

Facility Information Summary

AER Reporting Year	2014
Licence Register Number	P0395-03
Name of site	Wyeth Nutritionals Ireland Limited
Site Location	Askeaton, Co. Limerick
NACE Code	1086
Class/Classes of Activity	7.2.1 and 2.1
National Grid Reference (6E, 6 N)	-8.98170 52.6091


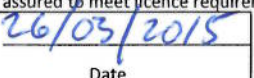
A description of the activities/processes at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance which was measured during the reporting year **and an overview of compliance with your licence listing all exceedances of licence limits (where applicable) and what they relate to e.g. air, water, noise.**

Wyeth Nutritionals Ireland Limited is one of Europe's leading producers of infant and child nutritional products. Established in 1974, this world-class facility is one of the largest purpose-built infant nutritional production facilities in the world. The plant produces both powdered formulas and a liquid ready-to-feed range of products with an annual production capacity of 50 million kilograms. More than a third of the company's output goes to Europe - mostly to the UK, with the remainder being shipped to markets in the Middle East, Africa, Asia, Australia and Latin America.

Output from the plant in 2014 increased by 12.43% when compared with the production output for 2013. Changes were also made to production scheduling resulting in increased downtime due to cleaning with a corresponding increase in demand for water, energy and wastewater discharged. There were no major infrastructural changes to the site, however in line with the site's environmental policy a number of initiatives were implemented as part of the 2014 environmental management programme in the areas of water use, waste generation and energy consumption resulting in an improvement to the overall environmental performance of the site.

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.

 Signature Group/Facility manager <small>(or nominated, suitably qualified and experienced deputy)</small>	 Date
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Answer all questions and complete all tables where relevant

Additional information

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

Yes	
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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	
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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](#)

Yes	
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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
A1-1	Nitrogen oxides (NOx/NO2)	Biannually	300	100 % of values < ELV	Min. 190.2 Max. 201.2	mg/Nm3	yes	EN 14792:2005		
A1-1	volumetric flow	Biannually				Nm3/hour				
A1-2	Nitrogen oxides (NOx/NO2)	Biannually	200			mg/Nm3				Unable to measure boiler missions due to boiler offline for a portion of the period and on hot stand-by for remainder of period
A1-2	Carbon monoxide (CO)	Biannually				Nm3/hour				Unable to measure boiler missions due to boiler offline for a portion of the period and on hot stand-by for remainder of period
A1-2	volumetric flow	Biannually				Nm3/hour				Unable to measure boiler missions due to boiler offline for a portion of the period and on hot stand-by for remainder of period
A1-4	Nitrogen oxides (NOx/NO2)	Biannually	200			mg/Nm3				Unable to measure boiler missions due to boiler offline for a portion of the period and on hot stand-by for remainder of period

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A1-4	Carbon monoxide (CO)	Biannually				mg/Nm3			Unable to measure boiler missions due to boiler offline for a portion of the period and on hot stand-by for remainder of period
A1-4	volumetric flow	Biannually				Nm3/hour			Unable to measure boiler missions due to boiler offline for a portion of the period and on hot stand-by for remainder of period
A2-1	Total Particulates	Quarterly	50	100 % of values < ELV	Min. 26.65 Max. 34.26	mg/Nm3	yes	EN 13284-1	Only 2 monitoring rounds completed due to plant downtime.
A2-1	volumetric flow	Quarterly			Min. 33812 Max. 37205	Nm3/hour		EN-16911:2013	Only 2 monitoring rounds completed due to plant downtime.
A2-3	Total Particulates	Quarterly	50	100 % of values < ELV	Min. 26.04 Max. 40.5	mg/Nm3	yes	EN 13284-1	
A2-3	volumetric flow	Quarterly			Min. 44314 Max. 80656	Nm3/hour		EN-16911:2013	
A2-4	Total Particulates	Quarterly	50	100 % of values < ELV	Min. 15.74 Max. 26.93	mg/Nm3	yes	EN 13284-1	
A2-4	volumetric flow	Quarterly			Min. 93135 Max. 98923	Nm3/hour		EN-16911:2013	
A2-6	Total Particulates	Quarterly	50	100 % of values < ELV	Min. 10.74 Max. 42.86	mg/Nm3	yes	EN 13284-1	
A2-6	volumetric flow	Quarterly			Min. 89393 Max. 100220	Nm3/hour		EN-16911:2013	
	Total Particulates								27895 +34% due to increased plant output.
	Nitrogen oxides (NOx/NO2)								44821 -4%
	Carbon monoxide (CO)								18965 +3%

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

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Continuous Monitoring		

<p>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)</p>	SELECT	
<p>5 Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below</p>	SELECT	
<p>6 Do you have a proactive service agreement for each piece of continuous monitoring equipment?</p>	SELECT	
<p>7 Did your site experience any abatement system bypasses? If yes please detail them in table A3 below</p>	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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: P0395-03 Year 2014

<p>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</p>	Yes	
<p>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</u> any evidence of contamination noted during visual inspections</p>	Yes	

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
	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)

<p>3 Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below</p>	No	
<p>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</p> <p>External/Internal Lab Quality checklist Assessment of results checklist</p>	Yes	

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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)																	
						Lic No:	P0395-03									Year	2014
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 ^{Note 2}	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	Comments		
SW1	Water	Toxicity	composite	Annual	24 hour	5	All results < 1.2 x ELV	1.2	TU	yes	Toxicity Analysis	ISO	8692:2012				

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

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

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

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

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

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

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

Table W4: Summary of average emissions -continuous monitoring

Emission reference no:	Emission released to	Parameter/ Substance	ELV or trigger values in licence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission for current reporting year (kg)	% change +/- from previous reporting year	Monitoring Equipment downtime (hours)	Number of ELV exceedences in reporting year	Comments			
SW1	Water	volumetric flow	2800	24 hour	No flow value shall exceed the .specific limit	m3/day		-4	0	0	Continued decrease due to water use reduction project implementation.			
SW1	Water	pH	6 - 9	24 hour	No pH value shall deviate from the .specified range	pH units			0	0				
SW1	Water	BOD	40	24 hour	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	mg/L	7115	-21	0	0				
SW1	Water	Suspended Solids	50	24 hour	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	mg/L	12313	+8	0	0				
SW1	Water	Total nitrogen	15	24 hour	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	mg/L	1805	-48	0	0				
SW1	Water	Ammonia (as N)	10	24 hour	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	mg/L	795	-33	0	0				
SW1	Water	Total phosphorus	1.5	24 hour	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	mg/L	136	-15	0	1	One ELV exceedence on 28/09/14 when the Total P in the composite sample measured 2.26 mg/l versus an ELV of 1.5 mg/l			
SW1	Water	Ortho-phosphate (as PO4)	0.75	24 hour	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	mg/L	71	+73	0	1	One ELV exceedence on 23/06/14 when the Ortho-P in the composite sample measured 1.78 mg/l versus an ELV of 0.75 mg/l.			
SW1	Water	Fats, Oils and Greases	15	24 hour	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	mg/L	2764	-4	0	0				
SW1	Water	COD	-	24 hour		mg/L	24382	+17	0	0				

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

Table W5: Abatement system bypass reporting table

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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: P0395-03 Year: 2014

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*Measures taken or proposed to reduce or limit bypass frequency

Bund testing dropdown menu click to see options

Additional Information

- Are you required by your licence to undertake integrity testing on bunds and containment structures ? if yes please fill out table B1 below listing all **new bunds and containment structures** on site, in addition to **all bunds which failed the integrity test** **all bunding structures which failed including mobile bunds must be listed in the table 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**
- 10 Do all sumps and chambers have high level liquid alarms?
 - 11 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?

Yes	
3 years	
Yes	
26	
26	
1	
Yes	
1	
10	
10	
Yes	
Yes	
N/A	

13 Is the Fire Water Retention Pond included in your integrity test programme?

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)
Bund No. 10	general purpose concrete/masonry		Mix product	176	48.4	Hydraulic test		22/07/2013	Yes	Fail	Sump leak	Temporary repair	Jul-15	
Bund No. 11	general purpose concrete/masonry		Mix product	242	72.6	Hydraulic test		22/07/2013	Yes	Fail	Sump leak	Temporary repair	Jul-15	
Bund No. 12	general purpose concrete/masonry		Mix product	242	72.6	Hydraulic test		22/07/2013	Yes	Fail	Sump leak	Temporary repair	Jul-15	

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

[bundling and storage guidelines](#)

Commentary

Yes	EPA Guidance
Yes	
Yes	

Pipeline/underground structure testing

- Are you required by your licence to undertake integrity testing* on underground structures e.g. pipelines or sumps etc ? if yes please fill out table 2 below listing all 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**
- 1 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	
3 years	

Bund/Pipeline testing template	Lic No: P0395-03	Year: 2014
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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)
F219	Process	concrete	No	SELECT	Combination	Yes	Fail	Fracture		Jul-15	SELECT
F59 to F61	Foul	ceramic	No		Combination	Yes	Fail	Unknown		Jul-15	
F59 to F59a	Process	ceramic	No		Combination	Yes	Fail	Unknown		Jul-15	
FG to 59a	Process	ceramic	No		Combination	Yes	Fail	Unknown		Jul-15	
F60 to F61	Foul	ceramic	No		Combination	Yes	Fail	Unknown		Jul-15	
F220 to ML	Foul	ceramic	No		Combination	Yes	Fail	Unknown		Jul-15	
F221 to ML	Foul	ceramic	No		Combination	Yes	Fail	Unknown		Jul-15	
F60 to F220	Foul	ceramic	No		Combination	Yes	Fail	Unknown		Jul-15	
F220 to F221	Foul	ceramic	No		Combination	Yes	Fail	Unknown		Jul-15	
F221 to F61	Foul	ceramic	No		Combination	Yes	Fail	Unknown		Jul-15	
TC to F37a	Process		No		Combination	Yes	Fail	Grout missing	Channel re-grouted	Jul-15	

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

Groundwater/Soil monitoring template	Lic No: P0395-03	Year 2014
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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	
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 Groundwater monitoring template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below.	yes	Quality of groundwater is impacted by the nearby River Deel estuary.
5	Is the contamination related to operations at the facility (either current and/or historic)	no	<p>Analytical results from the 2014 monitoring rounds were in line with those of previous monitoring. The monitoring was completed in accordance with the site's Industrial Emissions Licence requirements and is reported in accordance with Stage 1 - Step 2 of the Environmental Protection Agency's Guidance on the Management of Contaminated Land and Groundwater at EPA Licenced Sites, issued in 2013. The site is underlain by Waulsortian limestone bedrock, with the overlying subsoils ranging from 1.5 m to 4 m in thickness across the site. The inferred groundwater flow direction in the limestone bedrock aquifer, as measured on 02 October 2014 is to the east towards the River Deel. This is consistent with previous monitoring at the site.</p> <p>Field measurements of water quality parameters and redox indicators were also generally consistent with previous rounds and indicate that dissolved oxygen concentrations in groundwater are low to moderate and groundwater is moderately to strongly reducing.</p> <p>Monitoring results for Round 2 2014 can be summarised as follows:</p> <ul style="list-style-type: none"> - The majority of major ion concentrations increased between April 2014 and October 2014 in all groundwater wells sampled. - Notable increases in calcium, magnesium, sodium, chloride, sulphate, potassium and COD concentrations between April 2014 and October 2014 were recorded in groundwater from well BH101. - Several major ions exceeded assessment criteria. Elevated concentrations of chloride and sodium in groundwater at several wells are likely to reflect the site's coastal setting. <p>Based on the current site status and monitoring data (particularly the major ion data) it is considered there is a limited degree of mixing between groundwater and surface water bodies close to the River Deel estuary. During high tide in the river, the gradient of water flow is expected to be from the river outwards to the surrounding limestone aquifer, reversing under low tide conditions.</p>
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?	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	

Groundwater/Soil monitoring template

Lic No:

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Year

2014

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
16/04/2014	BH201	pH	pH probe	Biannual	7.71	7.67	pH units	N/A	N/A	no
02/10/2014	BH201	COD	Colourimetric	Biannual	10	8.5	mg/l	N/A	N/A	no
02/10/2014	BH201	Calcium	ICP-OES	Biannual	108	84.8	mg/l	N/A	200	no
02/10/2014	BH201	Iron (dissolved)	ICP-OES	Biannual	<0.02	<0.02	mg/l	N/A	0.2	no
02/10/2014	BH201	Magnesium	ICP-OES	Biannual	35	20.85	mg/l	N/A	50	yes

Groundwater/Soil monitoring template					Lic No:	P0395-03	Year	2014		
02/10/2014	BH201	Manganese (dissolved)	ICP-OES	Biannual	0.05	0.026	mg/l	N/A	0.05	no
02/10/2014	BH201	Potassium	ICP-OES	Biannual	11	7.95	mg/l	N/A	5	yes
02/10/2014	BH201	Sodium	ICP-OES	Biannual	381	284.4	mg/l	150	150	yes
02/10/2014	BH201	Total Alkalinity (CaCO3)	Metrohm	Biannual	471	326.5	mg/l	N/A	N/A	no
16/04/2014	BH201	Chloride	Aquakem	Biannual	300.8	213.4	mg/l	187.5	30	yes
02/10/2014	BH201	Nitrate (as NO3)	Aquakem	Biannual	6	5.45	mg/l	37.5	25	no
02/10/2014	BH201	Nitrite (as NO2)	Aquakem	Biannual	<0.02	<0.02	mg/l	0.375	0.1	no
02/10/2014	BH201	Orthophosphate	Aquakem	Biannual	<0.06	<0.06	mg/l	N/A	0.03	no
02/10/2014	BH201	Sulphate as SO4	Aquakem	Biannual	16	15.49	mg/l	187.5	200	no
02/10/2014	BH201	Fluoride	Dionex	Biannual	<0.3	<0.3	mg/l	N/A	1	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

Groundwater/Soil monitoring template										
				Lic No:	P0395-03		Year		2014	
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
16/04/2014	BH203	pH	pH probe	Biannual	7.57	7.53	pH units	N/A	SELECT**	no
16/04/2014	BH203	COD	Colourimetric	Biannual	<7	<7	mg/l	N/A	SELECT**	no
02/10/2014	BH203	Calcium	ICP-OES	Biannual	80	73.85	mg/l	N/A	IGV	no
02/10/2014	BH203	Iron (dissolved)	ICP-OES	Biannual	0.03	0.025	mg/l	N/A	IGV	no
02/10/2014	BH203	Magnesium	ICP-OES	Biannual	8	6.8	mg/l	N/A	IGV	no
02/10/2014	BH203	Manganese (dissolved)	ICP-OES	Biannual	0.39	0.26	mg/l	N/A	IGV	no
02/10/2014	BH203	Potassium	ICP-OES	Biannual	14	11.25	mg/l	N/A	IGV	no
16/04/2014	BH203	Sodium	ICP-OES	Biannual	83	78	mg/l	150	IGV	no
16/04/2014	BH203	Total Alkalinity (CaCO ₃)	Metrohm	Biannual	346	339	mg/l	N/A	SELECT**	no
02/10/2014	BH203	Chloride	Aquakem	Biannual	56	51.1	mg/l	187.5	IGV	no
16/04/2014	BH203	Nitrate (as NO ₃)	Aquakem	Biannual	6.1	6.05	mg/l	37.5	IGV	no
02/10/2014	BH203	Nitrite (as NO ₂)	Aquakem	Biannual	0.03	0.025	mg/l	0.375	IGV	no
02/10/2014	BH203	Orthophosphate	Aquakem	Biannual	<0.06	<0.06	mg/l	N/A	IGV	no
16/04/2014	BH203	Sulphate as SO ₄	Aquakem	Biannual	47.72	44.36	mg/l	187.5	IGV	no
02/10/2014	BH203	Fluoride	Dionex	Biannual	<0.3	<0.3	mg/l	N/A	IGV	no
<p>*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</p>										
<p>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).</p>										
<p>**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) Groundwater regulations Surface water EQS Drinking water (private supply) standards Drinking water (public supply) standards</p>										

Groundwater/Soil monitoring template

Lic No:

P0395-03

Year

2014

Table 3: Soil results

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

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

Environmental Liabilities template

Lic No:

P0395-03

Year

2014

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

		Commentary	
1	ELRA initial agreement status	Submitted and agreed by EPA	
2	ELRA review status	Review required and completed	
3	Amount of Financial Provision cover required as determined by the latest ELRA	€ 1,778,733.00	
4	Financial Provision for ELRA status	Submitted and agreed by EPA	
5	Financial Provision for ELRA - amount of cover	All liabilities (known and unknown)	
6	Financial Provision for ELRA - type	SELECT	Corp. Insurance Policy & Nestle S.A. Central Funds
7	Financial provision for ELRA expiry date	No date specified.	
8	Closure plan initial agreement status	Closure plan submitted and agreed by EPA	
9	Closure plan review status	Review required and completed	
10	Financial Provision for Closure status	Submitted and agreed by EPA	
11	Financial Provision for Closure - amount of cover	All liabilities (known and unknown)	
12	Financial Provision for Closure - type	SELECT	Financial Security
13	Financial provision for Closure expiry date	No date specified.	

Environmental Management Programme/Continuous Improvement Programme template		Lic No:	P0395-03	Year	2014
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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	System is certified to the ISO 14001:2004 standard.
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
Waste reduction/Raw material usage efficiency	Reduction of 20% of Wyeth Nutrition's water use per unit of production between 2010 and 2015. To be achieved by a number of projects	100 (Additional tasks added for 2015)	-27% reduction by the end of 2014.	Section Head	Improved Environmental Management Practices
Waste reduction/Raw material usage efficiency	Elimination of the landfilling of waste by 2015. To be achieved by a number of projects	100 (Additional tasks added for 2015)	Zero waste sent to landfill since August 2014.	Section Head	Improved Environmental Management Practices
Additional improvements	Incorporate sustainability into the procurement process for Irish suppliers of dairy ingredients.	100 (Additional tasks added for 2015)	Target achieved	Section Head	Improved Environmental Management Practices
Additional improvements	Develop and manage areas for the promotion of biodiversity.	100 (Additional tasks added for 2015)	Target achieved	Section Head	Improved Environmental Management Practices

Environmental Management Programme/Continuous Improvement Programme template		Lic No:	P0395-03	Year	2014
Energy Efficiency/Utility conservation	Reduction of 3.5% of Wyeth Nutritionals Ireland Ltd. energy use per unit of production each year in 2015, 2016 and 2017.	100 (Additional tasks added for 2015)	Target achieved	Section Head	Improved Environmental Management Practices

Noise monitoring summary report

Lic No: P0395-03

Year

2014

1 Was noise monitoring a licence requirement for the AER period?

Yes

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](#)

Yes

3 Does your site have a noise reduction plan

Yes

4 When was the noise reduction plan last updated?

20/08/2014

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

No

Table N1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA _{req}	LA ₉₀	LA ₁₀	LA _{max}	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is site compliant with noise limits (day/evening/night)?
13,14/05/201	Day		NSL1	61	39	54	91	No	SELECT	Local traffic, birds, planes, plant barely audible	Yes
13,14/05/201	Day		NSL2	64	49	65	87	No		Traffic noise from N69, local traffic. Birds singing, trees rustling, plant not audible.	Yes
13,14/05/201	Day		NSL3	58	45	60	77	No		Traffic noise from N69 and local traffic. Dog barking. Plant not audible.	Yes
13,14/05/201	Day		NSL4	60	51	59	82	No		Traffic noise from N69 and local traffic. Crows. Low level steady plant noise barely audible in traffic lulls.	Yes
13,14/05/201	Day		NSL5	55	41	53	81	No		Distant traffic N69. Local traffic. Plant barely audible in traffic lulls.	Yes
13,14/05/201	Day		NSL6	43	40	45	55	No			Yes
13,14/05/201	Day	BW		50	46	50	65	No		Distant traffic noise N69, local traffic. Low level steady plant noise in traffic lulls.	Yes
13,21/05/201	Evening		NSL1	61	35	55	86	No		Local traffic, birds, planes, plant barely audible.	Yes
13,21/05/201	Evening		NSL2	65	48	68	81	No		Traffic N69, local traffic. Low level plant noise barely audible here.	Yes

13,21/05/201	Evening		NSL3	60	47	64	79	No		N69 Traffic noise, local traffic. Dog barking. Plant not audible here.	Yes
13,21/05/201	Evening		NSL4	56	46	57	78	No		Local and N69 traffic noise. Low level plant noise audible in traffic lulls.	Yes
13,21/05/201	Evening		NSL5	47	34	50	70	No		Distant & local traffic noise. Low level steady plant noise in traffic lulls.	Yes
13,21/05/201	Evening		NSL6	37	35	38	56	No		Distant traffic noise. Steady plant noise	Yes
13,21/05/201	Evening	BW		51	44	49	72	No		Traffic N69, local traffic. Low level steady plant noise audible here.	Yes
21,22/05/201	Night		NSL1	40	25	33	65	No		Low level steady plant noise. Distant occasional traffic.	Yes
21,22/05/201	Night		NSL2	58	43	54	81	No		N69 & local traffic. Low level plant noise barely audible in traffic lulls.	Yes
21,22/05/201	Night		NSL3	49	42	49	69	No		Distant traffic noise. Plant barely audible at times.	Yes
21,22/05/201	Night		NSL4	47	42	48	76	No		N69 and local traffic. Steady low level plant noise audible in traffic lulls.	Yes
21,22/05/201	Night		NSL5	45	35	39	76	No		Plant faintly but steadily audible. Distant traffic noise. Barking dog.	Yes
21,22/05/201	Night		NSL6	37	36	39	57	No		Steady plant noise. Distant traffic.	Yes
21,22/05/201	Night	BW		49	48	50	60	No		Distant traffic. Steady low level plant noise.	Yes

*Please ensure that a tonal analysis has been carried out as per guidance note NG4. These records must be maintained onsite for future inspection

If noise limits exceeded as a result of noise attributed to site activities, please choose the corrective action from the following options?

SELECT

** please explain the reason for not taking action/resolution of noise issues?
Any additional comments? (less than 200 words)

Resource Usage/Energy efficiency summary

Lic No:

P0395-03

Year

2014

Additional information

- 1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below
[SEAI - Large](#)
- 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
[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

Enter date of audit	Nov-14
Yes	LIEN
Yes	<1

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	196886	205051	+12.43%	-5.45%
Total Energy Generated (MWHrs)	40813	41312		
Total Renewable Energy Generated (MWHrs)	0	0		
Electricity Consumption (MWHrs)	1188	1059		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)	0	0		
Light Fuel Oil (m3)	12.51	30.007		
Natural gas (m3)	16838230	17656021		
Coal/Solid fuel (metric tonnes)	0	0		
Peat (metric tonnes)	0	0		
Renewable Biomass	0	0		

Resource Usage/Energy efficiency summary	Lic No:	P0395-03	Year	2014
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Renewable energy generated on site	0	0		
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* where consumption of energy can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.

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

Table R2 Water usage on site		Water Emissions			Water Consumption		
Water use	Water extracted Previous year m3/yr.	Water extracted Current year m3/yr.	Production +/- % compared to previous reporting year**	Water 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	0	0					
Surface water	803463	720697			552729	Not Available	167968
Public supply	0	0					
Recycled water	0	0					
Total	803463	720697	+12.43%	-20.22%	552729	Not Available	167968

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

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

Table R3 Waste Stream Summary					
	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)	165.832	0	10.383	9.089	146.36
Non-Hazardous (Tonnes)	5403.247	224.35	321.27	4227.087	630.54

Resource Usage/Energy efficiency summary

Lic No: P0395-03

Year

2014

Table R4: Energy Audit finding recommendations								
Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
Nov-14	Deaerator Heat Recovery	Recover heat from 3 No flash steam vent and preheat water to Deaerator	energy audit	1.43%	Q3 2015	C Nevin	Q3 2015	Planned
Nov-14	Steam Trap Upgrade	Replace passing steam traps	energy audit	1.46%	Q3 2015	C Nevin	Q3 2015	Planned
Nov-14	Dryer HVAC Upgrade	Upgrade HVAC BMS	energy audit	1.10%	Q2 2015	C Nevin	Q3 2015	Planned

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	CHP				
Primary Fuel	NATURAL GAS				
Thermal Efficiency	52%				
Unit Date of Commission	Nov-04				
Total Starts for year	Not available				
Total Running Time	8,511 Hours				
Total Electricity Generated (GWH)	41.1				
House Load (GWH)	30.9				
KWH per Litre of Process Water					
KWH per Litre of Total Water used on Site					

Complaints and Incidents summary template Lic No: P0395-03 Year 2014

Complaints

Additional information

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

Yes

Table 1 Complaints summary							
Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action< 20 words	Resolution status	Resolution date	Further information
18/09/2014	Noise		Noise from steam venting at the Boilers and a relief valve lifting.	Venting at the boilers was due to maintenance work and fo a short duration. The faulty valve was repaired.	Complete	19/09/2014	
	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

Complaints and Incidents summary template

Lic No: P0395-03 Year 2014

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	
Yes	

*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
05/05/2014	Spillage	Chemical tanker unloading pad	2. Limited	No Uncontrolled release	Other (add details)	Faulty valve on road tanker.	Normal activities	EPA	New	Majority of spill captured and transferred off site for treatment. Remainder treated on site.	Safeguards and checks implemented by transporter.	Complete	06/06/2014	Low
23/06/2014	Breach of ELV	Licensed discharge point (SW1)	2. Limited	Water	Plant or equipment issues		Normal activities	EPA/IF/LA	New	Intensive de-sludging to reduce sludge age.	Close monitoring of WWTP and maintain younger sludge age.	Complete	24/06/2014	Low
29/09/2014	Breach of ELV	Licensed discharge point (SW1)	2. Limited	Water	Plant or equipment issues		Normal activities	EPA/IF/LA	New	De-sludge and feed biomass	Close monitoring of WWTP operations and advice sought on biomass condition from outside resource.	Complete	30/09/2014	Low
	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	3													
Total number of incidents previous year	0													
% reduction/increase	+300													

WASTE SUMMARY	Lic No: P0395-03	Year: 2014
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES	PRTR facility logon	dropdown list click to see options

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

Additional Information	
1	Were any wastes <u>accepted onto</u> your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility?; (waste generated within your boundaries is to be captured through PRTR reporting)
	No
2	Did your site have any rejected consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information
	No
3	Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information
	No

Table 1 Details of waste accepted onto your site for recovery, disposal or treatment (do not include wastes generated at your site, as these will have been reported in your PRTR workbook)

Licenced annual tonnage limit for your site (total tonnes/annum)	EWC code European Waste Catalogue EWC codes	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which applies to relevant EWC code European Waste Catalogue EWC codes	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

WASTE SUMMARY Lic No: P0395-03 Year 2014

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?

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

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	

[Guidance to completing the PRTR workbook](#)

AER Returns Workbook

Version 1.1.18

REFERENCE YEAR	2014
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1. FACILITY IDENTIFICATION

Parent Company Name	Wyeth Nutritionals Ireland Ltd
Facility Name	Pfizer Nutritionals Ireland Limited
PRTR Identification Number	P0395
Licence Number	P0395-03

Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Coolrahee
Address 2	Askeaton
Address 3	
Address 4	
	Limerick
Country	Ireland
Coordinates of Location	-8.98170 52.6091
River Basin District	IEGBNISH
NACE Code	1051
Main Economic Activity	Operation of dairies and cheese making
AER Returns Contact Name	Brian Shiel
AER Returns Contact Email Address	brian.shiel@wyethnutrition.com
AER Returns Contact Position	SH&E Lead
AER Returns Contact Telephone Number	061 601 307
AER Returns Contact Mobile Phone Number	087 130 4522
AER Returns Contact Fax Number	061 392 440
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	620
User Feedback/Comments	Non hazardous waste sent for disposal was significantly reduced due to the work completed as part of our objective to send zero waste to landfill.
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
8(c)	Treatment and processing of milk
1(c)	Thermal power stations and other combustion installations

3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)

Is it applicable?	No
Have you been granted an exemption?	
If applicable which activity class applies (as per Schedule 2 of the regulations)?	
Is the reduction scheme compliance route being used?	

4. WASTE IMPORTED/ACCEPTED ONTO SITE

[Guidance on waste imported/accepted onto site](#)

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities)?	No
---	----

This question is only applicable if you are an IPPC or Quarry site

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

| PRTR#: P0395 | Facility Name : Pfizer Nutritionals Ireland Limited | Filename : P0395_2014.xls | Return Year : 2014 |

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		METHOD			Please enter all quantities in this section in KGs				QUANTITY		
No. Annex II	Name	M/C/E	Method Code	Designation or Description	A1-1 Emission Point 1	A1-2 Emission Point 2	A1-4 Emission Point 3	Total Site Emission Point 4	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
				Calculated from biannual monitoring of boilers using 2013 data (ISO 12039) and estimation of anticipated emissions from the CHP							
02	Carbon monoxide (CO)	C	OTH	Plant.	18597.0	313.0	55.0	0.0	18965.0	0.0	0.0
03	Carbon dioxide (CO2)	C	ETS		0.0	0.0	0.0	0.0	0.0	0.0	0.0
08	Nitrogen oxides (NOx/NO2)	M	ISO 10849:1996		43974.0	800.0	47.0	0.0	44821.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING PRTR POLLUTANTS

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION C : REMAINING POLLUTANT EMISSIONS (As required in your Licence)

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

Additional Data Requested from Landfill operators

For the purposes of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane) flared or utilised on their facilities to accompany the figures for total methane generated. Operators should only report their Net methane (CH4) emission to the environment under T(total) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table below:

Landfill: Please enter summary data on the quantities of methane flared and / or utilised	Pfizer Nutritionals Ireland Limited			
	T (Total) kg/Year	M/C/E	Method Code	Designation or Description
Total estimated methane generation (as per site model)	0.0			Facility Total Capacity m3 per hour N/A
Methane flared	0.0			0.0 (Total Flaring Capacity)
Methane utilised in engine/s	0.0			0.0 (Total Utilising Capacity)
Net methane emission (as reported in Section A above)	0.0			N/A

4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

| PRTR# : P0395 | Facility Name : Pfizer Nutritionals Ireland Limited | Filename : P0395_2014.xls | Return Year : 2014 |

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as this only concerns Rele

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		Method Used			QUANTITY			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	SW1 Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
12	Total nitrogen	M	OTH	1007 Colorimetric Hach Method	1805.0	1805.0	0.0	0.0
13	Total phosphorus	M	OTH	8190 Colorimetric Hach Method	136.0	136.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING PRTR POLLUTANTS

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		Method Used			QUANTITY			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION C : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		Method Used			QUANTITY			
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	SW1 Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
238	Ammonia (as N)	M	OTH	10031 Colorimetric Hach Method	795.0	795.0	0.0	0.0
303	BOD	M	OTH	5-day BOD Test	7115.0	0.0	0.0	0.0
314	Fats, Oils and Greases	E	ESTIMATE		2764.0	2764.0	0.0	0.0
306	COD	M	OTH		24382.0	0.0	0.0	0.0
240	Suspended Solids	M	OTH		12313.0	0.0	0.0	0.0
387	Ortho-phosphate (as P)	M	EN ISO 6878:2004		71.0	71.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

| PRTR# : P0395 | Facility Name : Pfizer Nutritionals Ireland Limited | Filename : P0395_2014.xls | R

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SECTION A : PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
No. Annex II	Name	M/C/E	Method Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description	0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
Pollutant No.	Name	M/C/E	Method Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description	0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

| PRTR# : P0395 | Facility Name : Pfizer Nutritionals Ireland Limited | Filename : P0395_2014.xls | Return Year : 2014 |

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SECTION A : PRTR POLLUTANTS

RELEASES TO LAND					Please enter all quantities in this section in KGs		
POLLUTANT		METHOD			QUANTITY		
No. Annex II	Name	M/C/E	Method Code	Method Used Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

RELEASES TO LAND					Please enter all quantities in this section in KGs		
POLLUTANT		METHOD			QUANTITY		
Pollutant No.	Name	M/C/E	Method Code	Method Used Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : P0395 | Facility Name : Pfizer Nutritionals Ireland Limited | Filename : P0395_2014.xls | Return Year : 2014 |

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Please enter all quantities on this sheet in Tonnes

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Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Haz Waste: Name and Licence/Permit No of Recover/Disposer	Non Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination I.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
To Other Countries	20 01 25	No	129.06	edible oil and fat	R3	M	Weighed	Abroad	Bensons Products Ltd.,LN-53763	Oakfield Refinery MacDermott Road,Widnes,Cheshire,WA 8 OPF,United Kingdom		
Within the Country	02 05 02	No	2447.04	sludges from on-site effluent treatment	R3	M	Weighed	Offsite in Ireland	McDonnell Farms Biogas Ltd.,WFP/LK/2011/50/R2/T1	Dunmoylan,Shanagolden,Co . Limerick,,Ireland		
Within the Country	02 05 01	No	127.36	materials unsuitable for consumption or processing	R3	M	Weighed	Offsite in Ireland	Waddock Composting,WFP-CW-11-05-01	Killamaster,Tullow,Co. Carlow,,Ireland		
Within the Country	06 01 02	Yes	131.54	hydrochloric acid	D9	M	Weighed	Offsite in Ireland	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare,,Ireland	Enva Ireland Ltd.,W0041-01,Smithstown Ind. Est.,Shannon,Co. Clare,,Ireland	Smithstown Ind. Est.,Shannon,Co. Clare,,Ireland
To Other Countries	06 01 05	Yes	10.434	nitric acid and nitrous acid	D9	M	Weighed	Abroad	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare,,Ireland	Enva Ireland Ltd.,184-1,Clonminam Ind. Est.,Portlaoise,Co. Laoise,-,Ireland	Krombacher Strabe 42-46,57223,Kreutzal,,Germany
To Other Countries	07 01 04	Yes	1.179	other organic solvents, washing liquids and mother liquors	R1	M	Weighed	Abroad	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare,,Ireland	Enva Ireland Ltd.,184-1,Clonminam Ind. Est.,Portlaoise,Co. Laoise,-,Ireland	S.A. Scoribel,rue de Courriere 42,7181 Seneffe,,Belgium
To Other Countries	08 01 11	Yes	1.976	waste paint and varnish containing organic solvents or other dangerous substances	R1	M	Weighed	Abroad	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare,,Ireland	Enva Ireland Ltd.,184-1,Clonminam Ind. Est.,Portlaoise,Co. Laoise,-,Ireland	Krombacher Strabe 42-46,57223,Kreutzal,,Germany
Within the Country	13 02 08	Yes	4.3	other engine, gear and lubricating oils	R9	M	Volume Calculation	Offsite in Ireland	Enva Ireland Ltd.,184-1 Greenstar Env. Services Ltd.,W0082-2	Clonminam Ind. Est.,Portlaoise,Co. Laoise,-,Ireland	Enva Ireland Ltd.,184-1,Clonminam Ind. Est.,Portlaoise,Co. Laoise,-,Ireland	Clonminam Ind. Est.,Portlaoise,Co. Laoise,-,Ireland
Within the Country	15 01 06	No	532.98	mixed packaging	R3	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeeffe Townland,Dock Road,Limerick,-,Ireland		
Within the Country	20 01 02	No	24.507	glass	R5	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeeffe Townland,Dock Road,Limerick,-,Ireland		
To Other Countries	15 01 10	Yes	0.107	packaging containing residues of or contaminated by dangerous substances	R1	M	Weighed	Abroad	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare,,Ireland	Enva Ireland Ltd.,184-1,Clonminam Ind. Est.,Portlaoise,Co. Laoise,-,Ireland	Krombacher Strabe 42-46,57223,Kreutzal,,Germany
Within the Country	15 01 10	Yes	1.178	packaging containing residues of or contaminated by dangerous substances	R3	M	Weighed	Offsite in Ireland	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare,,Ireland	Enva Ireland Ltd.,184-1,Clonminam Ind. Est.,Portlaoise,Co. Laoise,-,Ireland	Clonminam Ind. Est.,Portlaoise,Co. Laoise,-,Ireland
Within the Country	15 01 10	Yes	0.106	packaging containing residues of or contaminated by dangerous substances	R4	M	Weighed	Offsite in Ireland	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare,,Ireland	Enva Ireland Ltd.,W0041-01,Smithstown Ind. Est.,Shannon,Co. Clare,,Ireland	Smithstown Ind. Est.,Shannon,Co. Clare,,Ireland

To Other Countries	15 02 02	Yes	0.22	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	R1	M	Weighed	Abroad	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare,..,Ireland	Lindenschmidt KG Umweltservice,04 714 98089,Krombacher Strabe 42-46,57223,Kreutzal,..,Germany	Krombacher Strabe 42-46,57223,Kreutzal,..,Germany
Within the Country	16 05 04	Yes	0.033	gases in pressure containers (including halons) containing dangerous substances	R1	M	Weighed	Offsite in Ireland	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare,..,Ireland	Enva Ireland Ltd.,184-1,Clonminam Ind. Est.,Portlaoise,Co. Loaise,..,Ireland	Clonminam Ind. Est.,Portlaoise,Co. Loaise,..,Ireland
To Other Countries	16 05 06	Yes	4.692	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	R1	M	Weighed	Abroad	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare,..,Ireland	Lindenschmidt KG Umweltservice,04 714 98089,Krombacher Strabe 42-46,57223,Kreutzal,..,Germany	Krombacher Strabe 42-46,57223,Kreutzal,..,Germany
Within the Country	17 01 07	No	630.54	01 06 mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17	R10	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeeffe Townland,Dock Road,Limerick,..,Ireland		
Within the Country	20 01 01	No	9.15	paper	R3	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	5 Parkwest Ind. Est.,Dublin,Dublin 12,Ireland		
Within the Country	20 01 01	No	215.66	paper and cardboard	R3	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeeffe Townland,Dock Road,Limerick,..,Ireland		
Within the Country	20 01 21	Yes	0.39	fluorescent tubes and other mercury-containing waste	R5	M	Weighed	Offsite in Ireland	Irish Lamp Recycling Co. Ltd.,WFP-KE-14-0072-01	Woodstock Ind. Est.,Kilkenny Road,Athy Co. Kildare,..,Ireland	Irish Lamp Recycling Co. Ltd.,WFP-KE-14-0072-01,Woodstock Ind. Est.,Kilkenny Road,Athy Co. Kildare,..,Ireland	Woodstock Ind. Est.,Kilkenny Road,Athy Co. Kildare,..,Ireland
To Other Countries	20 01 27	Yes	2.176	paint, inks, adhesives and resins containing dangerous substances	R1	M	Weighed	Abroad	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare,..,Ireland	Lindenschmidt KG Umweltservice,04 714 98089,Krombacher Strabe 42-46,57223,Kreutzal,..,Germany	Krombacher Strabe 42-46,57223,Kreutzal,..,Germany
Within the Country	20 01 33	Yes	0.086	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries	R11	M	Weighed	Offsite in Ireland	Irish Lamp Recycling Co. Ltd.,WFP-KE-14-0072-01	Woodstock Ind. Est.,Kilkenny Road,Athy Co. Kildare,..,Ireland	Irish Lamp Recycling Co. Ltd.,WFP-KE-14-0072-01,Woodstock Ind. Est.,Kilkenny Road,Athy Co. Kildare,..,Ireland	Woodstock Ind. Est.,Kilkenny Road,Athy Co. Kildare,..,Ireland
Within the Country	20 01 35	Yes	7.415	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and and 20 01 23 containing hazardous components	R4	M	Weighed	Offsite in Ireland	Irish Lamp Recycling Co. Ltd.,WFP-KE-14-0072-01	Woodstock Ind. Est.,Kilkenny Road,Athy Co. Kildare,..,Ireland	Enva Ireland Ltd.,184-1,Clonminam Ind. Est.,Portlaoise,Co. Loaise,..,Ireland	Clonminam Ind. Est.,Portlaoise,Co. Loaise,..,Ireland
Within the Country	20 01 38	No	20.8	wood other than that mentioned in 20 01 37	R3	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeeffe Townland,Dock Road,Limerick,..,Ireland		
Within the Country	15 01 02	No	32.72	plastic packaging	R3	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeeffe Townland,Dock Road,Limerick,..,Ireland		
Within the Country	20 01 40	No	564.89	metals	R4	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeeffe Townland,Dock Road,Limerick,..,Ireland		
Within the Country	02 03 04	No	68.56	materials unsuitable for consumption or processing	R3	M	Weighed	Offsite in Ireland	Clean (Ir) Refuse & Recycling Company Limited,W0253-01	Ballinagun West,Cree,Co. Clare,..,Ireland		
Within the Country	15 01 01	No	54.36	paper and cardboard packaging	R3	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeeffe Townland,Dock Road,Limerick,..,Ireland		
Within the Country	20 03 01	No	224.35	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeeffe Townland,Dock Road,Limerick,..,Ireland		
Within the Country	20 03 01	No	321.27	mixed municipal waste	R1	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeeffe Townland,Dock Road,Limerick,..,Ireland		