Facility Information Summary	
AER Reporting Year	2013
Licence Register Number	W0152-03
Name of site	Oxigen Environmental (Robinhood)
Site Location	Robinhood Industrial Estate, Ballymount, Dublin 22
NACE Code	
Class/Classes of Activity	(Licence Activities)11, 12, 13,
National Grid Reference (6E, 6 N)	E309466 N231082
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.	Oxigen Environmental Limited holds EPA Waste Licence Register Number W0152-03 to operate a Waste Transfer Station at the Robinhood Industrial Estate, Robinhood Road, Ballymount, Dublin 22. In accordance with the requirements of Condition 11.9 of the Waste Licence, an Annual Environmental Report (AER) for the facility must be submitted to the Environmental Protection Agency (EPA).

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

AIR-summary template

Lic No: W0152-03 Year 2013

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	SELECT	

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	SELECT	
3	Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? Basic air monitoring checklist AGN2	SELECT	

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	Total Particulates	Quarterly	350	100 % of values < ELV	135.1	mg/m2/day	yes	ALT	51.19	
D2	Total Particulates	Quarterly	350	100 % of values < ELV	182.1	mg/m2/day	yes	ALT	68.99	
D2	Total Particulates	Quarterly	350	100 % of values < ELV	196.3	mg/m2/day	yes	ALT	74.36	
Emmission Point A	Mercaptans	Monthly	5ppm	100 % of values < ELV	<0.5	ppm	yes	ALT		
Emmission Point A	Hydrogen Sulphide	Monthly	5ppm	100 % of values < ELV	<0.5	ppm	yes	ALT		
Emmission Point A	Ammonia	Monthly	50ppm	100 % of values < ELV	<5	ppm	yes	ALT		
Emmission Point B	Mercaptans	Monthly	5ppm	100 % of values < ELV	<0.5	ppm	yes	ALT		

AIR-summary template					Lic No:	W0152-03		Year	2013	
Emmission Point B	Hydrogen Sulphide	Monthly	5ppm	100 % of values < ELV	<0.5	ppm	yes	ALT		
Emmission Point B	Ammonia	Monthly	50ppm	100 % of values < ELV	<5	ppm	yes	ALT		
Emmission Point C	Mercaptans	Monthly	5ppm	100 % of values < ELV	<0.5	ppm	yes	ALT		
Emmission Point C	Hydrogen Sulphide	Monthly	5ppm	100 % of values < ELV	<0.5	ppm	yes	ALT		
Emmission Point C	Ammonia	Monthly	50ppm	100 % of values < ELV	<5	ppm	yes	ALT		

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

AIR-summary template	Lic No:	W0152-03	Year	2013

Continuous Monitoring

4	Does your site carry out continuous air emissions monitoring?	SELECT	
	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	SELECT	
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	SELECT	
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

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

Table A3: Abatement system bypass reporting table

Bypass protocol

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

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

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

AIR-summary template Lic No: W0152-03 Year 2013

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

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
					SELECT
					SELECT

Table A5: Solvent Mass Balance summary

	(I) Inputs (kg)	(O) Outputs (kg)						
Solvent	(I) Inputs (kg)	Organic solvent	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways	Solvents destroyed onsite	Total emission of
							Total	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0152-03 Year 2013

			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	SELECT	
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	SELECT	

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	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	

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

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

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

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

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

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)	Comments
	Wastewater/Sewer	Temperature	discrete	Monthly	Monthly	42	All values < ELV	15.01	degrees C	yes	INSTRUMENTAL METHODS	I.S. (Irish Standard)	APHA- 2550-B		
	Wastewater/Sewer	pH	discrete	Monthly	Monthly	6-10	All values < ELV	6.84	pH units	yes	INSTRUMENTAL METHODS	I.S. (Irish Standard)	APHA-4500-H+		

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0152-03 Year 2013

	Wastewater/Sewer	BOD	discrete	Monthly	Monthly	1000	All values < ELV	136.11	mg/L	yes	INSTRUMENTAL METHODS	I.S. (Irish Standard)	APHA-5210-B	177.6	
	Wastewater/Sewer	COD	discrete	Monthly	Monthly	3000	All values < ELV	847.86	mg/L	yes	INSTRUMENTAL METHODS	I.S. (Irish Standard)	APHA-5220-D	1106	
	Wastewater/Sewer	Suspended Solids	discrete	Monthly	Monthly	1000	All values < ELV	293.76	mg/L	yes	INSTRUMENTAL METHODS	I.S. (Irish Standard)	APHA-2540-D	383.4	
	Wastewater/Sewer	Sulphate	discrete	Monthly	Monthly	1000	All values < ELV	17.26	mg/L	yes	INSTRUMENTAL METHODS	I.S. (Irish Standard)	APHA-4110-B	22.53	
	Wastewater/Sewer	Fats, Oils and Greases	discrete	Monthly	Monthly	100	All values < ELV	203.49	mg/L	no (If no please enter details in	INSTRUMENTAL METHODS	I.S. (Irish Standard)	APHA-5520-B	265.6	
	Wastewater/Sewer	Mineral oils	discrete	Monthly	Monthly	10	All values < ELV	0.1	mg/L	yes	INSTRUMENTAL METHODS	I.S. (Irish Standard)	GC-MS	0.1	
	Wastewater/Sewer	Detergents (as MBAS)	discrete	Monthly	Monthly	100	All values < ELV	0.07	mg/L	yes	INSTRUMENTAL METHODS	I.S. (Irish Standard)	APHA-5540-C	0.09	
	Water	Temperature	discrete	Monthly	Monthly		All values < ELV	14.06	degrees C	yes	INSTRUMENTAL METHODS	I.S. (Irish Standard)	APHA- 2550-B		
	Water	pH	discrete	Monthly	Monthly		All values < ELV	6.82	pH units	yes	INSTRUMENTAL METHODS	I.S. (Irish Standard)	APHA-4500-H+		
	Water	Conductivity	discrete	Monthly	Monthly		All values < ELV	1080.6	mg/L	yes	INSTRUMENTAL METHODS	I.S. (Irish Standard)	APHA-2510-B	2318	
	Water	BOD	discrete	Monthly	Monthly		All values < ELV	133.08	mg/L	yes	INSTRUMENTAL METHODS	I.S. (Irish Standard)	APHA-5210-B	285.4	
	Water	COD	discrete	Monthly	Monthly		All values < ELV	468.2	mg/L	yes	INSTRUMENTAL METHODS	I.S. (Irish Standard)	APHA-5220-D	1004	
	Water	Suspended Solids	discrete	Monthly	Monthly		All values < ELV	83.3	mg/L	yes	INSTRUMENTAL METHODS	I.S. (Irish Standard)	APHA-2540-D	178.7	
	Water	Ammonia (as N)	discrete	Monthly	Monthly		All values < ELV	31.12	mg/L	yes	INSTRUMENTAL METHODS	I.S. (Irish Standard)	APHA- 4500-NH3-	66.75	
	Water	Mineral oils	discrete	Monthly	Monthly		All values < ELV	4.57	mg/L	yes	INSTRUMENTAL METHODS	I.S. (Irish Standard)	GC-MS	9.81	
	Water	Sulphate	discrete	Monthly	Monthly		All values < ELV	33.16	mg/L	yes	INSTRUMENTAL METHODS	I.S. (Irish Standard)	APHA-4110-B	71.12	
	Water	Total nitrogen	discrete	Monthly	Monthly		All values < ELV	36.8	mg/L	yes	INSTRUMENTAL METHODS	I.S. (Irish Standard)	APHA-4500-N-C	78.92	
	Water	Chlorides (as Cl)	discrete	Monthly	Monthly		All values < ELV	53.33	mg/L	yes	INSTRUMENTAL METHODS	I.S. (Irish Standard)	APHA-4110-B	114.4	

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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0152-03 Year 2013

Continuous monitoring

		Additional Information
5	Does your site carry out continuous emissions to water/sewer monitoring?	SELECT

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**	SELECT
7	Do you have a proactive service contract for each piece of continuous monitoring equipment on site?	SELECT
8	Did abatement system bypass occur during the reporting year? **If yes please complete table W5 below**	SELECT

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	Comments
	SELECT	SELECT		SELECT	SELECT	SELECT					
	SELECT	SELECT		SELECT	SELECT	SELECT					

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

Table W5: Abatement system bypass reporting table

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

*Measures taken or proposed to reduce or limit bypass frequency

Bund/Pipeline testing template	Lic No:	W0152-03	Year	2013	

Bund testing — dropdown menu click to see options

			Additional information
	Are you required by your licence to undertake integrity testing on bunds and containment structures ? if yes please fill out table B1 below listing all **new bunds and containment structures** on site, in addition to **all bunds which failed** the integrity test-**all bunding structures which failed including mobile bunds must be**		
1	**listed in the table below, please include all bunds outside the licenced testing period** (mobile bunds and	No	
2	Please provide integrity testing frequency period	3 years	
	Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks,		
3	sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)	No	
4	How many bunds are on site?	0	
5	How many of these bunds have been tested within the required test schedule?	0	
6	How many mobile bunds are on site?	1	
7	Are the mobile bunds included in the bund test schedule?	Yes	
8	How many of these mobile bunds have been tested within the required test schedule?	1	
9	How many sumps on site are included in the integrity test schedule?	0	
10	How many of these sumps are integrity tested within the test schedule?	0	
	Please list any sump integrity failures in table B1		
11	Do all sumps and chambers have high level liquid alarms?	N/A	
12	If yes to Q11 are these failsafe systems included in a maintenance and tes	N/A	
13	Is the Fire Water Retention Pond included in your integrity test programme?	N/A	

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

Bund/Pipeline testing template

Lic No: W0152-03 Year 2013

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)
	SELECT					SELECT			SELECT	SELECT		SELECT		
	SELECT					SELECT			SELECT	SELECT		SELECT		

* 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	bunding and storage guidelines	SELECT	
16	Are channels/transfer systems to remote containment systems tested?		SELECT	
17	Are channels/transfer systems compliant in both integrity and available volume?		SELECT	

e/underground structure

	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**		
1	**failed the integrity test and all which have not been tested withing the integrity test period as specified**	SELECT	
2	Please provide integrity testing frequency period	SELECT	

*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 tes

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	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT				SELECT

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

Groundwater/Soil monitoring template	Lic No:	W0152-03	Year	2013

			Comments	
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	SELECT		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?	SELECT		
3	Do you extract groundwater for use on site? If yes please specify use in comment section	SELECT		
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	SELECT		
5	Is the contamination related to operations at the facility (either current and/or historic)	SELECT		
6	Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	SELECT		
7	Please specify the proposed time frame for the remediation strategy	SELECT		
8	Is there a licence condition to carry out/update ELRA for the site?	SELECT		
9	Has any type of risk assesment been carried out for the site?	SELECT		
10	Has a Conceptual Site Model been developed for the site?	SELECT		
11	Have potential receptors been identified on and off site?	SELECT		
12	Is there evidence that contamination is migrating offsite?	SELECT		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
							SELECT			SELECT
							SELECT			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

Groundwater/Soil monitoring template					Lic No:	W0152-03		Year	2013		
								SELECT			SELECT
								SELECT			SELECT

*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)

idance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites (EPA 201

**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: W0152-03 Year 2013

Table 3: Soil results

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

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

Environmental Liabilities template	Lic No:	W0152-03	Year	2013

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

			Commentary
1	ELRA initial agreement status	Required but not submitted	
2	ELRA review status	Review required and not completed;	
3	Amount of Financial Provision cover required as determined by the latest ELRA	TBC	
4	Financial Provision for ELRA status	Required but not submitted	
5	Financial Provision for ELRA - amount of cover	Specify	
6	Financial Provision for ELRA - type	Other please specify	
7	Financial provision for ELRA expiry date	TBC	TBC in CRAMP
8	Closure plan initial agreement status	Required but not submitted	
9	Closure plan review status	Review required and not completed	
10	Financial Provision for Closure status	Required but not submitted	
11	Financial Provision for Closure - amount of cover	TBC	
12	Financial Provision for Closure - type	Other please specify	TBC in CRAMP
13	Financial provision for Closure expiry date	TBC	

Environmental Management Programme/Continuous Improvement Programme template

Lic No: W0152-03 Year 2013

	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	
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes	

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Reduction of emissions to Air	To reduce door opening times and outgoing traffic from the facility but using loading bay. Loading bay will be used with the commencement of RDF production	100%	RDF production commenced October 2013	Section Head	Improved Environmental Management Practices
Reduction of emissions to Air	To install virgin carbon for the filter of the odour abatement system	100%	Carbon installed in April 2013	Section Head	Less complaints
Waste reduction/Raw material usage efficiency	To commence processing and production of RDF which will reduce the necessary of vehicles to load inside the shed. All vehicles will be loaded through a loading bay which will result in less traffic, road result and the risk of odour complaints	100%	RDF production commenced October 2013	Section Head	Improved Environmental Management Practices
Additional improvements	Research and identify training needs of key members of staff	100%	Staffs training needs were identified	Section Head	Improved Environmental Management Practices

Additional improvements	Training to be carried out with key members of staff to increase environmental awarness on site. All training to be approved by the EPA and in compliance with licence requirements.	0%	Due to changes in restructuring the candidates for this training have not been finalised. This will be carried forward to 2014.	Section Head	Improved Environmental Management Practices
Additional improvements	Environmental education of our customer base and increase awareness with regard to recovery.	100%	Environmentals internet programe	Section Head	Improved Environmental Management Practices
Reduction of emissions to Water	Inspection of the existing ha	100%	Inspection completed	Section Head	Reduced emissions
Reduction of emissions to Water	Works program established	0%	Some cracks repaired in September however works still need to be completed	Section Head	Reduced emissions
SELECT		SELECT		SELECT	SELECT

Noise monitoring summary report

Lic No: W0152-03 Year 2013

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?	Yes
3	Does your site have a noise reduction plan	SELECT
4	When was the noise reduction plan last updated?	Enter date
5	Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?	SELECT

Noise Guidance note NG4

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)?
12/12/2013	14:55- 15:55hrs	N1		67.5	58	71.5		No	SELECT	Traffic passing on the road brings levels up to 68dB. Yard activity can be heard ~55-57dB. Truck coming onsite past location reaches 83dB. Noise level at 58-59dB when no traffic due to air hose across the road in adjacent facility	No
12/12/2013	14:43- 15:43hrs	N2		72.4	70.5	73.8		No		Site noise at 70dB continuously. Main noise is from the fan on the side of the building.	No
12/12/2013	15:54- 16:54hrs	N3		74.8	73.5	77.7		No		Scrubber system constant at 74dB. Truck bringing a load into facility at 78dB. Slight tonal quality to the noise from the scrubber.	No
12/12/2013	16:04- 17:04hrs	N4		71.8	63.1	76.4		No		Site and site traffic at 63-64dB. Road traffic frequent at 78dB. Truck leaving site parks and leaves engine running on weighbridge next to location for 4 minutes.	No
12/12/2013	17:20- 18:20hrs	NSL1	Yes	65.1	64.4	66.1		No		Location is on Bord Gas compound at the back of the oxigen facility. The fans in the oxigen facility are constant at 64dB.	No
12/12/2013	23:12- 23:42hrs	N1		60.5	57	64.5		No		Site at 57dB. Noise from the fans and the trailer puller truck constantly on even when not in use. Cars on road occasional at 72-74dB	No

12/12/2013	23:04- 23:34hrs	N2		74.4	73.3	76.7		No		Site noise at 73-74dB continuously. Main noise is from the fan on the side of the building	No
12/12/2013	23:44- 00.14hrs	N3		76.5	73.1	94.6		No		Scrubber system constant at 74dB. Digger scrapping the road surface in clean up operation at 80dB. Slight tonal quality to the noise from the scrubber. The 94.6dB reading on LA10 is a computer glitch and not real. LA01 is also 94.6dB and the Lafmax is 94.7dB.	No
12/12/2013	23:50- 00.20hrs	N4		71.1	57.7	76		No		Rubber duck digger went by at 70dB. Digger scrapping floor surface in clean up operation at 73dB. Truck stopped on the weighbridge next to location at 73dB.	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?

operational changes

Any additional comments? (less than 200 words)

Resource Usage/Energy efficiency summary

Lic No: W0152-03 Year 2013

		Additional information	
1	When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below	Enter date of audit	
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	SELECT	SEAI - Large Industry Energy Network (LIEN)
3	Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information	SELECT	

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)	338.64	684.48	102%	107%
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	338.64	686.48	102%	107%
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)	44.751	56.741	26.80%	28.90%
Light Fuel Oil (m3)				
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

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

** where site production information is available please enter percentage increase or decrease compared to previous year

Table R2 Water usage on site

					Water Emissi	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							
Surface water							
Public supply	517	1305	152%	177%	1305		
Recycled water							
Total							

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

** where site production information is available please enter percentage increase or decrease compared to previous year

Resource Usage/Energy efficiency summary

Lic No: W0152-03 Year 2013

Table R3 Waste Stream Summary

	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)					
Non-Hazardous (Tonnes)					

Resource Usage/Energy efficiency summary

Lic No: W0152-03 Year 2013

Table R4: Energy Audit finding recommendations

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

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

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

Complaints and Incidents summary template

Lic No: W0152-03 Year 2013

Complaints

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

Table 1 Complaints summary

Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action< 20 words	Resolution status	Resolution date	Further information
04/01/2013	Odour		Odour in the surrounding area	Staff at facility were informed of complaint	Complete	04/01/2013	
10/01/2013	Odour		Odour in the surrounding area	No odour was detected upon investigatiom n	Complete	10/01/2013	
27/02/2013	Odour		Odour in the surrounding area	EPA informed no odour was present on that day but onitoring would be	Complete	07/03/2013	
27/02/2013	Odour		Odour in the surrounding area	EPA informed no odour was present on that day but onitoring would be ongoing	Complete	07/03/2013	

Complaints and Incidents summary template				Lic No: W0152-03		Year 2013	
02/04/2013	Odour		Odour in the surrounding area	Small amount of material left on site over weekend. This was removed by Tuesday morning	Complete	02/04/2013	
02/04/2013	Odour		Odour in the surrounding area	Small amount of material left on site over weekend. This was removed by Tuesday morning	Complete	02/04/2013	
08/04/2013	Odour		Odour in the surrounding area	Foul smelling food waste arrived on site resulting in odour, this was quickly removed and odour abatement system put on full power	Complete	08/04/2013	
08/04/2013	Odour		Odour in the surrounding area	Foul smelling food waste arrived on site resulting in odour, this was quickly removed and odour abatement system put on full power	Complete	08/04/2013	

11/04/2013	Odour		Odour in the surrounding area	Carbon filters were replaced	Complete	16/04/2013	
11/04/2013	Odour		Odour in the surrounding area	Carbon filters were replaced	Complete	16/04/2013	
11/06/2013	Odour		Odour in the surrounding area	No odour was detected upon investigation but odour neutraliser was spayed	Complete	17/06/2013	
12/06/2013	Odour		Odour in the surrounding area	No odour was detected upon investigation but odour neutraliser was spayed	Complete	17/06/2013	
24/06/2013	Odour		Odour in the surrounding area	Slight odour detected but odour neutraliser was sprayed	Complete	24/06/2013	
24/06/2013	Odour		Odour in the surrounding area	Slight odour detected but odour neutraliser was sprayed	Complete	24/06/2013	
02/07/2013	Odour		Odour in the surrounding area	Odour test carried out- no odour found downwind	Complete	05/07/2013	
14/07/2013	Odour		Odour in the surrounding area	No reason for odour was found however monitoring was on going	Complete	15/07/2013	

Complaints and Incidents summary template				Lic No: W0152-03		Year 2013	
25/09/2013	Odour		Odour in the surrounding area	Third party haulier was broken down near the facility which is believed to have been the source of the odour	Complete	25/09/2013	
14/10/2013	Odour		Odour in the surrounding area	Faint odour was detected in the yard however this was primarily due to the installation of the RDF line at the facility	Complete	18/10/2013	
22/10/2013	Odour		Odour in the surrounding area	Odour assessment was caried out and odour detected- due to large stockpiles, facility closed until a such time as waste was cleared	Complete	23/10/2013	
22/10/2013	Odour		Odour in the surrounding area	Odour assessment was caried out and odour detected- due to large stockpiles, facility closed until a such time as waste was cleared	Complete	23/10/2013	

Complaints and Incidents summary template				Lic No: W0152-03		Year 2013	
22/10/2013	Odour		Odour in the surrounding area	Odour assessment was caried out and odour detected- due to large stockpiles, facility closed until a such time as waste was cleared	Complete	23/10/2013	
23/10/2013	Odour		Odour in the surrounding area				
23/10/2013	Odour		Odour in the surrounding area				
24/10/2013	Odour		Odour in the surrounding area	Odour assessment was caried out and odour detected- due to large stockpiles, facility closed until a such time as waste was cleared	Complete	25/10/2013	
22/10/2013	Odour		Odour in the surrounding area	Odour assessment was caried out and odour detected- due to large stockpiles, facility closed until a such time as waste was cleared	Complete	25/10/2013	

Complaints and Incidents summary template				Lic No: W0152-03		Year 2013	
22/10/2013	Odour		Odour in the surrounding area	Odour assessment was caried out and odour detected- due to large stockpiles, facility closed until a such time as waste was cleared	Complete	25/10/2013	
25/10/2013	Odour		Odour in the surrounding area	Odour assessment was caried out and odour detected- due to large stockpiles, facility closed until a such time as waste was cleared	Complete	25/10/2013	
24/10/2013	Odour		Odour in the surrounding area	Call made to the complainant to discuss her concerns	Complete	25/10/2013	
16/12/2013	Odour		Odour in the surrounding area	Odour test carried out- no odour found downwind	Complete	16/12/2013	

Total complaints open at start of reporting year	0
Total new complaints received during reporting year	29
Total complaints closed during reporting year	29

Complaints and Incidents summary template

Lic No: W0152-03 Year 2013

Balance of complaints end of reporting year	0

Incidents

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

*For information on how to report and what constitutes an incident	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	Communication	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Likelihood of reoccurence
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT

Total number of incidents current year	
Total number of incidents previous year	
% reduction/ increase	

WASTE SUMMARY	Lic No:	W0152-03	Year	2013
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY AL		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	SELECT	
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	SELECT	
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	SELECT	

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 report

Licenced annual tonnage limit for your site (total tonnes/annum)	EWC code	Source of waste accepted	Description of waste accepted **Please enter an accurate and detailed description - which applies to relevant** 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 -
	European Waste Catalogue EWC codes										

WASTE SUMMARY				Lic No:	W0152-03		Year	2013			
Household & Commerical Waste 160,000 tpa	*17 09 04*	*17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)*	*Construction and demolition waste*	*39.54*		100%			*R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning*		

WASTE SUMMARY				Lic No:	W0152-03	Year	2013				
Household & Commerical Waste 160,000 tpa	*20 03 07*	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	*Commercial and Industrial waste*	*147.38*		100%			*R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning*		

WASTE SUMMARY				Lic No:	W0152-03	Year	2013				
Household & Commerical Waste 160,000 tpa	*20 03 01*	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	*MSW Municipal Waste*	*57048.98*	*56783.96*	1%			*R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning*	*400*	

WASTE SUMMARY				Lic No:	W0152-03		Year	2013			
Household & Commerical Waste 160,000 tpa	*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*	*MSW Processed*	*47.5*	*4.32*	1000%			*R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning*		

WASTE SUMMARY				Lic No:	W0152-03			Year	2013		
	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*	*Organic Fines*	*376.4*	*2115.98*	-82%			*R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning*		

WASTE SUMMARY					Lic No:	W0152-03		Year	2013		
Household & Commerical Waste 160,000 tpa	*20 01 39*	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	*Plastic Mixed*	*1.06*		100%			*R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning*		

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

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	SELECT	
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	SELECT	
6	Does your facility have relevant nuisance controls in place?	SELECT	
7	Do you have an odour management system in place for your facility? If no why?	SELECT	
8	Do you maintain a sludge register on site?	SELECT	

SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY

Table 2 Waste type and tonnage-landfill only

WASTE SUMMARY

Lic No: W0152-03 Year 2013

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

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	Comments on liner type
										SELECT UNIT	SELECT UNIT	SELECT UNIT	
Cell 8													

WASTE SUMMARY

Lic No: W0152-03 Year 2013

Table 4 Environmental monitoring-l 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	statement under S53(A)(5) of WMA been submitted in reporting year	Comments

.+ please refer to Landfill Manual linked above for relevant Landfill Directive monitoring standards

Table 5 Capping-Landfill only

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

*please note this includes daily cover area

Table 6 Leachate-Landfill only

9	Is leachate from your site treated in a Waste Water Treatment Plant?	SELECT
10	Is leachate released to surface water? If yes please complete leachate mass load information below	SELECT

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

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

Table 7 Landfill Gas-Landfill only

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

Environmental Protection Agency

Guidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1.18

REFERENCE YEAR	2013

1. FACILITY IDENTIFICATION

Parent Company Name	Oxigen Environmental Limited
Facility Name	Oxigen Environmental Limited (Robinhood)
PRTR Identification Number	W0152
Licence Number	W0152-03

Waste or IPPC Classes of Activity

No.	class_name
3.11	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
3.12	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.
3.13	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

Address 1	Robinhood Industrial Estate
Address 2	Robinhood Road
Address 3	Ballymount
Address 4	Dublin 22
	Dublin
Country	Ireland
Coordinates of Location	-6.35817 53.3189
River Basin District	IEEA
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Maria Byrne
AER Returns Contact Email Address	mbyrne@oxigen.ie
AER Returns Contact Position	Environmental Compliance Officer
AER Returns Contact Telephone Number	01 4263129
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	5
User Feedback/Comments	
Web Address	www.oxigen.ie

2. PRTR CLASS ACTIVITIES

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

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) ?	
Is the reduction scheme compliance route being used ?	

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) ?	No

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

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	Emission Point 3	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
210	Dust	M	ALT	Beregerhoff guage	51.19	68.99	74.36	194.54	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: Oxigen Environmental Limited (Robinhood)

Please enter summary data on the quantities of methane flared and / or utilised	T (Total) kg/Year	M/C/E	Method Used		Facility Total Capacity m3 per hour	
			Method Code	Designation or Description		
Total estimated methane generation (as per site model)	0.0				N/A	
Methane flared	0.0				0.0	(Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0	(Total Utilising Capacity)
Net methane emission (as reported in Section A above)	0.0				N/A	

4.2 RELEASES TO WATERS

Link to previous years emissions data

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as this only concerns Releases from your facility

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT					QUANTITY			
			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
76	**Total organic carbon (TOC) (as total C or COD/3)**	M	ALT	APHA-5220-D	334.71	334.71	0.0	0.0

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT					QUANTITY			
			Method Used					
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
303	BOD	M	ALT	APHA-5210-B	285.41	285.41	0.0	0.0
306	COD	M	ALT	APHA-5220-D	1004.14	1004.14	0.0	0.0
240	Suspended Solids	M	ALT	APHA-2540-B	178.65	178.65	0.0	0.0
238	Ammonia (as N)	M	ALT	APHA-4500-NH3-D	66.75	66.75	0.0	0.0
324	Mineral oils	M	ALT	GC-FID	9.81	9.81	0.0	0.0
343	Sulphate	M	ALT	APHA-4110-B	71.12	71.12	0.0	0.0

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

4.3 RELEASES TO WASTEWATER OR SEWER

Link to previous years emissions data

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
76	Total organic carbon (TOC) (as total C or COD/3)	M	ALT	APHA-5220-D	368.82	368.82	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					
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	ALT	APHA-5210-B	177.63	177.63	0.0	0.0
306	COD	M	ALT	APHA-5220-D	1106.45	1106.45	0.0	0.0
240	Suspended Solids	M	ALT	APHA-2540-B	383.35	383.35	0.0	0.0
343	Sulphate	M	ALT	APHA-4110-B	22.53	22.53	0.0	0.0
314	Fats, Oils and Greases	M	ALT	APHA-5520-B	265.55	265.55	0.0	0.0
324	Mineral oils	M	ALT	GC-FID	0.1	0.1	0.0	0.0
308	Detergents (as MBAS)	M	ALT	APHA-5540-C	0.09	0.09	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					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
					0.0	0.0	0.0

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

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

RELEASES TO LAND					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	T (Total) KG/Year	A (Accidental) KG/Year
					0.0	0.0	0.0

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

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	19 12 12	No	1184.88	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 Environmental Ltd,WMP2004/57	Larch Hill Stud,Kilcock,Co. Meath,.,Ireland		
Within the Country	19 12 12	No	1420.18	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	D1	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0203-03	Carbury,.,.,Co.Kildare,Ireland		
Within the Country	19 12 12	No	32983.81	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	D1	M	Weighed	Offsite in Ireland	Ballynagran Landfill,W0165-01	Ballynagran ,Co. Wicklow,.,.,Ireland		
Within the Country	19 12 12	No	2482.08	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	D1	M	Weighed	Offsite in Ireland	Knockharley Landfill,W0146-02	Navan,Co. Meath,.,.,Ireland		
Within the Country	19 12 12	No	4793.68	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	Indaver,W0167-02	Carranstown,Duleek,Co. Meath,.,ireland		
Within the Country	19 12 12	No	1094.76	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	Greyhound Waste,205-01	Crag Avenue,Clondalkin Industrial Estate,Clondalkin,Co. Dublin,Ireland		
Within the Country	19 12 12	No	2519.72	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	Neurendale Limited t/a Panda Waste Services Ltd,W0140-03	Rathdrinagh,Beauparc,Navan,Co. Meath,Ireland		
Within the Country	19 12 10	No	10455.43	combustible waste (refuse derived fuel)	R13	M	Weighed	Offsite in Ireland	Drogheda Port Company,WFP-LH-13-0001-01	Tom Roes Point,Baltray Road,Drogheda,Co. Louth,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