

Facility Information Summary	
------------------------------	--

AER Reporting Year	2012
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 further segregation and baling on site or bulked up for transfer to other processing facilities. The sludges are treated either 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 a 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.

<u>Paul Wilson</u>	<u>30/03/2013</u>
Signature	Date
Group/Facility manager	
(or nominated, suitably qualified and experienced deputy)	

AIR-summary template

Lic No:

W0211-01

Year

2012

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** licensed 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 monitor](#) [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 thereof	Licence Compliance criteria	Average 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
A1 Boiler	Nitrogen oxides (NOx/NO2)	Quarterly	250	100 % of values < ELV	219.5	mg/Nm3	yes	EN 14792:2005	6761.96	Reduction in production
A1 Boiler	Sulphur oxides (SOx/SO2)	Quarterly		100 % of values < ELV	9.04	mg/Nm3	yes	OTH	278.33	Reduction in production
A1 Boiler	Total Particulates	Quarterly	20	100 % of values < ELV	21.88	mg/Nm3	yes	OTH	674.12	Reduction in production
A1 Boiler	Carbon monoxide (CO)	Quarterly	150	100 % of values < ELV	2.5	mg/Nm3	yes	OTH	77.02	Reduction in production
A2 Biofilter	Ammonia (NH3)	Biannual	N/A	100 % of values < ELV	1.9	mg/Nm3	yes	OTH	11.85	Reduction in production
A2 Biofilter	Total Organic Carbon (as C)	Biannual	N/A	100 % of values < ELV	18.19	mg/Nm3	yes	OTH	144.68	Reduction in production
A2 Biofilter	Hydrogen sulphide	Biannual	N/A	100 % of values < ELV	1.01	mg/Nm3	yes	EN 13649:2001	4.7	Reduction in production
A2 Biofilter	Amines	Biannual	N/A	100 % of values < ELV	1.23	mg/Nm3	yes	EN 13649:2001	8.68	Reduction in production
A2 Biofilter	Mercaptans	Biannual	N/A	100 % of values < ELV	0.18	mg/Nm3	yes	EN 13649:2001	1.12	Reduction in production

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

AIR-summary template	Lic No: W0211-01	Year: 2012
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 3 and compare it to its relevant Emission Limit Value (ELV)		
5 Did continuous monitoring equipment experience downtime? If yes please record downtime in table 3 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 4 below	SELECT	

Table A2: Summary of average emissions -continuous monitoring

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

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

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

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

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

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

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

Additional information	
Yes	Emissions to Sewer (SE1)
Yes	

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

Table W1 Surface water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licensed Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
SW1	onsite	SELECT	Conductivity	Q1 - Q4	>1000	No pH value shall deviate from the specified range.	230.85	µS/cm @20°C	yes	Satisfactory
SW1	onsite		pH	Q1 - Q4	>8	No pH value shall deviate from the specified range.	7.58	pH units	yes	Satisfactory
SW1	onsite	SELECT	Suspended Solids	Q1 - Q4	>35	No pH value shall deviate from the specified range.	7.75	mg/L	yes	Satisfactory

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

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

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

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

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

No	Additional information
----	------------------------

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 Assessment of results](#) Yes

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

Emission reference no.	Emission released to	Parameter/ Substance>Note 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereof**	Licence Compliance criteria	Average Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	Comments
SE1	Wastewater/Sewer	pH	composite	Weekly	Weekly	6 - 8.5	No pH value shall deviate from the specified range.		pH units	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"	APHA-4500-HH-B	N/A	
SE1	Wastewater/Sewer	Ammonia (as N)	composite	Weekly	Weekly	0.5	All values < ELV	0.10	mg/L	yes	Digestion + Spectrophotometry	APHA / AWWA "Standard Methods"	APHA-4500-NH3-D	1.23	Decrease
SE1	Wastewater/Sewer	COD	composite	Weekly	Weekly	125	All values < ELV	15.93	mg/L	yes	Digestion + Spectrophotometry	APHA / AWWA "Standard Methods"	APHA-5210-D	119.23	Decrease
SE1	Wastewater/Sewer	Suspended Solids	composite	Weekly	Weekly	35	All values < ELV	7.77	mg/L	yes	Gravimetric analysis	APHA / AWWA "Standard Methods"	APHA-2540-D	58.17	Decrease
SE1	Wastewater/Sewer	BOD	composite	Monthly	Weekly	30	All values < ELV	2.58	mg/L	yes	Digestion + Spectrophotometry	APHA / AWWA "Standard Methods"	APHA-5210-B	19.34	Decrease
SE1	Wastewater/Sewer	Total nitrogen	composite	Quarterly	Weekly	10	All values < ELV	2.4	mg/L	yes	Digestion + Spectrophotometry	APHA / AWWA "Standard Methods"	APHA-4500-N-C	17.97	Decrease
SE1	Wastewater/Sewer	Semi-volatiles	composite	Quarterly	Weekly	0.05	All values < ELV	10	mg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"	GC-GID	0.07	Decrease
SE1	Wastewater/Sewer	Volatile organic compounds (as TOC)	composite	Quarterly	Weekly	0.05	All values < ELV	10	mg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"	GC-GID	0.07	Decrease
SE1	Wastewater/Sewer	Sulphate	composite	Quarterly	Weekly	100	All values < ELV	11.21	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"	APHA-3120-B	11.21	Decrease
SE1	Wastewater/Sewer	Total phosphorus	composite	Biannual	Weekly	1	All values < ELV	0.025	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"	APHA-4500-P	0.19	Decrease
SE1	Wastewater/Sewer	Cyanides (as total CN)	composite	Biannual	Weekly	0.01	All values < ELV	0.001	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"	APHA-4500-CN-E	0.05	Decrease
SE1	Wastewater/Sewer	Mercury and compounds (as Hg)	composite	Biannual	Weekly	0.001	All values < ELV	0.001	mg/L	yes	ICP / ICPMS (Inductively Coupled Plasma - Mass Spectrometry)	APHA / AWWA "Standard Methods"	APHA-3120-B	0.01	Decrease
SE1	Wastewater/Sewer	Lead and compounds (as Pb)	composite	Annual	Weekly	0.005	All values < ELV	0.001	mg/L	yes	ICP / ICPMS (Inductively Coupled Plasma - Mass Spectrometry)	APHA / AWWA "Standard Methods"	APHA-3120-B	0.01	Decrease
SE1	Wastewater/Sewer	Zinc and compounds (as Zn)	composite	Annual	Weekly	0.1	All values < ELV	0.024	mg/L	yes	ICP / ICPMS (Inductively Coupled Plasma - Mass Spectrometry)	APHA / AWWA "Standard Methods"	APHA-3120-B	0.18	Decrease
SE1	Wastewater/Sewer	Copper and compounds (as Cu)	composite	Annual	Weekly	0.03	All values < ELV	0.018	mg/L	yes	ICP / ICPMS (Inductively Coupled Plasma - Mass Spectrometry)	APHA / AWWA "Standard Methods"	APHA-3120-B	0.13	Decrease
SE1	Wastewater/Sewer	Cadmium and compounds (as Cd)	composite	Annual	Weekly	0.005	All values < ELV	0.001	µg/L	yes	ICP / ICPMS (Inductively Coupled Plasma - Mass Spectrometry)	APHA / AWWA "Standard Methods"	APHA-3120-B	0.01	Decrease
SE1	Wastewater/Sewer	Arsenic and compounds (as As)	composite	Annual	Weekly	0.02	All values < ELV	0.001	mg/L	yes	ICP / ICPMS (Inductively Coupled Plasma - Mass Spectrometry)	APHA / AWWA "Standard Methods"	APHA-3120-B	0.01	Decrease
SE1	Wastewater/Sewer	Chromium and compounds (as Cr)	composite	Annual	Weekly	0.015	All values < ELV	0.001	mg/L	yes	ICP / ICPMS (Inductively Coupled Plasma - Mass Spectrometry)	APHA / AWWA "Standard Methods"	APHA-3120-B	0.01	Decrease
SE1	Wastewater/Sewer	Nickel and compounds (as Ni)	composite	Annual	Weekly	0.025	All values < ELV	0.001	mg/L	yes	ICP / ICPMS (Inductively Coupled Plasma - Mass Spectrometry)	APHA / AWWA "Standard Methods"	APHA-3120-B	0.01	Decrease

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

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

Continuous monitoring

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

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

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

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

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

Table W4: Summary of average emissions -continuous monitoring

Emission reference no:	Emission released to	Parameter/ Substance	ELV or trigger values in licence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission for current reporting year (kg)	% change +/- from previous reporting year	Monitoring Equipment Downtime (hours)	Number of ELV exceedences in reporting year	Comments
SE1	Wastewater/Sewer	volumetric flow	>170 M3/Day	24 hour	All values < ELV	m3/day	N/A				
SE1	Wastewater/Sewer	pH	<6; >8.5	24 hour	All values < ELV	pH units	N/A				

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

Table W5: Abatement system bypass reporting table

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

*Measures taken or proposed to reduce or limit bypass frequency

Bund testing

dropdown menu click to see options

Additional information

Are you required by your licence to undertake integrity testing on bunds and containment structures? If yes please fill out table B1 below listing all **new bunds and containment structures** on site, in addition to all bunds which failed the integrity test-**all bunding structures which failed including mobile bunds must be listed in the table 1 below**

2 Please provide integrity testing frequency period

Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)

4 How many bunds are on site?

5 How many of these bunds have been tested within the required test schedule?

6 How many mobile bunds are on site?

7 Are the mobile bunds included in the bund test schedule?

8 How many of these mobile bunds have been tested within the required test schedule?

9 How many sumps on site are included in the integrity test schedule?

10 How many of these sumps are integrity tested within the test schedule?

Please list any sump integrity failures in table B1

11 Do all sumps and chambers have high level liquid alarms?

12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?

Yes	
3 years	
Yes	
9	
9	
0	
SELECT	
N/A	
0	
N/A	
N/A	

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

Bund/Containment structure ID	Type	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
1	Other(MDPE)	N/A	Sodium Hydroxide	1130	1000	Hydraulic test	N/A		Yes	Pass	N/A	N/A	22/03/2016	
2	Other(MDPE)	N/A	Sodium Hypochlorite	1130	1000	Hydraulic test	N/A		Yes	Pass	N/A	N/A	22/03/2016	
3	Other(MDPE)	N/A	Polymer	1130	1000	Hydraulic test	N/A		Yes	Pass	N/A	N/A	22/03/2016	
4	Other(MDPE)	N/A	Hydrochloric Acid	1130	1000	Hydraulic test	N/A		Yes	Pass	N/A	N/A	22/03/2016	
5	Other(MDPE)	N/A	Boiler Chemicals	1130	1000	Hydraulic test	N/A		Yes	Pass	N/A	N/A	22/03/2016	
6	Other(MDPE)	N/A	Dils	1130	1000	Hydraulic test	N/A		Yes	Pass	N/A	N/A	22/03/2016	
7	Other(MDPE)	N/A	Waste	250	225	Hydraulic test	N/A		Yes	Pass	N/A	N/A	22/03/2016	
8 - Hypo Mixing Tank Bund	Steel (SS)	N/A	Wastewater/ Sodium Hypoc	7441	6600	Hydraulic test	N/A		Yes	Pass	N/A	N/A	22/03/2016	
9 - Stormwater Retention	Concrete	N/A	Stormwater	150,000		Hydraulic	Hydraulic test		Yes	Pass	N/A	N/A	22/03/2016	
10 - Sludge Reception Pit	Concrete	N/A	Waste	111,800		Hydraulic	Hydraulic test		Yes	Pass	N/A	N/A	22/03/2016	
11 - Quarantine	Concrete	N/A	Chemicals	92,000		Hydraulic	Hydraulic test		Yes	Pass	N/A	N/A	22/03/2016	

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

Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with

14 BS8007/EPA Guidance?

[bundings and storage guidelines](#)

15 Are channels/transfer systems to remote containment systems tested?

16 Are channels/transfer systems compliant in both integrity and available volume?

Yes	
Yes	Pipelines Tested
Yes	

Pipeline/underground structure testing

Are you required by your licence to undertake integrity testing on underground structures e.g. pipelines or sumps etc? If yes please fill out table 2 below listing all

1 underground structures and pipelines on site **which failed the integrity test**

2 Please provide integrity testing frequency period

Yes	
3 years	

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

Structure ID	Type system	Material of construction	Does this structure have Secondary containment?	Type of secondary containment	Type integrity testing	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
All Process Pipelines	Process	pvc	No	Pipe in channel	CCTV	Yes	Pass	N/A	N/A		SELECT
All Process Pipelines	Storm	pvc	No	Pipe in channel	CCTV	Yes	Pass	N/A	N/A		
All Process Pipelines	Foul	Mix (please specify)	No	Pipe in channel	CCTV	Yes	Pass	N/A	N/A		

All Pipelines & Tanks have passed integrity tests

	Comments
1 Are you required to carry out groundwater monitoring as part of your licence requirements?	yes
2 Are you required to carry out soil monitoring as part of your licence requirements?	no
3 Do you extract groundwater for use on site? If yes please specify use in comment section	no
4 Is there contaminated land and /or groundwater on site? If yes please answer q's 5-12	no
5 Is the contamination related to operations at the facility (either current and/or historic)	yes
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

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
23/01/2012	MW2 / MW3	COD	APHA 5220	Biannual	85	55.88	mg/l	N/A	N/A	data not available
23/01/2012	MW2 / MW3	DRO	GC-FID	Biannual	<0.01	0.01	mg/l	N/A	N/A	data not available
23/01/2012	MW2 / MW3	PRO	GC-FID	Biannual	<0.01	0.01	mg/l	N/A	N/A	data not available
23/01/2012	MW2 / MW3	Nitrate	APHA 4110	Biannual	26.7	8.42	mg/l	N/A	N/A	data not available
23/01/2012	MW2 / MW3	Ammonia	APHA 4500	Biannual	2.9	1.01	mg/l	N/A	N/A	data not available
23/01/2012	MW2 / MW3	Chloride	APHA 4110	Biannual	76.33	62.35	mg/l	N/A	N/A	data not available
23/01/2012	MW2 / MW3	Cadmium	APHA 3120	Biannual	0.012	0.00375	mg/l	N/A	N/A	data not available
23/01/2012	MW2 / MW3	Cobalt	APHA 3120	Biannual	0.001	0.001	mg/l	N/A	N/A	data not available
23/01/2012	MW2 / MW3	Iron	APHA 3120	Biannual	0.487	0.2414	mg/l	N/A	N/A	data not available
23/01/2012	MW2 / MW3	Managanese	APHA 3120	Biannual	0.11	0.04525	mg/l	N/A	N/A	data not available
23/01/2012	MW2 / MW3	Arsenic	APHA 3120	Biannual	0.001	0.001	mg/l	N/A	N/A	data not available
23/01/2012	MW2 / MW3	Organohalogenes	GC-FID	Biannual	0.01	0.01	mg/l	N/A	N/A	data not available
										data not available
							SELECT			no

Groundwater/Soil monitoring template

Lic No: W0211-01

Year

2012

.+ 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	unit	GTV's*	SELECT**	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
23/01/2012	MW1	COD	APHA 5220	Biannual	549	mg/l	N/A	N/A	data not available
23/01/2012	MW1	DRO	GC-FID	Biannual	<0.01	mg/l	N/A	N/A	data not available
23/01/2012	MW1	PRO	GC-FID	Biannual	<0.01	mg/l	N/A	N/A	data not available
23/01/2012	MW1	Nitrate	APHA 4110	Biannual	1.48	mg/l	N/A	N/A	data not available
23/01/2012	MW1	Ammonia	APHA 4500	Biannual	1.63	mg/l	N/A	N/A	data not available
23/01/2012	MW1	Chloride	APHA 4110	Biannual	52.49	mg/l	N/A	N/A	data not available
23/01/2012	MW1	Cadmium	APHA 3120	Biannual	0.001	mg/l	N/A	N/A	data not available
23/01/2012	MW1	Cobalt	APHA 3120	Biannual	0.001	mg/l	N/A	N/A	data not available
23/01/2012	MW1	Iron	APHA 3120	Biannual	0.117	mg/l	N/A	N/A	data not available
23/01/2012	MW1	Managanese	APHA 3120	Biannual	0.466	mg/l	N/A	N/A	data not available
23/01/2012	MW1	Arsenic	APHA 3120	Biannual	0.001	mg/l	N/A	N/A	data not available
23/01/2012	MW1	Organohalogenes	GC-FID	Biannual	0.01	mg/l	N/A	N/A	data not available
						SELECT			data not available
									SELECT

* please note exceedance of a relevant Groundwater threshold value (GTV) at a representative monitoring point does not indicate non compliance, an exceedance triggers further investigation to confirm whether the criteria for poor groundwater chemical status are being met.

**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](#) [Groundwater](#) [Drinking water \(private\)](#) [Drinking water \(public supply\)](#) [Interim Guideline Value](#)

Environmental Liabilities template

Lic No:

W0211-01

Year

2012

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

		Commentary	
1	ELRA initial agreement status	Submitted and not agreed by EPA;	
2	ELRA review status	Review required and completed	
3	Amount of Financial Provision cover required as determined by the latest ELRA	536,000	
4	Financial Provision for ELRA status	Submitted and not agreed by EPA;	
5	Financial Provision for ELRA - amount of cover	288,000	
6	Financial Provision for ELRA - type	Environmental Impairment Liability insurance	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	Closure 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	Environmental Impairment Liability insurance	
13	Financial provision for Closure expiry date	01/02/2014	

Environmental Management Programme/Continuous Improvement Programme template	Lic No: W0211-01	Year 2012
---	------------------	-----------

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	No	

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Reduction of emissions to Air	Install additional odour abatement	30	Works have started and due to be completed by end of Q1 2013	Individual	Installation of infrastructure
Reduction of emissions to Air	Complete smoke test on building	90	Smoke test building to examine for leaks and conduct necessary repairs where leaks are visible.	Individual	Reduced emissions
Reduction of emissions to Air	External contractor to assess Biofilter performance and make recommendations for improvement/ reduction of air emissions	20	Consultant due onsite to review performance and make appropriate recommendations for emissions reduction	Individual	Reduced emissions
Reduction of emissions to Wastewater	Engage with WWTP consultant	20	WWTP expert to review WWTP and devise relevant improvement measures	Individual	Reduced emissions

Noise monitoring summary report Lic No: W0211-01 Year: 2012

- 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? No
[Noise Guida](#)
- 3 Does your site have a noise reduction plan No
- 4 When was the noise reduction plan last updated?
- 5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey? 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)?
08/11/2012	09:23 - 10:23	N1	N/A	53.5	44.6	51.8		Yes	SELECT	Local traffic	Yes
08/11/2012	10:45- 11:45	N2	N/A	50.2	47.3	51.5		Yes	SELECT	Machinery & Audible Alarms	Yes
08/11/2012	11:49-12:49	N3	N/A	54.5	47.4	54.1		Yes	SELECT	Local traffic	Yes
08/11/2012	12:54-13:54	NSR	N/A	59.1	43.4	63		Yes	SELECT	Main contribution is local traffic	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?

nothing**

No noise issues

The noise contribution made by ERAS ECO Ltd, does not exceed the daytime limits of 55 dB at the onsite noise locations. The offsite NSR location is in excess of 55 dB, but this is due to the passing road traffic.

		Additional information
1	When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below	
2	Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI programme linked to the right? If yes please list them in additional information 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	no

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWhrs)				
Total Energy Generated (MWhrs)				
Total Renewable Energy Generated (MWhrs)				
Electricity Consumption (MWhrs)	609	449	70%	
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)	9,563	2,813		
Natural gas (CMN)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass (tonnes/ pa)	2426.95	2011.18	70%	
Renewable energy generated on site				

* compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.
 ** production information is available please enter percentage increase or decrease compared to previous year

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*	Water Emissions		Water Consumption	
					Volume Discharged back to environment(m ³ /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:	
Groundwater	None							
Surface water	None							
Public supply	6,701	4,124	70%	73%	7,487		Unknown	
Recycled water	N/A							
Total								

* compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.
 ** production information is available please enter percentage increase or decrease compared to previous year

	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)			<1		
Non-Hazardous (Tonnes)					

Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
2009/2010	Explore alternative boiler fuels	amine use of other fu	Energy audit	~30%	2010 - Onwards	Facility Manager	Ongoing	Ongoing
2009/2010	Optimise Dryer Performance	Six Sigma Study	Energy audit	15-20%	2010 - Onwards	Facility Manager	Ongoing	Ongoing
			SELECT					

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					

WASTE SUMMARY		Lic No:	W0211-01	Year	2012
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES			PRTR facility logs	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 <u>accepted onto</u> 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)	Yes
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)

Licensed annual tonnage limit for your site (total tonnes/annum)	EWG code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which applies to relevant EWG code	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	02 07 04	02-WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING	Powders from Industrial Plants	224.9	110.34	203%	Increase in Waste Accepted	TBC	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting as another biological transformation processes)which includes gasification and pyrolysis	70	
110,000	02 07 05	02-WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING	Sludges from Industrial Plant's	665.02	817.58	81%	Decrease in Waste Accepted	N/A	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting as another biological transformation processes)which includes gasification and pyrolysis	0	
110,000	02 01 04	02-WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING	Waste Plastics from Agriculture	1020.82	0	Increase	Increase in Waste Accepted	N/A	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	0	
110,000	05 01 10	05- WASTES FROM PETROLEUM REFINING, NATURAL GAS PURIFICATION AND PYROLYTIC TREATMENT OF COAL	Sludges from Industrial Refining	5.92	22.64	Decrease	Decrease in Waste Accepted	N/A	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting as another biological transformation processes)which includes gasification and pyrolysis	0	
110,000	07 05 12	07- WASTES FROM ORGANIC CHEMICAL PROCESSES	Sludges from Organic Chemical Processing	4,628.08	6,436.73	72%	Reduction in sludge accepted onsite	N/A	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting as another biological transformation processes)which includes gasification and pyrolysis	100	
110,000	10 10 06	10- WASTES FROM THERMAL PROCESSES	Sludges from Thermal processes	8.56	35.68	23%		N/A	R5-Recycling/reclamation or other inorganic materials which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials	0	
110,000	15 01 02	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Plastic Packaging	189.705	0	Increase	Increase in Waste Accepted	TBC	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	15	

