


Facility Information Summary	
AER Reporting Year	2019
Licence Register Number	P0191-02
Name of site	ABP Rathkeale
Site Location	Holycross Rathkeale Co Limerick
NACE Code	1011
Class/Classes of Activity	The operation of slaughterhouses with a carcass capacity of
National Grid Reference (6E, 6 N)	-8.94401525290
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 <b>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.</b>	<p>The activities at ABP t/a ABP Rathkeale involve the taking in of cattle to the lairage. The cattle are inspected by Department of Agriculture Veterinary personnel. The cattle are subsequently moved to the knocking area of the slaughter hall where they are slaughtered with a stunning gun. The slaughtered animal is then conveyed through the slaughter hall, where the hide is detached, and the feet and head are removed. Evisceration then takes place, which involves the removal of all red and green offal.</p> <p>Green offal is processed both for edible and petfood and the animal stomach contents (paunch) are conveyed to separate trailers. Paunch is then recycled as a fertiliser and used as a soil nutrient on NMP approved land Red offal is trimmed, chilled and packaged and dispatched off site for disposal. Fat from the animal carcasses is processed in the adjoining fat plant and pumped for temporary on-site storage in tallow storage tanks. This tallow is removed off-site at regular intervals.</p> <p>Hides from the carcasses are transported off site for further processing . After the carcass is split in the slaughtering hall, it is conveyed to the chills where it is rapidly chilled. After chilling the carcasses are conveyed to the marshalling area for quartering. Quarters are then either dispatched off site in refrigerated trucks, or sent to the adjoining Boning Hall for deboning. The bones from the Boning Hall are conveyed direct to trailers. These trailers are then covered and sealed prior to transportation of the bone off site for processing in a rendering facility. Rathkeale had 1 EPA inspection on the 26th July 2019 . The site received zero non-compliances. there was one sample taken on 30th September 2019 which was compliant. The sites sludge and Paunch is now going for anaerobic digestion The site also retained its ISO 140001&amp; 50001&amp; EWS Gold standard. The site continues to work on energy saving projects and installing meters where possible and reducing water where possible. New Light 26 light replaced in Abattoir with 12 LED lights. site is investigating fuel option outside of HFO. Site improvements include Repairs to concrete , New electric covers on trailers, New cover on paunch press &amp; Screenings Production on site was up 1.5%</p>

**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>13/03/2020</u>
Signature Group/Facility manager <small>(or nominated, suitably qualified and experienced deputy)</small>	Date

<b>AIR-summary template</b>	Lic No: P0191-02	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

Additional information	
No	Boiler monitoring reports completed annually 19th February 2019 available on site for viewing

### 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
- 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](#)

No	
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	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
AEP 1	Carbon Monoxide CO	Annual	N/A	N/A	17.6	mg.m-3	N/A	EN 15058:2006	N/A	Boiler Report Carried out 19th February 2019
AEP 1	NOx as NO2	Annual	N/A	N/A	730.7	mg.m-3	N/A	EN 14792:2006	N/A	Nowhere else to put results
AEP 1	Sulphur Dioxide SO2	Annual	N/A	N/A	<649.90	mg.m-3	N/A	EN 14791:2005	N/A	
AEP 1	Oxygen	Annual	N/A	N/A	4.9	%	N/A	EN14789	N/A	
AEP 1	Combustion Efficiency	Annual	N/A	N/A	93.18	%	N/A	Calculation	N/A	
AEP 2	Carbon Monoxide CO	Annual	N/A	N/A	8.9	mg.m-3	N/A	EN 15058:2006	N/A	
AEP 2	NOx as NO2	Annual	N/A	N/A	716	mg.m-3	N/A	EN 14792:2006	N/A	
AEP 2	Sulphur Dioxide SO2	Annual	N/A	N/A	<272.29	mg.m-3	N/A	EN 14791:2005	N/A	
AEP 2	Oxygen	Annual	N/A	N/A	6.3	%	N/A	EN14789	N/A	
AEP 2	Combustion Efficiency	Annual	N/A	N/A	92.8	%	N/A	Calculation	N/A	

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

<b>AIR-summary template</b>	Lic No: P0191-02	Year: 2019
<b>Continuous Monitoring</b>		

4 Does your site carry out continuous air emissions monitoring?

If yes please review your continuous monitoring data and report the required fields below in Table A2 and compare it to its relevant Emission Limit Value (ELV)

5 Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below

6 Do you have a proactive service agreement for each piece of continuous monitoring equipment?

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

**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					

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
	N/A				
	N/A				
	N/A				
	N/A				
	N/A				
	N/A				
	N/A				

\* 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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<b>AIR-summary template</b>		Lic No: P0191-02	Year: 2019	
<b>Solvent use and management on site</b>				
8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5			SELECT	
<b>Table A4: Solvent Management Plan Summary</b> <b>Total VOC Emission limit value</b>		<a href="#">Solvent regulations</a> Please refer to linked solvent regulations to complete table 5 and 6		
Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)	Total VOC emissions as %of solvent input	
			Total Emission Limit Value (ELV) in licence or any revision thereof	
			SELECT	
			SELECT	
<b>Table A5: Solvent Mass Balance summary</b>				
	(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 through
				Total emission of Solvent to air (kg)
				Total

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**AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)** Lic No: P0191-02 Year 2019

Additional information

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

Yes

2 Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table W2 below summarising **only** any evidence of contamination noted during visual inspections

Yes

**Table W1 Storm water monitoring**

Location reference	Location relative to site activities	PRTR Parameter	Licenced Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
Parameters not available Results listed in table 3	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	

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

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

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

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

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

SELECT

Additional information

4 Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box

External/Internal Lab Quality Assessment of results checklist

SELECT

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

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereof <sup>Note 2</sup>	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	Comments
SEP 1	Water	COD	discrete	Monthly	Monthly	>=10.4 Upper Warning >= 12.1 Upper Action Limit	All values < ELV	6.35	mg/L	yes	Digestion + Spectrophotometry	APHA / AWWA "Standard Methods"	Standard Methods 5220 COD	NA	NA
SEP 1	Water	pH	discrete	Monthly	Monthly	>7.05<=8.15 Upper Warning >6.78 <=8.42 Upper action Limit	No pH value shall deviate from the specified range.	7.34	pH units	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"	Hydrogen ION Selective Electrode	NA	NA
SEP 1	Water	Ammonia (as N)	discrete	Monthly	Monthly	>/= 0.3 Upper warning >/= 0.5 Upper action Limit	All values < ELV	0.22	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"	Standard Methods 4500 NH3	NA	NA

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

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

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**Continuous monitoring**

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

Yes

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

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

No

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

Yes

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

No

**Table W4: Summary of average emissions -continuous monitoring**

Emission reference no:	Emission released to	Parameter/ Substance	ELV or trigger values in licence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission for current reporting year (kg)	% change +/- from previous reporting year	Monitoring Equipment downtime (hours)	Number of ELV exceedences in reporting year	Comments
WEP 1	Water	volumetric flow	365,000	Monthly	No flow value shall exceed the .specific limit	m3/day	86120.28	8.08%	NA	NA	All results are within licence limits there are fluctuations in parameter results due to wwtp load variations in treatment
WEP 1	Water	pH	6 to 9	Monthly	No pH value shall deviate from the .specified range	pH units	7.60	N/A	NA	NA	
WEP 1	Water	BOD	14,600	Monthly	All values < ELV	Kg/Yr	512.45	32.00%	NA	NA	
WEP 1	Water	Suspended Solids	10,950	Monthly	All values < ELV	Kg/Yr	1800.24	158.00%	NA	NA	
WEP 1	Water	Total nitrogen	9,125	Monthly	All values < ELV	Kg/Yr	1578.13	143.35%	NA	NA	
WEP 1	Water	Ammonia (as N)	14,600	Monthly	All values < ELV	Kg/Yr	236.93	240.90%	NA	NA	
WEP 1	Water	Total phosphorus	No Limit	Monthly	All values < ELV	Kg/Yr	111.98	212.30%	NA	NA	
WEP 1	Water	Ortho-phosphorus (as PO4)	730	Monthly	All values < ELV	Kg/Yr	71.26	321.40%	NA	NA	
WEP 1	Water	COD	58,400	Monthly	All values < ELV	Kg/Yr	5715.94	39.00%	NA	NA	
WEP 1	Water	Chlorides (as Cl)	365,000	Monthly	All values < ELV	Kg/Yr	16796.94	56.36%	NA	NA	
WEP 1	Water	Aluminium	7,300	Monthly	All values < ELV	Kg/Yr	243	-1%	NA	NA	
WEP 1	Water	Detergents (as MBAS)	No Limit	Monthly	All values < ELV	Kg/Yr	6.70	440.32%	NA	NA	
WEP 1	Water	Fats, Oils and Greases	5,475	Monthly	All values < ELV	Kg/Yr	132.83	-4.01%	NA	NA	

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

**Table W5: Abatement system bypass reporting table**

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

\*Measures taken or proposed to reduce or limit bypass frequency



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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 **bundling 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)

- 1 Please provide integrity testing frequency period
  - 2 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)
  - 3 How many bunds are on site?
  - 4 How many of these bunds have been tested within the required test schedule?
  - 5 How many mobile bunds are on site?
  - 6 Are the mobile bunds included in the bund test schedule?
  - 7 How many of these mobile bunds have been tested within the required test schedule?
  - 8 How many sumps on site are included in the integrity test schedule?
  - 9 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?
  - 13 Is the Fire Water Retention Pond included in your integrity test programme?

Yes	All tanks & Bunds were tested in August 2019
3 years	
Yes	
1	Permanent Concrete Bund
1	
25	
Yes	
25	
2	
2	
Yes	4 High level Alarms on site
Yes	
No	

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)
	SELECT					SELECT			SELECT	SELECT		SELECT		
	SELECT					SELECT			SELECT	SELECT		SELECT		

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

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](#)

- 15 Are channels/transfer systems to remote containment systems tested?
- 17 Are channels/transfer systems compliant in both integrity and available volume?

SELECT	
SELECT	
SELECT	

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 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 of all underground pipelines (as required under your licence)

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)
FP2-OF7	Foul	concrete	No	n/a	CCTV	Yes	Grade 5	Old pipework	This is a grade 5 Site has costed and raised PO for work.	Pipe will be surveyed by AQS once repairs completed. PO raised P0016002. Waiting for temperature to rise over 5 degree to commence work.	Pass
BH3 - OF10	Foul	Polyvinyl Chloride	No	n/a	CCTV	Yes	Grade 5	Old pipework	This is a grade 5 Site has costed and raised PO for work.	Pipe will be surveyed by AQS once repairs completed. PO raised P0016002. Waiting for temperature to rise over 5 degree to commence work.	Pass

The last Pipeline Survey took place 12th August 2017 available for viewing on site

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<b>Groundwater/Soil monitoring template</b>	Lic No:	P0191-02	Year	2019
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		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	OCAE NMP
3	Do you extract groundwater for use on site? If yes please specify use in comment section	yes	
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. <a href="#">Groundwater monitoring template</a>	SELECT	
5	Is the contamination related to operations at the facility (either current and/or historic)	no	
6	Have actions been taken to address contamination issues? If yes please summarise remediation strategies proposed/undertaken for the site	N/A	
7	Please specify the proposed time frame for the remediation strategy	N/A	
8	Is there a licence condition to carry out/update ELRA for the site?	yes	
9	Has any type of risk assessment been carried out for the site?	no	
10	Has a Conceptual Site Model been developed for the site?	no	
11	Have potential receptors been identified on and off site?	yes	
12	Is there evidence that contamination is migrating offsite?	no	

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 interpretation as an additional section in this AER

Please enter interpretation of data here

**Table 1: Upgradient Groundwater monitoring results**

Date of sampling	Sample location reference	Parameter/Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit.	GTV's*	SELECT**	Upward trend in pollutant concentration over last 5 years of monitoring data
19/06/2019	Well Water Sample 1	Ammonia Nitrogen as N	External Contractor	Annually	0.6		mg/l			no
19/06/2019	Well Water Sample 1	Conductivity @ 25degree	External Contractor	Annually	1170		uS/cm			no
19/06/2019	Well Water Sample 1	COD	External Contractor	Annually	<5		mg/l			no
19/06/2019	Well Water Sample 1	pH Value	External Contractor	Annually	7.3		pH Units			no
19/06/2019	Well Water Sample 1	Ammonium (NH4)	External Contractor	Annually	0.94		mg/l			no
19/06/2019	Well Water Sample 1	Total coliforms	External Contractor	Annually	0		Cfu/100ml			no
19/06/2019	Well Water Sample 1	Total Nitrogen	External Contractor	Annually	0.8		mg/l			no

.\* where average indicates arithmetic mean

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

**Table 2: Downgradient Groundwater monitoring results**

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTV's*	SELECT**	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
							SELECT			SELECT
							SELECT			SELECT

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

More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the link in G31) [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](#)  
 [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
							SELECT
							SELECT

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

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<b>Environmental Liabilities template</b>	Lic No:	P0191-02	Year	2019
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[Click here to access EPA guidance on Environmental Liabilities and Financial provision](#)

		Commentary
1	ELRA initial agreement status	Submitted and agreed by EPA ELRA Completed Report 30/05/18
2	ELRA review status	Review required and not completed; Reviewed in 2019 no changes required
3	Amount of Financial Provision cover required as determined by the latest ELRA	€ 240,000
4	Financial Provision for ELRA status	Submitted and agreed by EPA
5	Financial Provision for ELRA - amount of cover	Company Finances
6	Financial Provision for ELRA - type	Full Financial cover Company Finances
7	Financial provision for ELRA expiry date	NA
8	Closure plan initial agreement status	Required but not submitted Closure Plan completed on 30th May 2018 reviewed 2019 no change
9	Closure plan review status	Review required and completed
10	Financial Provision for Closure status	Full Financial cover Company Finances
11	Financial Provision for Closure - amount of cover	€ 260,000
12	Financial Provision for Closure - type	Company Finances
13	Financial provision for Closure expiry date	NA

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Environmental Management Programme/Continuous Improvement Programme template		Lic No:	P0191-02	Year	2019
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	ISO 14001 Certified		
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	Manual 3 Aspects & Risks		
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	Manual 6 Targets & Objectives		
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	Public Information File		

Environmental Management Programme (EMP) report					
Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Energy Efficiency/Utility conservation	Reduce carbon Footprint	The company has achieved the 2020 targets ahead of time and are now currently developing science base targets to cover the next decade 2020-2030. the company will also be reviewing the origin green program to to reflect these new targets	Determines KPI's analyse monthly data , investigate energy effiecn reduction on site	Section Head	Reduced emissions
Waste reduction/Raw material usage efficiency	Waste Reduction on site increased recycling. Zero Waste to Landfill achieved.	The company has achieved the 2020 targets ahead of time and are now currently developing science base targets to cover the next decade 2020-2030. the company will also be reviewing the origin green program to to reflect these new targets	Waste Reduction, increase awareness on site new bins in place segragating waste. Site is now part of Plastic Alliance group to reduce plastic in our packaging and are setting new 2030 targets	Section Head	Improved Environmental Management Practices
Energy Efficiency/Utility conservation	Improve efficiency on site where possible . Identify SEUs and develop projects	The company has achieved the 2020 targets ahead of time and are now currently developing science base targets to cover the next decade 2020-2030. the company will also be reviewing the origin green program to to reflect these new targets	Data collection maintenance of KPI's energy Initiative Carbon Trust Standard. Install sensor lighting scada system linked to all meters on site. Projects and monitoring of refrigeration	Section Head	Reduced emissions
Energy Efficiency/Utility conservation	ISO 50001 Accreditation upgrade to New standard 2019	site to upgrade EMS to new standard and to improve Energy efficiency through design and procurement in all future projects	The site is continuing to improve monitoring and data collection and improve energy effiecn design and procurement	Section Head	Increased compliance with licence conditions and legislation
Additional improvements	Continous monitoing of biodiversity areas	Complete	Study has shown there is increased diversity and species on site this will be further monitored in 2020by our biodiversity student which ABP take on annually on work placement annually	Environmental Manager	Improve Aesthetics of site and improve natural habitat
European Water Stewardship	Site retained its Gold Standard EWS Standard in 2019 site is currently preparing for 2020 Audit	ABP Rathkeale Certified again in 2019 currently preparing for 2020 Audit	Additional meters have been installed on site and water reduction program is in place. Site will in combination with ISO 50001 has a number projects monitoring water consumption	Environmental Manager	New Water Standard

**Noise monitoring summary report** Lic No: P0191-02 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?
- 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?

[Noise Guidance note NG4](#)

**Table N1: Noise monitoring summary**

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA <sub>eq</sub>	LA <sub>90</sub>	LA <sub>10</sub>	LA <sub>max</sub>	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)?
								SELECT	SELECT		SELECT

\*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?

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

**Noise Surveys are only as required by EPA Condition 6.13. The last Noise survey was undertaken 12th October 2011**

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## Resource Usage/Energy efficiency summary

Lic No:

P0191-02

Year

2019

1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below

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

2 Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information

3

## Additional information

ISO 50001 Audit Annually	
Yes	Carbon Trust Triple Certification and ISO 50001
Yes	

Table R1 Energy usage on site

Energy Use	Previous year 2018	Current year 2019	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)	3789.43	3845.41	2%	
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)	4.25	7.2		591.11
Forklift Light Fuel Oil (m3)	66.61	122.64		11031
Calor gas (m3)	5,008	6,785		11049
Coal/Solid fuel (metric tonnes)				7.211542
Peat (metric tonnes)				122.4441
Renewable Biomass				122.6439
Renewable energy generated on site				

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

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

Table R2 Water usage on site

Water use	Water extracted Previous year m3/yr 2018	Water extracted Current year m3/yr. 2019	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Water Emissions	Water Consumption	Unaccounted for Water:
					Volume Discharged back to environment(m <sup>3</sup> /yr 2018:	Volume used i.e not discharged to environment e.g. released as steam m3/yr	
Groundwater	94,699	91,570	2%		86,120.28		Rainfall
Surface water							
Public supply	1101	268					
Recycled water	4,276	2,051					
Total	100,076	93,889					

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

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

Table R3 Waste Stream Summary

	Total	Landfill	Anerobic Digestion	Recycled	Energy Recovery
Hazardous (Tonnes)	3.218			3.218	
Non-Hazardous (Tonnes)	3016.57	0	2834.79	88.67	93.11

**Resource Usage/Energy efficiency summary** Lic No: P0191-02 Year 2019

Table R4: Energy Audit finding recommendations								
Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
2019 ISO 50001 Audit	No Audit Findings for 2019							
2019 ISO Audit	Opportunity for Improvement	Compliment management review minutes with additional reference to relevant data as appropriate	accredited programme	N/A	Next Review	Site Energy Team	01/12/2020	

**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	N/A				
Primary Fuel	N/A				
Thermal Efficiency	N/A				
Unit Date of Commission	N/A				
Total Starts for year	N/A				
Total Running Time	N/A				
Total Electricity Generated (GWH)	N/A				
House Load (GWH)	N/A				
KWH per Litre of Process Water	N/A				
KWH per Litre of Total Water used on	N/A				

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**Complaints and Incidents summary template** Lic No: P0191-02 Year 2019

Complaints

Additional information

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

Yes

Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action< 20 words	Resolution status	Resolution date	Further information
12/06/2019	Water		Contamination of water in the stream. Reported as being cloudy, milky discoloration. Severity of contamination reduced across the following day, with just a trace still	Letter submitted to the EPA 14th June	Complete	14/06/2019	
	N/A				SELECT		
	N/A				SELECT		
	N/A				SELECT		
	N/A				SELECT		
Total complaints open at start of reporting year		0					
Total new complaints received during reporting year		1					
Total complaints closed during reporting year		1					
Balance of complaints end of reporting year		0					

Incidents

Additional information

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

No

\*For information on how to report and what constitutes an incident [What is an incident](#)

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
	N/A	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	N/A	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	N/A	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	N/A	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	N/A	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
Total number of incidents current year		0												
Total number of incidents previous year		0												
% reduction/increase		0												

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<b>WASTE SUMMARY</b>	Lic No:	P0191-02	Year	2019
<b>SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES</b>		PRTR facility logon	dropdown list click to see options	

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

- Additional Information
- 1 Were any wastes accepted onto your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility?; (waste generated within your boundaries is to be captured through PRTR reporting)  
 If yes please enter details in table 1 below
- 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
- 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	
SELECT	
SELECT	

**Table 1 Details of waste accepted onto your site for recovery, disposal or treatment (do not include wastes generated at your site, as these will have been 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 <a href="#">European Waste Catalogue EWC codes</a>	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 -
	<a href="#">European Waste Catalogue EWC codes</a>		<a href="#">European Waste Catalogue EWC codes</a>								

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

- 4 Is all waste processing infrastructure as required by your licence and approved by the Agency in place? If no please list waste processing infrastructure required on site
- 5 Is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site
- 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?

SELECT	
SELECT	
SELECT	
SELECT	
SELECT	

**SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY**

**Table 2 Waste type and tonnage-landfill only**

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

**Table 3 General information-Landfill only**

Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	Inert or non-hazardous	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbestos?	Accepted asbestos in reporting year	Total disposal area occupied by waste	Lined disposal area occupied by waste	Unlined area
										SELECT UNIT	SELECT UNIT	SELECT UNIT
Cell 8												

<b>WASTE SUMMARY</b>	Lic No:	P0191-02	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

+ 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					

\*please note this includes daily cover area

**Table 6 Leachate-Landfill only**

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

SELECT
--------

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

SELECT
--------

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

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

**Table 7 Landfill Gas-Landfill only**

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

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Comments on liner type

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Waste Summary Continued

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

ABP Rathkeale

2019

LOW Code	Waste Description	Hazardous Yes/No	Quantity	Treatment Code	Location of Treatment	Name of Contractor	Permit number	Name address Final Destination	Permit number
20 03 01	Refuse (Incinerated)	No	93.11	R01	Ireland	Roc Recycling Solutions	NWCPO-11-10649-02	Panda Waste Nurendale Ltd , Beauparc Navan Co Meath or Starrus t/a Greenstar Millenium Park Dublin	W0140-03/W01831-01
15 01 01	Cardboard	No	25.62	R03	Ireland	Roc Recycling Solutions, B	NWCPO-11-10649-02	Irish Packaging Recycling, Walkinstown Rd, Ballymount, Dublin & Starrus t/a Greenstar, Millenium park, Dublin	W0263-01/W0183-01
15 01 02	Plastic	No	2.23	R03	Ireland	Roc Recycling Solutions, B	NWCPO-11-10649-02	Ballymount, Dublin & Starrus t/a Greenstar, Millenium park, Dublin	W0263-01/W0183-01
15 01 03	Pallets	No	41.46	R03	Ireland	Roc Recycling Solutions	NWCPO-11-10649-02	Panda Waste Nurendale Ltd , Beauparc Navan Co Meath or Starrus t/a Greenstar Millenium Park	W0140-03/W01831-01
13 02 06	Waste Oil	Yes	2.4	R09	Ireland	Enva Ireland Ltd, Clonmin	NWCPO-08-01116-03	Enva/Atlas Environmental Ireland Ltd., Clonminam Industrial Estate, Portlaoise, Co. Laois	187-1
15 01 10*	Oil Drums	Yes	0.19	R09	Ireland	Enva Ireland Ltd, Clonmin	NWCPO-08-01116-03	Enva/Atlas Environmental Ireland Ltd., Clonminam Industrial Estate, Portlaoise, Co. Laois	184-1
15 02 02	Oil Rags	yes	0.48	r09	Ireland	Enva Ireland Ltd, Clonmin	NWCPO-08-01116-02	Enva Clonminam Industrial EST, Portlaoise, Co. Laois	184-1
20 01 21	Fluorescent Tubes	No	0.026	R05	Ireland	Irish Lamp Recycling Co Ltd, Woodstock	NWCPO-08-01115-03	Irish Lamp Recycling Co Ltd, Woodstock Industrial Estate, Kilkenny Road, Athy, Co. Kildare	WFP-KE-19-00940-01
20 01 33	Batteries	Yes	0.148		Ireland	Irish Lamp Recycling Co Ltd, Woodstock	NWCPO-08-01115-03	Irish Lamp Recycling Co Ltd, Woodstock Industrial Estate, Kilkenny Road, Athy, Co. Kildare	WFP-KE-19-0094-01
17 04 05	Scrap Metal	No	19.34	R04	Ireland	Cork Metal	NWCPO-16-11798-01	Cork metal company Ltd, Dublin Hill, Co Cork	WFP-CC-22/2019
20 02 04	Sludge	No	2834.79	R01	Ireland	McBreen Environmental	NWCPO-14-11283-01	Progress Energy NI	LN/14/07

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