/2017; 15/06/2017; 13/09/2017; 29/11/2017	60	All values < ELV	<10	mg/L	yes	
SW1	onsite	SELECT	Fats, Oils and Greases	02/03/2017; 15/06/2017; 13/09/2017; 29/11/2017		N/A	<0.01	mg/L	yes	
SW1	onsite	SELECT	pH	02/03/2017; 15/06/2017; 13/09/2017; 29/11/2017		N/A	7.25-7.80		yes	
SW1	onsite	SELECT	Ammonia (as N)	02/03/2017; 15/06/2017; 13/09/2017; 29/11/2017		N/A	0.09-1.3	mg/L	yes	
SW1	onsite	SELECT	Mineral oils	02/03/2017; 15/06/2017; 13/09/2017; 29/11/2017	5	All values < ELV	<0.01-0.16	mg/L	yes	
SW2	onsite	SELECT	BOD	02/03/2017; 15/06/2017; 13/09/2017; 29/11/2017	25	All values < ELV	<1-3	mg/L	yes	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0148-01 Year: 2017

SW2	onsite	SELECT	Suspended Solids	02/03/2017; 15/06/2017; 13/09/2017; 29/11/2017	60	All values < ELV	<10-16	mg/L	yes	
SW2	onsite	SELECT	Fats, Oils and Greases	02/03/2017; 15/06/2017; 13/09/2017; 29/11/2017		N/A	<0.01	mg/L	yes	
SW2	onsite	SELECT	pH	02/03/2017; 15/06/2017; 13/09/2017; 29/11/2017		N/A	7.42-7.61		yes	
SW2	onsite	SELECT	Ammonia (as N)	02/03/2017; 15/06/2017; 13/09/2017; 29/11/2017		N/A	0.06-0.11	mg/L	yes	
SW2	onsite	SELECT	Mineral oils	02/03/2017; 15/06/2017; 13/09/2017; 29/11/2017	5	All values < ELV	<0.01-0.06	mg/L	yes	
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	

*trigger values may be agreed by the Agency outside of licence conditions

Table W2 Visual inspections-Please only enter details where contamination was observed.

Location Reference	Date of inspection	Description of contamination	Source of contamination	Corrective action	Comments
			SELECT		
			SELECT		

Licensed Emissions to water and /or wastewater(sewer)-periodic monitoring (non-continuous)

3 Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below

No	Additional information
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Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box

4 [External/Internal Lab Quality checklist](#) [Assessment of results checklist](#)

Yes	
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Table W3: Licensed Emissions to water and /or wastewater (sewer)-periodic monitoring (non-continuous)

Emission reference no:	Emission released to	Parameter/ Substance ^{Note 1}	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereo ^{Note 2}	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	Comments
	SELECT	SELECT	SELECT		SELECT		SELECT		SELECT	SELECT	SELECT	SELECT			

Note 1: Volumetric flow shall be included as a reportable parameter

Note 2: Where Emission Limit Values (ELV) do not apply to your licence please compare results against EQS for Surface water or relevant receptor quality standards

Continuous monitoring
 5 Does your site carry out continuous emissions to water/sewer monitoring? Additional information

If yes please summarise your continuous monitoring data below in Table W4 and compare it to its relevant Emission Limit Value (ELV)

6 Did continuous monitoring equipment experience downtime? If yes please record downtime in table W4 below

7 Do you have a proactive service contract for each piece of continuous monitoring equipment on site?

8 Did abatement system bypass occur during the reporting year? If yes please complete table W5 below

Table W4: Summary of average emissions -continuous monitoring

Emission reference no:	Emission released to	Parameter/ Substance	ELV or trigger values in licence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission for current reporting year (kg)	% change +/- from previous reporting year	Monitoring Equipment downtime (hours)	Number of ELV exceedences in reporting year	Comments
	SELECT	SELECT		SELECT	SELECT	SELECT					
	SELECT	SELECT		SELECT	SELECT	SELECT					

note 1: Volumetric flow shall be included as a reportable parameter.

Table W5: Abatement system bypass reporting table

Date	Duration (hours)	Location	Resultant emissions	Reason for bypass	Corrective action*	Was a report submitted to the EPA?	When was this report submitted?
						SELECT	

*Measures taken or proposed to reduce or limit bypass frequency

Bund testing

dropdown menu click to see options

Additional information

Are you required by your licence to undertake integrity testing on bunds and containment structures ? if yes please fill out table B1 below listing all **new bunds and containment structures** on site, in addition to **all bunds which failed the integrity test** **all bunding structures which failed including mobile bunds must be listed in the table below, please include all bunds outside the licenced testing period** (mobile bunds and chemstore included)

- 1
- 2 Please provide integrity testing frequency period
Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)
- 3 How many bunds are on site?
- 4 How many of these bunds have been tested within the required test schedule?
- 5 How many mobile bunds are on site?
- 6 Are the mobile bunds included in the bund test schedule?
- 7 How many of these mobile bunds have been tested within the required test schedule?
- 8 How many sumps on site are included in the integrity test schedule?
- 9 How many of these sumps are integrity tested within the test schedule?
- 10 **Please list any sump integrity failures in table B1**
- 11 Do all sumps and chambers have high level liquid alarms?
- 12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?
- 13 Is the Fire Water Retention Pond included in your integrity test programme?

Yes	
3 years	
Yes	3 mobile bunds and silt tank
Only one	Silt tank
All if them	
3 mobile	
Yes	They have been tested in 2017
All of them	
Only one	Silt tank
All of them	
No	
No	
N/A	

Table B1: Summary details of bund /containment structure integrity test

Bund/Containment structure ID	Type	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
SP-1	prefabricated		anti-freeze	250 l	220 l	Hydraulic test		05/10/2017	Yes	Pass		SELECT	Oct-20	
	SELECT					SELECT			SELECT	SELECT		SELECT		

* Capacity required should comply with 25% or 110% containment rule as detailed in your licence

Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance? [bundings and storage guidelines](#)

- 15
- 16 Are channels/transfer systems to remote containment systems tested?
- 17 Are channels/transfer systems compliant in both integrity and available volume?

Yes	
No	N/A
No	N/A

Commentary

Pipeline/underground structure testing

Are you required by your licence to undertake integrity testing* on underground structures e.g. pipelines or sumps etc ? if yes please fill out table 2 below listing all underground structures and pipelines on site **which failed the integrity test and all which have not been tested within the integrity test period as specified**

- 1 Please provide integrity testing frequency period
- 2 *please note integrity testing means water tightness testing of all underground pipelines (as required under your licence)

Yes	
3 years	Next integrity test in Oct 2020

Table B2: Summary details of pipeline/underground structures integrity test

Structure ID	Type system	Material of construction:	Does this structure have Secondary containment?	Type of secondary containment	Type integrity testing	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
Silt Tank	Foul	concrete		SELECT	Hydraulic	Yes	Pass		N/A	Oct-20	Pass
Foul water tank	N/A	concrete			N/A	N/A	N/A		N/A	N/A	N/A

Please use commentary for additional details not answered by tables/ questions above

Groundwater/Soil monitoring template	Lic No: W0148-01	Year 2017
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		Comments	
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	yes	
2	Are you required to carry out soil monitoring as part of your licence requirements?	no	
3	Do you extract groundwater for use on site? If yes please specify use in comment section	no	
4	Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below.	Groundwater monitoring template no	Please provide an interpretation of groundwater monitoring data in the interpretation box below or if you require additional space please include a groundwater/contaminated land monitoring results interpretation as an additional section in this AER Results show elevated levels of Diesel Range Organics (DRO) and Mineral oil in borehole GW3. Elevated levels of hydrocarbons have been consistently detected in the groundwater since monitoring began in 2006 and these persist although at lower levels than previous monitoring events. The elevated parameters are not considered to be the result of licensed activities onsite.
5	Is the contamination related to operations at the facility (either current and/or historic)	N/a	
6	Have actions been taken to address contamination issues? If yes please summarise remediation strategies proposed/undertaken for the site	N/A	
7	Please specify the proposed time frame for the remediation strategy	N/A	
8	Is there a licence condition to carry out/update ELRA for the site?	no	
9	Has any type of risk assessment been carried out for the site?	no	
10	Has a Conceptual Site Model been developed for the site?	no	
11	Have potential receptors been identified on and off site?	no	
12	Is there evidence that contamination is migrating offsite?	no	

Table 1: Upgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	SELECT**	Upward trend in pollutant concentration over last 5 years of monitoring data
16/05/2017; 29/11/2017	GW1	Mineral oils	Analysis of Petroleum Hydrocarbons in Environmental Media-Total Petroleum Hydrocarbon Criteria	Bi-annul	<0.01		mg/l			no
16/05/2017; 29/11/2017	GW1	Diesel range organics	Analysis of Petroleum Hydrocarbons in Environmental Media-Total Petroleum Hydrocarbon Criteria	Bi-annul	<0.01		mg/l			no
16/05/2017; 29/11/2017	GW1	Petrol range organics	By GC-FID (Determination of GRO by Headspace in water)	Bi-annul	<0.01		mg/l			no
16/05/2017; 29/11/2017	GW1	Electrical Conductivity	Determination of Specific Conductance by Metrohm automated probe analyser.	Bi-annul	0.722					no
16/05/2017; 29/11/2017	GW2	Mineral oils	Analysis of Petroleum Hydrocarbons in Environmental Media-Total Petroleum Hydrocarbon Criteria	Bi-annul	<0.01		mg/l			no
16/05/2017; 29/11/2017	GW2	Diesel range organics	Analysis of Petroleum Hydrocarbons in Environmental Media-Total Petroleum Hydrocarbon Criteria	Bi-annul	<0.01		mg/l			no
16/05/2017; 29/11/2017	GW2	Petrol range organics	By GC-FID (Determination of GRO by Headspace in water)	Bi-annul	0.357		mg/l			no
16/05/2017; 29/11/2017	GW2	Electrical Conductivity	Determination of Specific Conductance by Metrohm automated probe analyser.	Bi-annul	0.549					no
16/05/2017; 29/11/2017	GW3	Mineral oils	Analysis of Petroleum Hydrocarbons in Environmental Media-Total Petroleum Hydrocarbon Criteria	Bi-annul	298		mg/l			no
16/05/2017; 29/11/2017	GW3	Diesel range organics	Analysis of Petroleum Hydrocarbons in Environmental Media-Total Petroleum Hydrocarbon Criteria	Bi-annul	426.15		mg/l			no
16/05/2017; 29/11/2017	GW3	Petrol range organics	By GC-FID (Determination of GRO by Headspace in water)	Bi-annul	<0.01		mg/l			no
16/05/2017; 29/11/2017	GW3	Electrical Conductivity	Determination of Specific Conductance by Metrohm automated probe analyser.	Bi-annul	0.626					no

.* where average indicates arithmetic mean

.*+ maximum concentration indicates the maximum measured concentration from all monitoring results produced during the reporting year

Table 2: Downgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTV's*	SELECT**	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
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Groundwater/Soil monitoring template Lic No: W0148-01 Year 2017

16/05/2017; 29/11/2017	GW4	Mineral oils	Analysis of Petroleum Hydrocarbons in Environmental Media- Total Petroleum Hydrocarbon Criteria	Bi-annul	<0.01	mg/l			no
16/05/2017; 29/11/2017	GW4	Diesel range organics	Analysis of Petroleum Hydrocarbons in Environmental Media- Total Petroleum Hydrocarbon Criteria	Bi-annul	<0.01	mg/l			no
16/05/2017; 29/11/2017	GW4	Petrol range organics	By GC-FID (Determination of GRO by Headspace in water)	Bi-annul	<0.01	mg/l			no
16/05/2017; 29/11/2017	GW4	Electrical Conductivity	Determination of Specific Conductance by Metrohm automated probe analyser.	Bi-annul	0.67				no
16/05/2017; 29/11/2017	GW5	Mineral oils	Analysis of Petroleum Hydrocarbons in Environmental Media- Total Petroleum Hydrocarbon Criteria	Bi-annul	<0.01	mg/l			no
16/05/2017; 29/11/2017	GW5	Diesel range organics	Analysis of Petroleum Hydrocarbons in Environmental Media- Total Petroleum Hydrocarbon Criteria	Bi-annul	<0.01	mg/l			no
16/05/2017; 29/11/2017	GW5	Petrol range organics	By GC-FID (Determination of GRO by Headspace in water)	Bi-annul	<0.01	mg/l			no
16/05/2017; 29/11/2017	GW5	Electrical Conductivity	Determination of Specific Conductance by Metrohm automated probe analyser.	Bi-annul	0.668				no
16/05/2017; 29/11/2017	GW6	Mineral oils	Analysis of Petroleum Hydrocarbons in Environmental Media- Total Petroleum Hydrocarbon Criteria	Bi-annul	<0.01	mg/l			no
16/05/2017; 29/11/2017	GW6	Diesel range organics	Analysis of Petroleum Hydrocarbons in Environmental Media- Total Petroleum Hydrocarbon Criteria	Bi-annul	<0.01	mg/l			no
16/05/2017; 29/11/2017	GW6	Petrol range organics	By GC-FID (Determination of GRO by Headspace in water)	Bi-annul	<0.01	mg/l			no
16/05/2017; 29/11/2017	GW6	Electrical Conductivity	Determination of Specific Conductance by Metrohm automated probe analyser.	Bi-annul	0.617				no
							SELECT		SELECT

[Groundwater monitoring template](#)

*please note exceedance of generic assessment criteria (GAC) such as a Groundwater Threshold Value (GTV) or an Interim Guideline Value (IGV) or an upward trend in results for a substance indicates that further interpretation of monitoring results is required. In addition to completing the above table, please complete the Groundwater Monitoring Guideline Template Report at the link provided and submit separately through ALDER as a licensee return or as otherwise instructed by the EPA.

[Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites \(EPA 2013\).](#)

More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the link in G31)

**Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV e.g. if the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS). If the site is close to a drinking water supply compare results to the Drinking Water Standards (DWS)

[Groundwater](#) [Drinking water](#)
[Surface water EQS](#) [regulations](#) [\(private supply\) standards](#) [Drinking water \(public supply\) standards](#) [Interim Guideline Values \(IGV\)](#)

Groundwater/Soil monitoring template	Lic No:	W0148-01	Year	2017
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Table 3: Soil results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit
							SELECT
							SELECT

Where additional detail is required please enter it here in 200 words or less

Environmental Liabilities template

Lic No:

W0148-01

Year

2017

[Click here to access EPA guidance on Environmental Liabilities and Financial provision](#)

		Commentary	
1	ELRA initial agreement status	Submitted and agreed by EPA	
2	ELRA review status	Review required and completed	
3	Amount of Financial Provision cover required as determined by the latest ELRA	€313,896.00	
4	Financial Provision for ELRA status	Submitted and agreed by EPA	
5	Financial Provision for ELRA - amount of cover	€313,896.00	
6	Financial Provision for ELRA - type	Public Liability Insurance with Environmental Impairment Liability cover,	
7	Financial provision for ELRA expiry date	06/05/2018	
8	Closure plan initial agreement status	Closure plan submitted and not agreed by EPA	Documents posted to EPA but return for signing to the Bank
9	Closure plan review status	Review required and completed	
10	Financial Provision for Closure status	Submitted and not agreed by EPA;	
11	Financial Provision for Closure - amount of cover	€53,227	
12	Financial Provision for Closure - type	bank guarantee	
13	Financial provision for Closure expiry date	Enter expiry date	N/A

Environmental Management Programme/Continuous Improvement Programme template	Lic No:	W0148-01	Year	2017
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Highlighted cells contain dropdown menu click to view		Additional Information
1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Yes EF7000.02 Weighbridge Maintenance; EP7018 Emergency Response Procedure for Transfer Station, EP 70001 Transfer station Structure
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Energy Efficiency/Utility conservation	4%	50	Change energy provider- fitting of time light switches	Individual	Improved Environmental Management Practices
Additional improvements	100	35	Reduce energy usage by daily switch off of office electric units	Individual	Improved Environmental Management Practices
Materials Handling/Storage/Bunding	100	20	Supply movable storage area to capture WEEE materials on site	Individual	Installation of infrastructure
Additional improvements	100	0	Staff Training - Assistant Deputy Facility Manager to receive approved EPA training from ETS	Individual	Improved Environmental Management Practices
Additional improvements	100	40	To develop a routine weighbridge maintenance job	Individual	
Additional improvements	100	0	By nuisance inspection /complaints	Individual	Less complaints
Materials Handling/Storage/Bunding	100	20	The installation of brackets for the protection of the overhanging waste building flashing.	Individual	Installation of infrastructure

Noise monitoring summary report	Lic No: W0148-01	Year	2017
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1 Was noise monitoring a licence requirement for the AER period?

If yes please fill in table N1 noise summary below

2 Was noise monitoring carried out using the EPA Guidance note, including completion of the "Checklist for noise measurement report" included in the guidance note as table 6?

[Noise Guidance note NG4](#)

3 Does your site have a noise reduction plan

4 When was the noise reduction plan last updated?

5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?

Table N1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA _{eq}	LA ₉₀	LA ₁₀	LA _{max}	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is site compliant with noise limits (day/evening/night)?
								SELECT	SELECT		SELECT

*Please ensure that a tonal analysis has been carried out as per guidance note NG4. These records must be maintained onsite for future inspection

If noise limits exceeded as a result of noise attributed to site activities, please choose the corrective action from the following options?

** please explain the reason for not taking action/resolution of noise issues?
Further to letter sent by EPA on 29th November 2010 (W0148-01 (10) AP22JG.docx), the frequency of noise monitoring has been changed to once every two years. The City Bin Co next noise monitoring will be done in 2018.

Additional information

- 1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below
- 2 Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI programme linked to the right? If yes please list them in additional information
- 3 Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information

Enter date of audit	Service Provider changed from ESB to Energia in Sept 2017
No	N/A
No	

Table R1 Energy usage on site

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)				
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	67.28	61.16		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)	20,039	22,908		
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

* where consumption of energy can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.
 ** where site production information is available please enter percentage increase or decrease compared to previous year

Table R2 Water usage on site

Water use	Water extracted		Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Water Emissions	Water Consumption	Unaccounted for Water:
	Previous year m3/yr.	Current year m3/yr.			Volume Discharged back to environment(m ³ /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	
Groundwater							
Surface water							
Public supply							
Recycled water							
Total							

* where consumption of water can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.
 ** where site production information is available please enter percentage increase or decrease compared to previous year

Table R3 Waste Stream Summary

	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)					
Non-Hazardous (Tonnes)	23807.28	17397.7	0	4187.72	2221.86

Table R4: Energy Audit finding recommendations

Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
			SELECT					
			SELECT					
			SELECT					

Table R5: Power Generation: Where power is generated onsite (e.g. power generation facilities/food and drink industry)please complete the following information

	Unit ID	Unit ID	Unit ID	Unit ID	Station Total
Technology					
Primary Fuel					
Thermal Efficiency					
Unit Date of Commission					
Total Starts for year					
Total Running Time					
Total Electricity Generated (GWH)					
House Load (GWH)					
KWH per Litre of Process Water					
KWH per Litre of Total Water used on Site					

Complaints and Incidents summary template Lic No: W0148-01 Year 2017

Complaints		Additional information
Have you received any environmental complaints in the current reporting year? If yes please complete summary details of complaints received on site in table 1 below		Yes

Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action< 20 words	Resolution status	Resolution date	Further information
07/03/2017	Waste	Waste Separation	Waste seperation by member of public in relation to shed/public area	Extra signage erected to tell public to call to transfer station before tipping.	Complete	10/03/2017	On Site General Operative to advise on Amenity Site Waste Separation
07/09/2017	Waste	Pest	Complaint received from Greenway Properties regarding pest sightings on their premises.	EcoLab called in to carry out site inspection and increased visits scheduled, as a precaution.	Complete	12/09/2018	
SELECT					SELECT		
Total complaints open at start of reporting year							2
Total new complaints received during reporting year							2
Total complaints closed during reporting year							2
Balance of complaints end of reporting year							0

Incidents		Additional information
Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below		Yes

*For information on how to report and what constitutes an incident [What is an incident](#)

Date of occurrence	Incident nature	Location of occurrence	Incident category*please refer to guidance	Receptor	Cause of incident	Other cause(please specify)	Activity in progress at time of incident	Communication	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Likelihood of reoccurrence
23/01/2017	Trigger level reached	Licenced discharge point (type in reference here)	1. Minor	Water	Adverse weather		Normal activities	EPA	New	Quarterly surface water report showed that all the parameters return in the trigger levels	Monitoring the silt tank water level.	Complete		Low
29/11/2017	Trigger level reached	Licenced discharge point (type in reference here)	1. Minor	Air	Other (add details)	Greenway Property Ltd has installed a saw dust extractor on site that has impact on our dust results	Normal activities	EPA	New	N/A	Monitoring the dust results	Complete		Low
SELECT		SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT

Complaints and Incidents summary template		Lic No:	W0148-01	Year	2017
Total number of incidents current year					2
Total number of incidents previous year					0
% reduction/increase					

WASTE SUMMARY Lic No: W0148-01 Year 2017

Table 4 Environmental monitoring-landfill only [Landfill Manual-Monitoring Standards](#)

Was meteorological monitoring in compliance with Landfill Directive (LD) standard in reporting year +	Was leachate monitored in compliance with LD standard in reporting year	Was Landfill Gas monitored in compliance with LD standard in reporting year	Was SW monitored in compliance with LD standard in reporting year	Have GW trigger levels been established	Were emission limit values agreed with the Agency (ELVs)	Was topography of the site surveyed in reporting year	Has the statement under SS3(A)(S) of WMA been submitted in reporting year	Comments

-> please refer to Landfill Manual linked above for relevant Landfill Directive monitoring standards

Table 5 Capping-Landfill only

Area uncapped*	Area with temporary cap	Area with final cap to LD Standard m2 ha, a	Area capped other	Area with waste that should be permanently capped to date under licence	What materials are used in the cap	Comments
SELECT UNIT	SELECT UNIT					

*please note this includes daily cover area

Table 6 Leachate-Landfill only

9 Is leachate from your site treated in a Waste Water Treatment Plant?

SELECT

10 Is leachate released to surface water? If yes please complete leachate mass load information below

SELECT

Volume of leachate in reporting year(m3)	Leachate (BOD) mass load (kg/annum)	Leachate (COD) mass load (kg/annum)	Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	Leachate treatment on-site	Specify type of leachate treatment	Comments

Please ensure that all information reported in the landfill gas section is consistent with the Landfill Gas Survey submitted in conjunction with PRTR returns

Table 7 Landfill Gas-Landfill only

Gas Captured&Treated by LFG System m3	Power generated (MW / KWh)	Used on-site or to national grid	Was surface emissions monitoring performed during the reporting year?	Comments
			SELECT	

5. AER/ PRTR Reporting for 2017

[Guidance to completing the PRTR workbook](#)

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR	2017
-----------------------	------

1. FACILITY IDENTIFICATION

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

Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Townlands of Carrowmoneash
Address 2	Oranmore
Address 3	
Address 4	
	Galway
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	23500
Number of Employees	146
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5(c)	Installations for the disposal of non-hazardous waste
5(c)	Installations for the disposal of non-hazardous waste
50.1	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. WASTE IMPORTED/ACCEPTED ONTO SITE

[Guidance on waste imported/accepted onto site](#)

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities) ?	
--	--

This question is only applicable if you are an IPPC or Quarry site

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

| PRTR# : W0148 | Facility Name : City Bin Co Ltd | Filename : W0148_2017.xls | Return Year : 2017 |

23/03/2018 14:20

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		RELEASES TO AIR			Please enter all quantities in this section in KGs			
No. Annex II	Name	M/C/E	METHOD		Emission Point 1	QUANTITY		
			Method Code	Designation or Description		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

POLLUTANT		RELEASES TO AIR			Please enter all quantities in this section in KGs			
No. Annex II	Name	M/C/E	METHOD		Emission Point 1	QUANTITY		
			Method Code	Designation or Description		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)

POLLUTANT		RELEASES TO AIR			Please enter all quantities in this section in KGs			
Pollutant No.	Name	M/C/E	METHOD		Emission Point 1	QUANTITY		
			Method Code	Designation or Description		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		Facility Total Capacity m3 per hour
			Method Code	Designation or Description	
	Total estimated methane generation (as per site model)	0.0			N/A
	Methane flared	0.0			0.0 (Total Flaring Capacity)
	Methane utilised in engine/s	0.0			0.0 (Total Utilising Capacity)
Net methane emission (as reported in Section A above)	0.0				N/A

4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

| PRTR# : W0148 | Facility Name : City Bin Co Ltd | Filename : W0148_2017.xls | Return Year : 2017 |

23/03/2018 14:20

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					Please enter all quantities in this section in KGs			
POLLUTANT					QUANTITY			
No. Annex II	Name	M/C/E	Method Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description				
					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					Please enter all quantities in this section in KGs			
POLLUTANT					QUANTITY			
No. Annex II	Name	M/C/E	Method Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description				
					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					Please enter all quantities in this section in KGs			
POLLUTANT					QUANTITY			
Pollutant No.	Name	M/C/E	Method Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description				
					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

[Link to previous years emissions data](#)

| PRTR# : W0148 | Facility Name : City Bin Co Ltd | Filename : W0148_2017.xls | Return Year : 2017

23/03/2018 14:20

SECTION A : PRTR POLLUTANTS

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

[Link to previous years emissions data](#)

| PRTR# : W0148 | Facility Name : City Bin Co Ltd | Filename : W0148_2017.xls | Return Year : 2017 |

23/03/2018 14:20

SECTION A : PRTR POLLUTANTS

POLLUTANT		RELEASES TO LAND			Please enter all quantities in this section in KGs		
No. Annex II	Name	M/C/E	METHOD		QUANTITY		
			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)

POLLUTANT		RELEASES TO LAND			Please enter all quantities in this section in KGs		
Pollutant No.	Name	M/C/E	METHOD		QUANTITY		
			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_2017.xls | Return Year : 2017 |

23/03/2018 14:20

Please enter all quantities on this sheet in Tonnes

20

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	Haz Waste : Address of Next Destination Facility	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		Non	Non Haz Waste: Address of Recover/Disposer		
Within the Country	17 01 07	no	92.2	soil and stones other than those mentioned in 17 05 03	R5	M	Weighed	Offsite in Ireland	Wers Waste,WFP-G-17-00004-01	Tuam Business Park , Weir Road ,Tuam Co Galway,0,Ireland		
Within the Country	17 01 07	No	22.76	soil and stones other than those mentioned in 17 05 03	R5	M	Weighed	Offsite in Ireland	Barna Golf Club,Corboley Barna Co Galway COR-G-13-0001-01	Corboley ,Barna,Galway,Galway,Ireland		
Within the Country	20 01 02	No	4.54	glass	R5	M	Weighed	Offsite in Ireland	Barna Recycling,W106-02	Carrowbrowne ,Headford Road,Galway,0,Ireland		
Within the Country	20 01 08	No	57.12	biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Barna Recycling,W106-02	Carrowbrowne ,Headford Road,Galway,0,Ireland		
Within the Country	20 01 39	No	4.52	plastics	R5	M	Weighed	Offsite in Ireland	Barna Recycling,W106-02	Carrowbrowne ,Headford Road,Galway,0,Ireland		
Within the Country	20 03 01	No	4187.72	mixed dry recycling waste	R5	M	Weighed	Offsite in Ireland	Dillon Waste Recycling,WFP KY 10-001	The Kerries,Tralee,Co Kerry,0,Ireland		
Within the Country	20 03 01	No	14217.84	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Bord na Móna Environmental Ltd,W0201-02	Main Street,Newbridge,Co. Kildare,0,Ireland		
Within the Country	20 03 01	No	2150.22	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	East Galway Landfill,W178-02	Killagh More Ballybaun ,Ballintober Ballinasloe ,Co Galway,0,Ireland		
Within the Country	20 03 01	No	55.6	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Indaver Ireland LTD,W0167-03	Carranstown ,Duleek ,Co Meath ,0,Ireland		
Within the Country	20 03 01	No	974.04	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Starrus Eco Holding (Ballycoolin),W0183-01	Millenium Busiess Park ,Grange Ballycoolin ,Dublin 11,0,Ireland		
Within the Country	20 03 07	No	1764.26	bulky waste	R5	M	Weighed	Offsite in Ireland	Nurendale Ltd T/A Panda Waste Services,W0140-03	Rathdrinagh,Beauparc,Navan,Co Meath,Ireland		
Within the Country	20 03 07	No	137.28	bulky waste	R5	M	Weighed	Offsite in Ireland	Wers Waste,WFP-G-17-00004-01	Tuam Business Park , Weir Road ,Tuam Co Galway,0,Ireland		
Within the Country	20 03 07	No	89.94	bulky waste	R5	M	Weighed	Offsite in Ireland	Starrus Eco Holding (Fssaroe),W0053-03	Bray Depot La Vallee House,Fassaroe,Bray Co Wicklow,0,Ireland		
Within the Country	20 03 07	No	18.72	bulky waste	R5	M	Weighed	Offsite in Ireland	ADVANCED ENVIRONMENTAL SOLUTIONS (IRELAND) LTD ,W0104-03	Cappincur Industrial Estate Cappincur,Tullamore,Co Offaly,0,Ireland		
Within the Country	20 03 07	No	16.26	bulky waste	R5	M	Weighed	Offsite in Ireland	ADVANCED ENVIRONMENTAL SOLUTIONS (IRELAND) (AES) LTD ,W0222-01	Coldwinter Blakescross,Lusk,Co Dublin,0,Ireland		
Within the Country	20 03 07	No	14.26	bulky waste- Mattresses	D5	M	Weighed	Offsite in Ireland	Galway Traveller Movement Ltd,WFP-GC-17-0001-01	Unit 4 Ballybrit,Upper Industrial Estate,Ballybrit Co Galway,0,Ireland		

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

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[Link to previous years waste data](#)

[Link to previous years waste summary data & percentage change](#)

[Link to Waste Guidance](#)

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