

Facility Information Summary	
AER Reporting Year	2019
Licence Register Number	P0811-02
Name of site	Dunbia (Slane)
Site Location	No
NACE Code	1011
Class/Classes of Activity	8 (a) The operation of slaughterhouses with a carcass production capacity greater than 50 tonnes per day.
National Grid Reference (6E, 6 N)	-6.55722 536684
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.	<p>Dunbia (Slane) operates a slaughtering facility, where animals are received in and carcasses are dispatched out following processing. In 2019 production and total energy increased. There was 1 fugitive emission to air due to refrigerant gas leak in 2019, but they were not deemed significant to require notification to the EPA, they were included in PIEDC return. There was no exceedances of ELVs for storm water monitoring at SW2 in 2019</p> <p style="color: red; transform: rotate(-45deg); opacity: 0.5;">Consent of copyright owner required for any other use. For inspection purposes only.</p>
<u>Darragh O'Connor</u>	31/03/2020
Signature EHS Officer <small>(or nominated, suitably qualified and experienced deputy)</small>	Date

AIR-summary template	Lic No: P0811-02	Year: 2019
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Answer all questions and complete all tables where relevant

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

No	Additional information C1.1 States there shall be no emissions to air of environmental significance.
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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	Not applicable
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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](#) 5497.64

No	Not Applicable
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Table A1: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision thereof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments - reason for change in % mass load from previous year if applicable
Not Applicable				SELECT		SELECT	SELECT	SELECT		
	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

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Continuous Monitoring		

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Did your site experience any abatement system bypasses? If yes please detail them in table A3 below

28/03/2018	Not Applicable
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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
Not Applicable	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
Not Applicable					

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

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

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Solvent use and management on site

8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5

No	Not Applicable
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Table A4: Solvent Management Plan Summary		Solvent regulations Please refer to linked solvent regulations to complete table 5 and 6			
Total VOC Emission limit value					
Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)	Total VOC emissions as %of solvent input	Total Emission Limit Value (ELV) in licence or any revision thereof	Compliance
Not Applicable					SELECT
					SELECT

Table A5: Solvent Mass Balance summary								
	(I) Inputs (kg)	(O) Outputs (kg)						
Solvent	(I) Inputs (kg)	Organic solvent emission in waste	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g.	Solvents destroyed onsite	Total emission of Solvent to air (kg)
Not Applicable								
							Total	

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AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)	Lic No: P0811-02	Year: 2019	
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	Yes	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 <u>only</u> need to complete table W1 and or W2 for storm water analysis and visual inspections	Yes	SW 2 Storm Water Discharge requires monitoring as does effluent extracted from the HDPE Lagoon.
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 <u>only any evidence of contamination noted during visual inspections</u>	Yes	It was a requirement to carry out visual monitoring on SW 2 discharge to Tributary of River Boyne on a weekly basis for odour and colour, no issues were noted.

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
SW 2	Downstream		pH	2019 Average	6 to 9	No pH value shall deviate from the specified range.	Annual Average - 7.11	pH units	yes	No ELV Exceedences in 2019
SW 2	Downstream		Conductivity	2019 Average	1600µS/cm	All results < 1.2 x ELV	Annual Average - 760	µS/cm @20oC	yes	No ELV Exceedences in 2019
SW 2	5497.64		COD	2019 Average	80mg/L	All results < 1.2 x ELV	Annual Average - 30	mg/L	yes	No ELV Exceedences in 2019
SW 2	Downstream		Total Ammonia (as N)	2019 Average	2mg/L	All results < 1.2 x ELV	Annual Average - 0.35	mg/L	yes	No ELV Exceedences in 2019
SW 2	Downstream		Total Nitrogen	2019 Average	5mg/L	All results < 1.2 x ELV	Annual Average - 1.57	mg/L	yes	No ELV Exceedences in 2019

*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		

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															
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	Yes	All monitoring was carried out in accordance with EPA guidance.														
4	HDPE Lagoon	Wastewater/Sever (Via Tanker)	pH	discrete	Weekly	28/03/2018	None	No pH value shall deviate from the specified range	7.29	pH units	yes	pH Meter (Electrode)	ISO	ISO 10523	7.11	No limits in licence for effluent removed by tanker.
	HDPE Lagoon	Wastewater/Sever (Via Tanker)	COD	discrete	Weekly	Anually	None	All results < 1.2 x ELV	704.00	mg/L	yes	Spectrophotometry (Colorimetry)	ISO	ISO 15705	22,889	No limits in licence for effluent removed by tanker.

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AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)															
		Lic No: P0811-02				Year 2019									
HDPE Lagoon	Wastewater/Sewer (Via Tanker)	BOD	discrete	Weekly	Annually	None	All results < 1.2 x ELV	300.00	mg/L	yes	Dissolved Oxygen Meter (Electrode)	ISO	ISO 5815-1	13,515	No limits in licence for effluent removed by tanker.
HDPE Lagoon	Wastewater/Sewer (Via Tanker)	Suspended Solids	discrete	Weekly	Annually	None	All results < 1.2 x ELV	39.0	mg/L	yes	Gravimetric analysis	ISO	ISO 11923	764	No limits in licence for effluent removed by tanker.

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

Does your site carry out continuous emissions to water/sewer monitoring?

Additional Information	
Yes	An on-line flow meter continuously records flow of wastewater generated on site (Water Inflow meter is considered to represent wastewater generated) A specific effluent discharge meter was installed in February 2014 and has been calibrated.

5

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

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AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: P0811-02 Year 2019

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	A proactive service contract is not in place for the meter used to monitor effluent generated. However the effluent discharge meter is listed on the site maintenance system and is serviced/calibrated on an annual basis, and any repairs made to ensure it is calibrated correctly if required.
8 Did abatement system bypass occur during the reporting year? If yes please complete table W5 below	No	All wastewater passed through a screen, DAF Unit and the HDPE Lagoons prior to removal to a local WWTP by tanker in 2018.

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
HDPE Lagoon	Wastewater/Se wer (Via Tanker)	volumetric flow	None	Anually	No flow value shall exceed the .specific limit	m3	20,036	-18.25	0	0	No ELV set on volume of wastewater that can be removed to local wastewater treatment plant for further treatment by tanker.

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?
N/A						SELECT	

*Measures taken or proposed to reduce or limit bypass frequency

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Bund testing dropdown menu click to see options

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

Additional information	
Yes	Integrity test was completed on 10/03/18 of all bunds.
3 years	
No	No specific register is maintained however every three years all bunds and underground pipes, tanks, sumps and containers are tested and the report will detail the location and details.
	12
	12
	10
Yes	
	8
	4

2 Please provide integrity testing frequency period No
 3 Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)

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 mo 5497.64
 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?

No	The lairage tank does not have a high level alarm. However this only has liquid added to it when an operative is washing down the lairage or during production when animals are held in the lairage, therefore operative will immediately noticed if the level of this tank is high. The concrete sump pit does not need a high level alarm as if it overfills it wil flow to the slatted tank which has a high level alarm.
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Yes	The high level alarm on the slatted tank is part of a weekly preventative maintenance check.
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If yes to Q11 are these failsafe systems included in a maintenance and testing programme?

Bund/Pipeline testing template	Lic No: P0811-02	Year: 2019
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Is the Fire Water Retention Pond included in your integrity test programme?

Yes	The firewater retention pond in 2013 was identified as the emergency pond of the ICWs. However testing of these ponds demonstrated that they were not 100% impervious to liquid stored therein, therefore firewater storage will now be in the new lined lagoon which was completed on 17/02/2014. The lined lagoon has been included in the integrity test programme.
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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)
Storm Water Tank	reinforced concrete		Storm water	2.7m3	2.0 m3	Hydraulic test		21/03/2018	Yes	Pass				
DAF Nurse Tank	other (please specify)	Steel Tanker	DAF Sludge	30m3	25m3	Structural assessment		15/01/2019	Yes	Pass				

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

28/03/2018

Commentary

15 Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance?

[bundling and storage guidelines](#)

Yes	Integrity test was completed on 10/03/18. All bund and containment structures have been tested.
Yes	
Yes	

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

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

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
 1 all underground structures and pipelines on site **which failed the integrity test and all which have not been tested within the integrity test period as specified**
 2 Please provide integrity testing frequency period
 *please note integrity testing means water tightness testing for process and foul pipelines (as required under your licence)

Yes	CCTV survey completed on all pipework on 09/09/2019.
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)
Section 26 - AJFx1	Foul	pvc	No	None	CCTV	Yes	Fail	Broken pipe from 10 o'clock to 12 o'clock	Dig down and replace broken section	TBC	
Section 2 - SW5.1x	Storm	pvc	No	None	CCTV	Yes	Fail	Joint Displaced 50mm of diameter	Dig down and replace joint.	TBC	
Section 4 - SW6x	Storm	pvc	No	None	CCTV	Yes	Fail	Joint Displaced 50mm of diameter	Dig down and replace joint.	TBC	
Section 15 - SW1.4x	Storm	pvc	No	None	CCTV	Yes	Fail	Joint Displaced 50mm of diameter	Dig down and replace joint.	TBC	
Section 26 - AJFx1	Storm	pvc	No	None	CCTV	Yes	Fail	Joint Displaced 50mm of diameter	Dig down and replace joint.	TBC	

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Groundwater/Soil monitoring template	Lic No:	P0811-02	Year	2019
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		Comments	
1 Are you required to carry out groundwater monitoring as part of your licence requirements?	yes	On site monitoring wells are required to be monitored on a biannual basis.	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?	yes	Required for all lands included in landbank which Dunbia spread on. Included in NMPs approved by EPA.	
3 Do you extract groundwater for use on site? If yes please specify use in comment section	yes	Most water used on site is from groundwater abstraction, is primarily used for washing and cleaning purposes. Water from Rainwater harvesting and tankered water from local Council is also used on site.	
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.	yes	Hydrogeological report has been submitted to EPA showing GTVs have been exceeded but the values appear to be reducing following commencement of ICW decommissioning. Once decommissioning is complete it is expected results will return to compliance with IGVs.	IGVs have been exceeded for a number of parameters in groundwater monitoring points. It is believed that the on-site Integrated Constructed Wetlands (ICWs) were a significant source of nutrients in the groundwater which are causing these IGVs to be exceeded. The upgradient groundwater monitoring point also demonstrated some IGV exceedances therefore it is likely that there is another source of groundwater contamination off-site such as landspreading by local farmers. However at present natural attenuation is now underway following decommissioning of ICWs which was completed in October 2015. The majority of the parameters are showing a downward trend of pollutant, ammonia seems to be slightly increased at a couple of monitoring points. This ammonia increase is likely to be due to natural break down of organic matter which entered this area when the ICWs were in operation. It is expected that as Nitrogen has reduced, that ammonia will also reduce next year as the natural attenuation progresses. This will be further aided by planting of grass in the decommissioned ICW area as this will utilise nutrients in this area.
5 Is the contamination related to operations at the facility (either current and/or historic)	yes	Is linked to previous operations for effluent treatment (ICW ponds).	
6 Have actions been taken to address contamination issues? If yes please summarise remediation strategies proposed/undertaken for the site	yes	Actions have been taken, and a decommissioning plan for the ICWs has been approved by EPA. ICWs were fully decommissioned in 2015. New lined HDPE lagoons as approved by EPA have been in operation since Feb 2014.	

Groundwater/Soil monitoring template		Lic No:	P0811-02	Year	2019
7 Please specify the proposed time frame for the remediation strategy	yes	Source of contamination has been removed from site in 2015, and natural attenuation is now underway.			
8 Is there a licence condition to carry out/update ELRA for the site?	yes	This was completed on 10/09/2018			
9 Has any type of risk assessment been carried out for the site?	yes				
10 Has a Conceptual Site Model been developed for the site?	yes				
11 Have potential receptors been identified on and off site?	yes				
12 Is there evidence that contamination is migrating offsite?	No	Contamination was identified by site monitoring as being localised and organic in nature. Therefore when the source of the contamination is removed attenuation of the contamination will automatically occur.			

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
25/06/2019 & 12/12/2019	Monitoring Well M1	pH	pH Meter (Electrode)	Bi-Annually	6.84	6.81	pH units	6.5 to 9.5	IGV	No
25/06/2019 & 12/12/2019	Monitoring Well M1	COD	Spectrophotometry (Colorimetry)	Bi-Annually	15	11	mg/L	-	None Given	No
25/06/2019 & 12/12/2019	Monitoring Well M1	Nitrate	Spectrophotometry (Colorimetry)	Bi-Annually	60.14	36.05	mg/L	25	IGV	Yes
25/06/2019 & 12/12/2019	Monitoring Well M1	Total Ammonia	Spectrophotometry (Colorimetry)	Bi-Annually	9.23	5.54	mg/L	0.15	IGV	No
25/06/2019 & 12/12/2019	Monitoring Well M1	Total Nitrogen	Spectrophotometry (Colorimetry)	Bi-Annually	74.2	45.9	mg/L	-	None Given	No
25/06/2019 & 12/12/2019	Monitoring Well M1	Conductivity	Conductivity Meter (Electrode)	Bi-Annually	1341.00	1029.5	µS/cm @20°C	1000	IGV	No

.+ 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

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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
25/06/2019 & 12/12/2019	Monitoring Well M2	pH	pH Meter (Electrode)	Bi-Annually	6.95	6.88	pH units	6.5 to 9.5	IGV	No
25/06/2019 & 12/12/2019	Monitoring Well M2	COD	Spectrophotometry (Colorimetry)	Bi-Annually	22	15	mg/L	-	None Given	No
25/06/2019 & 12/12/2019	Monitoring Well M2	Nitrate	Spectrophotometry (Colorimetry)	Bi-Annually	13.17	9.3	mg/L	25	IGV	Yes
25/06/2019 & 12/12/2019	Monitoring Well M2	Total Ammonia	Spectrophotometry (Colorimetry)	Bi-Annually	13.84	9.1	mg/L	0.15	IGV	No
25/06/2019 & 12/12/2019	Monitoring Well M2	Total Nitrogen	Spectrophotometry (Colorimetry)	Bi-Annually	29	21.5	mg/L	-	None Given	No
25/06/2019 & 12/12/2019	Monitoring Well M2	Conductivity	Conductivity Meter (Electrode)	Bi-Annually	9.82	949	µS/cm @20°C	1000	IGV	No
25/06/2019 & 12/12/2019	Monitoring Well M3	pH	pH Meter (Electrode)	Bi-Annually	6.68	6.65	pH units	6.5 to 9.5	IGV	No
25/06/2019 & 12/12/2019	Monitoring Well M3	COD	Spectrophotometry (Colorimetry)	Bi-Annually	34	23	mg/L	-	None Given	Yes
25/06/2019 & 12/12/2019	Monitoring Well M3	Nitrate	Spectrophotometry (Colorimetry)	Bi-Annually	4.8	2.97	mg/L	25	IGV	No
25/06/2019 & 12/12/2019	Monitoring Well M3	Total Ammonia	Spectrophotometry (Colorimetry)	Bi-Annually	0.3	0.19	mg/L	0.15	IGV	No
25/06/2019 & 12/12/2019	Monitoring Well M3	Total Nitrogen	Spectrophotometry (Colorimetry)	Bi-Annually	6.8	4.4	mg/L	-	None Given	No
25/06/2019 & 12/12/2019	Monitoring Well M3	Conductivity	Conductivity Meter (Electrode)	Bi-Annually	10410	7390	µS/cm @20°C	1000	IGV	Yes
25/06/2019 & 12/12/2019	Monitoring Well M4	pH	pH Meter (Electrode)	Bi-Annually	6.98	6.95	pH units	6.5 to 9.5	IGV	No
25/06/2019 & 12/12/2019	Monitoring Well M4	COD	Spectrophotometry (Colorimetry)	Bi-Annually	3	3	mg/L	-	None Given	No
25/06/2019 & 12/12/2019	Monitoring Well M4	Nitrate	Spectrophotometry (Colorimetry)	Bi-Annually	6.98	6.84	mg/L	25	IGV	No
25/06/2019 & 12/12/2019	Monitoring Well M4	Total Ammonia	Spectrophotometry (Colorimetry)	Bi-Annually	1.35	1.08	mg/L	0.15	IGV	Yes
25/06/2019 & 12/12/2019	Monitoring Well M4	Total Nitrogen	Spectrophotometry (Colorimetry)	Bi-Annually	8.7	7.7	mg/L	-	None Given	No
25/06/2019 & 12/12/2019	Monitoring Well M4	Conductivity	Conductivity Meter (Electrode)	Bi-Annually	921	919	µS/cm @20°C	1000	IGV	No
25/06/2019 & 12/12/2019	Monitoring Well M5	pH	pH Meter (Electrode)	Bi-Annually	7.3	7.21	pH units	6.5 to 9.5	IGV	No
25/06/2019 & 12/12/2019	Monitoring Well M5	COD	Spectrophotometry (Colorimetry)	Bi-Annually	9	6	mg/L	-	None Given	No
25/06/2019 & 12/12/2019	Monitoring Well M5	Nitrate	Spectrophotometry (Colorimetry)	Bi-Annually	2	1.23	mg/L	25	IGV	No
25/06/2019 & 12/12/2019	Monitoring Well M5	Total Ammonia	Spectrophotometry (Colorimetry)	Bi-Annually	1.54	1.19	mg/L	0.15	IGV	Yes

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25/06/2019 & 12/12/2019	Monitoring Well M5	Total Nitrogen	Spectrophotometry (Colorimetry)	Bi-Annually	2.3	2.15	mg/L	-	None Given	Yes
25/06/2019 & 12/12/2019	Monitoring Well M5	Conductivity	Conductivity Meter (Electrode)	Bi-Annually	970	926	µS/cm @20°C	1000	IGV	Yes
25/06/2019 & 12/12/2019	Pumping Well GW1 (BW1)	pH	pH Meter (Electrode)	Bi-Annually	7.46	7.27	pH units	6.5 to 9.5	IGV	No
25/06/2019 & 12/12/2019	Pumping Well GW1 (BW1)	COD	Spectrophotometry (Colorimetry)	Bi-Annually	3	3	mg/L	-	None Given	No
25/06/2019 & 12/12/2019	Pumping Well GW1 (BW1)	Nitrate	Spectrophotometry (Colorimetry)	Bi-Annually	2.49	2.04	mg/L	25	IGV	No
25/06/2019 & 12/12/2019	Pumping Well GW1 (BW1)	Total Ammonia	Spectrophotometry (Colorimetry)	Bi-Annually	0.03	0.025	mg/L	0.15	IGV	No
25/06/2019 & 12/12/2019	Pumping Well GW1 (BW1)	Total Nitrogen	Spectrophotometry (Colorimetry)	Bi-Annually	3.3	2.45	mg/L	-	None Given	No
25/06/2019 & 12/12/2019	Pumping Well GW1 (BW1)	Conductivity	Conductivity Meter (Electrode)	Bi-Annually	741	735	µS/cm @20°C	1000	IGV	Yes
25/06/2019 & 12/12/2019	Pumping Well GW2 (BW2)	pH	pH Meter (Electrode)	Bi-Annually	7.51	7.3	pH units	6.5 to 9.5	IGV	No
25/06/2019 & 12/12/2019	Pumping Well GW2 (BW2)	COD	Spectrophotometry (Colorimetry)	Bi-Annually	9	6	mg/L	-	None Given	No
25/06/2019 & 12/12/2019	Pumping Well GW2 (BW2)	Nitrate	Spectrophotometry (Colorimetry)	Bi-Annually	1	0.73	mg/L	25	IGV	Yes
25/06/2019 & 12/12/2019	Pumping Well GW2 (BW2)	Total Ammonia	Spectrophotometry (Colorimetry)	Bi-Annually	0.03	0.025	mg/L	0.15	IGV	No
25/06/2019 & 12/12/2019	Pumping Well GW2 (BW2)	Total Nitrogen	Spectrophotometry (Colorimetry)	Bi-Annually	1.8	1.4	mg/L	-	None Given	No
25/06/2019 & 12/12/2019	Pumping Well GW2 (BW2)	Conductivity	Conductivity Meter (Electrode)	Bi-Annually	737	693	µS/cm @20°C	1000	IGV	No
25/06/2019 & 12/12/2019	Pumping Well GW3 (BW3)	pH	pH Meter (Electrode)	Bi-Annually	7.3	7.2	pH units	6.5 to 9.5	IGV	Data Not Available
25/06/2019 & 12/12/2019	Pumping Well GW3 (BW3)	COD	Spectrophotometry (Colorimetry)	Bi-Annually	3	3	mg/L	-	None Given	Data Not Available
25/06/2019 & 12/12/2019	Pumping Well GW3 (BW3)	Nitrate	Spectrophotometry (Colorimetry)	Bi-Annually	1.22	0.84	mg/L	25	IGV	Data Not Available
25/06/2019 & 12/12/2019	Pumping Well GW3 (BW3)	Total Ammonia	Spectrophotometry (Colorimetry)	Bi-Annually	0.04	0.03	mg/L	0.15	IGV	Data Not Available
25/06/2019 & 12/12/2019	Pumping Well GW3 (BW3)	Total Nitrogen	Spectrophotometry (Colorimetry)	Bi-Annually	2.1	1.55	mg/L	-	None Given	Data Not Available
25/06/2019 & 12/12/2019	Pumping Well GW3 (BW3)	Conductivity	Conductivity Meter (Electrode)	Bi-Annually	740	700	µS/cm @20°C	1000	IGV	Data Not Available
Decommissioned With ICWs	Lysimeter 1	pH	pH Meter (Electrode)	Bi-Annually	-	-	pH units	6.5 to 9.5	IGV	Data Not Available
Decommissioned with ICWs	Lysimeter 1	BOD	Dissolved Oxygen Meter (Electrode)	Bi-Annually	-	-	mg/L	-	None Given	Data Not Available

Groundwater/Soil monitoring template Lic No: P0811-02 Year 2019

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

More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the link in G31) [Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites \(EPA 2013\).](#)

**Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV e.g. if the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS), If the site is close to a drinking water supply compare results to the Drinking Water Standards (DWS) [Surface water EQS](#) [Groundwater regulations GTV's](#) [Drinking water \(private supply\) standards](#) [Drinking water \(public supply\) standards](#) [Interim Guideline Values \(IGV\)](#)

Table 3: Soil results

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



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

			Commentary
1	ELRA initial agreement status	Submitted and not agreed by EPA;	Report dated 10/09/2018 was completed by Panther Environmental and submitted to EPA.
2	ELRA review status	Submitted and not agreed by EPA;	
3	Amount of Financial Provision cover required as determined by the latest ELRA	€ 175,663	
4	Financial Provision for ELRA status	Required but not submitted	
5	Financial Provision for ELRA - amount of cover	£10,000,000	
6	Financial Provision for ELRA - type	Public Liability Insurance	
7	Financial provision for ELRA expiry date	30/03/2020	
8	Closure plan initial agreement status	Closure plan submitted and not agreed by EPA	
9	Closure plan review status	Review required and completed	Decommissioning plan was reviewed with particular emphasis placed on ICWs and submitted to EPA for approval in 2014, approval was granted and ICWs were fully decommissioned by October 2015.
10	Financial Provision for Closure status	Required but not submitted	
11	Financial Provision for Closure - amount of cover	£10,000,000	
12	Financial Provision for Closure - type	Public Liability Insurance	
13	Financial provision for Closure expiry date	30/03/2020	

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Environmental Management Programme/Continuous Improvement Programme template		Lic No:	P0811-02	Year	2019
Highlighted cells contain dropdown menu click to view		Additional Information			
1	Do you maintain an Environmental Management System (EMS) for the site. If yes, please detail in additional information	Yes	A basic environmental system is maintained in line with the requirements of the IPPC licence.		
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	The ELRA identified the most significant aspects and impacts.		
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	Objectives and targets have been set.		
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	Procedure DIS/EC - Environmental Communication		

Environmental Management Programme (EMP) report					
Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Reduction of emissions to Air	Switch off refrigeration in chills immediately if chills are empty.	100%	Periodic checks by Site Environmental Representative and Factory Manager have confirmed chills are switched off as soon as they are empty.	Factory Manager & Site Environmental Representative	Complete.
Reduction of emissions to Air	Complete a feasibility study to determine if the fuel used to supply the boiler can be changed to gas	100%	Feasibility study was completed and boiler was replaced, towards end of 2014, and monitored in 2015 to ensure was performing well.	Maintenance Manager	Complete in November 2014.
Additional improvements	Review Environmental Awareness Training and spillage response training matrix, and provide refresher training if required.	95%	HR Manager confirmed 95% of employees have up-to-date environmental awareness training & spillage response training is up-to-date.	HR Manager	Improved Environmental Management Practices
Groundwater protection	Provide a waste water treatment plant: Within 24 months of date of grant of this license all waste water from the installation shall be directed to the Waste water treatment plant.	100%	It was agreed with the agency that lined lagoons with off-site treatment would be installed as an alternative to a wastewater treatment plant. These were fully installed and approved for use by the agency in February 2014.	Managing Director	Increased compliance with licence conditions
Groundwater protection	The licensee shall remediate the ICWs within 12 months of sending all wastewater to the Waste Water Treatment Works.	100%	Decommissioning of ICWs was fully completed in 2015.	Managing Director	Increased compliance with licence conditions

Environmental Management Programme/Continuous Improvement Programme template				Lic No:	P0811-02	Year	2019
IPPC Licence Requirements	Complete Annual Noise Assessment	100%	Noise assessment completed in 2019	Site Environmental Representative		Increased compliance with licence conditions	
IPPC Licence Requirements	Weekly inspection of drainage system, bunds, over ground pipes carrying anything other than water for leaks, & properly maintained.	100%	Inspection completed as part of weekly environmental checksheet.	Maintenance Manager		Increased compliance with licence conditions	
IPPC Licence Requirements	Prepare & Report a Pollutant Release & Transfer Register (PRTR)	100%	Submitted in March 2019.	Group Senior Environmental Officer		Increased compliance with licence conditions	

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Noise monitoring summary report Lic No: P0811-02 Year 2019

- 1 Was noise monitoring a licence requirement for the AER period?
If yes please fill in table N1 noise summary below
- 2 Was noise monitoring carried out using the EPA Guidance note, including completion of the "Checklist for noise measurement report" included in the guidance note as table 6?
[Noise Guidance note NG4](#)
- 3 Does your site have a noise reduction plan
- 4 When was the noise reduction plan last updated?
- 5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?

Yes
Yes
Yes
16/12/2019
Yes

Table N1: Noise monitoring summary

Date of monitoring	5497.64	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 <u>site</u> compliant with noise limits (day/evening/night)?
21/10/2019	13.49 - 15.19	N/A	RA1 - House along roadway leading to site, east of site ~300m from site.	59	44	53		No	N/A	Arithmetic average of 3 readings recorded in this table. Site visible from this house. Minor road, hedgerow and field between this house and the site. Some lorry movement audible on-site and forklifts. Passing road traffic audible during all periods.	Yes

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21/10/2019	21.38 - 22.08	N/A	RA1 - House along roadway leading to site, east of site ~300m from site.	44	32	38	-	No	N/A	Arithmetic average of 3 readings recorded in this table. Site visible from this house. Minor road, hedgerow and field between this house and the site. Some lorry movement audible on-site and forklifts. Passing road traffic audible during all periods.	Yes
21/10/2019	23.47 - 00.18	N/A	RA1 - House along roadway leading to site, east of site ~300m from site.	42	31	37	-	No	Yes	Arithmetic average of 3 readings recorded in this table. Site visible from this house. Minor road, hedgerow and field between this house and the site. Some lorry movement audible on-site and forklifts. Passing road traffic audible during all periods. 3 cars passed during 1st night reading.	Yes
21/10/2019	12.20 - 13.50	N/A	RA2 - House along roadway leading to site, north of site ~250m from site.	55	42	48	-	No	N/A	This house is elevated from the site. Very little site noise audible. Tanker loading and forklifts operating during daytime. Between house and site there is a minor road, hedgerows and fields. The house lies right along the road. Passing traffic audible during all periods. Car from RA2 pulled up during 1st daytime reading.	Yes

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21/10/2019	20.59 - 21.29	N/A	RA2- House along roadway leading to site, north of site ~250m from site.	43	35	39	-	No	N/A	This house is elevated from the site. Very little site noise audible. Tanker loading and forklifts operating during daytime. Between house and site there is a minor road, hedgerows and fields. The house lies right along the road. Passing traffic audible during all periods. Car from RA2 pulled up during 1st daytime reading.	Yes
21/10/2019	23.10 - 23.40	N/A	RA2- House along roadway leading to site, north of site ~250m from site.	49	31	38	-	No	N/A	This house is elevated from the site. Very little site noise audible. Tanker loading and forklifts operating during daytime. Between house and site there is a minor road, hedgerows and fields. The house lies right along the road. Passing traffic audible during all periods. Car from RA2 pulled up during 1st daytime reading.	Yes
21/10/2019	12.13 - 13.43	N/A	RA3 - House along roadway leading to site, north of site ~300m from site.	43	40	44	-	No	N/A	Very little site noise audible. Tanker loading and forklifts operating during daytime. Hedge strimmer operating during the day. The house lies along the minor road, so road traffic is audible.	Yes

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21/10/2019	20.58 - 21.28	N/A	RA3 - House along roadway leading to site, north of site ~300m from site.	37	33	38	-	No	N/A	Very little site noise audible. Tanker loading and forklifts operating during daytime. Hedge strimmer operating during the day. The house lies along the minor road, so road traffic is audible.	Yes
21/10/2019	23.08 - 23.38	N/A	RA3 - House along roadway leading to site, north of site ~300m from site.	38	31	37	-	No	N/A	Very little site noise audible. Tanker loading and forklifts operating during daytime. Hedge strimmer operating during the day. The house lies along the minor road, so road traffic is audible.	Yes
21/10/2019	13.57 - 15.30	N/A	RA4 - House along roadway leading to site, south of site near crossroads ~520 m from site.	63	42	57	-	No	N/A	Site noise is not generally audible at this house, given the distance from here to the site. Fields and hedgerow lie between this house and the site. House beside agricultural sheds and public road. Passing road traffic audible during all periods. Dog also barking at farm of RA4 during daytime period and noise from cows in shed during the evening and night.	Yes

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21/10/2019	21.45 - 22.15	N/A	RA4 - House along roadway leading to site, south of site near crossroads--520 m from site.	46	42	57	-	No	N/A	Site noise is not generally audible at this house, given the distance from here to the site. Fields and hedgerow lie between this house and the site. House beside agricultural sheds and public road. Passing road traffic audible during all periods. Dog also barking at farm of RA4 during daytime period and noise from cows in shed during the evening and night.	Yes
21/10/2019 - 22/10/2019	23.55 - 00.25	N/A	RA4 - House along roadway leading to site, south of site near crossroads--520 m from site.	46	33	43	-	No	N/A	Site noise is not generally audible at this house, given the distance from here to the site. Fields and hedgerow lie between this house and the site. House beside agricultural sheds and public road. Passing road traffic audible during all periods. Dog also barking at farm of RA4 during daytime period and noise from cows in shed during the evening and night.	Yes

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21/10/2019	15.29 - 16.59	N/A	Houses to south west of site on the Yellow Furze road just off the L1013 roadway ~500m from site	53	41	55	-	No	N/A	This location is on the Yellow Furze road just off the L1013 road. Site noise is not audible. There was a lot of traffic on the Yellow Furze road and the L1013 road during the daytime period. Passing road traffic audible during all periods. Aeroplane passing during evening period.	Yes
21/10/2019	22.28 - 22.58	N/A	Houses to south west of site on the Yellow Furze road just off the L1013 roadway ~500m from site	52	41	55	-	No	N/A	This location is on the Yellow Furze road just off the L1013 road. Site noise is not audible. There was a lot of traffic on the Yellow Furze road and the L1013 road during the daytime period. Passing road traffic audible during all periods. Aeroplane passing during evening period.	Yes
21/10/2019 - 22/10/2019	23.20 - 00.21	N/A	Houses to south west of site on the Yellow Furze road just off the L1013 roadway ~500m from site	31	24	34	-	No	N/A	This location is on the Yellow Furze road just off the L1013 road. Site noise is not audible. There was a lot of traffic on the Yellow Furze road and the L1013 road during the daytime period. Passing road traffic audible during all periods. Aeroplane passing during evening period.	Yes

28/03/2018

*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?

noise reduction plan

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

Vacuum pump from Washdown tank has been removed from site. Also old Refrigerated Container Trailers were replaced with newer models that produce less noise

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- 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 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

Additional information	
14/03/2012	14/03/12 was last energy audit in EPA format, however Modus Energy completed an energy audit of the site in July 2018
Yes	Bord Bia Origin Green Programme. Also a certified ISO 500001
No	Boiler on site is LPG Gas

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)	4,037.51	4,270.72	-1.26	
5497.64	7.76	13.7	65%	
Total Renewable Energy Generated (MWHrs)			0	0
Electricity Consumption (MWHrs)	2,618.97	2,547.37	-9.22	
Fossil Fuels Consumption:				
Kerosene (m3)			0	0
Gas Oil (m3)	6.220	9.849	47.84%	
Natural gas (m3)	194.15	232.55	11.81%	
Coal/Solid fuel (metric tonnes)			0	0
Peat (metric tonnes)			0	0
Renewable Biomass			0	0
Renewable energy generated on site			0	0

* 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.

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 ³ /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:
Groundwater	45400	52067	7.03%				
Surface water	0	0	-		-	-	-
Public supply	1,414	246	-83.89%		-	-	-
Recycled water	Unknown Not Metered	Unknown Not Metered	-	-	-	-	-
Total	46,814	52,313	4.31%		20036.67m ³ removed by tanker to local WWTP	Unknown not metered	The remaining effluent is stored within the HDPE lagoon

* 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:	P0811-02	Year	2019
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***This unaccounted for water is water that is not metered Eg:Evaporation from water cooled condenser, domestic discharge (Toilets & WHB), discharge of water from condenser etc.

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Resource Usage/Energy efficiency summary

Lic No: P0811-02

Year

2019

	Total	Landfill	Incineration	Recycled	Rendered	Anaerobic Digestion
Hazardous (Tonnes)	1.59	0	0	1.059	0	0
Non-Hazardous (Tonnes)	25,669.19	0	29	18,457.04	5497.64	1685.51

Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
14/03/2012	Turn off lighting in unused areas.	Speak to employees in garage and ensure lights are turned out when area is not in use.	Energy Audit	0.01%	30/03/2012	Maintenance Manager	15/03/2012	Maintenance Manager spoke to maintenance personel and informed them lights are to switched out in workshop when leaving workshop.
14/03/2012	Reduce hot water use in sterilisers.	Complete feasibility study to confirm if installation of Inspexx is a valid alternative to using sterilisers that required hot water, and confirm energy savings.	Energy Audit	TBC	31/12/2014	Maintenance Manager	Not Yet Complete and shelved after trial	04-10-12 Feasibility study is complete, application has been made to department of agriculture for approval to use. Trial completed but trial was found not to be suitable due to effect of corrosion on pipes.
14/03/2012	Turn off lighting in unused areas.	Refresh wiring in office/reception area, so that unoccupied areas can have lights turned off.	Energy Audit	0.01%	14/12/2012	Maintenance Manager	Not Yet Complete	To be added to objectives for 2015. Postponed and realigned with plans to refurbish offices.
14/03/2012	Repair hot water leaks.	Repair leaking wash down pump.	Energy Audit	0.14%	30/03/2012	Maintenance Manager	01/06/2016	Pump repaired.
14/03/2012	Investigate alternative boiler fuel.	Investigate potential for switching fuel supply for hot water at site from gas oil to gas stored in a bulk storage tank.	Energy Audit	TBC	30/12/2012	Maintenance Manager & Group Environment & Efficiency Manager	December 2013	Feasibility assessment completed by Group Primary Buyer. New gas boiler installed.
14/03/2012	Improve documented procedures.	Finish documenting a written energy policy and issue.	Energy Audit	TBC	30/10/2012	Group Senior Environmental Officer & Factory Manager	Mar-14	Origin Green accreditation was achieved in 2014. This detailed policy surrounding energy management, reduction measures and responsible people. Annual report was submitted to Origin Green in April 2015.

Resource Usage/Energy efficiency summary				Lic No:	P0811-02	Year	2019	
14/03/2012	Improve monitoring and measurement of energy use.	Compile a formal environmental dashboard for viewing by site managers.	Energy Audit	Unknown	30/10/2012	Group Senior Environmental Officer, Factory Manager & Site Environmental Representative	04/10/2012	A draft drawn up on 04/10/12 and utility dashboards were issued regularly throughout 2013 by the site environmental representative and reviewed by site management.
14/03/2012	Repair hot water leaks.	Repair leaking hotwater pipework at high level beside red water tanks.	Energy Audit	0.03%	30/04/2012	Maintenance Manger	01/06/2012	Leaking pipe was repiared.
14/03/2012	Reduce energy in unused areas.	Install timers on office heaters.	Energy Audit	3.00%	30/04/2012	Maintenance Manager	27/04/2012	Timers installed on office heaters.
14/03/2012 & 04/03/2013	Improve energy efficiency of process.	Installation of VSD air compressor.	Energy Audit & Also Green Business Audit	2%	31/12/2016	Maintenance Manager	-	Maintenance Manager completed feasibility study for implementation of VSD air compressor. To be installed in 2016.
14/03/2012 & 04/03/2013	Reduce wasted energy.	Installation of heat recovery on refrigeration system, to supply hot water.	Energy Audit & Also Green Business Audit	20%	31/12/2018	Maintenance Manager	-	Feasibility study has been completed, to be installed in 2018.
14/03/2012 & 04/03/13	Improve energy efficiency of process.	Installation of Variable Speed Drives on condenser fans, or refrigeration compressors.	Energy Audit & Also Green Business Audit	TBC	31/12/2016	Maintenance Manager	-	Maintenance Manager completed feasibility study for implementation of VSD compressor on condenser fans. To be installed in 2016.
05/03/2013	Reduce heat loss from damaged insulation.	Repair insulation on boiler on side where flue exits.	Other Initiative (Green Business Audit)	TBC	31/12/2014	Maintenance Manager	Nov-14	Complete new gas boiler with built in insulation installed in November 2014.
05/03/2013	Complete a feasibility study to upgrade lighting from T8 to LED.	Determine if it is feasible to replace existing T8 fittings with LED fittings throughout site.	Other Initiative (Green Business Audit)	2%	31/12/2015	Maintenance Manager	-	To be completed in 2016
30/09/2016	Reduce hot water use in Saw sterilisers.	Replace Saw sterilizers with a spray bar sterilizers	other initiative (please specify)	TBC	31/10/2016	Maintenance Manager	-	Carcase saw sterilizers changed over. Brisket saw to be changed over in Feb 2017

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	Emergency Generator (Testing)				
Primary Fuel	Gas Oil				
Thermal Efficiency	86.7%				
Unit Date of Commission	2001				
Total Starts for year	5				
Total Running Time	25				
Total Electricity Generated (GWH)	13.7MWh				
House Load (GWH)	-				
KWH per Litre of Process Water	-				
KWH per Litre of Total Water used on Site	-				

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Complaints and Incidents summary template	Lic No: P0811-02	Year: 2019
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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	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="width: 50px; text-align: center;">Yes</td> <td style="width: 150px; text-align: center;">2 Noise Complaint on the 002/05/2019 and 27/07/2019</td> </tr> </table>	Yes	2 Noise Complaint on the 002/05/2019 and 27/07/2019
Yes	2 Noise Complaint on the 002/05/2019 and 27/07/2019		

5497.64

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
02/05/2019	Noise		The complainant reported experiencing a constant humming vibration noise coming from the licensed installation Industrial Emissions License Reg No. P0811-02 during the last two evenings.	Completed an investigation of activities ongoing at Dawn Slane at the time of the complaint and also spoken to the security personnel on duty at these times. My investigations did not determine any unusual or unplanned operations occurring at the times outlined in the complaint and all noise emission controls were in place and being adhered to at the time of your complaint. On the evening of the 2nd of May there was Farm machinery ploughing the field beside the entrance to the site.	Complete	09/05/2019	
27/07/2019	Noise		The complainant reported experiencing a loud vibration noise from the licensed installation industrial emissions Reg. No. P0811-02 at approximately 18:40 on 27/07/2019. The complainant reported that they have also heard this noise many times over the last few weeks. It was also stated that sometimes the vibration goes off and then ramps back up again and stays constant.	Completed an investigation of activities ongoing at Dawn Meats Slane at the times of the complaint and also spoken to the security personnel on duty at these times. My investigations determined that there was no activity on site other than the storage of meat carcasses. There was no traffic onto or off the site and the security man was the only person on site. All noise emission controls were in place and being adhered to at the time of your complaint. A noise survey was carried out on the 21/10/2019 and there was no noise emission above aloud levels	Complete	22/10/2019	
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Total complaints open at start of reporting year	0						
Total new complaints received during reporting year	2						
Total complaints closed during reporting year	2						
Balance of complaints end of reporting year	0						

Complaints and Incidents summary template Lic No: P0811-02 Year: 2019

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

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

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WASTE SUMMARY	Lic No:	P0811-02	Year	2019
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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

No

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

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	Additional Information
----	------------------------

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

N/A	
-----	--

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

N/A	
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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)	EWC code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which applies to relevant EWC 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 -
N/A	European Waste Catalogue EWC codes		European Waste Catalogue EWC codes								

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

6 Does your facility have relevant nuisance controls in place?

7 Do you have an odour management system in place for your facility? If no why?

8 Do you maintain a sludge register on site?

N/A	Not a Waste Processor
N/A	Not a Waste Processor
N/A	Not a Waste Processor

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
N/A				

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	
N/A													

WASTE SUMMARY	Lic No:	P0811-02	Year	2019
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Table 4 Environmental monitoring-landfill only [Landfill Manual-Monitoring Standards](#)

Was meteorological monitoring in compliance with Landfill Directive (LD) standard in reporting year +	Was leachate monitored in compliance with LD standard in reporting year	Was Landfill Gas monitored in compliance with LD standard in reporting year	Was SW monitored in compliance with LD standard in reporting year	Have GW trigger levels been established	Were emission limit values agreed with the Agency (ELVs)	Was topography of the site surveyed in reporting year	Has the statement under S53(A)(5) of WMA been submitted in reporting year	Comments
N/A								

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

Table 5 Capping-Landfill only

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

*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?

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

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
N/A							

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
N/A			SELECT	

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Waste Summary Continued

Please insert a copy of your Waste Management Record for waste transferred off site

European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation
02 01 06	No	3028.51	animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site	R10
02 02 01	No	20036.67	sludges from washing and cleaning	R3
02 02 02	No	1685.51	animal-tissue waste	R3
02 02 03	No	5497.64	materials unsuitable for consumption or processing	R3
02 02 04	No	18444.86	sludges from on-site effluent treatment	R10
15 01 03	No	3.54	wooden packaging	R3
15 01 06	No	4.14	mixed packaging	R3
17 04 07	No	4.5	Mixed Metals	R04
20 03 01	No	29.6	mixed municipal waste	R1
16 02 13*A	Yes	0.059	waste fluorescent lamps	R03
13 02 08	Yes	1.0	Other engine, gear and lubricating oils	RO3



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