SELECT	cells that are highlighted blue contain a drop
guidance document link	cells that contain underlined text click to acc
Table heading *	table headings followed by a symbol have ar
Cells with red indicator in top right corner	cells that have a red indicator in the top righ

Please note an interpretation of results is still required. This should be entered in the
appropriately to fit your interpretation, if additional space is required please includ
excel template should have all cells sized appropriately so t

odown menu click to select one option from the list

cess relevant guidance documents for this section

n associated footnote or instructions

t corner contain a comment box with further instructions or clarification

e additional information/comments boxes within the templates. Please size these boxes
e an appendix to the AER template and merge it as part of the AER PDF document. The
hat all text is readable before it is converted to PDF document.

Facility Information Summary	
AER Reporting Year	2014
Licence Register Number	W0211-01
Name of site	ERAS ECO Ltd
Site Location	Foxhole, Youghal, Co. Cork
NACE Code	3821
Class/Classes of Activity	Principal Class 4.2
National Grid Reference (6E, 6 N)	2097E, 7977N

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 facility accepts non hazardous Commercial and Industrial wastes and non hazardous industrial and municipal sludges. The Commercial and Industrial waste includes source segregated and mixed waste (e.g. paper, cardboard, plastics, metals, with a residual organic fraction). These wastes are either subject to furthersegregation and baling on site or bulked up for transfer to other processing facilities. The sludges are treatedeither by lime stabilisation, or dried using a rotary paddle drier with steam produced from a biomass boiler. The stabilised sludge is applied to land, while the dried product is exported for use as fuel.

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.

MR. Paul Wilson	30/03/2015
Signature Group/Facility manager (or nominated, suitably qualified and experienced deputy)	Date

AIR-summary template Lic No: W0211-01 Year 2014

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	Yes	

Periodic/Non-Continuous Monitoring

2	Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below	No	
3	Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? Basic air monitorin AGN2	Yes	

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

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision therof	Licence Compliance criteria	Measured value (average)	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
A1	*Nitrogen oxides (NOx/NO2)*	*Quarterly*	*250*	*100 % of values < ELV*	*250*	*mgC/Nm3*	*yes*	*EN 15058:2004*	*8870*	*Increase in flow + Nox*
A1	*Sulphur oxides (SOx/SO2)*	*Quarterly*	*N/A*	*100 % of values < ELV*	*110.36*	*mgC/Nm3*	*yes*	*EN 15058:2004*	*3909*	*Increase in flow*
A1	*Total Particulates*	*Quarterly*	*20*	*100 % of values < ELV*	*6.48*	*mgC/Nm3*	*yes*	*OTH*	*347.6*	*Increase in flow*
A1	*Carbon monoxide (CO)*	*Quarterly*	*150*	*100 % of values < ELV*	*9.81*	*mgC/Nm3*	*yes*	*EN 15058:2004*	*9.81*	*Increase in flow*
A2	*Ammonia (NH3)*	*Biannual*	*N/A*	*100 % of values < ELV*	*3.248*	*mgC/Nm3*	*yes*	*EN 13649:2001*	*0.000003248*	*% Reduction in Operations*
A2	*Total Organic Carbon (as C)*	*Biannual*	*N/A*	*100 % of values < ELV*	*12.25*	*mgC/Nm3*	*yes*	*OTH*	*0.00001225*	*% Reduction in Operations*
A2	*Hydrogen sulphide*	*Biannual*	*N/A*	*100 % of values < ELV*	*1.72*	*mgC/Nm3*	*yes*	*EN 13649:2001*	*0.00000172*	*% Reduction in Operations*
A2	*Mercaptans*	*Biannual*	*N/A*	*100 % of values < ELV*	*0.5*	*mgC/Nm3*	*yes*	*OTH*	*0.0000005*	*% Reduction in Operations*

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

AIR-summary template	Lic No:	W0211-01	Year	2014

Continuous Monitoring

4	Does your site carry out continuous air emissions monitoring?	No	
	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		
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
	SELECT				SELECT					

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

Table A3: Abatement system bypass reporting table

Bypass protocol

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

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

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

AIR-summary template Lic No: W0211-01 Year 2014

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 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)
							Total	

AIR-summary template	Lic No:	W0211-01	Year	2014

AIR-summary template	Lic No:	W0211-01	Year	2014

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0211-01 Year 2014

			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	No	No emissions to surface water. There is emissions to sewer.
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	

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
	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	No	
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 La Assessment of re	Yes	

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 thereof[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
SE1	Vastewater/Sewe	pH	composite	Weekly	24 hour	< 6 or < 8.5	No pH value shall deviate from the specified range.	7.43	mg/L	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"	APHA-4500-H+-B	N/A	<ELV
SE1	Vastewater/Sewe	Suspended Solids	composite	Weekly	24 hour	35	No pH value shall deviate from the specified range.	4.63	mg/L	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"	APHA-2540-D	15.928	<ELV
SE1	Vastewater/Sewe	Ammonia (as N)	composite	Weekly	24 hour	0.5	No flow value shall exceed the specific limit.	0.11	mg/L	yes	stion + Spectrophoton	APHA / AWWA "Standard Methods"	APHA-4500-NH3-D	0.378	<ELV
SE1	Vastewater/Sewe	BOD	composite	Monthly	24 hour	10	No flow value shall exceed the specific limit.	2.93	mg/L	yes	stion + Spectrophoton	APHA / AWWA "Standard Methods"	APHA-5210-B	10.08	<ELV
SE1	Vastewater/Sewe	COD	composite	Weekly	24 hour	125	No flow value shall exceed the specific limit.	7.44	mg/L	yes	stion + Spectrophoton	"Standard	APHA-5210-D	25.595	<ELV
SE1	Vastewater/Sewe	Total nitrogen	composite	Qurarterly	24 hour	10	No flow value shall exceed the specific limit.	8.428	mg/L	yes	stion + Spectrophoton	"Standard	APHA-4500-N-C	8.428	<ELV
SE1	Vastewater/Sewe	Semi-volatiles	composite	Qurarterly	24 hour	0.5	No flow value shall exceed the specific limit.	0.001	mg/L	yes	C (Gas Chromatograph	"Standard	GC-FID	0.003	<ELV
SE1	Vastewater/Sewe	Volatile organic compounds (as TOC)	composite	Qurarterly	24 hour	0.5	No flow value shall exceed the specific limit.	0.001	mg/L	yes	C (Gas Chromatograph	APHA / AWWA "Standard Methods"	GC-FID	0.003	<ELV
SE1	Vastewater/Sewe	Sulphate	composite	Qurarterly	24 hour	100	No flow value shall exceed the specific limit.	19.7	mg/L	yes	rophotometry (Colorin	"Standard	APHA-3120-B	67.77	<ELV
SE1	Vastewater/Sewe	Total phosphorus	composite	Biannual	24 hour	1	No flow value shall exceed the specific limit.	0.01	mg/L	yes	rophotometry (Colorin	APHA / AWWA "Standard Methods"	APHA-4500-P	0.034	<ELV
SE1	Vastewater/Sewe	Cyanides (as total CN)	composite	Biannual	24 hour	0.1	No flow value shall exceed the specific limit.	0.0046	mg/L	yes	rophotometry (Colorin	APHA / AWWA "Standard Methods"	APHA-4500-CN-E	0.016	<ELV
SE1	Vastewater/Sewe	Mercury and compounds (as Hg)	composite	Annual	24 hour		No flow value shall exceed the specific limit.	0.0108	mg/L	yes	vely Coupled Plasma -	"Standard	APHA-3120-B	0.037	<ELV
SE1	Vastewater/Sewe	Lead and compounds (as Pb)	composite	Annual	24 hour	0.005	No flow value shall exceed the specific limit.	0.01	mg/L	yes	vely Coupled Plasma -	"Standard	APHA-3120-B	0.034	<ELV

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)						Lic No:	W0211-01			Year	2014				
SE1	Vastewater/Sewe	Zinc and compounds (as Zn)	composite	Annual	24 hour	0.1	No flow value shall exceed the specific limit.	0.01	mg/L	yes	vely Coupled Plasma -	APHA / AWWA "Standard Methods"	APHA-3120-B	0.034	<ELV
SE1	Vastewater/Sewe	Copper and compounds (as Cu)	composite	Annual	24 hour	0.03	No flow value shall exceed the specific limit.	0.001	mg/L	yes	vely Coupled Plasma -	APHA / AWWA "Standard Methods"	APHA-3120-B	0.003	<ELV
SE1	Vastewater/Sewe	Cadmium and compounds (as Cd)	composite	Annual	24 hour	0.005	No flow value shall exceed the specific limit.	0.01	mg/L	yes	vely Coupled Plasma -	APHA / AWWA "Standard Methods"	APHA-3120-B	0.034	<ELV
SE1	Vastewater/Sewe	Arsenic and compounds (as As)	composite	Annual	24 hour	0.02	No flow value shall exceed the specific limit.	0.01	mg/L	yes	vely Coupled Plasma -	APHA / AWWA "Standard Methods"	APHA-3120-B	0.034	<ELV
SE1	Vastewater/Sewe	Chromium and compounds (as Cr)	composite	Annual	24 hour	0.025	No flow value shall exceed the specific limit.	0.001	mg/L	yes	vely Coupled Plasma -	APHA / AWWA "Standard	APHA-3120-B	0.03	<ELV
SE1	Vastewater/Sewe	Nickel and compounds (as Ni)	composite	Annual	24 hour	0.15	No flow value shall exceed the specific limit.	0.003	mg/L	yes	vely Coupled Plasma -	APHA / AWWA "Standard Methods"	APHA-3120-B	0.01	<ELV

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: W0211-01 Year 2014

Continuous monitoring

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

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	
7	Do you have a proactive service contract for each piece of continuous monitoring equipment on site?	No	
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
SE1	Wastewater/Sewe	pH	<6 ; or > 8.5	24 hour	All values < ELV	pH units	N/A		0	0	
	Wastewater/Sewe	volumetric flow	>170 m3/day	24 hour	All values < ELV	m3/day	N/A		0	0	

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

Groundwater/Soil monitoring template	Lic No:	W0211-01	Year	2014

			Comments	
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	yes		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		
3	Do you extract groundwater for use on site? If yes please specify use in comment section	no		
4	Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below. Groundwater monit	no		
5	Is the contamination related to operations at the facility (either current and/or historic)	N/A		
6	Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	N/A		
7	Please specify the proposed time frame for the remediation strategy	N/A		
8	Is there a licence condition to carry out/update ELRA for the site?	yes		
9	Has any type of risk assesment been carried out for the site?	yes		
10	Has a Conceptual Site Model been developed for the site?	no		
11	Have potential receptors been identified on and off site?	no		
12	Is there evidence that contamination is migrating offsite?	no		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
28 Mar 2014 & 11 Nov 2014	MW/2/MW3	ph	pH	Biannual	7.64	7.64	pH	N/A	N/A	No trend
	MW/2/MW3	Conductivity		Biannual	799	609	m/sv	N/A	N/A	No trend
	MW/2/MW3	COD	APHA 5220	Biannual	101	37.42	mg/l	N/A	N/A	No trend
	MW/2/MW3	DRO	GC-FID	Biannual	0.01	0.01	mg/l	N/A	N/A	No trend
	MW/2/MW3	PRO	GC-FID	Biannual	0.01	0.18	mg/l	N/A	N/A	No trend
	MW/2/MW3	Nitrate	APHA 4110	Biannual	27.41	27.41	mg/l	N/A	N/A	No trend
	MW/2/MW3	Ammonia	APHA 4500	Biannual	3.965	1.69	mg/l	N/A	N/A	No trend
	MW/2/MW3	Chloride	APHA 4110	Biannual	72.083	44.7	mg/l	N/A	N/A	No trend
	MW/2/MW3	Cadmium	APHA 3120	Biannual	0.01	0.005	mg/l	N/A	N/A	No trend
	MW/2/MW3	Cobalt	APHA 3120	Biannual	0.0049	0.002	mg/l	N/A	N/A	No trend
	MW/2/MW3	Iron	APHA 3120	Biannual	5.6	2.07	mg/l	N/A	N/A	No trend
	MW/2/MW3	Manganesse	APHA 3120	Biannual	1.41	0.456	mg/l	N/A	N/A	No trend
	MW/2/MW3	Arsenic	APHA 3120	Biannual	0.01	0.008	mg/l	N/A	N/A	No trend
	MW/2/MW3	Organohaloge	GC-FID	Biannual	0.01	0.008	mg/l	N/A	N/A	No trend

.+ where average indicates arithmetic mean

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

Groundwater/Soil monitoring template Lic No: W0211-01 Year 2014

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
28 Mar 2014 & 11 Nov 2014	MW/1	ph	pH	Biannual	6.37	6.5	pH	N/A	N/A	No trend
	MW/1	Conductivity		Biannual	809	857.5	m/sv	N/A	N/A	No trend
	MW/1	COD	APHA 5220	Biannual	113	71.25	mg/l	N/A	N/A	No trend
	MW/1	DRO	GC-FID	Biannual	0.022	0.016	mg/l	N/A	N/A	No trend
	MW/1	PRO	GC-FID	Biannual	0.05	0.0255	mg/l	N/A	N/A	No trend
	MW/1	Nitrate	APHA 4110	Biannual	0.3	0.155	mg/l	N/A	N/A	No trend
	MW/1	Ammonia	APHA 4500	Biannual	0.5	1.22	mg/l	N/A	N/A	No trend
	MW/1	Chloride	APHA 4110	Biannual	35.1	38.85	mg/l	N/A	N/A	No trend
	MW/1	Cadmium	APHA 3120	Biannual	0.01	0.0053	mg/l	N/A	N/A	No trend
	MW/1	Cobalt	APHA 3120	Biannual	0.002	0.0015	mg/l	N/A	N/A	No trend
	MW/1	Iron	APHA 3120	Biannual	15.9	7.9665	mg/l	N/A	N/A	No trend
	MW/1	Manganesse	APHA 3120	Biannual	3.32	1.7545	mg/l	N/A	N/A	No trend
	MW/1	Arsenic	APHA 3120	Biannual	0.01	0.008	mg/l	N/A	N/A	No trend
	MW/1	Organohaloge	GC-FID	Biannual	0.01	0.0075	mg/l	N/A	N/A	No trend

*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 wat Groundwater re Drinking water (priv Drinking water (public s Interim Guideline Valu

Groundwater/Soil monitoring template Lic No: W0211-01 Year 2014

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:	W0211-01	Year	2014

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

			Commentary
1	ELRA initial agreement status	Submitted and agreed by EPA	
2	ELRA review status	Review required and not completed;	
3	Amount of Financial Provision cover required as determined by the latest ELRA	536,000	
4	Financial Provision for ELRA status	Submitted and agreed by EPA	
5	Financial Provision for ELRA - amount of cover	288,000	
6	Financial Provision for ELRA - type	ironmental Impairment Liability insurance	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	sure plan submitted and not agreed by EPA	
9	Closure plan review status	Review required and not completed	
10	Financial Provision for Closure status	Submitted and not agreed by EPA;	
11	Financial Provision for Closure - amount of cover	288,000	
12	Financial Provision for Closure - type	ironmental Impairment Liability insurance	
13	Financial provision for Closure expiry date	07/07/1905	

Environmental Management Programme/Continuous Improvement Programme template

Lic No: W0211-01 2014

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	14001
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
Additional improvements	Staff training	0	Waste mgt training	Individual	Improved Environmental Management Practices
Reduction of emissions to Air	Reduce odour complaints &	20	TBD	Individual	Less complaints
Materials Handling/Storage/Bunding	Bund Testing	0	Testing	Individual	Increased compliance with licence conditions

Noise monitoring summary report

Lic No: W0211-01 Year 2014

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 Guida	Yes
3	Does your site have a noise reduction plan	No
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?	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)?
21/11/2014	10:45-12:15	N1		60.2	51.2	61.7	61.7	No	SELECT	Local level from Biofilter	Yes
21/11/2014	15:52-14:22	N2		58.5	50.3	59.8	59.8	No		Site noise, distant traffic	Yes
21/11/2014	14:28-15:58	N3		56	49.4	58.5	58.5	No		Local traffic, industrial n	Yes
21/11/2014	09:14 - 10:34	NSR		63.5	55.1	65.2	65.2	No		Local traffic, no site nois	Yes

*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? SELECT

** please explain the reason for not taking action/resolution of noise issues?

Any additional comments? (less than 200 words)

Resource Usage/Energy efficiency summary

Lic No: W0211-01 Year 2014

			Additional information
1	When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below	2010	
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	SEAI - Large Industry No	
3	Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information	Yes	TBD

Table R1 Energy usage on site

Energy Use	Previous year recorded	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (KWHrs)				
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	449	349.372	77.78	
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)	2.813	7.156		
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site	1483.48	1496.44	100.67%	

* 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							
Surface water							
Public supply	4.124	2.123	0.51%				
Recycled water							
Total							

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

Table R3 Waste Stream Summary

	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)					
Non-Hazardous (Tonnes)	26,715.58	5,472.36	379.07		

Resource Usage/Energy efficiency summary

Lic No: W0211-01 Year 2014

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
Last audit 2010 - reported in previous	AER's		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: W0211-01 Year 2014

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
22-May-14	Odour	Odour	Odours in locality	Investigate complaint	Complete	Jun-14	
30-May-14	Odour	Odour	Odours in locality	Roller Doors	Complete	Jun-14	
26-Aug-14	Odour	Odour	Odours in locality	Investigate complaint	Complete	Sep-14	
29-Oct-14	Odour	Odour	Odours in locality	Waste intake procedures	Complete	Nov-14	
	SELECT				SELECT		

Total complaints open at start of reporting year	0
Total new complaints received during reporting year	4
Total complaints closed during reporting year	4
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	No	

*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
21/11/2014	Breach of ELV	Licenced discharge point (typ	1. Minor	Air	Plant or equipmer	Boiler	Normal activities	EPA	New	Re-monitor	Boiler mainten	Ongoing	2015	Medium

Total number of incidents current year	1
Total number of incidents previous year	0
% reduction/ increase	

WASTE SUMMARY Lic No: W0211-01 Year 2014

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)	No	
	If yes please enter details in table 1 below		
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	No	
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	

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 Catalogu	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 -
110,000	020704	*02-WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING*	*Beverage Waste*	227.92	*266.98*	Decrease	*Supplier decrease*	*Unknown*	*R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asnot*		
110,000	020705	*02-WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING*	*Beverage Waste*	565.67	*666.16*	Decrease	*Supplier decrease*	*Unknown*	*R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asnot*		
110,000	070212	*07- WASTES FROM ORGANIC CHEMICAL PROCESSES*	*Pharma Waste*	605.76	*596.06*	Decrease	*Supplier decrease*	*Unknown*	*R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asnot*		
110,000	070512	*07- WASTES FROM ORGANIC CHEMICAL PROCESSES*	*Pharma Waste*	1969.08	*2,607.15*	Decrease	*Supplier decrease*	*Unknown*	*R3-Recycling/reclamation or orga*	*40*	
110,000	101304	*10- WASTES FROM THERMAL PROCESSES*	*Waste from Thermal plants*	26.12	*0*	Increase	*Supplier increase*	*Unknown*	*R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asnot*		
110,000	110110	*11- WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY*	*Waste Sludge*	50.44	*0*	Increase	*Supplier increase*	*Unknown*	*R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asnot*		
110,000	150101	*15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED*	*Cardboard*	16.92	*17.14*	Decrease	*Supplier decrease*	*Unknown*	*R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of th*		
110,000	150104	*15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED*	Metal Packaging	2.94	*0*	Increase	*Supplier increase*	*Unknown*	*R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asnot*		
110,000	160120	*16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST*	*Glass*	11.88	*0*	Increase	*Supplier increase*	*Unknown*	*R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asnot*		
110,000	170904	*17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)*	*Mixed C&D Waste*	1828.88	*998.37*	Increase	*Supplier increase*	*Unknown*	*R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asnot*		

WASTE SUMMARY				Lic No:	W0211-01		Year	2014		
110,000	190206	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	Filter Cakes	44	0	Increase	Supplier increase	Unknown	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asnot	
110,000	190805	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	WWTP Sludges	8800.9	6,903.45	Increase	Supplier increase	Unknown	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asnot	
110,000	190902	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	WTP Sludges	410.26	113.34	Increase	Supplier increase	Unknown	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asnot	
110,000	190904	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	WWTP Solids	45.38	0	Increase	Supplier increase	Unknown	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asnot	
110,000	191207	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	Woodchip	1496.44	1,483.48	Decrease	Supplier decrease	Unknown	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asnot	
110,000	200108	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Canteen Waste	1458.28	0	Increase	Supplier increase	Unknown	R3-Recycling/reclamation or orga	0
110,000	200138	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Timber	2.42	0.62	Increase	Supplier increase	Unknown	R3-Recycling/reclamation or orga	0
110,000	200139	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Plastic Packaging	28.28	4.42	Increase	Supplier increase	Unknown	R3-Recycling/reclamation or orga	0
110,000	200140	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Metals	16.72	2.92	Increase	Supplier increase	Unknown	R3-Recycling/reclamation or orga	0
110,000	200301	INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Municipal Waste	7439.52	144.94	Increase	Supplier increase	Unknown	R3-Recycling/reclamation or orga	20

WASTE SUMMARY				Lic No:	W0211-01	Year	2014		
110,000	200307	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	Bulky Wastes	1323.77	745.98	Increase	*Supplier increase*	*Unknown*	*R3-Recycling/reclamation or orga*	2

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

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

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: W0211-01 Year 2014

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

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

Table 5 Capping-Landfill only

Area uncapped* SELECT UNIT	Area with temporary cap SELECT UNIT	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

*please note this includes daily cover area

Table 6 Leachate-Landfill only

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

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

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

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

Table 7 Landfill Gas-Landfill only

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