Facility Information Summary	
AER Reporting Year	2017
Licence Register Number	W0205-01
Name of site	Greyhound Recycling and Recovery
Site Location	Crag Avenue, Clondalkin Industrial Estate, Dublin 22
NACE Code	2832
Class/Classes of Activity	3.11, 3.12, 3.13, 4.2, 4.3, 4.4, 4.8, 4.11, 4.12, 4.13
National Grid Reference (6E, 6 N)	53˚19, 48.3''N 6˚ 23'' 23.4 W
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 main activities that take place on site are the sorting, separating, processing and bulking of incoming waste materials,to divert waste from landfill, for the production of Refuse Derived Fuel, and Solid Refuse Fuel. The main processes carried out on site are described as follows: 1. MMW is accepted using the Waste Acceptance Procedure CR-113. All weights are recorded at the weighbridge office, on the IWS System. 2. Tipped in MRB2, incoming materials are inspected upon reception by the Shovel Driver in the Waste Acceptance Area, prior to them being loaded onto the Intake Conveyor for processing. 3. Materials from the Intake Conveyor are fed into the M&J Shredder, and are shredded at variable speed. The capacity of the M&J Shredder is 100tonnes/hr. The shredded wastes from the outlet of the shredder have maximum size of 400mm and are conveyed to a Trommel for size screening. 4. Isolation of ferrous metal from oversized residues, is completed by Magnetic separation via two overband magnets. 5. The wastes are separated into undersized (≤200 mm) and oversized residues (≤400mm) by size exclusion. 6. Weight separation of the remaining Oversized residuals, achieved using an air-blower (Integra), leading to the segregation of light from heavy particles. 7. RDF is obtained from the heavy separates obtained after weight exclusion from the oversized residues. 8. During the first stage of Undersize processing, Ferrous metals are removed from the undersized residues by a magnet (magnet 2) and removed from the conveyer belt into the Ferrous metal bay. 9. The Second stage of Undersized processing involves sending the residues through a Trommel (Trommel 2) where the organic fines are extracted (<50mm).

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.

_____	_____
Signature Group/Facility manager (or nominated, suitably qualified and experienced deputy)	Date

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Answer all questions and complete all tables where relevant

			Additional information
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	no	na

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		No	
3	Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist?	Basic air monitoring checklist	yes	na

AGN2

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 therof	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
D1	TA Luft inorganic dust particles class 1	Bi-annually	350	Monthly average < ELV	116	mg/m2/day	yes	VDI 2119	na	na
D2	TA Luft inorganic dust particles class 1	Bi-annually	350	Monthly average < ELV	38	mg/m2/day	yes	VDI 2119	na	na
D1	TA Luft inorganic dust particles class 1	Bi-annually	350	Monthly average < ELV	94	mg/m2/day	yes	VDI 2119	na	na
D2	TA Luft inorganic dust particles class 1	Bi-annually	350	Monthly average < ELV	161	mg/m2/day	yes	VDI 2119	na	na

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

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Continuous Monitoring				

4	Does your site carry out continuous air emissions monitoring?	no	NA
	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)		
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below	NO	NA
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	NO	NA
7	Did your site experience any abatement system bypasses? If yes please detail them in table A3 below	SELECT	

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
na	SELECT	na	na	SELECT	SELECT	na	na	na	na	na
na	SELECT	na	na		SELECT	na	na	na	na	na
na	SELECT	na	na		SELECT	na	na	na	na	na
na	SELECT	na	na		SELECT	na	na	na	na	na
na	SELECT	na	na		SELECT	na	na	na	na	na

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	
na	na	na	na	na	na	na	na	na	na
na	na	na	na	na	na	na	na	na	na
na	na	na	na	na	na	na	na	na	na
na	na	na	na	na	na	na	na	na	na
na	na	na	na	na	na	na	na	na	na
na	na	na	na	na	na	na	na	na	na
na	na	na	na	na	na	na	na	na	na

* 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

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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	SELECT	na

Table A4: Solvent Management Plan Summary
Total VOC Emission limit value

Solvent regulations — Please refer to linked solvent regulations to complete table 5 and 6

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 therof	Compliance
na	na	na	na	na	SELECT
na	na	na	na	na	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. by-	Solvents destroyed onsite through	Total emission of Solvent to air (kg)
na	na	na	na	na	na	na	na	na
na	na	na	na	na	na	na	na	na
na	na	na	na	na	na	na	na	na
na	na	na	na	na	na	na	na	na

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		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	YES — Licensed emissions to Trade Effluent
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 — daily routine inspections of Storm Water included visual, odour, conductivity and Ph monitorring.

Table W1 Storm water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licenced 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
SW1	onsite	na	Conductivity	28/01/2016	NA	N/A	NA	µS/cm @20oC	NA	NA
SW1	onsite	na	pH	28/01/2016	NA	N/A	7.3	pH units	NA	NA
SW1	onsite	na	COD	28/01/2016	NA	N/A	20	mg/L O2	NA	NA
SW1	onsite	na	Fats, Oils and Greases	28/01/2016	NA	N/A	<1.0	mg/L	NA	NA
SW1	onsite	na	Suspended Solids	28/01/2016	NA	N/A	<2.0	mg/L	NA	NA
SW1	onsite	na	Conductivity	30/03/2016	NA	N/A	NA	µS/cm @20oC	NA	NA
SW1	onsite	na	pH	30/03/2016	NA	N/A	7.45	pH units	NA	NA
SW1	onsite	na	COD	30/03/2016	NA	N/A	38	mg/L O2	NA	NA
SW1	onsite	na	Fats, Oils and Greases	30/03/2016	NA	N/A	<1.0	mg/L	NA	NA
SW1	onsite	na	Suspended Solids	30/03/2016	NA	N/A	7	mg/L	NA	NA
SW1 (lab ref. 316622)	onsite	na	Conductivity	18/04/2016	NA	N/A	639	µS/cm @20oC	NA	NA
SW1 (lab ref. 316622)	onsite	na	pH	18/04/2016	NA	N/A	8.88	pH units	NA	NA
SW1 (lab ref. 316622)	onsite	na	COD	18/04/2016	NA	N/A	91	mg/L O2	NA	NA
SW1 (lab ref. 316622)	onsite	na	Fats, Oils and Greases	18/04/2016	NA	N/A	<1.000	mg/L	NA	NA
SW1 (lab ref. 316622)	onsite	na	Suspended Solids	18/04/2016	NA	N/A	10	mg/L	NA	NA
SW1 (lab ref 318602)	onsite	na	Conductivity	11/05/2016	NA	N/A	359	µS/cm @20oC	NA	NA
SW1 (lab ref 318602)	onsite	na	pH	11/05/2016	NA	N/A	7.42	pH units	NA	NA
SW1 (lab ref 318602)	onsite	na	COD	11/05/2016	NA	N/A	22	mg/L O2	NA	NA
SW1 (lab ref 318602)	onsite	na	Fats, Oils and Greases	11/05/2016	NA	N/A	<1.000	mg/L	NA	NA
SW1 (lab ref 318602)	onsite	na	Suspended Solids	11/05/2016	NA	N/A	2	mg/L	NA	NA
SW1 (Lab ref 330528)	onsite	na	Conductivity	30/08/2016	NA	N/A	785	µS/cm @20oC	NA	NA
SW1 (Lab ref 330528)	onsite	na	pH	30/08/2016	NA	N/A	9.18	pH units	NA	NA
SW1 (Lab ref 330528)	onsite	na	COD	30/08/2016	NA	N/A	229	mg/L O2	NA	NA
SW1 (Lab ref 330528)	onsite	na	Fats, Oils and Greases	30/08/2016	NA	N/A	3.618	mg/L	NA	NA
SW1 (Lab ref 330528)	onsite	na	Suspended Solids	30/08/2016	NA	N/A	39	mg/L	NA	NA
SW1 (Lab ref 333080)	onsite	na	Conductivity	22/09/2016	NA	N/A	740	µS/cm @20oC	NA	NA
SW1 (Lab ref 333080)	onsite	na	pH	22/09/2016	NA	N/A	9.15	pH units	NA	NA
SW1 (Lab ref 333080)	onsite	na	COD	22/09/2016	NA	N/A	310	mg/L O2	NA	NA
SW1 (Lab ref 333080)	onsite	na	Fats, Oils and Greases	22/09/2016	NA	N/A	9.18	mg/L	NA	NA

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SW1 (Lab ref 333080)	onsite	na	Suspended Solids	22/09/2016	NA	N/A	24	mg/L	NA	NA
SW1 (Lab ref 335623)	onsite	na	Conductivity	14/10/2016	NA	N/A	463	µS/cm @20oC	NA	NA
SW1 (Lab ref 335623)	onsite	na	pH	14/10/2016	NA	N/A	7.61	pH units	NA	NA
SW1 (Lab ref 335623)	onsite	na	COD	14/10/2016	NA	N/A	52	mg/L O2	NA	NA
SW1 (Lab ref 335623)	onsite	na	Fats, Oils and Greases	14/10/2016	NA	N/A	6.882	mg/L	NA	NA
SW1 (Lab ref 335623)	onsite	na	Suspended Solids	14/10/2016	NA	N/A	8	mg/L	NA	NA
SW1 (lab ref339843)	onsite	na	Conductivity	17/11/2016	NA	N/A	364	µS/cm @20oC	NA	NA
SW1 (lab ref339843)	onsite	na	pH	17/11/2016	NA	N/A	7.43	pH units	NA	NA
SW1 (lab ref339843)	onsite	na	COD	17/11/2016	NA	N/A	20	mg/L O2	NA	NA
SW1 (lab ref339843)	onsite	na	Fats, Oils and Greases	17/11/2016	NA	N/A	<1.000	mg/L	NA	NA
SW1 (lab ref339843)	onsite	na	Suspended Solids	17/11/2016	NA	N/A	2	mg/L	NA	NA
SW1 (lab ref 339844)	onsite	na	Conductivity	17/11/2016	NA	N/A	351	µS/cm @20oC	NA	NA
SW1 (lab ref 339844)	onsite	na	pH	17/11/2016	NA	N/A	7.49	pH units	NA	NA
SW1 (lab ref 339844)	onsite	na	COD	17/11/2016	NA	N/A	21	mg/L O2	NA	NA
SW1 (lab ref 339844)	onsite	na	Fats, Oils and Greases	17/11/2016	NA	N/A	<1.000	mg/L	NA	NA
SW1 (lab ref 339844)	onsite	na	Suspended Solids	17/11/2016	NA	N/A	3	mg/L	NA	NA
SW1 (lab ref 343301)	onsite	na	Conductivity	15/12/2016	NA	N/A	426	µS/cm @20oC	NA	NA
SW1 (lab ref 343301)	onsite	na	pH	15/12/2016	NA	N/A	7.85	pH units	NA	NA
SW1 (lab ref 343301)	onsite	na	COD	15/12/2016	NA	N/A	24	mg/L O2	NA	NA
SW1 (lab ref 343301)	onsite	na	Fats, Oils and Greases	15/12/2016	NA	N/A	<1.000	mg/L	NA	NA
SW1 (lab ref 343301)	onsite	na	Suspended Solids	15/12/2016	NA	N/A	6	mg/L	NA	NA

*trigger values may be agreed by the Agency

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	
na	na	na	na	na	na	SELECT	na	na	na	na
na	na	na	na	na	na	SELECT	na	na	na	na

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			Yes	na
4	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	External /Internal Lab Quality checklist	Assessment of results checklist	Yes	na

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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/ SubstanceNote 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision therof[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)
TE1	Wastewater/Sewer	BOD	discrete	26.01.17	Monthly	2,000	All values < ELV	25	mg/L O2	yes	INSTRUMENTAL METHODS	ISO	D/D1003	
TE1	Wastewater/Sewer	COD	discrete	26.01.17	Monthly	8,000	All values < ELV	32	mg/L O2	yes	INSTRUMENTAL METHODS	ISO	D/D1009	
TE1	Wastewater/Sewer	Conductivity	discrete	26.01.17	Monthly	NA	All values < ELV	203.5	µS/cm @20oC	NA	INSTRUMENTAL METHODS	NA	D/D3011	
TE1	Wastewater/Sewer	Detergents (as MBAS)	discrete	26.01.17	Monthly	100	All values < ELV	0.052	mg/L	yes	INSTRUMENTAL METHODS	ISO	S/S	
TE1	Wastewater/Sewer	Fats, Oils and Greases	discrete	26.01.17	Monthly	200	All values < ELV	<1.0	mg/L	yes	INSTRUMENTAL METHODS	ISO	S/S3208	
TE1	Wastewater/Sewer	Mineral oils	discrete	26.01.17	Monthly	10	All values < ELV	0.14	mg/L	yes	INSTRUMENTAL METHODS	ISO	*U	
TE1	Wastewater/Sewer	Ortho-phosphate (as PO4)	discrete	26.01.17	Monthly	100	All values < ELV	0.096	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D3000	
TE1	Wastewater/Sewer	pH	discrete	26.01.17	Monthly	6-10	All values < ELV	7.64	pH units	yes	INSTRUMENTAL METHODS	ISO	D/D1041	
TE1	Wastewater/Sewer	Sulphate	discrete	26.01.17	Monthly	500	All values < ELV	28.886	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D3000	
TE1	Wastewater/Sewer	Suspended Solids	discrete	26.01.17	Monthly	2,000	All values < ELV	46	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D1049	
TE1	Wastewater/Sewer	BOD	discrete	21.02.17	Monthly	2,000	All values < ELV	89	mg/L O2	yes	INSTRUMENTAL METHODS	ISO	D/D1003	
TE1	Wastewater/Sewer	COD	discrete	21.02.17	Monthly	8,000	All values < ELV	107	mg/L O2	yes	INSTRUMENTAL METHODS	ISO	D/D1009	
TE1	Wastewater/Sewer	Conductivity	discrete	21.02.17	Monthly	NA	All values < ELV	405	µS/cm @20oC	NA	INSTRUMENTAL METHODS	ISO	D/D3011	
TE1	Wastewater/Sewer	Detergents (as MBAS)	discrete	21.02.17	Monthly	100	All values < ELV	0.171	mg/L	yes	INSTRUMENTAL METHODS	ISO	S/S	
TE1	Wastewater/Sewer	Fats, Oils and Greases	discrete	21.02.17	Monthly	200	All values < ELV	<1.0	mg/L	yes	INSTRUMENTAL METHODS	ISO	S/S3208	
TE1	Wastewater/Sewer	Mineral oils	discrete	21.02.17	Monthly	10	All values < ELV	1.4	mg/L	yes	INSTRUMENTAL METHODS	ISO	*U	
TE1	Wastewater/Sewer	Ortho-phosphate (as PO4)	discrete	21.02.17	Monthly	100	All values < ELV	<0.025	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D3000	
TE1	Wastewater/Sewer	pH	discrete	21.02.17	Monthly	6-10	All values < ELV	7.17	pH units	yes	INSTRUMENTAL METHODS	ISO	D/D1041	
TE1	Wastewater/Sewer	Sulphate	discrete	21.02.17	Monthly	500	All values < ELV	41.006	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D3000	
TE1	Wastewater/Sewer	Suspended Solids	discrete	21.02.17	Monthly	2,000	All values < ELV	48	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D1049	
TE1	Wastewater/Sewer	BOD	discrete	21.03.17	Monthly	2,000	All values < ELV	16	mg/L O2	yes	INSTRUMENTAL METHODS	ISO	D/D1003	
TE1	Wastewater/Sewer	COD	discrete	21.03.17	Monthly	8,000	All values < ELV	69	mg/L O2	yes	INSTRUMENTAL METHODS	ISO	D/D1009	

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TE1	Wastewater/Sewer	Conductivity	discrete	21.03.17	Monthly	NA	All values < ELV	248.9	µS/cm @20oC	NA	INSTRUMENTAL METHODS	ISO	D/D3011	
TE1	Wastewater/Sewer	Detergents (as MBAS)	discrete	21.03.17	Monthly	100	All values < ELV	0.696	mg/L	yes	INSTRUMENTAL METHODS	ISO	S/S	
TE1	Wastewater/Sewer	Fats, Oils and Greases	discrete	21.03.17	Monthly	200	All values < ELV	<1.0	mg/L	yes	INSTRUMENTAL METHODS	ISO	S/S3208	
TE1	Wastewater/Sewer	Mineral oils	discrete	21.03.17	Monthly	10	All values < ELV	0.059	mg/L	yes	INSTRUMENTAL METHODS	ISO	*U	
TE1	Wastewater/Sewer	Ortho-phosphate (as PO4)	discrete	21.03.17	Monthly	100	All values < ELV	0.646	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D3000	
TE1	Wastewater/Sewer	pH	discrete	21.03.17	Monthly	6-10	All values < ELV	7.68	pH units	yes	INSTRUMENTAL METHODS	ISO	D/D1041	
TE1	Wastewater/Sewer	Sulphate	discrete	21.03.17	Monthly	500	All values < ELV	28.598	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D3000	
TE1	Wastewater/Sewer	Suspended Solids	discrete	21.03.17	Monthly	2,000	All values < ELV	25	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D1049	
TE1 (lab ref 316931)	Wastewater/Sewer	BOD	discrete	26.04.17	Monthly	2,000	All values < ELV	125	mg/L O2	yes	INSTRUMENTAL METHODS	ISO	D/D1003	
TE1 (lab ref 316931)	Wastewater/Sewer	COD	discrete	26.04.17	Monthly	8,000	All values < ELV	242	mg/L O2	yes	INSTRUMENTAL METHODS	ISO	D/D1009	
TE1 (lab ref 316931)	Wastewater/Sewer	Conductivity	discrete	26.04.17	Monthly	NA	All values < ELV	590	µS/cm @20oC	yes	INSTRUMENTAL METHODS	ISO	D/D3011	
TE1 (lab ref 316931)	Wastewater/Sewer	Detergents (as MBAS)	discrete	26.04.17	Monthly	100	All values < ELV	0.532	mg/L	yes	INSTRUMENTAL METHODS	ISO	S/S	
TE1 (lab ref 316931)	Wastewater/Sewer	Fats, Oils and Greases	discrete	26.04.17	Monthly	200	All values < ELV	<1.0	mg/L	yes	INSTRUMENTAL METHODS	ISO	S/S3208	
TE1 (lab ref 316931)	Wastewater/Sewer	Mineral oils	discrete	26.04.17	Monthly	10	All values < ELV	0.42	mg/L	yes	INSTRUMENTAL METHODS	ISO	*U	
TE1 (lab ref 316931)	Wastewater/Sewer	Ortho-phosphate (as PO4)	discrete	26.04.17	Monthly	100	All values < ELV	3.851	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D3000	
TE1 (lab ref 316931)	Wastewater/Sewer	pH	discrete	26.04.17	Monthly	6-10	All values < ELV	7.96	pH units	yes	INSTRUMENTAL METHODS	ISO	D/D1041	
TE1 (lab ref 316931)	Wastewater/Sewer	Sulphate	discrete	26.04.17	Monthly	500	All values < ELV	32.628	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D3000	
TE1 (lab ref 316931)	Wastewater/Sewer	Suspended Solids	discrete	26.04.17	Monthly	2,000	All values < ELV	75	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D1049	
TE1(lab ref 316761)	Wastewater/Sewer	BOD	discrete	16.05.17	Monthly	2,000	All values < ELV	67	mg/L O2	yes	INSTRUMENTAL METHODS	ISO	D/D1003	
TE1(lab ref 316761)	Wastewater/Sewer	COD	discrete	16.05.17	Monthly	8,000	All values < ELV	195	mg/L O2	yes	INSTRUMENTAL METHODS	ISO	D/D1009	
TE1(lab ref 316761)	Wastewater/Sewer	Conductivity	discrete	16.05.17	Monthly	NA	All values < ELV	260	µS/cm @20oC	yes	INSTRUMENTAL METHODS	ISO	D/D3011	
TE1(lab ref 316761)	Wastewater/Sewer	Detergents (as MBAS)	discrete	16.05.17	Monthly	100	All values < ELV	0.069	mg/L	yes	INSTRUMENTAL METHODS	ISO	S/S	
TE1(lab ref 316761)	Wastewater/Sewer	Fats, Oils and Greases	discrete	16.05.17	Monthly	200	All values < ELV	<1.0	mg/L	yes	INSTRUMENTAL METHODS	ISO	S/S3208	
TE1(lab ref 316761)	Wastewater/Sewer	Mineral oils	discrete	16.05.17	Monthly	10	All values < ELV	3.3	mg/L	yes	INSTRUMENTAL METHODS	ISO	*U	
TE1(lab ref 316761)	Wastewater/Sewer	Ortho-phosphate (as PO4)	discrete	16.05.17	Monthly	100	All values < ELV	0.265	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D3000	
TE1(lab ref 316761)	Wastewater/Sewer	pH	discrete	16.05.17	Monthly	6-10	All values < ELV	7.14	pH units	yes	INSTRUMENTAL METHODS	ISO	D/D1041	
TE1(lab ref 316761)	Wastewater/Sewer	Sulphate	discrete	16.05.17	Monthly	500	All values < ELV	26.976	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D3000	
TE1(lab ref 316761)	Wastewater/Sewer	Suspended Solids	discrete	16.05.17	Monthly	2,000	All values < ELV	78	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D1049	
TE1 (lab ref 316621)	Wastewater/Sewer	BOD	discrete	22.06.17	Monthly	2,000	All values < ELV	104	mg/L O2	yes	INSTRUMENTAL METHODS	ISO	D/D1003	
TE1 (lab ref 316621)	Wastewater/Sewer	COD	discrete	22.06.17	Monthly	8,000	All values < ELV	197	mg/L O2	yes	INSTRUMENTAL METHODS	ISO	D/D1009	
TE1 (lab ref 316621)	Wastewater/Sewer	Conductivity	discrete	22.06.17	Monthly	NA	All values < ELV	314	µS/cm @20oC	NA	INSTRUMENTAL METHODS	ISO	D/D3011	
TE1 (lab ref 316621)	Wastewater/Sewer	Detergents (as MBAS)	discrete	22.06.17	Monthly	100	All values < ELV	0.831	mg/L	yes	INSTRUMENTAL METHODS	ISO	S/S	
TE1 (lab ref 316621)	Wastewater/Sewer	Ortho-phosphate (as PO4)	discrete	22.06.17	Monthly	100	All values < ELV	0.258	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D3000	
TE1 (lab ref 316621)	Wastewater/Sewer	pH	discrete	22.06.17	Monthly	6-10	All values < ELV	6.87	pH units	yes	INSTRUMENTAL METHODS	ISO	D/D1041	

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TE1 (lab ref 316621)	Wastewater/Sewer	Sulphate	discrete	22.06.17	Monthly	500	All values < ELV	30.65	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D3000	
TE1 (lab ref 316621)	Wastewater/Sewer	Suspended Solids	discrete	22.06.17	Monthly	2,000	All values < ELV	33	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D1049	
TE1(lab ref 318605)	Wastewater/Sewer	BOD	discrete	13.07.17	Monthly	2,000	All values < ELV	97	mg/L O2	yes	INSTRUMENTAL METHODS	ISO	D/D1003	
TE1(lab ref 318605)	Wastewater/Sewer	COD	discrete	13.07.17	Monthly	8,000	All values < ELV	280	mg/L O2	yes	INSTRUMENTAL METHODS	ISO	D/D1009	
TE1(lab ref 318605)	Wastewater/Sewer	Conductivity	discrete	13.07.17	Monthly	NA	All values < ELV	510	µS/cm @20oC	yes	INSTRUMENTAL METHODS	ISO	D/D3011	
TE1(lab ref 318605)	Wastewater/Sewer	Detergents (as MBAS)	discrete	13.07.17	Monthly	100	All values < ELV	0.152	mg/L	yes	INSTRUMENTAL METHODS	ISO	S/S	
TE1(lab ref 318605)	Wastewater/Sewer	Fats, Oils and Greases	discrete	13.07.17	Monthly	200	All values < ELV	<1.0	mg/L	yes	INSTRUMENTAL METHODS	ISO	S/S3208	
TE1(lab ref 318605)	Wastewater/Sewer	Mineral oils	discrete	13.07.17	Monthly	10	All values < ELV	2	mg/L	yes	INSTRUMENTAL METHODS	ISO	*U	
TE1(lab ref 318605)	Wastewater/Sewer	Ortho-phosphate (as PO4)	discrete	13.07.17	Monthly	100	All values < ELV	1.881	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D3000	
TE1(lab ref 318605)	Wastewater/Sewer	pH	discrete	13.07.17	Monthly	6-10	All values < ELV	8.03	pH units	yes	INSTRUMENTAL METHODS	ISO	D/D1041	
TE1(lab ref 318605)	Wastewater/Sewer	Sulphate	discrete	13.07.17	Monthly	500	All values < ELV	24.102	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D3000	
TE1 (lab ref 330527)	Wastewater/Sewer	Suspended Solids	discrete	13.07.17	Monthly	2,000	All values < ELV	285	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D1049	
TE1 (lab ref 330527)	Wastewater/Sewer	BOD	discrete	16.08.17	Monthly	2,000	All values < ELV	147	mg/L O2	yes	INSTRUMENTAL METHODS	ISO	D/D1003	
TE1 (lab ref 330527)	Wastewater/Sewer	COD	discrete	16.08.17	Monthly	8,000	All values < ELV	764	mg/L O2	yes	INSTRUMENTAL METHODS	ISO	D/D1009	
TE1 (lab ref 330527)	Wastewater/Sewer	Conductivity	discrete	16.08.17	Monthly	NA	All values < ELV	528	µS/cm @20oC	yes	INSTRUMENTAL METHODS	ISO	D/D3011	
TE1 (lab ref 330527)	Wastewater/Sewer	Detergents (as MBAS)	discrete	16.08.17	Monthly	100	All values < ELV	0.398	mg/L	yes	INSTRUMENTAL METHODS	ISO	S/S	
TE1 (lab ref 330527)	Wastewater/Sewer	Fats, Oils and Greases	discrete	16.08.17	Monthly	200	All values < ELV	17.415	mg/L	yes	INSTRUMENTAL METHODS	ISO	S/S3208	
TE1 (lab ref 330527)	Wastewater/Sewer	Mineral oils	discrete	16.08.17	Monthly	10	All values < ELV	18	mg/L	no (if no please enter details in	INSTRUMENTAL METHODS	ISO	*U	
TE1 (lab ref 330527)	Wastewater/Sewer	Ortho-phosphate (as PO4)	discrete	16.08.17	Monthly	100	All values < ELV	0.922	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D3000	
TE1 (lab ref 330527)	Wastewater/Sewer	pH	discrete	16.08.17	Monthly	6-10	All values < ELV	7.49	pH units	yes	INSTRUMENTAL METHODS	ISO	D/D1041	
TE1 (lab ref 330527)	Wastewater/Sewer	Sulphate	discrete	16.08.17	Monthly	500	All values < ELV	32.939	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D3000	
TE1 (lab ref 330527)	Wastewater/Sewer	Suspended Solids	discrete	16.08.17	Monthly	2,000	All values < ELV	1040	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D1049	
TE1 (lab ref 333079)	Wastewater/Sewer	BOD	discrete	12.09.17	Monthly	2,000	All values < ELV	73	mg/L O2	yes	INSTRUMENTAL METHODS	ISO	D/D1003	
TE1 (lab ref 333079)	Wastewater/Sewer	COD	discrete	12.09.17	Monthly	8,000	All values < ELV	129	mg/L O2	yes	INSTRUMENTAL METHODS	ISO	D/D1009	
TE1 (lab ref 333079)	Wastewater/Sewer	Conductivity	discrete	12.09.17	Monthly	NA	All values < ELV	210.7	µS/cm @20oC	yes	INSTRUMENTAL METHODS	ISO	D/D3011	
TE1 (lab ref 333079)	Wastewater/Sewer	Detergents (as MBAS)	discrete	12.09.17	Monthly	100	All values < ELV	0.041	mg/L	yes	INSTRUMENTAL METHODS	ISO	S/S	
TE1 (lab ref 333079)	Wastewater/Sewer	Fats, Oils and Greases	discrete	12.09.17	Monthly	200	All values < ELV	<1.0	mg/L	yes	INSTRUMENTAL METHODS	ISO	S/S3208	
TE1 (lab ref 333079)	Wastewater/Sewer	Mineral oils	discrete	12.09.17	Monthly	10	All values < ELV	<0.021	mg/L	yes	INSTRUMENTAL METHODS	ISO	*U	
TE1 (lab ref 333079)	Wastewater/Sewer	Ortho-phosphate (as PO4)	discrete	12.09.17	Monthly	100	All values < ELV	0.067	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D3000	
TE1 (lab ref 333079)	Wastewater/Sewer	pH	discrete	12.09.17	Monthly	6-10	All values < ELV	7.31	pH units	yes	INSTRUMENTAL METHODS	ISO	D/D1041	
TE1 (lab ref 333079)	Wastewater/Sewer	Sulphate	discrete	12.09.17	Monthly	500	All values < ELV	29.767	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D3000	
TE1 (lab ref 333079)	Wastewater/Sewer	Suspended Solids	discrete	12.09.17	Monthly	2,000	All values < ELV	57	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D1049	
TE1 (lab ref 335622)	Wastewater/Sewer	BOD	discrete	24.10.17	Monthly	2,000	All values < ELV	158	mg/L O2	yes	INSTRUMENTAL METHODS	ISO	D/D1003	
TE1 (lab ref 335622)	Wastewater/Sewer	COD	discrete	24.10.17	Monthly	8,000	All values < ELV	536	mg/L O2	yes	INSTRUMENTAL METHODS	ISO	D/D1009	

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TE1 (lab ref 335622)	Wastewater/Sewer	Conductivity	discrete	24.10.17	Monthly	NA	All values < ELV	379	µS/cm @20oC	yes	INSTRUMENTAL METHODS	ISO	D/D3011	
TE1 (lab ref 335622)	Wastewater/Sewer	Detergents (as MBAS)	discrete	24.10.17	Monthly	100	All values < ELV	0.22	mg/L	yes	INSTRUMENTAL METHODS	ISO	S/S	
TE1 (lab ref 335622)	Wastewater/Sewer	Fats, Oils and Greases	discrete	24.10.17	Monthly	200	All values < ELV	<1.0	mg/L	yes	INSTRUMENTAL METHODS	ISO	S/S3208	
TE1 (lab ref 335622)	Wastewater/Sewer	Mineral oils	discrete	24.10.17	Monthly	10	All values < ELV	5.5	mg/L	yes	INSTRUMENTAL METHODS	ISO	*U	
TE1 (lab ref 335622)	Wastewater/Sewer	Ortho-phosphate (as PO4)	discrete	24.10.17	Monthly	100	All values < ELV	0.137	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D3000	
TE1 (lab ref 335622)	Wastewater/Sewer	pH	discrete	24.10.17	Monthly	6-10	All values < ELV	7.34	pH units	yes	INSTRUMENTAL METHODS	ISO	D/D1041	
TE1 (lab ref 335622)	Wastewater/Sewer	Sulphate	discrete	24.10.17	Monthly	500	All values < ELV	31.856	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D3000	
TE1 (lab ref 335622)	Wastewater/Sewer	Suspended Solids	discrete	24.10.17	Monthly	2,000	All values < ELV	195	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D1049	
TE1 (lab ref 339841)	Wastewater/Sewer	BOD	discrete	09.11.17	Monthly	2,000	All values < ELV	251	mg/L O2	yes	INSTRUMENTAL METHODS	ISO	D/D1003	
TE1 (lab ref 339841)	Wastewater/Sewer	COD	discrete	09.11.17	Monthly	8,000	All values < ELV	392	mg/L O2	yes	INSTRUMENTAL METHODS	ISO	D/D1009	
TE1 (lab ref 339841)	Wastewater/Sewer	Conductivity	discrete	09.11.17	Monthly	NA	All values < ELV	214.8	µS/cm @20oC	yes	INSTRUMENTAL METHODS	ISO	D/D3011	
TE1 (lab ref 339841)	Wastewater/Sewer	Detergents (as MBAS)	discrete	09.11.17	Monthly	100	All values < ELV	1.063	mg/L	yes	INSTRUMENTAL METHODS	ISO	S/S	
TE1 (lab ref 339841)	Wastewater/Sewer	Fats, Oils and Greases	discrete	09.11.17	Monthly	200	All values < ELV	5.37	mg/L	yes	INSTRUMENTAL METHODS	ISO	S/S3208	
TE1 (lab ref 339841)	Wastewater/Sewer	Mineral oils	discrete	09.11.17	Monthly	10	All values < ELV	0.7	mg/L	yes	INSTRUMENTAL METHODS	ISO	*U	
TE1 (lab ref 339841)	Wastewater/Sewer	Ortho-phosphate (as PO4)	discrete	09.11.17	Monthly	100	All values < ELV	7.165	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D3000	
TE1 (lab ref 339841)	Wastewater/Sewer	pH	discrete	09.11.17	Monthly	6-10	All values < ELV	7.71	pH units	yes	INSTRUMENTAL METHODS	ISO	D/D1041	
TE1 (lab ref 339841)	Wastewater/Sewer	Sulphate	discrete	09.11.17	Monthly	500	All values < ELV	44.018	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D3000	
TE1 (lab ref 339841)	Wastewater/Sewer	Suspended Solids	discrete	09.11.17	Monthly	2,000	All values < ELV	300	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D1049	
TE1 (lab ref 339842)	Wastewater/Sewer	BOD	discrete	07.12.17	Monthly	2,000	All values < ELV	69	mg/L O2	yes	INSTRUMENTAL METHODS	ISO	D/D1003	
TE1 (lab ref 339842)	Wastewater/Sewer	COD	discrete	07.12.17	Monthly	8,000	All values < ELV	239	mg/L O2	yes	INSTRUMENTAL METHODS	ISO	D/D1009	
TE1 (lab ref 339842)	Wastewater/Sewer	Conductivity	discrete	07.12.17	Monthly	NA	All values < ELV	647	µS/cm @20oC	yes	INSTRUMENTAL METHODS	ISO	D/D3011	
TE1 (lab ref 339842)	Wastewater/Sewer	Detergents (as MBAS)	discrete	07.12.17	Monthly	100	All values < ELV	3.905	mg/L	yes	INSTRUMENTAL METHODS	ISO	S/S	
TE1 (lab ref 339842)	Wastewater/Sewer	Fats, Oils and Greases	discrete	07.12.17	Monthly	200	All values < ELV	<1.0	mg/L	yes	INSTRUMENTAL METHODS	ISO	S/S3208	
TE1 (lab ref 339842)	Wastewater/Sewer	Mineral oils	discrete	07.12.17	Monthly	10	All values < ELV	4.5	mg/L	yes	INSTRUMENTAL METHODS	ISO	*U	
TE1 (lab ref 339842)	Wastewater/Sewer	Ortho-phosphate (as PO4)	discrete	07.12.17	Monthly	100	All values < ELV	0.655	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D3000	
TE1 (lab ref 339842)	Wastewater/Sewer	pH	discrete	07.12.17	Monthly	6-10	All values < ELV	7.82	pH units	yes	INSTRUMENTAL METHODS	ISO	D/D1041	
TE1 (lab ref 339842)	Wastewater/Sewer	Sulphate	discrete	07.12.17	Monthly	500	All values < ELV	30.047	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D3000	
TE1 (lab ref 339842)	Wastewater/Sewer	Suspended Solids	discrete	07.12.17	Monthly	2,000	All values < ELV	276	mg/L	yes	INSTRUMENTAL METHODS	ISO	D/D1049	

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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

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Continuous monitoring

		Additional Information
5	Does your site carry out continuous emissions to water/sewer monitoring?	Yes — monthly monitoring to sewer, daily monitoring to storm water

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**	No	na
7	Do you have a proactive service contract for each piece of continuous monitoring equipment on site?	Yes	annual calibration by independent party
8	Did abatement system bypass occur during the reporting year? **If yes please complete table W5 below**	No	

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
na	NA	NA	NA	NA	NA	NA	na	na	na	na	na
na	NA	NA	NA	NA	NA	NA	na	na	na	na	na
na	NA	NA	NA	NA	NA	NA	na	na	na	na	na

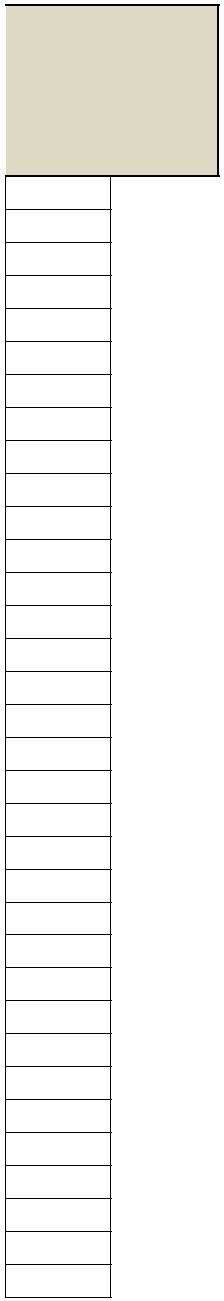
note 1: Volumetric flow shall be included as a reportable parameter.

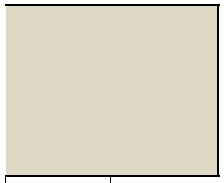
Table W5: Abatement system bypass reporting table

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

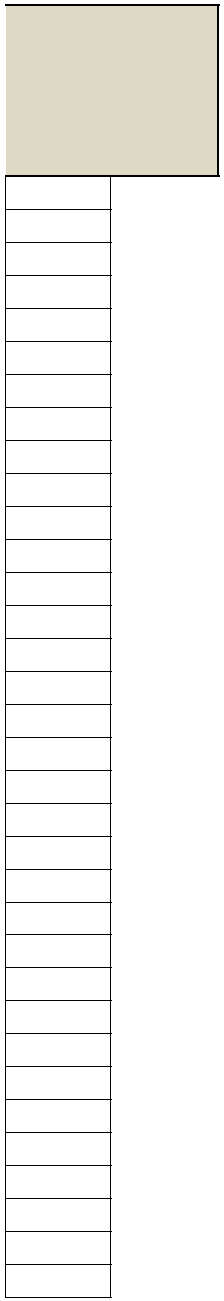
*Measures taken or proposed to reduce or limit bypass frequency

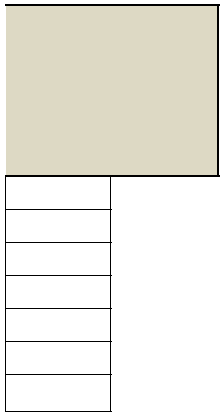
Comments





breach in mineral oil levels.





Bund/Pipeline testing template

Lic No: W0205-01 Year 2017

Bund testing — dropdown menu click to see options

			Additional information
1	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)	Yes	NA
2	Please provide integrity testing frequency period	3 years	NA
3	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)	Yes	NA
4	How many bunds are on site?	10	NA
5	How many of these bunds have been tested within the required test schedule?	3	the other 07 were bought new
6	How many mobile bunds are on site?	8	6 were bought brand new, and were accompanied with ceritificates from the supplier
7	Are the mobile bunds included in the bund test schedule?	Yes	NA
8	How many of these mobile bunds have been tested within the required test schedule?	8	NA
9	How many sumps on site are included in the integrity test schedule?	0	NA
10	How many of these sumps are integrity tested within the test schedule?	0	NA
	Please list any sump integrity failures in table B1	0	NA
11	Do all sumps and chambers have high level liquid alarms?	N/A	NA
12	If yes to Q11 are these failsafe systems included in a maintenance and testing programme?	N/A	NA
13	Is the Fire Water Retention Pond included in your integrity test programme?	N/A	NA

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)
Effluent Diesel Bund (B-1_17)	reinforced concrete	na	diesel fluid	45.2m³	44 m³	Structural assessment	Liquid tightness testing	19.12.17	Yes	Fail	visual seapage from base of bund wall following dye test	Relined	spring 2018	NOT COMPLETE
Twin IBC poly spill pallet (B-2_17)	prefabricated	plastic twin 1,000l bund	Add Blue	1,140 L	1,000L	Structural assessment	Liquid tightness testing	17.12.17	Yes	Pass	NA	NA	NA	NA
Mobile yellpw plastic bund (B_7_17	prefabricated	plastc, single mobile bund	hydraulic oil	1120L	1100 L	Structural assessment	Liquid tightness testing	11/04/2017	Yes	Pass	NA	NA	NA	NA
Mobile yellpw plastic bund (B_8_17)	prefabricated	plastc, single mobile bund	hydraulic oil	1120L	1100 L	Structural assessment	Liquid tightness testing	11/04/2017	Yes	Pass	NA	NA	NA	NA
Mobile yellpw plastic bund (B_9_17)	prefabricated	plastc, single mobile bund	Add Blue	1130L	1100L	Structural assessment	Liquid tightness testing	17.12.17	Yes	Pass	NA	NA	NA	NA
Sp_1-17 Spill tray	prefabricated	new spill tray bought in April 2017	oil barrels	250L	226 L	Structural assessment	Liquid tightness testing	11/04/2017	Yes	Pass	NA	NA	NA	NA
SP_2_17 SPILL TRAY	prefabricated	new spill tray bought in April 2017	detergents, hydraulic oil, grease	250L	226L	Structural assessment	Liquid tightness testing	11/04/2017		Pass	NA	NA	NA	NA
SP_3_17 Spill tray	prefabricated	new spill tray bought in April 2017	not in use, stored as spare	250L	220 L	Structural assessment	Liquid tightness testing	11/04/2017	Yes	Pass	NA	NA	NA	NA
SP_4_17 Spill tray	prefabricated	new spill tray bought in April 2017	hydraulic oils	250L	220 L	Structural assessment	Liquid tightness testing	11/04/2017	Yes	Pass	NA	NA	NA	NA

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

			Commentary
15	Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance? (bunding and storage guidelines)	Yes	na
16	Are channels/transfer systems to remote containment systems tested?	No	na
17	Are channels/transfer systems compliant in both integrity and available volume?	No	na

Pipeline/underground structure testing

1	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 withing the integrity test period as specified**	No	na
2	Please provide integrity testing frequency period	SELECT	na

*please note integrity testing means water tightness testing for process and foul pipelines (as required under your licence)

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)
NA		na	na	na	na	na	na	NA	NA	NA	na
NA		na	na	na	na	na	na	NA	NA	NA	na
NA		na	na	na	na	na	na	NA	NA	NA	na
NA		na	na	na	na	na	na	NA	NA	NA	na

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

Bund/Pipeline testing template	Lic No:	W0205-01	Year	2017	

Groundwater/Soil monitoring template	Lic No:	W0205-01	Year	2017

			Comments	
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	no	NA	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 interpretaion as an additional section in this AER
2	Are you required to carry out soil monitoring as part of your licence requirements?	no	NA	
3	Do you extract groundwater for use on site? If yes please specify use in comment section	no	NA	
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	NA	
5	Is the contamination related to operations at the facility (either current and/or historic)	N/A	NA	
6	Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	N/A	NA	
7	Please specify the proposed time frame for the remediation strategy	N/A	NA	
8	Is there a licence condition to carry out/update ELRA for the site?	N/A	NA	
9	Has any type of risk assesment been carried out for the site?	N/A	NA	
10	Has a Conceptual Site Model been developed for the site?	N/A	NA	
11	Have potential receptors been identified on and off site?	N/A	NA	
12	Is there evidence that contamination is migrating offsite?	N/A	NA	Please enter interpretation of data here

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
NA	NA	NA	NA	NA	NA	NA	SELECT	NA	NA	SELECT
NA	NA	NA	NA	NA	NA	NA	SELECT	NA	NA	SELECT

.+ 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
NA	NA	NA	NA	NA	NA	NA	SELECT	NA	NA	SELECT
NA	NA	NA	NA	NA	NA	NA	SELECT	NA	NA	SELECT

Groundwater/Soil monitoring template	Lic No:	W0205-01	Year	2017

*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.	Groundwater monitoring template
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)	Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites (EPA 2013).

**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)	Surface water EQS	Groundwater regulations GTV's	Drinking water (private supply) standards	Drinking water (public supply) standards	Interim Guideline Values (IGV)

Groundwater/Soil monitoring template	Lic No:	W0205-01	Year	2017

Table 3: Soil results

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

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

Environmental Liabilities template	Lic No:	W0205-01	Year: 2016	2017

Click here to access EPA guidance on Environmental Liabilities and Financial provision

			Commentary
1	ELRA initial agreement status	Submitted and agreed by EPA	na
2	ELRA review status	Review required and completed	na
3	Amount of Financial Provision cover required as determined by the latest ELRA	€1,320,917 €264,183	detailed costings Contingency @ 20%
4	Financial Provision for ELRA status	Submitted and agreed by EPA	na
5	Financial Provision for ELRA - amount of cover	€1.65 million	cramp and ELRA
6	Financial Provision for ELRA - type	bond	AIB 'On demand Performance Bond'.
7	Financial provision for ELRA expiry date	01/10/2019	na
8	Closure plan initial agreement status	Closure plan submitted and agreed by EPA	na
9	Closure plan review status	Review required and completed	na
10	Financial Provision for Closure status	Submitted and agreed by EPA	na
11	Financial Provision for Closure - amount of cover	€1.65 million	cramp and ELRA
12	Financial Provision for Closure - type	bond	AIB 'On demand
13	Financial provision for Closure expiry date	01/10/2019	NA

Environmental Management Programme/Continuous Improvement Programme template

Lic No: W0205-01 Year 2017

	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	The EMS is designed around ISO 14001 standards
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	There are management programmes in place to control impacts on all identified environmental aspects.
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	yes. The effectiveness of the EMP is reviewed on a monthly basis and considers all complaints, non compliances, actions and CAPA identified withing each month
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	records are available upon request

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Waste reduction/Raw material usage efficiency	Significantly reduce the amount of material being sent to Landfill, by ensure the most efficient and environmentally sustainable management of client waste streams.	90	1. The company started to produce RDF in 2012, and since then, Greyhound Recycling and Recovery have increased the number of energy recovery outlets.This helped reduce the volume of stock on site, and shorten storage times of odourous or combustible material on site.	General Manager/ Managing Director	To reduce the volume of materials on site as part of the overall program to reduce the odour load and ensure the effective treatment of air extracted from MRB2. Lower volumes of stock within the Recovery Sheds are also very important for the reviewed Fire Management Plan, and the Waste Strage Plan.
Reduction of emissions to Air	Reduce significantly the number of odour complaints for the site	100	1. Continued quarterly monitoring of Odour Abatement System, and functionaltiy review of System performance and efficiency. 2. Reduction of stock within MRB2 to reduce odour concentration of extract air flow to odour abatement system. 3. Increased Stock rotation internally, to reduce rate of metabolic breakdown of stock, and reduce odour units emitted. 4. Optimisation of system parameter settings, to ensure Odour Abatement System is operating to full efficiency. 5. Decreased parking times of vehicles in yard, to decrease	Managing Director, EHS Officer	1. Differential and Static pressures measured in (pa) mapped on excel spreadsheet, for trend analysis. Aim is to identify trends or signs of stress on the system, indicating the need for a media change, or filter cleaning. It may also show relationship between stock levels and emission concentration. 2. energy efficiency of odour abatement system is reviewed, to ensure that energy is not wasted in running thesystem on a daily basis.

Environmental Management Programme/Continuous Improvement Programme template			Lic No:	W0205-01	Year 2017
Additional improvements	Damaged hardstanding in places around the site have been mended to protect surface water runoff, and bolder clay under hardstanding.	20	1. Identified areas for further concrete improvement works and conduct repairs to yard as required as part of the concrete management plan. 2. Structural engineer contracted to determine aeas where reinforced concrete or steel plating required	Facility Supervisor	1. Concrete management plan in place. 2. Time schedule made for areas, prioritised by risk to environment.
Additional improvements	Introduction of Waste Storage Plan, defining storage times, stock heights and volumes, into Storage bays of fixed dimensions.	70	1. Seggregatpeion of residual material by type. 2. Identification of primary components for high grade SRF production. 3. Improved seggregation and bulking of ferrous and non-ferrous metals, andincreased revenue from the transfer of metals to other recovery facilities.	EHS Officer, facility manager	Improved fire safety precautions and upgrade of fire management plan
ISO 14001	Achieve ISO 14001 acredditation for EMS System	20	Update all SOP's, ensure all management systems are effective and relevant	EHS Compliance Team	Increased compliance with licence conditions
Additional improvements	updated EMS to include daily compliance checks, permit workbooks, increased logbooks for operators, and 'daily scanned reports' to EMS	90	1. All laboratory instruments have been calibrated to ensure reliable results. 2. addition of ph to daily storm water monitoring. 3. Improved documentation of	EHS Officer	Improved Environmental Management Practices

Noise monitoring summary report	Lic No:	W0205-01	Year	2017

1	Was noise monitoring a licence requirement for the AER period? If yes please fill in table N1 noise summary below		Yes
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	Yes
3	Does your site have a noise reduction plan		No
4	When was the noise reduction plan last updated?		na
5	Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?		No

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)?
	25.09.17	annual	odour abatement System		60.4	79.33	na	55.6	No	no	odour abatement system was not audible with limited traffic	No
	25.09.17	annual	Enterance Gates N1 A		69.3	102.5	66.6	50.5	No	no	traffic noises fromindustrial estate have influence on readings	No
69	25.09.17	annual	Enterance Gates N1 B		56.7	76	59.1	50.5	No	no	traffic noises fromindustrial estate have influence on readings	No
	25.09.17	annual	Enterance Gates N1 C		57	74.8	59.6	50.6	No	no	traffic noises fromindustrial estate have influence on readings	No
	25.09.17	annual	Enterance Gates N1 D		54.4	60.1	55.5	53.4	No	no	traffic noises fromindustrial estate have influence on readings	No
	25.09.17	annual	Enterance Gates N1 E		53.1	77.1	54.2	47	No	no	traffic noises fromindustrial estate have influence on readings	No
	25.09.17	annual	Eastern Site Boundary N2A		56.3	82	58.7	51.5	No	no	traffic noises fromindustrial estate have influence on readings	No
	25.09.17	annual	Eastern Site Boundary N2B		59.4	78.1	62.4	53.5	No	no	traffic noises fromindustrial estate have influence on readings	No
	25.09.17	annual	Eastern Site Boundary N2C		59.6	79.3	62.2	54.6	No	no	traffic noises fromindustrial estate have influence on readings	No
	25.09.17	annual	Eastern Site Boundary N2D		48.7	56.9	49.2	47.7	No	no	traffic noises fromindustrial estate have influence on readings	No
	25.09.17	annual	Eastern Site Boundary N2E		50.5	66.3	52.8	47.5	No	no	traffic noises fromindustrial estate have influence on readings	No
	25.09.17	annual	Southwest boundary N3A		55.8	67.6	56.7	54.9	No	No	Main noise sources from mobile plant on site	No
	25.09.17	annual	Southwest boundary N3B		55.7	73	56.2	55	No	No	Main noise sources from mobile plant on site	No
	25.09.17	annual	Southwest boundary N3C		55.7	82.8	56.1	54.7	No	No	Main noise sources from mobile plant on site	No
	25.09.17	annual	Southwest boundary N3D		54.2	60.2	55.3	52.8	No	No	Main noise sources from mobile plant on site	No

25.09.17	annual	Southwest boundary N3E		51.2	67.5	53.6	47.9	No	No	Main noise sources from mobile plant on site	No
25.09.17	annual	Palmerstown Woods N4A		61.2	81.1	60.7	54.1	No	No	No audible noise detected from site activities. Main noise source from traffic adjacent to Station Road, and m50.	No
25.09.17	annual	Palmerstown Woods N4B		59	74.6	61.5	55.6	No	No	No audible noise detected from site activities. Main noise source from traffic adjacent to Station Road, and m50.	No
25.09.17	annual	Palmerstown Woods N4C		59.9	76.8	64.2	56.4	No	No	No audible noise detected from site activities. Main noise source from traffic adjacent to Station Road, and m50.	No
25.09.17	annual	Palmerstown Woods N4D		52.5	46.3	54.1	74.1	No	No	No audible noise detected from site activities. Main noise source from traffic adjacent to Station Road, and m50.	No
25.09.17	annual	Palmerstown Woods N4E		52.5	44.5	52.8	73.2	No	No	No audible noise detected from site activities. Main noise source from traffic adjacent to Station Road, and m50.	No
25.09.17		James Connolly Park N5A		58.7	71.7	62.6	50.2	No	No	No audible noise detected from site activities. Main noise source from traffic on Station Road and Ninth Lock Road.	No
25.09.17		James Connolly Park N5B		58.4	71.8	62.4	50.6	No	No	No audible noise detected from site activities. Main noise source from traffic on Station Road and Ninth Lock Road.	No
25.09.17		James Connolly Park N5C		59.4	70.1	63.7	51.4	No	No	No audible noise detected from site activities. Main noise source from traffic on Station Road and Ninth Lock Road.	No
25.09.17		James Connolly Park N5D		52.9	79.4	52.8	46	No	No	No audible noise detected from site activities. Main noise source from traffic on Station Road and Ninth Lock Road.	No
25.09.17		James Connolly Park N5E		51.4	69.8	53.1	45.6	No	No	No audible noise detected from site activities. Main noise source from traffic on Station Road and Ninth Lock Road.	No

*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? nothing**

Action to reduce noise, was not taken, as the source of of activity related noise was determined as the odour abatement system, and taffic entering and leaving the site. There would be no cost effective way to reduce noise of these operations, without risking efficiency or functionality of both the scales,
NA

Resource Usage/Energy efficiency summary	Lic No:	W0205-01	Year	2017

			Additional information
1	When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below	10/11/2016	NA
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	No	NA
3	Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information	No	NA

SEAI - Large Industry Energy Network (LIEN)

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)	na	NA	na	NA
Total Energy Generated (MWHrs)	NA	NA		NA
Total Renewable Energy Generated (MWHrs)	NA	NA		NA
Electricity Consumption (MWHrs)	2,661.84	2,661.84	24%	NA
Fossil Fuels Consumption:	NA	NA		NA
Heavy Fuel Oil (m3)	169.81	152.1	-10%	NA
Light Fuel Oil (m3)	NA	NA		NA
Natural gas (m3)	NA	NA		NA
Coal/Solid fuel (metric tonnes)	NA	NA		NA
Peat (metric tonnes)	NA	NA		NA
Renewable Biomass	NA	NA		NA
Renewable energy generated on site	NA	NA		NA

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

Resource Usage/Energy efficiency summary				Lic No:	W0205-01		Year	2017
Public supply	3750	5,904.08	36.50%	na	NO trade effluent is re	na	As there is not a flow meter installed in the Trade effluent line, the volume of effluent leaving the site, versus volume extracted onto the site cannot be determined. This increase of 36.5% is based on water from the public suppply entering the facility for use, but in domestic canteens, washing machines and the power washer.
Recycled water	NA	NA	NA	NA	NA	NA	NA
Total	3750	5,904.08	36.50%	NA	NA	NA	NA

* 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)	na	na	na	na	na
Non-Hazardous (Tonnes)	na	na	na	na	na

Resource Usage/Energy efficiency summary Lic No: W0205-01 Year 2017

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
na	na	na	SELECT	na	na	na	na	na
na	na	na	SELECT	na	na	na	na	na
na	na	na	SELECT	na	na	na	na	na

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	na	na	na	na	na
Primary Fuel	na	na	na	na	na
Thermal Efficiency	na	na	na	na	na
Unit Date of Commission	na	na	na	na	na
Total Starts for year	na	na	na	na	na
Total Running Time	na	na	na	na	na
Total Electricity Generated (GWH)	na	na	na	na	na
House Load (GWH)	na	na	na	na	na
KWH per Litre of Process Water	na	na	na	na	na
KWH per Litre of Total Water used or	na	na	na	na	na

Complaints and Incidents summary template Lic No: WI0205-01 Year 2017

Complaints

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	SELECT	Additional information: Odour & Flies

Table 1 Complaints summary

Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective actionc 20 words	Resolution status	Resolution date	Further information
25.01.17	Air	flies	mitigation of flies from waste shed 1 to nearby printing	investigation determined that large stock levels of dross was causing the issue, and there may be some link between the flies	Complete	28/01/2017	Management Plan was revised to include MRB1, as part of the
25.01.17	Air	flies	possible influx in the mitigation of flies from waste shed 1 to nearby printing factories	investigation determined that large stock levels of dross was causing the issue, and there may be some link between the flies and the solvents used in the printing factories. Increased thermal fogging treatments were carried out in Shed 1.	Complete	28/01/2017	the same individual placed five complaints on the same day, so the same corrective action was determined. The Pest Control Management Plan was revised to address the issue
25.01.17	Air	flies	possible influx in the mitigation of flies from waste shed 1 to nearby printing factories	investigation determined that large stock levels of dross was causing the issue, and there may be some link between the flies and the solvents used in the printing factories. Increased thermal fogging treatments were carried out in Shed 1.	Complete	28/01/2017	the same individual placed five complaints on the same day, so the same corrective action was determined. The Pest Control Management Plan was revised to
25.01.17	Air	flies	possible influx in the mitigation of flies from waste shed 1 to nearby printing factories	investigation determined that large stock levels of dross was causing the issue, and there may be some link between the flies and the solvents used in the printing factories. Increased thermal fogging treatments were carried out in Shed 1.	Complete	28/01/2017	the same individual placed five complaints on the same day, so the same corrective action was determined. The Pest Control Management Plan was revised to address the issue
01.02.17	Air	flies	The thermal fogging treatments carried out on 28th January were unseuccessful, and influx of flies to neighbouring printing premesis continued	Plans to destroy the dross stock were made to decrease the stock levels inside MRB1, and to reduce the flies	Complete	10/03/2017	All dross stock was consumed in the process of SRF. Due to the scheduled shut sown of the kilns in Irish Cement, there were no available outlets to move the dross to, as Covanta was not operational at this time, and Greyhound did not have a contingency outlet.
15.02.17	Air	flies	continuous treatments were unsuccesful duetto voluem of stock present in the shed, and influx of flies to neighbouring printing premesis continued	Plans to destroy the dross stock were made to decrease the stock levels inside MRB1, and to reduce the flies	Complete	10/03/2017	All dross stock was consumed in the process of SRF. Due to the scheduled shut sown of the kilns in Irish Cement, there were no available outlets to move the dross to, as Covanta was not operational at this time, and Greyhound did not have a contingency outlet.
09.03.17	Air	flies	Bales of dross were being transferred from Shed 1 to Shed 2 for processing.	Plans to destroy the dross stock were made to decrease the stock levels inside MRB1, and to reduce the flies	Complete	11/03/2017	All dross stock was consumed in the process of SRF. Due to the scheduled shut sown of the kilns in Irish Cement, there were no available outlets to move the dross to, as Covanta was not operational at this time, and Greyhound did not have a contingency outlet.
19.04.17	Air	Odour	Operators were loading bales on trailers outside Door 7. As a result, the Intake door was open for too long periods of time	SOP's were revised to ensure that all operators were aware that the outdoor movement of bales is prohibited. All intake doors on Shed 1 and Shed 2 were automated, with self closing sensors to	Complete	12/03/2017	Numerous incidents with the automated doors occurred over the following months, due to drivers rushing and racing the timer. Traffic lights were installed on the
04.07.17	Air	flies	investigation was opened to determine the source of flies from the complainant. No evidence was found that would suggest the flies were coming from Greyhound Recycling.	treatments continued as per the scheduled plan in the Pest Contol Management Plan	Complete	27.04.17	NA

Total complaints open at start of reporting year	0
Total new complaints received during	9
Total complaints closed during reporting year	9
Balance of complaints end of reporting year	0

Incidents

Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year	SELECT	Additional information
*For information on how to report and what	What is an incident	

Table 2 Incidents summary

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
04/01/2017	Fire	Other location (please specify here) SRF Outfeed Conveyor	1. Minor	No Uncontrolled release	Other (add details)	spark caused by tr	Normal activities
09/05/2017	Breach of ELV	Licenced discharge point (TE1)	1. Minor	Sewer	Other (add details)	Contamination caused by random sampling	Normal activities
16/08/2017	Breach of ELV	Licenced discharge point (TE1)	1. Minor	Sewer	Other (add details)	Contamination caused by random sampling	Normal activities

Total number of incidents current year	3
Total number of incidents previous year	2
% reduction/ increase	33 % increase

Complaints and Incidents summary template	Lic No:	W0205-01	Year	2017

Communication	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Likelihood of reoccurence
Local Authorities	New	independent analysis of trade effluent samples showed no reoccurance of incident.	Continuous monitorring and monthly cleaning of interceptor.	Complete	19/05/2016	Low
EPA	New	Control panel was diverted to main main electricity supply, allowing a vasriable fan speed of 50 hz.	Daily functionality checks are carried out on the Odour Abatement System, and independent Quarterly assessment are carried out by Odour Monitor Ireland.	Ongoing	ongoing	Low
SELECT	SELECT			SELECT		SELECT
SELECT	SELECT			SELECT		SELECT
SELECT	SELECT			SELECT		SELECT

WASTE SUMMARY Lic No: W0205-01 Year 2017

SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES PRTR facility logon dropdown list click to see options

SECTION B- WASTE ACCEPTED ONTO SITE-TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES

			Additional Information
1	Were any wastes accepted onto your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility ?; (waste generated within your boundaries is to be captured through PRTR reporting) If yes please enter details in table 1 below	Yes	na
2	Did your site have any rejected consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information	Yes	na
3	Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information	No	na

Table 1 Details of waste accepted onto your site for recovery, disposal or treatment (do not include wastes generated at your site, as these will have been reported in your PRTR workbook)

Licenced annual tonnage limit for your site (total tonnes/annum)	EWC code European Waste Catalogue EWC codes	Source of waste accepted	Description of waste accepted **Please enter an accurate and detailed description - which applies to relevant EWC code** European Waste Catalogue EWC codes	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/ Increase over previous year +/ - %	Reason for reduction/ increase from previous reporting year	Packaging Content (%)- only applies if the waste has a packaging component	Disposal/Recovery or treatment operation carried out at your site and the description of this operation	Quantity of waste remaining on site at the end of reporting year (tonnes)	Comments -
250,000	*03 01 05*	*03- WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD*	sawdust	*2.26*	0	100% increase	*2017 was the first year sawdust was accepted*	*0%*	*R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials*	*0*	*NA*
	15 01 01	*15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED*	occ	*25.44*	11.1	56.4% increase	*increased household collections of MDR*	*95%*	*R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)*	*0*	*incoming plastic packaging was bulked and sent for further processing i.e. transform to dross bales for SRF production*
	15 01 02	*15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED*	plastic packaging	*1807.74*	*210.64*	88.4% increase	*increased commercial customer base.*	*95%*	*R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)*	*0*	*incoming plastic packaging was bulked and sent for further processing i.e. transform to dross bales for SRF production*
	15 01 06	*15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED*	mixed packaging	*21,602.89*	14656.3	32.2% increase	*increased commercial customer base, and increase in customer recycling rates.*	*95%*	*R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)*	*0*	*incoming plastic packaging was bulked and sent for further processing i.e. transform to dross bales for SRF production*
	17 4 07	*17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)*	metal	*4.12*	1982.86	80.2% decrease	*weighbridge records recorded more Bulky and C&D waste, in which the metal was included. This materal was not separated at source, and as such could be classified as 17 04 07.*	*2%*	*R4- Recycling/reclamation of metals and metal compounds*	*0*	*waste metal was bulked, shredded to improve quality, and send to other facilities for further processing*

WASTE SUMMARY					Lic No:	W0205-01	Year	2017			
	17 06 04	*17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)*	foam	*1.26*	0	100% increase	*2017 was the first year sawdust was accepted*	*0%*	*R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials*	*0*	*NA*
	17 09 04	*17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)*	mixed c&d	*1,155.02*	1,982.86	41.8% decrease	less C&D intake due to increase in Bulky waste	*15%*	*R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials*	*0*	*NA*
	19 12 02	*19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE*	Ferrous metal	*4.32*	0	100% increase	*increase incustomer base*	*1%*	*R4- Recycling/reclamation of metals and metal compounds*	*0*	*waste metal was bulked, shredded to improve quality, and send to other facilities for further processing*
	19 12 04	*19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE*	hard plastic	10.18	0	100% increase	more accurate records, and assignemtn of LOW codes applied to material coming into crag from last year. Increase in bulky waste incoming. And C&D.	*20%*	*R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials*	*0*	*NA*
	19 12 05	*19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE*	Contaminated glassq	*7.44*	0	100% increase	*new customer*	*1%*	*R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)*	*0*	*na*
	19 12 10	*19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE*	SRF/Residuals	*2839.86*	8.72	98%	*increased production of SRF for Quinn cementc aused demand for light Dross and residuals for SRF production*	*80%*	*R1-Use principally as a fuel or other means to generate energy*	*150 tonnes*	*na*
	19 12 12	*19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE*	dross	*14147*	5275.41	62.7% decrease	*with the increase of residuals coming in as 19 12 10, dross intake was decreased, as a result of a series of fly complaints received in the beginning of the eyar*	*80%*	*R1-Use principally as a fuel or other means to generate energy*	*80 tonnes*	*na*
	20 01 38	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	wood	*9.78*	240.12	96%	*wood material sent to more appropriate facilities*	*0%*	*R1-Use principally as a fuel or other means to generate energy*	*0*	*na*

WASTE SUMMARY						Lic No:	W0205-01	Year	2017			
	20 01 39	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	PET	*102*	0	100%	*New commercial customer*	*1%*	*R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)*	*30 tonnes*	*na*
	20 02 01	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	compost	*9426.36*	0	100%	*new transfer line nstalled in MRB2 in 2017*	*0%*	*R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asnother biological transformation processes)which includes gasification and pyrolisis*	*all compostable amterial coming into crag is transferred within 24 hours for further processing*	*NA*
	20 03 01	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	Mixed residual waste from household and commercial	*104220.56*	125331	16% decrease	*opening of Convanta saw less MMW available on the market during the second half of 2017*	*60%*	*R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials*	*na*	*na*
	20 03 01	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	MDR	*55.62*	235.99	76.4% decrease	*green rel colections tipped in MDR shed, and some tipped under 15 01 06.*	*60%*	*R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)*	*na*	*incoming plastic packaging was bulked and sent to Forgehill for further processing and transform to dross bales for SRF production*
	20 30 07	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	bulky	*2,766.20*	0	100% increase	*shortage og MMW opened a market for Bulky material for SRF/RDF production*	*25%*	*R1-Use principally as a fuel or other means to generate energy*	*na*	*na*

SECTION C-TO BE COMPLETED BY ALL WASTE FACILITIES (waste transfer stations, Composters, Material recovery facilities etc) EXCEPT LANDFILL SITES

4 Is all waste processing infrastructure as required by your licence and approved by the Agency in place? If no please list waste processing infrastructure required onsite	Yes	NA
5 Is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site	Yes	NA
6 Does your facility have relevant nuisance controls in place?	Yes	NA
7 Do you have an odour management system in place for your facility? If no why?	Yes	NA
8 Do you maintain a sludge register on site?	Yes	Interceptor Service Invoices.

SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY

Table 2 Waste type and tonnage-landfill only

Waste types permitted for disposal	Authorised/licenced annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)	Remaining licensed capacity at end of reporting year (m3)	Comments
na	na	na		na
na	na	na		na
na	na	na		na
na	na	na		na

Table 3 General information-Landfill only

Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	Inert or non-hazardous	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbestos?	Accepted asbestos in reporting year	Total disposal area occupied by waste	Lined disposal area occupied by waste	Unlined area

WASTE SUMMARY Lic No: W0205-01 Year 2017

										SELECT UNIT	SELECT UNIT	SELECT UNIT
	na	na	na	na	na	na	na	na	na	na	na	na

WASTE SUMMARY Lic No: W0205-01 Year 2017

Table 4 Environmental monitoring-landfill only

Landfill Manual-Monitoring Standards

Was meterological 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 S53(A)(5) of WMA been submitted in reporting year	Comments
na	na	na	na	na	na	na	na	na

.+ 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					
na	na	na	na	na	na	na

*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
na	na	na	na	na	na	na	na

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
na	na	na	na	na

Comments on liner type

na

Environmental Protection Agency

Guidance to completing the PRTR workbook

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR	2017

1. FACILITY IDENTIFICATION

Parent Company Name	Greyhound Recycling and Recovery
Facility Name	Greyhound Recycling & Recovery
PRTR Identification Number	W0205
Licence Number	W0205-01

Classes of Activity

No.	**class_name**
-	Refer to PRTR class activities below

Address 1	Crag Avenue
Address 2	Clondalkin Industrial Estate
Address 3	Clondalkin
Address 4	Dublin 22
	Dublin
Country	Ireland
Coordinates of Location	-6.38899 53.3323
River Basin District	IEEA
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
AER Returns Contact Name	Siobhán Kelly
AER Returns Contact Email Address	siobhan.kelly@greyhoundrecycling.com
AER Returns Contact Position	EHS Officer
AER Returns Contact Telephone Number	0870694748
AER Returns Contact Mobile Phone Number	0870694748
AER Returns Contact Fax Number	NA
Production Volume	158198.0
Production Volume Units	tonnes
Number of Installations	2
Number of Operating Hours in Year	29950
Number of Employees	80
User Feedback/Comments	
Web Address	www.greyhoundrecycling.com

2. PRTR CLASS ACTIVITIES

Activity Number	**Activity Name**
50.1	General
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) ?	NA
Is the reduction scheme compliance route being used ?	NA

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) ?	Yes

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

4.1 RELEASES TO AIR

Link to previous years emissions data

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR					Please enter all quantities in this section in KGs			
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					Please enter all quantities in this section in KGs			
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					Please enter all quantities in this section in KGs				
POLLUTANT		METHOD					QUANTITY		
			Method Used						
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	Emission Point 2	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
210	**Dust**	M	OTH	vdi 2119 Guidline standard	345.0	233.0	578.0	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: Greyhound Recycling & Recovery

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 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

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO WATERS	
POLLUTANT	
No. Annex II	Name

* Select a row by double-clicking on the Pollutant Name (Column B) th

SECTION B : REMAINING PRTR POLLUTANTS

RELEASES TO WATERS	
POLLUTANT	
No. Annex II	Name

* Select a row by double-clicking on the Pollutant Name (Column B) th

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

RELEASES TO WATERS	
POLLUTANT	
Pollutant No.	Name

* Select a row by double-clicking on the Pollutant Name (Column B) th

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT

			Please enter all quantities in this section in KGs	
	Method Used			
M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year
			0.0	0.0

en click the delete button

			Please enter all quantities in this section in KGs	
	Method Used			
M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year
			0.0	0.0

en click the delete button

			Please enter all quantities in this section in KGs	
	Method Used			
M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year
			0.0	0.0

en click the delete button

be submitted under AER / PRTR Reporting as this only concerns Releases from your facility

QUANTITY	
A (Accidental) KG/Year	F (Fugitive) KG/Year
0.0	0.0

QUANTITY	
A (Accidental) KG/Year	F (Fugitive) KG/Year
0.0	0.0

QUANTITY	
A (Accidental) KG/Year	F (Fugitive) KG/Year
0.0	0.0

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			
			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					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
			Method Used		TE1			
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
303	BOD	M	CRM	D1003	1360.0	1360.0	0.0	0.0
306	COD	M	CRM	D1009	3483.0	3483.0	0.0	0.0
308	Detergents (as MBAS)	M	CRM	S	8.424	8.424	0.0	0.0
332	Ortho-phosphate (as PO4)	M	CRM	D3000	16.42	16.42	0.0	0.0
343	Sulphate	M	CRM	D3000	372.84	372.84	0.0	0.0
363	Total Dissolved Solids	M	CRM	D1049	3408.0	3408.0	0.0	0.0
324	Mineral oils	M	CRM		36.9	36.9	0.0	0.0
314	**Fats, Oils and Greases**	M	CRM	S3208	49.385	49.385	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

SECTION A : PRTR POLLUTANTS

RELEASES TO LAND	
POLLUTANT	
No. Annex II	Name

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

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

RELEASES TO LAND	
POLLUTANT	
Pollutant No.	Name

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

			Please enter all quantities
METHOD			
	Method Used		
M/C/E	Method Code	Designation or Description	Emission Point 1
			0.0

) then click the delete button

			Please enter all quantities
METHOD			
	Method Used		
M/C/E	Method Code	Designation or Description	Emission Point 1
			0.0

) then click the delete button

in this section in KGs	
QUANTITY	
T (Total) KG/Year	A (Accidental) KG/Year
0.0	0.0

in this section in KGs	
QUANTITY	
T (Total) KG/Year	A (Accidental) KG/Year
0.0	0.0

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE | PRTR# : W0205 | Facility Name : Greyhound Recycling & Recovery | Filename : Anual Environmental Report 2017 AER_NOT prtr.xls | Return Year : 2017 | 07/02/2018 16:25

Please enter all quantities on this sheet in Tonnes 0

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	13 05 07	Yes	15.14	oily water from oil/water separators	R2	M	Weighed	Offsite in Ireland	Enva Ireland Limited,W0184-02	JFK Industrial Park, Dublin 22	ENVA Ireland Ltd ,WO184-01,Clonminam Industrial Estate Portlaoise Co Laois ,.,Portlaoise Co Laois ,.,Ireland	Clonminam Industrial Estate Portlaoise Co Laois ,.,Portlaoise Co Laois ,.,Ireland
Within the Country	15 01 03	No	14.56	wooden packaging	R3	M	Weighed	Offsite in Ireland	Clonmel Waste Disposal ,WM WP 08 02	23 Mitchell St ,.,Clonmel Co. Tipperary ,.,Ireland		
Within the Country	15 01 06	No	19846.58	mixed packaging	R5	M	Weighed	Offsite in Ireland	Forge Hill Recycling,W0291-01	Forge Hill Recycling Ltd.,Forge Hill ,Ballycurreen,Co. Cork,Ireland		
Within the Country	15 01 06	No	1479.74	mixed packaging	R5	M	Weighed	Offsite in Ireland	Dillon Waste ,W0184-01	The Kerries ,.,Tralee Co. Kerry ,.,Ireland		
Within the Country	15 01 06	No	41.72	mixed packaging	R5	M	Weighed	Offsite in Ireland	Ballymount MRF ,W0238-01	Merrywell Industrial Estate , Ballymount Road Lower ,Ballymount Dublin 12,.,Ireland		
Within the Country	17 04 07	No	4.12	mixed metals	R4	M	Weighed	Offsite in Ireland	A1 Metal Recycling Ltd,WFP-LS-14-0003-01	A1 Metal Recycling Ltd,Acragar ,Mountmellick ,Co. Laois,Ireland		
Within the Country	17 04 07	No	32.61	mixed metals	R4	M	Weighed	Offsite in Ireland	Hammond Lane Metal Co. ,WFP-DC-09-0013-01	Pigeon Hse rd Ringsend ,.,Dublin 4 ,.,Ireland		
Within the Country	17 09 04	No	850.52	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	R3	M	Weighed	Offsite in Ireland	AES Lusk,W0222-01	Coldwinters,Blakecross,Lusk, Dublin,Ireland		
Within the Country	17 09 04	No	19.1	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	R3	M	Weighed	Offsite in Ireland	AES Navan,W0131-02	Clonmagaddan ,Proudstown,Navan,Co. Meath ,Ireland		
Within the Country	19 12 02	No	1126.66	ferrous metal	R4	M	Weighed	Offsite in Ireland	Hammond Lane Metal Co. ,WFP-DC-09-0013-01	Pigeon Hse rd Ringsend ,.,Dublin 4 ,.,Ireland		
Within the Country	19 12 03	No	136.84	non-ferrous metal	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling Ltd,WFP-CN-15-0003-01	Wilton Waste Recycling Ltd,Kiffagh ,Crosserlough Ballyjamesduff ,Co. Cavan,Ireland		
Within the Country	19 12 04	No	730.64	plastic and rubber	R5	M	Weighed	Offsite in Ireland	Pacon Waste and Recycling Ltd,WFP-FG-14-0001-01	Stephenstown business Park,Balbriggan,balbriggan,Co. Dublin,Ireland		
Within the Country	19 12 04	No	5.32	plastic and rubber	R5	M	Weighed	Offsite in Ireland	Envirogreen Recycling,WCO-MH-10-0008-01	Armagh Road,Armagh,Co. Armagh,BT717NN,United Kingdom		
Within the Country	19 12 10	No	38919.54	combustible waste (refuse derived fuel)	R1	M	Weighed	Offsite in Ireland	Drogheda Port Company,WFP-LH-11-0006-01	Harbourville Morningtonn Road,.,Drogheda,.,Ireland	ENVA Ireland Ltd ,WO184-01,Clonminam Industrial Estate Portlaoise Co Laois ,.,Portlaoise Co Laois ,.,Ireland	Clonminam Industrial Estate Portlaoise Co Laois ,.,Portlaoise Co Laois ,.,Ireland
Within the Country	19 12 10	No	7957.44	combustible waste (refuse derived fuel)	R1	M	Weighed	Offsite in Ireland	Quinn Cement Ltd,PO378-02	Quinn Cement Ltd,Scotchtown ,Ballyconnell ,Co. Cavan,Ireland		
Within the Country	19 12 10	No	714.78	combustible waste (refuse derived fuel)	R1	M	Weighed	Offsite in Ireland	Padriag Thornton Waste Disposal,W0044-03	Kileen Rd,Ballyfermot,Dublin,D10,Ireland		
Within the Country	19 12 12	No	5629.48	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R3	M	Weighed	Offsite in Ireland	Bord na Mona PLC,W0201-01	Drehid Waste Management Facility,In the Townlands Parsonstown Louchnacush Kilkeaskin Drummond ,Timahoe West Coolcarrigan Kilinnagh lower and Kinllinagh Upper,Carbury Co. Kildare,Ireland		
Within the Country	19 12 12	No	774.86	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R3	M	Weighed	Offsite in Ireland	W0167-03,Indaver Ireland Ltd	Carranstown,Duleek,Duleek, Co. Meath,Ireland		
Within the Country	19 12 12	No	10460.16	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R3	M	Weighed	Offsite in Ireland	Miltown Composting Systems LTD,WP01902	Milltownmore,Fethard,Tipperary,.,Ireland		
Within the Country	19 12 12	No	1027.94	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R3	M	Weighed	Offsite in Ireland	Irish Packaging Recycling,w0263-01	Ballymount Road,.,Walkinstown ,Dublin 12,Ireland		
Within the Country	19 12 12	No	1889.56	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R3	M	Weighed	Offsite in Ireland	Padraig Thornton Waste Disposal Ltd,W0206-01	Padraig Thornton Waste Disposal Ltd,Dunboyne Industrial Estate ,Dunboyne Industrial Estate ,Co. Meath,Ireland		
Within the Country	19 12 12	No	19612.38	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R1	M	Weighed	Offsite in Ireland	Dublin Waste to Energy Ltd,W0232-01	Poolbeg ,Pigeon House Road,Poolbeg Pennisula,Dublin 4,Ireland		
Within the Country	19 12 12	No	8586.36	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R3	M	Weighed	Offsite in Ireland	Enrich Composting Facility ,WFP/MH/08/0001/01	.,.,Kilcock Co. Meath ,.,Ireland		
Within the Country	20 01 38	No	2.72	wood other than that mentioned in 20 01 37	R5	M	Weighed	Offsite in Ireland	Padraig Thornton Waste Disposal Ltd,W0206-01	Padraig Thornton Waste Disposal Ltd,Dunboyne Industrial Estate ,Dunboyne Industrial Estate ,Co. Meath,Ireland		
Within the Country	20 02 01	No	8953.7	biodegradable waste	R3	M	Weighed	Offsite in Ireland	Padriag Thornton Waste Disposal,W0044-03	Kileen Rd,Ballyfermot,Dublin,D10,Ireland		
Within the Country	20 03 01	No	169.24	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Ballynagran Landfill Limited,W0165-02	Ballynagran ,Coolbeg ,Kilcandra,Co. Wicklow,Ireland		
Within the Country	20 03 01	No	2726.58	mixed municipal waste	R3	M	Weighed	Offsite in Ireland	Bord na Mona PLC,W0201-01	Drehid Waste Management Facility,In the Townlands Parsonstown Louchnacush Kilkeaskin Drummond ,Timahoe West Coolcarrigan Kilinnagh lower and Kinllinagh Upper,Carbury Co. Kildare,Ireland	, , , , , ,Ireland	, , , ,Ireland
Within the Country	20 03 01	No	297.72	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Knockharley Landfill Ltd,W0146-03	Knockharley Landfill Ltd,KNOCKHARLEY ,Navan,Co. Meath ,Ireland		
Within the Country	20 03 01	No	3871.62	mixed municipal waste	R1	M	Weighed	Offsite in Ireland	Dublin Waste to Energy Ltd,W0232-01	Poolbeg ,Pigeon House Road,Poolbeg Pennisula,Dublin 4,Ireland		
Within the Country	20 03 01	No	18596.3	mixed municipal waste	R5	M	Weighed	Offsite in Ireland	Padriag Thornton Waste Disposal,W0044-03	Kileen Rd,Ballyfermot,Dublin,D10,Ireland		

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

Link to previous years waste data
Link to previous years waste summary data & percentage change
Link to Waste Guidance