

Facility Information Summary

Licence Register Number
 Name of site
 Site Location
 NACE Code
 Class of Activity
 RBME risk category
 National Grid Reference (6E, 6 N)

P0395-03
Pfizer Nutritionals Ireland Limited.
Askeaton, Co. Limerick
1051
7.2.1 and 2.1
P-A3
-8.98170 52.6091

A brief description of the activities/process at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance improvements which were measured during the reporting year;

Pfizer Nutritionals Ireland Ltd t/a Wyeth Nutrition. is one of Europe's leading producers of infant and child nutritional products. Established in 1974, this world class facility is one of largest purpose built infant nutritional production facility in the world. The plant produces both powdered formulas and a liquid ready to feed range of products. The plant has an annual production capacity of 50 million kilograms, and 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. The cornerstone of the Pfizer philosophy is one of quality with extensive testing at every stage of production to ensure families get only the best in infant and child nutritional products.

Output from the plant decreased by 8.6% when compared with the production output for 2011. 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 2012 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 SH&E Manager (or nominated, suitably qualified and experienced deputy)	Date 25/09/13
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AER summary template-AIR emissions

1 Does your site have licensed air emissions? If yes please complete table 1, 2 and 3 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 5 and 6) you only need to complete table 1 fugitive emissions on site below

Additional information	
Yes	

Table 1 Fugitive emissions

Parameter /Substance	Annual fugitive emission (kg/annum)	Quantificaton method M/C/E
SELECT		SELECT

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 Table 2 below

No	
Yes	

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](#)

Table 2: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)

Emission reference no:	Parameter/ Substance	Date of Monitoring	ELV in licence or any revision therof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	% change in mass load from previous year +/-	Comments
A2-1	Dust	09/02/2012	50	100 % of values < ELV	32.9	mg/Nm3	yes	EN 13284-1			
A2-1	volumetric flow	09/02/2012			34693	Nm3/hour		EN 13284-1			
A2-3	Dust	09/02/2012	50	100 % of values < ELV	40.9	mg/Nm3	yes	EN 13284-1			
A2-3	volumetric flow	09/02/2012			84031	Nm3/hour		EN 13284-1			
A2-4	Dust	18/01/2013	50	100 % of values < ELV	13.63	mg/Nm3	yes	EN 13284-1			
A2-4	volumetric flow	18/01/2012			114573	Nm3/hour		EN 13284-1			

A2-6	Dust	18/01/2012	50	100 % of values < ELV	16.78	mg/Nm3	yes	EN 13284-1			
A2-6	volumetric flow	18/01/2012			95444	Nm3/hour		EN 13284-1			
A2-1	Dust	03/05/2012	50	100 % of values < ELV	46.59	mg/Nm3	yes	EN 13284-1			
A2-1	volumetric flow	03/05/2012			29983	Nm3/hour		EN 13284-1			
A2-3	Dust	03/05/2012	50	100 % of values < ELV	23.13	mg/Nm3	yes	EN 13284-1			
A2-3	volumetric flow	03/05/2012			77607	Nm3/hour		EN 13284-1			
A2-4	Dust	17/04/2012	50	100 % of values < ELV	24.14	mg/Nm3	yes	EN 13284-1			
A2-4	volumetric flow	17/04/2012			105319	Nm3/hour		EN 13284-1			
A2-6	Dust	16/04/2012	50	100 % of values < ELV	29.59	mg/Nm3	yes	EN 13284-1			
A2-6	volumetric flow	16/04/2012			102758	Nm3/hour		EN 13284-1			
A1-1	Nitrogen oxides (NOx/NO2)	17/04/2012	300	100 % of values < ELV	173	mg/Nm3	yes	EN 14792:2005			
A1-1	volumetric flow	17/04/2012			26401	Nm3/hour		ESTIMATE			Design data
A1-2	Nitrogen oxides (NOx/NO2)	16/04/2012	200	100 % of values < ELV	56.6	mg/Nm3	yes	EN 14792:2005			
A1-2	Carbon monoxide (CO)	16/04/2012	100	100 % of values < ELV	1.8	mg/Nm3	yes	EN 15058:2004			
A1-2	volumetric flow	16/04/2012			2506	Nm3/hour		EN 13284-1			
A2-3	Dust	11/09/2012	50	100 % of values < ELV	25.62	mg/Nm3	yes	EN 13284-1			
A2-3	volumetric flow	11/09/2012			74765	Nm3/hour		EN 13284-1			
A2-4	Dust	04/09/2012	50	100 % of values < ELV	20.03	mg/Nm3	yes	EN 13284-1			
A2-4	volumetric flow	04/09/2012			99851	Nm3/hour		EN 13284-1			
A2-6	Dust	04/09/2012	50	100 % of values < ELV	14.73	mg/Nm3	yes	EN 13284-1			

A2-6	volumetric flow	04/09/2012			97251	Nm3/hour		EN 13284-1			
A2-3	Dust	11/12/2012	50	100 % of values < ELV	37.33	mg/Nm3	yes	EN 13284-1			
A2-3	volumetric flow	11/12/2012			77802	Nm3/hour		EN 13284-1			
A2-4	Dust	22/10/2012	50	100 % of values < ELV	22.19	mg/Nm3	yes	EN 13284-1			
A2-4	volumetric flow	22/10/2012			95320	Nm3/hour		EN 13284-1			
A2-6	Dust	22/10/2012	50	100 % of values < ELV	26.9	mg/Nm3	yes	EN 13284-1			
A2-6	volumetric flow	22/10/2012			98182	Nm3/hour		EN 13284-1			
A1-1	Nitrogen oxides (NOx/NO2)	22/10/2012	300	100 % of values < ELV	162.2	mg/Nm3	yes	EN 14792:2005			
A1-1	volumetric flow	22/10/2012			26401	Nm3/hour		ESTIMATE			Design data
A1-2	Nitrogen oxides (NOx/NO2)	11/12/2012	200	100 % of values < ELV	73.4	mg/Nm3	yes	EN 14792:2005			
A1-2	Carbon monoxide (CO)	11/12/2012	100	100 % of values < ELV	30.5	mg/Nm3	yes	EN 15058:2004			
A1-2	volumetric flow	11/12/2012			8225	Nm3/hour		EN 13284-1			
	Dust								29424	+41	
	Nitrogen oxides (NOx/NO2)								38396	+8	
	Carbon monoxide (CO)								18736	-0.5	Not required to monitor CO emissions from A1-1 so estimate using 2006 data was used to calculate the annual mass emissions

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

Continuous Monitoring

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 3 and compare it to its relevant Emission Limit Value (ELV)

SELECT

5 Did continuous monitoring equipment experience downtime? If yes please record downtime in table 3 below

SELECT

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

SELECT

7 Did your site experience any abatement system bypasses? If yes please detail them in table 4 below

SELECT

Table 3: 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)	% compliance current reporting year	Comments
	SELECT			SELECT	SELECT					

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

Table 4: Abatement system bypass reporting table

[Bypass protocol](#)

Date*	Duration** (hours)	Location	Reason for bypass	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

8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out table 5

SELECT	
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Table 5: Solvent Management Plan Summary		Solvent regulations Please refer to linked solvent regulations to complete table 5 and 6			
Total VOC Emission limit value					
Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)	Total VOC emissions as %of solvent input	Total Emission Limit Value (ELV) in licence or any revision therof	Compliance
					SELECT
					SELECT

Table 6: Solvent Mass Balance summary								
	(I) Inputs (kg)	(O) Outputs (kg)						
Solvent	(I) Inputs (kg)	Organic solvent emission in waste gases(kg)	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g. by-passes (kg)	Solvents destroyed onsite through physical reaction e.g. incineration(kg)	Total emission of Solvent to air (kg)
							Total	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)

Additional information

1 Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table 3 and 4 below for the current reporting year and answer further questions. If **you do not have** licensed emissions you only need to complete table 1 and /table 2 below for ambient monitoring 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 2 below summarising only any evidence of contamination noted during visual inspections

Yes	
Yes	

Table 1 Ambient 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	

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

Table 2 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 3 below

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](#)

SELECT	
SELECT	

Table 3: Licensed Emissions to water and /or wastewater (sewer)-periodic monitoring (non-continuous)

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Date 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)	% change in mass load from previous year +/-	Comments
SW1	Water	Toxicity	composite	18/09/2012		5	All results < 1.2 x	<2.2	TU	yes	Toxicological Analysis	ISO	11348-3:2007			

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

Additional Information

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

Yes	
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If yes please summarise your continuous monitoring data below in Table 4 and compare it to its relevant Emission Limit Value (ELV)

6 Did continuous monitoring equipment experience downtime? If yes please record downtime in table 4 below

No	
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7 Do you have a proactive service contract for each piece of continuous monitoring equipment on site?

No	
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8 Did abatement system bypass occur during the reporting year? If yes please complete table 5 below

No	
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Table 4: 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)	% compliance current reporting year	Comments			
SW1	Water	volumetric flow	2800	24 hour	No flow value shall exceed the .specific limit	m3/day			0	100				
SW1	Water	pH	6-9	Continuous	No pH value shall deviate from the .specified range	pH units			0	100				
SW1	Water	BOD	40	24 hour	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	mg/L			0	100				
SW1	Water	BOD	100	24 hour	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	kg/day	6092	-39	0	100				
SW1	Water	Suspended Solids	50	24 hour	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	mg/L			0	100				
SW1	Water	Suspended Solids	140	24 hour	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	kg/day	10277	-13	0	100				
SW1	Water	Total nitrogen	15	24 hour	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	mg/L			0	100				
SW1	Water	Total nitrogen	42	24 hour	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	kg/day	1351	-52	0	100				
SW1	Water	Total phosphorus	2	24 hour	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	mg/L			0	100				
SW1	Water	Total phosphorus	5.6	24 hour	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	kg/day	131	-20	0	100				

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			0	100				
SW1	Water	Fats, Oils and Greases	42	24 hour	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	kg/day	3060	-3	0	100	5 mg/l limit of detection was used to estimate results.			
SW1	Water	Ammonia (as N)	10	24 hour	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	mg/L			0	100				
Sw1	Water	Ammonia (as N)	28	24 hour	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	kg/day	857	-23	0	100				

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

Table 5: Abatement system bypass reporting table

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

*Measures taken or proposed to reduce or limit bypass frequency

Bund/pipe testing report summary ALL IPPC/WASTE licensed facilities **Intensive agriculture facilities please use alternative template**

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 1 below listing all bunds and

1 containment structures on site

2 Please provide integrity testing frequency period

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

3 type units and mobile bunds)

SELECT	
SELECT	
SELECT	

Table 1: Summary details of bund 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. 7	other (please specify)	Reinforced concrete, plastic lined	Sodium Hydroxide (47%)	86.05	50.06	Other (please specify)	Spark test	May-12	Yes	Fail	Failed spark test	Other (repair and re-test plan	2013	
Bund No. 8	reinforced concrete	Reinforced concrete, plastic lined	Nitric acid (60% and hydroc)	89.54	56.1	Other (please specify)	Spark test	May-12	Yes	Fail	Foaled spark test	Other (Replace with propriat	2013	

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

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

4 line with BS8007/EPA Guidance?

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

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

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

8 If yes to Q7 are these failsafe systems included in a maintenance and testing programme?

[bundings and storage guidelines](#)

Commentary	
Yes	EPA Guidance only
Yes	
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

1 underground structures and pipelines on site

2 Please provide integrity testing frequency period

Yes	
3 years	

Table 2: Summary details of underground structures/pipeline 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)
F256	Process	concrete	No	SELECT	Combination	Yes	Fail	Benching poor	Schedule for repair and re-test	2013	SELECT
F257	Process	concrete	No		Combination	Yes	Fail	Benching poor	Schedule for repair and re-test	2013	
F258	Process	concrete	No		Combination	Yes	Fail	Benching poor	Schedule for repair and re-test	2013	
F57	Process	concrete	No		Combination	Yes	Fail	Benching poor	Schedule for repair and re-test	2013	
F35	Process	concrete	No		Combination	Yes	Fail	Benching poor	Schedule for repair and re-test	2013	
F36	Process	concrete	No		Combination	Yes	Fail	Benching poor	Schedule for repair and re-test	2013	
F42A	Process	Mix (concrete/steel)	No		Combination	Yes	Fail	Benching eroded	Schedule for repair and re-test	2013	
F42C	Process	Mix (concrete/steel)	No		Combination	Yes	Fail	Inlet connection failed	Repaired	2012	Pass
F9	Process	concrete	No		Combination	Yes	Fail	Top of line re-seal	Schedule for repair and re-test	2013	
Pump station to F40	Process	pvc	No		Combination	Yes	Fail	Unknown	Schedule for repair and re-test	2013	
F49 to gullies	Process	steel	No		Combination	Yes	Fail	Unknown	Schedule for repair and re-test	2013	
F10 to F11	Process	steel	No		Combination	Yes	Fail	Joint at chamber fail	Schedule for repair and re-test	2013	
F14 to F213	Foul	ceramic	No		Combination	Yes	Fail	Fracture	Relined	2012	Pass
F213 to F15	Foul	ceramic	No		Combination	Yes	Fail	Fracture	Relined	2012	Pass
F15 to F16	Foul	ceramic	No		Combination	Yes	Fail	Fracture	Relined	2012	Pass
F16 to F17	Foul	ceramic	No		Combination	Yes	Fail	Fracture	Relined	2012	Pass
F27 to F28	Foul	ceramic	No		Combination	Yes	Fail	Fracture	Relined	2012	Pass
F13	Foul	concrete	No		Combination	Yes	Fail	Benching poor	Repaired	2012	Pass
F14	Foul	concrete	No		Combination	Yes	Fail	Benching poor	Repaired	2012	Pass
F213	Foul	concrete	No		Combination	Yes	Fail	Benching poor	Repaired	2012	Pass
F15	Foul	concrete	No		Combination	Yes	Fail	Benching poor	Repaired	2012	Pass
F45B	Process	concrete	No		Combination	Yes	Fail	Invert fail, EW pipes Broken	Replaced with SS chamber	2012	Pass
F45D	Process	concrete	No		Combination	Yes	Fail	Concrete poor	Replaced chamber	2012	Pass

Tank and Pipeline assessment reporting-Intensive Agriculture sector only

Additional information if required

- 1 Is it a requirement of your licence to carry out a tank and pipeline assessment for effluent storage on site?
- 2 Is it a requirement of your licence to submit a programme for agreement to the Agency prior to carrying out a tank and pipeline assessment?
If yes has a programme been submitted to the Agency for agreement on the testing and inspection of under and over-ground effluent storage tanks and pipelines? Please
- 3 enter date of submission in additional information
- 4 What method has been proposed for the testing of under and over ground effluent storage tanks and pipelines?
Has the testing and inspection of under and over ground effluent storage tanks and pipelines been completed during the current reporting year? If
- 5 no please enter date last tank and pipeline assessment was completed in additional information.
- 6 If Visual inspection was the method used were any cracks or defects detected? If yes please detail in additional information
- 7 If yes to Q6 have the cracks or defects been repaired successfully? If no please explain in additional information
If hydrogeological or geophysics investigation methods were used was there any evidence of contamination detected? If yes please detail in
- 8 additional information
- 9 If yes to Q8 please detail proposed or completed remediation work in additional information
Are there any leak detection systems on site? Please see Department of Agriculture's S126 and EPA
- 10 guidance on Storage and Bunding of materials for required systems [S126.pdf](#) [bundling and storage guidelines](#)
- 11 From the visual inspections carried out has any discharge been visible in the leak detection inspection chamber? If yes please enter details in table 1
- 12 Was it a requirement of your licence to analyse samples for the current reporting year. If yes please enter details of any samples taken in table 2 below
- 13 When is the next tank and pipeline assessment due?
- 14 Does the licensee consider they are compliant with licence conditions?
- 15 Include details of any other findings of report

SELECT	
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	

Table 1: Visual inspection of leak detection chamber

Date	Evidence of discharge	Samples taken (reference in table 2)

Table 2: Samples collected from leak detection chamber

Date	Sample frequency	Sample id	Colour/Odour	Parameter	ELV (If applicable)	Measured value
	SELECT					
	SELECT					

Table 3 Storage capacity for Organic Fertiliser

Total organic fertiliser storage capacity (m3)	Quantity of organic fertiliser generated by the animals housed on site in previous reporting year	Total quantity of organic fertiliser moved off site and recorded in the organic fertiliser register and "record 3" as submitted to DAFM* in previous reporting year	Quantity of organic fertiliser on site at the start of reporting year	Quantity of organic fertiliser at close of current reporting year	Have records of movement of organic fertiliser (record 3) for the previous calendar year been submitted to DAFM?
					SELECT

*DAFM -Department of Agriculture Food and Marine

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	
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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
09/01/2012	Noise		Noise from fire alarm due to power failure	Determine cause of power failure and implemented solution to prevent reoccurrence.	Complete	Feb-12	
10/02/2012	Noise		Noise from PRV on HTST in P2X due to burst control line	Shut down process and repaired control line	Complete	10/02/2012	
16/08/2012	Noise		Noise from a PRV	Checked external areas and	Complete	17/08/2012	
03/09/2012	Noise		Noise from steam venting	Steam vented from Boiler 1 to remove valve.	Complete	03/09/2012	
31/10/2012	Noise		Continuous noise over three nights.	Reeviewed plant operations which did not corrolate with complaint times.	Complete	31/10/2012	
01/11/2012	Noise		Noise from steam venting	Fitted bags over PRVs ti identify any issue.	Complete	01/11/2012	
01/11/2012	Noise		Noise from steam venting	Process 3 CIP system - faulty PRV.	Complete	01/11/2012	
01/11/2012	Noise		Noise from steam venting	Process 3 CIP system - faulty PRV.	Complete	01/11/2012	
06/11/2012	Noise		Sudden banging noise - short duration	Checked plant, questioned security guards. No issue found or noted.	Complete	06/11/2012	
Total complaints open at start of reporting year							0
Total new complaints received during reporting year							9
Total complaints closed during reporting year							9
Balance of complaints end of reporting year							0

Incidents

Additional information

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

No	
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*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
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT

Groundwater /Contaminated land summary report

	Comments
1 Are you required to carry out groundwater monitoring as part of your licence requirements?	yes
2 Are you required to carry out soil monitoring as part of your licence requirements?	no
3 Do you extract groundwater for use on site? If yes please specify use in comment section	no
4 Is there contaminated land and /or groundwater on site? If yes please answer q's 5-12	yes Quality of groundwater is impacted by the
5 Is the contamination related to operations at the facility (either current and/or historic)	no
6 Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	no
7 Please specify the proposed time frame for the remediation strategy	no
8 Is there a licence condition to carry out/update ELRA for the site?	yes
9 Has any type of risk assesment 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

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**	% change in average concentration previous year +/-	Upward trend in pollutant concentration over last 5 years of monitoring data
14/03/2012	BH201	pH	pH probe	biannual	8.01	7.17	pH units	N/A	N/A	-8	no
14/03/2012	BH201	COD	Colourimetric	biannual	<7	<7	mg/l	N/A	N/A	0	no
05/09/2012	BH201	Calcium	ICP-OES	biannual	80	73	mg/l	N/A	N/A	+19	no
14/03/2012	BH201	Iron (dissolved)	ICP-OES	biannual	<0.02	<0.02	mg/l	N/A	N/A	-76	no
05/09/2012	BH201	Magnesium	ICP-OES	biannual	8	7.5	mg/l	N/A	N/A	-1	no
05/09/2012	BH201	Manganese (dissolved)	ICP-OES	biannual	0.003	0.003	mg/l	N/A	N/A	-97	no
05/09/2012	BH201	Potassium	ICP-OES	biannual	6	5.5	mg/l	N/A	N/A	+18	no
05/09/2012	BH201	Sodium	ICP-OES	biannual	59	48.5	mg/l	150	N/A	0	no
05/09/2012	BH201	Total Alkalinity (CaCO3)	Metrohm	biannual	200	197	mg/l	N/A	N/A	-2	no
05/09/2012	BH201	Chloride	Aquakem	biannual	96	79	mg/l	187.5	N/A	=146	no
14/03/2012	BH201	Nitrate (as NO3)	Aquakem	biannual	5.2	4.7	mg/l	37.5	N/A	=40	no
14/03/2012	BH201	Nitrite (as NO2)	Aquakem	biannual	<0.02	<0.02	mg/l	0.375	N/A	0	no
14/03/2012	BH201	Orthophosphate	Aquakem	biannual	<0.03	<0.03	mg/l	0.04	0.035	-70	no
14/03/2012	BH201	Sulphate as SO4	Aquakem	biannual	20	19.5	mg/l	187.5	N/A	-4	no
14/03/2012	BH201	Fluoride	Dionex	biannual	<0.3	<0.3	mg/l	N/A	N/A	0	no
14/03/2012	BH201	BOD	Standard Method	biannual	<4	<4	mg/l	N/A	4	0	no

14/03/2012	BH201	Total Coliforms	mpn/100 ml	biannual	56	30	mpn/100 ml	N/A	N/A	+1400	no
14/03/2012	BH201	E. Coliforms	mpn/100 ml	biannual	<4	<4	mpn/100 ml	N/A	N/A	+300	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**	% change in average concentration previous year +/-	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
14/03/2012	BH203	pH	pH probe	biannual	7.7	7.2	pH units	N/A	N/A	-3	no
05/09/2012	BH203	COD	Colourimetric	biannual	8	8	mg/l	N/A	N/A	0	no
14/03/2012	BH203	Calcium	ICP-OES	biannual	77	75	mg/l	N/A	N/A	-36	no
14/03/2012	BH203	Iron (dissolved)	ICP-OES	biannual	0.861	0.491	mg/l	N/A	N/A	-85	no
14/03/2012	BH203	Magnesium	ICP-OES	biannual	7	6.5	mg/l	N/A	N/A	-45	no
14/03/2012	BH203	Manganese (dissolved)	ICP-OES	biannual	0.547	0.45	mg/l	N/A	N/A	-67	no
05/09/2012	BH203	Potassium	ICP-OES	biannual	26	19.5	mg/l	N/A	N/A	+19	yes
05/09/2012	BH203	Sodium	ICP-OES	biannual	84	70	mg/l	150	N/A	-25	no
14/03/2012	BH203	Total Alkalinity (CaCO3)	Metrohm	biannual	262	260	mg/l	N/A	N/A	-25	no
14/03/2012	BH203	Chloride	Aquakem	biannual	96	91	mg/l	187.5	N/A	-38	yes
05/09/2012	BH203	Nitrate (as NO3)	Aquakem	biannual	5.5	2.95	mg/l	37.5	N/A	+321	no
05/09/2012	BH203	Nitrite (as NO2)	Aquakem	biannual	0.62	0.62	mg/l	0.375	N/A	+589	no
14/03/2012	BH203	Orthophosphate	Aquakem	biannual	<0.03	<0.03	mg/l	0.04	0.035	-95	no
05/09/2012	BH203	Sulphate as SO4	Aquakem	biannual	34	31	mg/l	187.5	N/A	+5	no
14/03/2012	BH203	Fluoride	Dionex	biannual	<0.3	<0.3	mg/l	N/A	N/A	0	no
05/09/2012	BH203	BOD	Standard Method	biannual	3	3	mg/l	N/A	4	+20	no
05/09/2012	BH203	Total Coliforms	mpn/100 ml	biannual	3	2.5	mpn/100 ml	N/A	N/A	-74	no
14/03/2012	BH203	E. Coliforms	mpn/100 ml	biannual	<1	<1	mpn/100 ml	N/A	N/A	0	no

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

**Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV e.g. if the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS), If the site is close to a drinking water supply compare results to the Drinking Water Standards (DWS)

[Groundwater regulations](#) [Drinking water \(private supply\) standards](#) [Drinking water \(public supply\) standards](#) [Interim Guideline Values \(IGV\)](#)
[Surface water EQS](#) [GTV's](#)

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 Liability Risk Assessment

		Commentary	
1	Is it a requirement of your licence to complete an ELRA?	Yes	
2	Has an initial ELRA been submitted to and approved by the Agency?	Yes	The Agency did not approve or reject the initial ELRA. However, the Agency did approve the updated ELRA dated 23/03/11
3	Please enter the date of submission of the initial ELRA	19th August 2005	
4	Date of most recent substantial ELRA update	26th March 2012	ELRA is updated annually.
5	What financial instrument/s do you have in place to cover unknown liabilities?	Parent company guarantee	
6	Has this financial instrument/s been verified by the Agency?	Yes	
7	What is the date of expiry of this financial instrument?	No date specified	
8	Date of next required review of the ELRA?	Mar-13	

9 Please list the top 10 risks assessed on your site in table 1 below

Table 1 ELRA summary information

Click here to access EPA guidance on ELRA										
Operational Risk Assessment Category		SELECT								
Risk ID	Potential hazards	Environmental effect	Previous risk score	Mitigation measures to reduce risk			ELRA		Does the current financial provision (FP) cover the risk score?	
				Action	Date of implementation of mitigation measures	Comment	Revised Risk score for current reporting year	ELRA costing		
e.g	Pipeline failure	Failure of underground and overground pipelines or sumps	Potential pollution of soil and groundwater, and possibly River Deel (depending on nature of failure)	9	Infrastructural improvements	2012 and on-going	Testing, inspection and remediation programme for underground drainage network.	9	€100,000	Yes
	Fire	Major on-site fire or explosion	Release of toxic and hazardous material to atmosphere, surface water, groundwater.	Not assessed.	Operational controls	on-going	Fire detection, suppressions, control of hot works, ERT	8	€100,000	Yes
	Traffic incident and spill	Spillage of a substantial quantity of hazardous material related to production (worst case: CIP material)	Risk to human health. Failure of WWTP could ultimately impact surface water	Not assessed.	Operational controls	on-going	Staff are trained in materials handling and spill control techniques. Spill kits and MSDSs are provided. ERT on site. EPD maintained.	6	€50,000	Yes
	Process Plant failure	Failure of on-site environmental control systems.	Release of toxic and/or hazardous material to atmosphere and surface water.	Not assessed.	Operational controls	on-going	The site operates a preventative maintenance programme across the site. Environmentally critical equipment relate to the WWTP are maintained on a regular basis.	6	€50,000	Yes
	By-product use	Contamination of by-product used for animal feed.	Health effects on animals or humans.	4	Operational controls	on-going	No recorded incidents. Material tested and traceable. Material and process is regulated by the DAFF.	4	€50,000	Yes

Fire	Loss of containment of contaminated firewater.	Potential pollution of River Deel and/or groundwater.	4	Nothing		Low risk score	4	€50,000	Yes
Noise	Noise Generation	Noise pollution	Not assessed.	Infrastructural improvements	Feb-11	Engineering controls in place.	4	€10,000	Yes
Contractor activity	Various	Release of toxic and/or hazardous material to atmosphere, surface water, groundwater. Noise/odour/dust/visual nuisance.	Not assessed.	Operational controls	on-going	Approx. 45-50 contractors on site. Contractor induction training in place. Designated contractor compound. Waste management system in place.	4	€10,000	Yes
Process Plant failure	Overfilling of process storage tanks.	Release of potentially polluting substances to River Deel and/or soil.	3	Operational controls	on-going	The only overfilling incident occurred on site in 2008. Consequently, process storage tanks were fitted with high level alarms and automatic fill shut-off. All process storage tanks are bunded since 2008.	3	€25,000	Yes
Process Plant failure	Failure of overground storage secondary containment.	Potential pollution of soil and groundwater and possibly River Deel (depending on nature of failure)	3	Capital investment	2010	No previous incidents in 38 years of the sites operation. There are new secondary bunds around all four mix process tanks. A new bund was constructed in 2010 due to the installation of two new tanks for storage of aluminium sulphate and salt.	3	€25,000	Yes
SELECT			SELECT	SELECT			SELECT		SELECT
Total			SELECT	SELECT			SELECT		SELECT

Closure Restoration Aftercare Management Plan/ Restoration plan (CRAMP/RP)

1	Was a closure or restoration plan a requirement of the licence?	Yes
2	Has a closure plan submission been approved by the Agency?	Yes
3	What is the timescale for submission?	
4	What financial instrument do you have in place to cover known liabilities?	Parent company guarantee
5	What is the date of expiry of this financial instrument?	No date specified
6	What is the status of implementation of the plan?	Not implemented

Table 2 CRAMP summary information (NON Landfill)

Date of submission of plan	Risk category	Closure plan in place	Clean closure	Restoration Aftercare Management Plan	Change in Risk category since previous year	Increase in risk category	Does the current financial provision cover the risk score?	Value of current financial provision for site
05/04/2012	3	Yes	No	Yes	No	No	Yes	€2,233,414.00

Environmental Management Programme (EMP)/Continuous Improvement Programme

Highlighted cells contain dropdown menu click to view

Additional Information

1	Do you maintain an Environmental Mangement System for the site. If yes, please detail in additional information	Yes	Syteme 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
Additional improvements	Improve wastewater treatment plant performance and confirm the quality standard of monitoring data.	50	Implemented additional QC controls in the WWTP laboratory procedures. Modified operations to improve treatment process. Replaced the auto-sampler in the in the final discharge with a new refrigerated sampler. No exceedences of parameters occurred in 2012.	Individual	Increased compliance with licence conditions
Energy Efficiency/Utility conservation	Reduce water volume use by 3% compared with water volume used during 2011	70	Reduced the quantity of water used for CIP. Optimise the CIP Process 3 inter-batch. Fitted water meters to five CIP stations. Examines evaporator rinses to determine water savings.	Section Head	Improved Environmental Management Practices
Energy Efficiency/Utility conservation	Reduce CO2 emissions by 6% per kg compared with 2011 CO2 emissions.	70	Identified energy reduction opportunities and implemented projects to reduce energy consumption and CO2 emissions.	Section Head	Reduced emissions

Waste reduction/Raw material usage efficiency	Reduce net waste generated by 2% compared to net waste generated during 2010.	60	Reviewed waste management practices to identify opportunities for improvements. Diverted bulk veg. oil waste from composting to biodiesel manufacture. Diverted sludge from composting to AD.	Individual	Improved Environmental Management Practices
Noise reduction	Identify and implement measures necessary to minimise noise from site operations.	50	Confirm the effectiveness of installed noise abatement equipment. Investigate the possibility of reducing noise from other equipment.	Section Head	Less complaints
Waste reduction/Raw material usage efficiency	Identify and implement measures necessary to reduce quantities of chemicals used on site.	40	Reduced chemical dosing for CIPs. Reduced caustic use in inter-batch. Carry out a trial using water-based lacquer for can manufacturing.	Section Head	Improved Environmental Management Practices

Noise Monitoring Report Summary

- | | |
|---|-----|
| 1 Was noise monitoring a licence requirement for the AER period?
If yes please fill in table 1 noise summary below | Yes |
| 2 Was noise monitoring carried out using the EPA Guidance note including completion of the "Checklist for noise measurement report" included in the guidance note as table 6?
Draft Noise Guidance | Yes |
| 3 Does your site have a noise reduction plan | Yes |
| 4 When was the noise reduction plan last updated? | |
| 5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey? | No |

Table 1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA _{eq}	LA ₉₀	LA ₁₀	LA _{max}	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is site compliant with noise limits (day/evening/night)?
22/05/2012	Daytime		NSL1	43	41	44	57	No	SELECT	Plant intermittently audible at low level. Trees rustling, birds singing, local traffic	Yes
22/05/2012	Daytime		NSL2	60	48	60	75	No		Traffic noise from N69, local traffic. Birds singing, trees rustling, plant not audible.	Yes
22/05/2012	Daytime		NSL3	57	46	61	73	No		Traffic noise from N69 and local traffic. Ventilation noise from nursing home. Dog barking. Birds singing, trees rustling. Plant not audible.	Yes
22/05/2012	Daytime		NSL4	58	47	58	80	No		Traffic noise from N69 and local traffic. Crows, other birds & trees rustling. Plant occasionally barely audible.	Yes
22/05/2012	Daytime		NSL5	51	41	51	74	No		Distant traffic N69. Local traffic. Trees rustling, birds singing. Steady very low level plant noise.	Yes
22/05/2012	Daytime		NSL6	49	40	52	64	No		Steady plant noise. Distant traffic noise. Birds singing, trees rustling. Local traffic.	Yes
22/05/2012	Daytime	BW		51	44	53	74	No		Steady low level plant noise. Distant traffic noise N69, local traffic. Trees rustling birds singing.	Yes
22/05/2012	Evening		NSL1	53	40	56	78	No		Local traffic. Steady low level plant noise in traffic lulls. Distant traffic. Birds.	Yes
22/05/2012	Evening		NSL2	57	39	57	79	No		Traffic N69, local traffic. Plant barely audible here.	Yes

22/05/2012	Evening		NSL3	53	36	57	71	No		N69 Traffic noise, local traffic. Music from local house. Car door closing. Plant not audible here.	Yes
22/05/2012	Evening		NSL4	50	39	53	69	No		Local and N69 traffic noise. Crows. Dogs barking. Steady low level plant noise, only audible in traffic lulls.	Yes
22/05/2012	Evening		NSL5	43	36	42	68	No		Distant and local traffic noise. Plant barely audible.	Yes
22/05/2012	Evening		NSL6	40	38	42	58	No		Distant traffic noise. Steady plant noise. Dogs barking.	Yes
22/05/2012	Evening	BW		47	42	48	68	No		Plant barely audible. Distant and local traffic noise.	Yes
23/05/2012	Nighttime		NSL1	42	39	43	51	No		Steady plant noise. Distant occasional traffic. Truck arrived to site.	Yes
23/05/2012	Nighttime		NSL2	59	37	61	83	No		Dog barking. Local traffic, truck by-pass. Steady low level plant noise audible only in traffic and dog barking lulls.	Yes
23/05/2012	Nighttime		NSL3	34	32	35	39	No		Plant not audible, distant traffic noise.	Yes
23/05/2012	Nighttime		NSL4	51	37	50	78	No		N69 and local traffic. Steady low level plant noise audible in traffic lulls.	Yes
23/05/2012	Nighttime		NSL5	38	32	41	56	No		Plant barely but steadily audible. Distant traffic noise.	Yes
23/05/2012	Nighttime		NSL6	40	38	41	59	No		Steady low level plant noise. Distant traffic. Startled pigeon.	Yes
23/05/2012	Nighttime	BW		54	44	50	80	No		Local traffic, two truck by-passes. Distant traffic. Steady plant noise in traffic lulls.	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

Additional information

- 1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below
- 2 Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI programme linked to the right? If yes please list them in additional information
- 3 Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information

On-going	
yes	LIEN
yes	

Energy Use	Previous year kWh	Current year kWh	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total				
Electricity	34258000	33535876	-8.6	+8
Fossil Fuels:				
Heavy Fuel Oil				
Light Fuel Oil				
Natural gas	211782261	206032177	-8.6	+6
Coal/Solid fuel				
Renewable energy generated on site				

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

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

Water use	Previous year m3/yr.	Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Groundwater				
Surface water	832564	800394	-8.6	+5
Public supply				
Total				

* 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

Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
12/01/2012	Heating coil improvements	Upgrade of Dryer 4 heating coils	Energy reduction objective	0.14	30/06/2012	Energy Reduction Team	15/08/2012	Complete
12/01/2012	Energy recovery	Heat recovery from evaporator 5 condensate stream to heat dryer	Energy reduction objective	3.26	30/06/2012	Energy Reduction Team	16/08/2012	Complete
21/02/2011	Reduce steam leakage	Safety valves & pressure reducing valve reset/replacement to reduce steam leakage.	Energy reduction objective	0.39	30/08/2012	Energy Reduction Team	30/12/2012	Complete
20/03/2011	Improve refrigeration COP	Upgrade of chilled water refrigeration plant	Energy reduction objective	0.72	30/11/2012	Energy Reduction Team	15/12/2012	Complete
			SELECT					

SECTION A-PRTR 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

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)

Additional Information

SELECT	
--------	--

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

SELECT	
--------	--

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

SELECT	
--------	--

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

Licensed annual tonnage limit for your site (total tonnes/annum)	EWC code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which 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 -
E.g.	07 05 04*	07- WASTES FROM ORGANIC CHEMICAL PROCESSES	other organic solvents, washing liquids and mother liquors	22	12	83%		0%	SELECT		Brought onto site from sister IPPC plant
E.g.	20 01 08	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	biodegradable kitchen and canteen waste	10	20	-50%		0%	SELECT		
		SELECT				#DIV/0!			SELECT		
		SELECT				#DIV/0!			SELECT		

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 onsite

SELECT	
--------	--

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

SELECT	
--------	--

6 Does your facility have relevant nuisance controls in place?

SELECT	
--------	--

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

SELECT	
--------	--

8 Do you maintain a sludge register on site?

SELECT	
--------	--

SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY

Table 2 Waste type and tonnage-landfill only

Waste types permitted for disposal	Authorised/licenced annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)	Remaining licensed capacity at end of reporting year (m3)	Comments
e.g. Household (residual)	30,000	22,000		
e.g. Industrial non hazardous solids	500	60	120,000	

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													

Table 4 Environmental monitoring-landfill onl [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

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	



Environmental Protection Agency

[Guidance to completing the PRTR workbook](#)

AER Returns Workbook

Version 1.1.15

12

Company Name	Pfizer Nutritionals Ireland Limited
PRTR Identification Number	P0395
Licence Number	P0395-03

Waste or IPPC Classes of Activity

No.	class_name
7.2.1	The treatment and processing of milk, the quantity of milk received being greater than 200 tonnes per day (average value on a yearly basis).
2.1	The operation of combustion installations with a rated thermal input equal to or greater than 50MW

Address 1	Askeaton
Address 2	County Limerick
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@pfizer.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	600
User Feedback/Comments	
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 ?	No
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_2012.xls | Return Year : 2012 |

25/03/2013 15:59

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	Site Emission Point 4	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
02	Carbon monoxide (CO)	C	OTH	Calculated from biannual monitoring of boilers (ISO 12039) and estimated from expected emissions from CHP Plant.	18393.0	318.0	25.0	0.0	18736.0	0.0	0.0
03	Carbon dioxide (CO2)	C	ETS		0.0	0.0	0.0	38373000.0	38373000.0	0.0	0.0
08	Nitrogen oxides (NOx/NO2)	M	ISO 10849:1996		37248.0	928.0	220.0	0.0	38396.0	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				QUANTITY		
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	A2-1 Emission Point 1	A2-3 Emission Point 2	A2-4 Emission Point 3	A2-6 Emission Point 4	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
210	Dust	M	ALT	EN 13284-1	1296.0	7255.0	10774.0	10100.0	29425.0	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_2012.xls | Return Year : 2012 |

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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 Releases from your facility

POLLUTANT		Method Used			QUANTITY				
No. Annex II	Name	M/C/E	Method Code	Designation or Description	SW-1 Emission Point 1	Emission Point 2	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
12	Total nitrogen	M	OTH	Colorimetric Hach Method 1007	1350.9	0.0	1350.9	0.0	0.0
13	Total phosphorus	M	OTH	Colorimetric Hach Method 8190	130.7	0.0	130.7	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 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)

POLLUTANT		Method Used			QUANTITY			
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
238	Ammonia (as N)	M	OTH	Colorimetric Hach Method 10031	857.2	857.2	0.0	0.0
303	BOD	M	OTH	5-day BOD Test	6091.8	6091.8	0.0	0.0
314	Fats, Oils and Greases	E	ESTIMATE		3059.8	3059.8	0.0	0.0
240	Suspended Solids	M	OTH	Standard Method	10277.3	10277.3	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_2012.xls | R

25/03/2013 15:59

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_2012.xls | Return Year : 2012 |

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SECTION A : PRTR POLLUTANTS

POLLUTANT		RELEASURES TO LAND			Please enter all quantities in this section in KGs		
POLLUTANT		METHOD			QUANTITY		
No. Annex II	Name	M/C/E	Method Code	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)

POLLUTANT		RELEASURES TO LAND			Please enter all quantities in this section in KGs		
POLLUTANT		METHOD			QUANTITY		
Pollutant No.	Name	M/C/E	Method Code	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: Pizer Nutritionals Ireland Limited | Filename: P0395_2012.xls | Return Year: 2012

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Please enter all quantities on this sheet in Tonnes

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Hazard Waste - Name and Licence/Permit No of Next Destination Facility Non Hazard Waste - Name and Licence/Permit No of Receiver/Disposer	Hazard Waste - Address of Next Destination Facility Non Hazard Waste - Address of Receiver/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/CE	Method Used					
To Other Countries	02 03 04	No	42.71	waste vegetable oil	R3	M	Weighed	Abroad	Bensons Products Ltd.,LN-53763	Oakfield Refinery MacDermott Road,Widnes,Cheshire,WA8 0PF,United Kingdom		
Within the Country	02 05 02	No	3073.47	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 99	No	114.8	waste liquid product	R3	M	Weighed	Offsite in Ireland	Waddock Composting,WFP-CW-11-05-01	Killamaster,Tullow,Co. Carlow.,Ireland		
Within the Country	13 02 08	Yes	5.5	other engine, gear and lubricating oils	R9	M	Volume Calculation	Offsite in Ireland	Enva Ireland Ltd.,WCP-DC-08-1116-01	Clonminam Ind. Est.,Portlaoise,Co. Laoise.,Ireland	Enva Ireland Ltd.,WCP-DC-08-1116-01 Clonminam Ind. Est.,Portlaoise,Co. Laoise.,Ireland	Clonminam Ind. Est.,Portlaoise,Co. Laoise.,Ireland
Within the Country	15 01 06	No	415.32	mixed packaging	R3	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeefe Towland,Dock Road,Limerick.,Ireland		
Within the Country	15 01 07	No	20.57	glass packaging	R5	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeefe Towland,Dock Road,Limerick.,Ireland		
To Other Countries	15 01 10	Yes	0.347	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	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Krombacher Strabe 42-46,57223,Kreutzal.,Germany
To Other Countries	15 02 02	Yes	0.492	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	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Krombacher Strabe 42-46,57223,Kreutzal.,Germany
To Other Countries	16 05 06	Yes	4.375	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17	R1	M	Weighed	Abroad	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Krombacher Strabe 42-46,57223,Kreutzal.,Germany
Within the Country	17 01 07	No	289.02	01 06	R10	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeefe Towland,Dock Road,Limerick.,Ireland		
Within the Country	20 01 01	No	14.73	paper	R3	M	Weighed	Offsite in Ireland	Management Group Ltd. v/a Shred-It,WFP-DC-09-0011-01	5 Parkwest Ind. Est.,Dublin Dublin 12,Ireland		
Within the Country	20 01 01	No	454.34	paper and cardboard	R3	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeefe Towland,Dock Road,Limerick.,Ireland		
Within the Country	20 01 21	Yes	0.435	fluorescent tubes and other mercury-containing waste	R5	M	Weighed	Offsite in Ireland	Irish Lamp Recycling Co. Ltd.,WFP-KE-08-0384-01	Woodstock Ind. Est.,Kilkenny Road,Athy Co. Kildare.,Ireland	Woodstock Ind. Est.,Kilkenny Road,Athy Co. Kildare.,Ireland	Woodstock Ind. Est.,Kilkenny Road,Athy Co. Kildare.,Ireland
Within the Country	20 01 33	Yes	0.456	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-08-0384-01	Woodstock Ind. Est.,Kilkenny Road,Athy Co. Kildare.,Ireland	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	1.405	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components	R4	M	Weighed	Offsite in Ireland	Irish Lamp Recycling Co. Ltd.,WFP-KE-08-0384-01	Woodstock Ind. Est.,Kilkenny Road,Athy Co. Kildare.,Ireland	Woodstock Ind. Est.,Kilkenny Road,Athy Co. Kildare.,Ireland	Woodstock Ind. Est.,Kilkenny Road,Athy Co. Kildare.,Ireland
Within the Country	20 01 38	No	15.06	wood other than that mentioned in 20 01 37	R3	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeefe Towland,Dock Road,Limerick.,Ireland		
Within the Country	20 01 39	No	27.2	plastics	R3	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeefe Towland,Dock Road,Limerick.,Ireland		
Within the Country	20 01 40	No	618.29	metals	R4	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeefe Towland,Dock Road,Limerick.,Ireland		
Within the Country	20 01 40	No	17.65	metals	R4	M	Weighed	Offsite in Ireland	Hegarty Metals Processors (Int.) Ltd.,WFP-LKC-11-001-01	Ballysimon Road.,Limerick.,Ireland		
Within the Country	20 02 01	No	0.513	Food waste	R3	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeefe Towland,Dock Road,Limerick.,Ireland		
Within the Country	20 03 01	No	10.97	Dry mixed recyclables	R3	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeefe Towland,Dock Road,Limerick.,Ireland		
Within the Country	20 03 01	No	503.69	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeefe Towland,Dock Road,Limerick.,Ireland		
Within the Country	20 03 01	No	414.13	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeefe Towland,Dock Road,Limerick.,Ireland		
Within the Country	06 02 04	Yes	0.585	sodium and potassium hydroxide	D9	M	Weighed	Offsite in Ireland	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland
To Other Countries	07 01 04	Yes	1.583	other organic solvents, washing liquids and mother liquors	R1	M	Weighed	Abroad	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Gecocyle,38/150/BP.S.A. Scorbel,rue de Courriere 42,7181 Senefle, Belgium
Within the Country	15 01 10	Yes	0.71	packaging containing residues of or contaminated by dangerous substances	D9	M	Weighed	Offsite in Ireland	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland
Within the Country	15 01 10	Yes	0.203	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	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland
Within the Country	15 01 10	Yes	0.416	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	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland
Within the Country	16 05 07	Yes	3.0	discarded inorganic chemicals consisting of or containing dangerous substances	D9	M	Weighed	Offsite in Ireland	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland
To Other Countries	16 05 07	Yes	0.22	discarded inorganic chemicals consisting of or containing dangerous substances	R1	M	Weighed	Abroad	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Krombacher Strabe 42-46,57223,Kreutzal.,Germany
To Other Countries	20 01 29	Yes	0.387	detergents containing dangerous substances	R1	M	Weighed	Abroad	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Krombacher Strabe 42-46,57223,Kreutzal.,Germany
Within the Country	02 03 04	No	332.78	materials unsuitable for consumption or processing	R3	M	Weighed	Offsite in Ireland	McDonnell Farms Biogas Ltd.,WFP/LK/2011/50/R2/T1	Dunmoylan,Shanagolden,Co. Limerick.,Ireland		
To Other Countries	16 03 06	No	0.112	organic wastes other than those mentioned in 16 03 05	R1	M	Weighed	Abroad	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland
To Other Countries	06 01 05	Yes	0.313	nitric acid and nitrous acid	R1	M	Weighed	Abroad	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Krombacher Strabe 42-46,57223,Kreutzal.,Germany
To Other Countries	06 02 05	Yes	0.027	other bases	R1	M	Weighed	Abroad	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Krombacher Strabe 42-46,57223,Kreutzal.,Germany
To Other Countries	16 03 03	Yes	0.625	inorganic wastes containing dangerous substances	R1	M	Weighed	Abroad	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Krombacher Strabe 42-46,57223,Kreutzal.,Germany
To Other Countries	16 03 05	Yes	1.151	organic wastes containing dangerous substances	R1	M	Weighed	Abroad	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Smithstown Ind. Est.,Shannon,Co. Clare.,Ireland	Krombacher Strabe 42-46,57223,Kreutzal.,Germany

* Select a row by double-clicking the Description of Waste then click the delete button

[Link to previous years waste data](#)
[Link to previous years waste summary data & percentage change](#)