

SELECT

cells that are highlighted blue contain a dropdown menu click to select one option from the list

[guidance document link](#)

cells that contain underlined text click to access relevant guidance documents for this section

Table heading \*

table headings followed by a symbol have an associated footnote or instructions

cells that have a red indicator in the top right corner contain a comment box with further instructions or clarification  
further Instruction or clarification

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Please note an interpretation of results is still required. This should be entered in the additional information/comments boxes within the templates. Please size these boxes appropriately to fit your interpretation, if additional space is required please include an appendix to the AER template and merge it as part of the AER PDF document. The excel template should have all cells sized appropriately so that all text is readable before it is converted to PDF document.

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Facility Information Summary	
AER Reporting Year	2018
Licence Register Number	P0567-02
Name of site	Nypro Healthcare Ireland
Site Location	Corke Abbey Bray, Co. Dublin
NACE Code	12.2.1
Class/Classes of Activity	Use of coating materials.
National Grid Reference (6E, 6 N)	A98R208
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>Nypro Ireland is a Medical Device Healthcare Manufacturer located in Corke Abbey, Bray, Co. Dublin. Nypro was granted an IntegrationPollution and Prevention Control Licence (Licence Register PO 567-02) for this facility on 2nd November 2004 and is accredited to ISO 14001:2015 since 2004. Under section 90 (2) of the Environmental Protection Agency Acts ,1992 and 2003, Nypro is licenced on the following activity: The use of coating materials in processes with a capacity to use at least 10 tonnes per year of organic solvents, not included in paragraph 12.2.1. The Nypro facility has been in operation since 1980. A painting facility was introduced in 2001 but ceased operation at the end of 2005/2006 due to economic reasons. The company is now focused on the healthcare design, manufacture and automattion assembly of medical devices. There are approx. 380 employees across management, production, engineering, quality, finance and administration with production operating on a four shift 24 hour/day for approximately 360 days per year. This Annual Environmental Report (AER) has been prepared for the period 1st Jan 2018 - 31st December 2018 in accordance with Condition No.2.2.1 of Nypro's IPPC licence. Following ongoing discussions and meetingsin 2016 , it was agreed with agency inspectors that an abbreviated AER focusing on groundwater was the only primary concern of the agency as we were working towards licence surrender. As the activity 12.2.1 is no longer in operation on site. pre 2007. The site has endeavoured to complete the various sections of this template with relevant information where applicable. The site was in compliance with requirements for the year 2018.</p>
<b>Declaration:</b>	
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.	
Bernard Cronly Signature EHS Lead (or nominated, suitably qualified and experienced deputy)	18-Apr-19 Date

**AIR-summary template** Lic No: P0567-02 Year 2018

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	This licence condition elapsed pre 2007 with no air emission monitoring required or requested. Hence this section is N/A

**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](#)

SELECT	
SELECT	

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

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision 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
	SELECT			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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<b>AIR-summary template</b>		Lic No:	P0567-02	Year	2018
<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

SELECT	
SELECT	
SELECT	
SELECT	

**Table A2: Summary of average emissions -continuous monitoring**

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

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

**Table A3: Abatement system bypass reporting table**

[Bypass protocol](#)

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

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

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

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<b>AIR-summary template</b>		Lic No: P0567-02	Year: 2018	
<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 therof	
			Compliance	
			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 on site through
				Total emission of Solvent to air (kg)
				Total

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Additional information

IPPC PO 567-2 FY 2018	Water Waste & Surface Water Monitoring Analysis								
	Surface Water Results 2018	Method	Units	Accr	License limits	Jan Results	Apr Results	Jul Results	Oct Results
COD EW094 8			mg/l	INAB	800	87	174	397	397
Titralab									
pH	EW153	Ph/Units	INAB	6-10	7.4	7.3	7.5	7	
Conductivity @20 DegC	EW153 25	mg/l	INAB	150-500	196	312	895	255	
Alkalinity Total (R2 pH4.5)	EW153 10	mg/l Ca CO3	INAB		120	99	339	136	
Alkalinity Carbonate (R1 pH8.3)	EW153 10	mg/l CaCO3	INAB		<10	<10	<10	<10	
Alkalinity Bicarbonate(Calc)	EW153 10	mg/l Ca CO3	INAB		120	99	339	136	
Comments:	No explanation for high reading for Conductivity in July results, decision to monitor in future sampling. All further samples within licence limits.								

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 licensed emissions you only need to complete table W1 and or W2 for storm water analysis and visual inspections

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

Yes

The site has been requested as part of the ongoing ground water monitoring program to visually inspect a stream (Westbrook) as part of our bi-annual monitoring program. Ref GW - Soil section for report numbers.

Table W1 Storm water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licensed Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
SW 1	onsite	SELECT	pH			No pH value shall deviate from the specified range.	7.3	SELECT	yes	Average
SW1	onsite		Conductivity			150-500	414	mg/L	yes	Average
SW1	onsite		COD			800	263	mg/L	yes	Average
		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

No

Additional information

Waste Water 2018	Method	Units	Accr	License limits	Jan Results	Apr Results	Jul Results	Oct Results
AQ2-UP1								
Phosphate-Ortho(as P) (MRP)	EW154M	mg/l P	INAB	10	2.3	0.088	<0.045	0.82
AQ2-UP2								
Chloride	EW154M	mg/L	INAB	400	300.00	290	67	80.0
Sulphate	EW154M	mg/L	INAB	400	6.00	80	23	13.0
BOD	EW001	mg/L	INAB	400	2	<2	<2	<2
COD 82.0	EW094	mg/L	INAB	800	470	448	33	67
Suspended Solids	EW013	mg/L	INAB	400	14	20	<5	6
Titralab								
pH	EW153	Ph/Units	INAB	6-10	7.9	8.7	8	8.2

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

External /internal Lab Quality checklist Assessment of results checklist

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

Emission reference no:	Emission released to	Parameter/ Substance>Note 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereof <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
	Wastewater/Se wer	pH	discrete	Quarterly			6 TO 10	8.2	SELECT	yes	SELECT	ISO	EW153		Average
	Wastewater/Se wer	Chlorides (as Cl)	discrete	Quarterly			400	184.2	mg/L	yes			EW154		Average
	Wastewater/Se wer	BOD	discrete	Quarterly			400	2	mg/L	yes			EW001		Average
	Wastewater/Se wer	COD	discrete	Quarterly			800	254	mg/L	yes			EW094		Average
	Wastewater/Se wer	Sulphate	discrete	Quarterly			400	30	mg/L	yes			EW154M		Average
	Wastewater/Se wer	Suspended Solids	discrete	Quarterly			400	11	mg/L	yes			EW013		Average



**Continuous monitoring**

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

No

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

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

SELECT

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

SELECT

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

SELECT

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

Emission reference no:	Emission released to	Parameter/ Substance	ELV or trigger values in licence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission for current reporting year (kg)	% change +/- from previous reporting year	Monitoring Equipment downtime (hours)	Number of ELV exceedences in reporting year	Comments
	SELECT	SELECT		SELECT	SELECT	SELECT					
	SELECT	SELECT		SELECT	SELECT	SELECT					

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

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

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

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

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**Bund testing**

dropdown menu click to see options

Additional information	
No	As per EMS planning procedure bun testing occurs every 3 years, last test completed 2017, testing to be completed in 2020.
SELECT	

- 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)
- 1 Please provide integrity testing frequency period
  - Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)
  - How many bunds are on site?
  - How many of these bunds have been tested within the required test schedule?
  - How many mobile bunds are on site?
  - Are the mobile bunds included in the bund test schedule?
  - How many of these mobile bunds have been tested within the required test schedule?
  - How many sumps on site are included in the integrity test schedule?
  - 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?

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? [bundins 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?

Commentary	
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)

No	
SELECT	

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)
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT				SELECT

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

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**Groundwater/Soil monitoring template** Lic No: P0567-02 Year: 2018

		Comments	
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	yes	remediation programme as agreed with the
2	Are you required to carry out soil monitoring as part of your licence requirements?	no	
3	Do you extract groundwater for use on site? If yes please specify use in comment section	no	
4	Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below.	no	
5	Is the contamination related to operations at the facility (either current and/or historic)	yes	Known to EPA since 2007
6	Have actions been taken to address contamination issues? If yes please summarise remediation strategies proposed/undertaken for the site	yes	Natural Remediation
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	Completed LC025805
9	Has any type of risk assessment been carried out for the site?	yes	Completed LC025805
10	Has a Conceptual Site Model been developed for the site?	yes	Completed LC025805
11	Have potential receptors been identified on and off site?	yes	Completed LC025805
12	Is there evidence that contamination is migrating offsite?	no	Completed LC025805

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

Bi-annual Groundwater Monitoring Report (2003-829) 19 Ap18 - Eden Ref: LR040349. Bi-annual Groundwater Monitoring Report (2003-832) 16 Oct18 - Eden Ref.: LR040350. Remedial Options Assessment on Hydrocarbons Contaminated Subsoils (2003-826) Sep17 - Eden Ref.: LR025805. No non compliances recorder or noted, all parameters in line with previous years levels and no anomalies. Please reference the two reports for greater detail and individual element results. In relation to results requested in table 1 and table 2 Upgradient /Downgradient these results are also contained in the Groundwater Monitoring Reports. As per licence agreement the action is to observe the stream and stream bank for potential oil residue and clandestines and not to take samples. Soil results are not requested as part of the bi-annual monitoring programme.

**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
LR040349							SELECT			no
LR040350							SELECT			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
LR040349							SELECT			no
LR040350	LR040350						SELECT			no

\*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](#)

<b>Groundwater/Soil monitoring template</b>	Lic No:	P0567-02	Year	2018
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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)

<a href="#">Surface water EQS</a>	<a href="#">Groundwater regulations</a>	<a href="#">Drinking water (private supply) standards</a>	<a href="#">Drinking water (public supply) standards</a>	<a href="#">Interim Guideline Values (IGV)</a>
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**Table 3: Soil results**

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

Soil samples not requested only water monitored

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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	Submitted as part of Licence surrender request Awaiting EPA feedback as to surrender approval
2	ELRA review status	Review required and completed	Submitted as part of Licence surrender request
3	Amount of Financial Provision cover required as determined by the latest ELRA	Specify	
4	Financial Provision for ELRA status	SELECT	
5	Financial Provision for ELRA - amount of cover	Specify	
6	Financial Provision for ELRA - type	SELECT	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	SELECT	
9	Closure plan review status	SELECT	
10	Financial Provision for Closure status	SELECT	
11	Financial Provision for Closure - amount of cover	Specify	
12	Financial Provision for Closure - type	SELECT	
13	Financial provision for Closure expiry date	Enter expiry date	

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<b>Environmental Management Programme/Continuous Improvement Programme template</b>	Lic No: P0567-02	Year: 2018
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	Highlighted cells contain dropdown menu click to view	Additional Information
1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Yes 14001 : 2015 Certification in 2016 and annual surveillance there after.
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes

**Environmental Management Programme (EMP) report**

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Groundwater protection	Maintain monitoring program to gather data to support licence surrender	100%		Individual	Continued Remediation of contamination on site
Noise reduction	Manage site noise levels to satisfy local stakeholders	100%		Individual	Less complaints
SELECT		SELECT		SELECT	SELECT

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**Noise monitoring summary report** Lic No: P0567-02 Year 2018

- 1 Was noise monitoring a licence requirement for the AER period?  
If yes please fill in table N1 noise summary below
 

No

However site continues to monitor to ensure local stakeholder compliance
- 2 Was noise monitoring carried out using the EPA Guidance note, including completion of the "Checklist for noise measurement report" included in the guidance note as table 6?
 

Yes

REDKITE Environmental Services
- 3 Does your site have a noise reduction plan
 

No
- 4 When was the noise reduction plan last updated?
 

N/A
- 5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?
 

No

[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 <u>site</u> 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? SELECT

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

Any additional comments? (less than 200 words)

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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  
[SEAI - Large Industry Energy Network \(LIEN\)](#)
- 3 Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information

**Additional information**

31/07/2016	
Yes	
No	Site uses natural Gas

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	13,797	14824		
Total Energy Generated (MWHrs)	0	0		
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	13,797	14824		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)	0	0		
Light Fuel Oil (m3)	0	0		
Natural gas (m3)	1167	1196		
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.  
 \*\* where site production information is available please enter percentage increase or decrease compared to previous year

Water use	Water extracted		Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Water Emissions		Water Consumption	
	Previous year m3/yr.	Current year m3/yr.			Volume Discharged back to environment(m <sup>3</sup> /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:	
Groundwater								
Surface water								
Public supply	18651	17148						
Recycled water								
Total	18651	17148						

\* 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

	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)		0	0	3.6	
Non-Hazardous (Tonnes)		0	0	607.3	

**Resource Usage/Energy efficiency summary** Lic No: P0567-02 Year 2018

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
31/07/2016	Benchmark against best practice to reduce energy costs.	Change all lights in production areas and outside lighting of building to LED.	SELECT	<1%	2017-2018	M Natal	Dec-18	Complete
31/07/2016	Benchmark against best practice to reduce energy costs.	Invested in variable speed pumps for plant rooms.	SELECT	<1%	2018	M Natal	Nov-18	Complete
31/07/2016	Benchmark against best practice to reduce energy costs.	Implemented heat recovery system from compressors.	SELECT	1.00%	2017-2018	M Natal	Sep-18	Complete

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

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

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**Complaints and Incidents summary template** Lic No: P0567-02 Year 2018

Complaints

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

Additional information  
 Yes  See Below

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
24/08/2018	Noise		A request to investigate of high frequency noise at 11.00 am of truck loading silo from a neighbour.	Vacuum air blower broke and silo had to be loaded by truck blower. No other silo fill till blower repaired.	Complete	24/08/2018. Responded to neighbour request explaining the elevated noise level and neighbour was satisfied with explanation and actions and no further occurrences.	Only one silo fill without electric vacuum blower but truck blower was latest design with noise minimised. Vacuum blower repaired before any other silo fills made.
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				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

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

Additional information  
 No

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

Table 2 Incidents summary												
Date of occurrence	Incident nature	Location of occurrence	Incident category*please refer to guidance	Receptor	Cause of incident	Other cause(please specify)	Activity in progress at time of incident	Communication	Occurrence	Resolution status	Resolution date	Likelihood of recurrence
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT	SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT	SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT	SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT	SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT	SELECT		SELECT
Total number of incidents current year												
Total number of incidents previous year												
% reduction/increase												

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<b>WASTE SUMMARY</b>	Lic No:	P0567-02	Year	2018
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**SECTION A- WASTE MANAGEMENT RECORD FOR WASTE TRANSFERRED OFF SITE**

**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

No	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

No	Additional Information
----	------------------------

**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 <a href="#">European Waste Catalogue EWC codes</a>	Source of waste accepted	Description of waste accepted <b>Please enter an accurate and detailed description - which applies to relevant EWC code</b> <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 -

**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

N/A	
-----	--

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

N/A	
-----	--

6 Does your facility have relevant nuisance controls in place?

N/A	
-----	--

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

N/A	
-----	--

8 Do you maintain a sludge register on site?

N/A	
-----	--

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

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

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

**Table 3 General information-Landfill only**

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

WASTE SUMMARY		Lic No:	P0567-02	Year	2018
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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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## Waste Summary Continued

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

### Monthly Contribution by Waste Category

Table presents a monthly recycling tonnage by waste category.

EW Codes	Subtotal	Description	Vendor	Address	Permit Number
<a href="#">20.01.21</a>	48.00 kg	Fluoescent Tubes	KMK - WEEE	Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Offaly	NWCPO-08-10607-03
<a href="#">07.02.13</a>	205,691.00 kg	Waste Plastic	Leinster Environmentals	Clermont Park, Haggardstown, Dundalk	WFP-LH-11-002-02. NWCPO-13-11218-01
<a href="#">12.01.05</a>	102,662.00 kg	Plastic shavings and trimmings	Leinster Environmentals	Clermont Park, Haggardstown, Dundalk	WFP-LH-11-002-02. NWCPO-13-11218-01
<a href="#">15.01.01</a>	35,832.00 kg	Paper / Cardboard	Leinster Environmentals	Clermont Park, Haggardstown, Dundalk	WFP-LH-11-002-02. NWCPO-13-11218-01
<a href="#">15.01.02</a>	45,149.00 kg	Plastic Packaging	Leinster Environmentals	Clermont Park, Haggardstown, Dundalk	WFP-LH-11-002-02. NWCPO-13-11218-01
<a href="#">15.01.03</a>	124,891.00 kg	Wooden Packaging	CJ Sheeran	Shannon Street, Mountrath, Co. Laois	WCP-DC-09-1171-01
<a href="#">15.01.16</a>	31,660.00 kg	Recycle General Waste	Panda Recycling	Ballymount Cross, Tallaght, Dublin 24	NWCPO-14-11326-02
<a href="#">15.02.02</a>	3510 kg	Absorbents, filter mateial, wiping cloths	Rilta Environmental	Block 402 Grant Drive, Greenogue Business Park, Rathcoole, Dublin	NWCPO-09-01192-02
<a href="#">16.02.14</a>	919.00 kg	Discarded equipment	KMK - WEEE	Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Offaly	NWCPO-08-10607-03
<a href="#">16.05.07</a>	90.00 kg	Inorganic chemicals or hazardous substances	Rilta Environmental	Block 402 Grant Drive, Greenogue Business Park, Rathcoole, Dublin	NWCPO-09-01192-02
<a href="#">19.12.03</a>	12,903.00 kg	Non-ferrous metal	KMK Metals Recycling	Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Offaly	NWCPO-08-10607-03
<a href="#">20.03.01</a>	22,751.00 kg	Mixed municipal waste	Panda Recycling	Ballymount Cross, Tallaght, Dublin 24	NWCPO-14-11326-02
<a href="#">20.03.07</a>	26,470.00 kg	Municipal waste	Panda Recycling	Ballymount Cross, Tallaght, Dublin 24	NWCPO-14-11326-02
	<b>609,946.00 kg</b>				

The site pre-dominantly generates dry , clean plastic production waste parts. Liquid waste is pre dominantly hydraulic oil from the moulding processes which includes absorbents, filters and cloths as outlined above.