Facility Information Summary	
Licence Register Number	P0395-02
Name of site	Pfizer Nutritionals Ireland Limited.
Site Location	Askeaton, Co. Limerick
NACE Code	1051
Class of Activity	7.2.1 and 2.1
RBME risk category	P-A3
National Grid Reference (6E, 6 N)	-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. 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 increased by 14% when compared with the production output for 2010. 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 2011 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
EHS Lead
(or nominated, suitably qualified and experienced deputy)

Date
29th March 2012

AER summary template-AIR emissions

			Additional information
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	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
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

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	31/03/2011	50	100 % of values < ELV	19.86	mg/Nm3	yes	EN 13284-1			
A2-1	volumetric flow	31/03/2011			24101	Nm3/hour					
A2-3	Dust	31/03/2011	50	100 % of values < ELV	30.54	mg/Nm3	yes	EN 13284-1			
A2-3	volumetric flow	31/03/2011			84834	Nm3/hour					
A2-4	Dust	17/02/2011	50	100 % of values < ELV	24.09	mg/Nm3	yes	EN 13284-1			
A2-4	volumetric flow	17/02/2011			87292						

A2-6	Dust	17/02/2011	50	100 % of values < ELV	16.61	mg/Nm3	yes	EN 13284-1			
A2-6	volumetric flow	17/02/2011			108442	Nm3/hour					
A2-1	Dust	29/06/2011	50	100 % of values < ELV	31.22	mg/Nm3	yes	EN 13284-1			
A2-1	volumetric flow	29/06/2011			30125	Nm3/hour					
A2-3	Dust	05/05/2011	50	100 % of values < ELV	8.52	mg/Nm3	yes	EN 13284-1			
A2-3	volumetric flow	05/05/2011			82385	Nm3/hour					
A2-4	Dust	29/04/2011	50	100 % of values < ELV	1.37	mg/Nm3	yes	EN 13284-1			
A2-4	volumetric flow	29/04/2011			89363	Nm3/hour					
A2-6	Dust	29/04/2011	50	100 % of values < ELV	10.38	mg/Nm3	yes	EN 13284-1			
A2-6	volumetric flow	29/04/2011			97721	Nm3/hour					
A1-1	Nitrogen oxides (NOx/NO2)	05/05/2011	300	100 % of values < ELV	151	mg/Nm3	yes	ISO 10849:1996			
A1-1	volumetric flow	05/05/2011			26401	Nm3/hour					Design data
A1-2	Nitrogen oxides (NOx/NO2)	29/06/2011	200	100 % of values < ELV	45	mg/Nm3	yes	ISO 10849:1996			
A1-2	Carbon monoxide (CO)	29/06/2011	100	100 % of values < ELV	41	mg/Nm3	yes	ISO 12039:2001			
A1-2		29/06/2011			8547	Nm3/hour					
A1-4	Nitrogen oxides (NOx/NO2)	29/06/2011	200	100 % of values < ELV	92	mg/Nm3	yes	ISO 10849:1996			
A1-4	Carbon monoxide (CO)	29/06/2011	100	100 % of values < ELV	<5	mg/Nm3	yes	ISO 12039:2001			
A1-4	volumetric flow	29/06/2011			3575	Nm3/hour					
A2-1	Dust	26/08/2011	50	100 % of values < ELV	16.19	mg/Nm3	yes	EN 13284-1			
A2-1	volumetric flow	26/08/2011			28082	Nm3/hour					

A2-3	Dust	26/08/2011	50	100 % of values < ELV	30.28	mg/Nm3	yes	EN 13284-1			
A2-3	volumetric flow	26/08/2011			81984	Nm3/hour					
A2-4	Dust	05/09/2011	50	100 % of values < ELV	10.89	mg/Nm3	yes	EN 13284-1			
A2-4	volumetric flow	05/09/2011			95750	Nm3/hour					
A2-6	Dust	05/09/2011	50	100 % of values < ELV	17.19	mg/Nm3	yes	EN 13284-1			
A2-6	volumetric flow	05/09/2011			95021	Nm3/hour					
A2-1	Dust	20/12/2011	50	100 % of values < ELV	16.69	mg/Nm3	yes	EN 13284-1			
A2-1	volumetric flow	20/12/2011			31121	Nm3/hour					
A2-3	Dust	04/11/2011	50	100 % of values < ELV	30.4	mg/Nm3	yes	EN 13284-1			
A2-3	volumetric flow	04/11/2011			77314	Nm3/hour					
A2-4	Dust	12/10/2011	50	100 % of values < ELV	8.96	mg/Nm3	yes	EN 13284-1			
A2-4	volumetric flow	12/10/2011			98456	Nm3/hour					
A2-6	Dust	12/10/2011	50	100 % of values < ELV	7.41	mg/Nm3	yes	EN 13284-1			
A2-6	volumetric flow	12/10/2011			96287	Nm3/hour					
A1-1	Nitrogen oxides (NOx/NO2)	05/10/2011	300	100 % of values < ELV	161	mg/Nm3	yes	ISO 10849:1996			
A1-1		05/10/2011			26410	Nm3/hour					Design data
A1-2	Nitrogen oxides (NOx/NO2)	05/10/2011	200	100 % of values < ELV	33	mg/Nm3	yes	ISO 10849:1996			
A1-2	Carbon monoxide (CO)	05/10/2011	100	100 % of values < ELV	14	mg/Nm3	yes	ISO 12039:2001			
A1-2	volumetric flow	05/10/2011			7125	Nm3/hour					
A1-4	Nitrogen oxides (NOx/NO2)	05/10/2011	200	100 % of values < ELV	97	mg/Nm3	yes	ISO 10849:1996			

A1-4	Carbon monoxide (CO)	05/10/2011	100	100 % of values < ELV	16	mg/Nm3	yes	ISO 12039:2001			
A1-4	volumetric flow	05/10/2011			4121	Nm3/hour					
	Dust								20773	-31	
	Nitrogen oxides (NOx/NO2)								35437	-9	
	Carbon monoxide (CO)								18840	+3	Not required to monitor CO emissions from

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

Continuous Monitoring

4	Does your site carry out continuous air emissions monitoring?	SELECT	
	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)		
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 therof	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	

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

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** licenced emissions you only need to complete table 1 and /table 2 below for ambient monitoring and visual inspections	Yes	
2	Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table 2 below summarising only any evidence of contamination noted during visual inspections	Yes	

Table 1 Ambient monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licenced Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
	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)

				Additional information
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	Methods of analysis are all standard methods, however, validition may be required.

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 therof[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	discrete	06/09/2011	SELECT	5	All results < 1.2 x	<2.2	TU	yes	Toxicity 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	

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	
7	Do you have a proactive service contract for each piece of continuous monitoring equipment on site?	No	
8	Did abatement system bypass occur during the reporting year? **If yes please complete table 5 below**	No	

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	9988	+22	0	99	One exceedence in 24-hour composite sample from 28/02 to 01/03.
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	11794	-8	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	2808	-30	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	165	-9	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	3163	-55	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	1120	-6	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
1	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 containment structures on site	Yes	
2	Please provide integrity testing frequency period	3 years	
3	Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)	Yes	

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)
	SELECT					SELECT			SELECT	SELECT		SELECT		
	SELECT					SELECT			SELECT	SELECT		SELECT		

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

			Commentary
4	Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance?	bunding and storage guidelines	Yes	EPA Guidance only.
5	Are channels/transfer systems to remote containment systems tested?		Yes	
6	Are channels/transfer systems compliant in both integrity and available volume?		Yes	
7	Do all sumps and chambers have high level liquid alarms?		Yes	
8	If yes to Q7 are these failsafe systems included in a maintenance and testing programme?		Yes	

Pipeline/underground structure testing

1	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	Yes	
2	Please provide integrity testing frequency period	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)
MH 37	Storm	concrete	No	SELECT	Combination	Yes	Fail	Benching and channel joint fail	Schedule for repair	2012	SELECT
MH 28	Foul	concrete	No		Combination	Yes	Fail	Benching and channel joint fail	Schedule for repair and re-test	2012	
MH F22	Foul	concrete	No		Combination	Yes	Fail	Benching and channel joint fail	Schedule for repair and re-test	2012	
MH F23	Foul	concrete	No		Combination	Yes	Fail	Benching and channel joint fail	Schedule for repair and re-test	2012	
MH F15	Foul	concrete	No		Combination	Yes	Fail	Failed on EW joints	Schedule for repair and re-test	2012	
MH F213	Foul	concrete	No		Combination	Yes	Fail	s/s pipe causing wear in manhole	Schedule for repair and re-test	2012	
MH F14	Foul	concrete	No		Combination	Yes	Fail	Failed on EW joints	Schedule for repair and re-test	2012	
MH F13	Foul	concrete	No		Combination	Yes	Fail	Concrete needs repairs	Schedule for repair and re-test	2012	
MH F27	Foul	concrete	No		Combination	Yes	Fail	Benching and channel joint fail	Schedule for repair and re-test	2012	
F37-F38	Storm	pvc	No		Combination	Yes	Fail	Joint fail	Schedule for repair and re-test	2012	
F1-F2	Foul	ceramic	No		Combination	Yes	Fail	EW failure	Schedule for repair and re-test	2012	
F23-F16	Foul	ceramic	No		Combination	Yes	Fail	EW failure	Schedule for repair and re-test	2012	
F15-F16	Foul	ceramic	No		Combination	Yes	Fail	EW failure	Schedule for repair and re-test	2012	

F16-F17	Foul	ceramic	No		Combination	Yes	Fail	EW failure	Schedule for repair and re-test	2012	
F27-F28	Foul	ceramic	No		Combination	Yes	Fail	EW failure	Schedule for repair and re-test	2012	

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

		Yes	No	N/A						
	a)invest in capital improveme	b) operational improvements	c)nothing	1	2	3	4	5	7	8
reinforced concrete	general purpose concrete	prefabricated	other (please specify)							
Pass	Fail									
Storm	Foul	Process								
steel	ceramic	concrete	pvc	polypropylene	other(please specify)	Mix (please specify)				
Double walled piping	Pipe in channel	Other (please specify)								
CCTV	Hydraulic	Air	Combination							
Replaced section	Relined	Repaired crack	Removed obstruction	Other (please describe)						
3 years	Other (please specify)									
Hydraulic test	Structural assessment	Other (please specify)								

Complaints

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

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
14/01/2011	Noise		Vibrating noise from site operations.	Fit noise abatement to fan	Complete	Feb-11	
25/01/2011	Noise		Loud noise from the plant.	Fit noise abatement to fan	Complete	Feb-11	
13/05/2011	Noise		Loud noise from the plant.	Survey site to try and identify any noise issue.	Complete	13/05/2011	
15/08/2011	Noise		Banging noise.	Repairs carried out to steam pressure relief valve for process 3.	Complete	15/08/2011	
20/08/2011	Noise		Noise	Emergency steam venting from boiler 3 due to gasket leak.	Complete	20/08/2011	
30/08/2011	Noise		Noise over previous two weeks.	Organise a meeting to identify and resolve problem.	Complete	Dec-11	

Total complaints open at start of reporting year	0
Total new complaints received during reporting year	6
Total complaints closed during reporting year	6
Balance of complaints end of reporting year	0

Incidents

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

*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	Liklihood of reoccurence

28/02/2011	Breach of ELV	Licenced discharge point (SW1)	1. Minor	Water	Adverse weather		Normal activities	Other (EPA, Inland	New	Made adjustments to the operating parameters of the wastewater treatment plant.	(1)Examine if a cold operation strategy could be developed. (2) Review controls to inhibit discharging during manual operation when parameters are detected outside acceptible limits.	Ongoing	Mar-12	Low
24/06/2011	Spillage	Other location (east side of site)	1. Minor	Water	Other (operator er	Failure to correctly place IBC on forklift during transport.	Normal activities	Other (EPA, Inland	New	IBC was immediately placed upright and spilled material was diluted using a hose.	Interviewed forklift driver and advised them of the error.	Complete	Aug-11	Low
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT

Total number of incidents current year	2
Total number of incidents previous year	0
% reduction/ increase	200

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	Contamination of groundwater is
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*	SW EQS	% change in average concentration previous year +/-	Upward trend in pollutant concentration over last 5 years of monitoring data
23/08/2011	BH201	pH	pH probe	biannual	8.04	7.82	pH units	N/A	N/A	0	no
23/08/2011	BH201	COD	Colourimetric	biannual	<7	<7	mg/l	N/A	N/A	0	no
10/03/2011	BH201	Calcium	ICP-OES	biannual	61.3	61.1	mg/l	N/A	N/A	-16.8	no
23/08/2011	BH201	Iron (dissolved)	ICP-OES	biannual	0.121	0.082	mg/l	N/A	N/A	-25.4	no
23/08/2011	BH201	Magnesium	ICP-OES	biannual	8	7.55	mg/l	N/A	N/A	-5.6	no
10/03/2011	BH201	Manganese (dissolved)	ICP-OES	biannual	0.192	0.099	mg/l	N/A	N/A	+395	no
10/03/2011	BH201	Potassium	ICP-OES	biannual	5.3	4.65	mg/l	N/A	N/A	+3.3	no
10/03/2011	BH201	Sodium	ICP-OES	biannual	67.2	48.6	mg/l	150	N/A	+80	no
23/08/2011	BH201	Total Alkalinity (CaCO3)	Metrohm	biannual	220	193	mg/l	N/A	N/A	-83.3	no
23/08/2011	BH201	Chloride	Aquakem	biannual	33	32.1	mg/l	187.5	N/A	-37	no
23/08/2011	BH201	Nitrate (as NO3)	Aquakem	biannual	4.9	3.35	mg/l	37.5	N/A	-56.9	no
23/08/2011	BH201	Nitrite (as NO2)	Aquakem	biannual	<0.02	<0.02	mg/l	0.375	N/A	0	no
23/08/2011	BH201	Orthophosphate	Aquakem	biannual	0.1	0.1	mg/l	0.04	0.035	0	yes
23/08/2011	BH201	Sulphate as SO4	Aquakem	biannual	24	20.38	mg/l	187.5	N/A	-13.2	yes
23/08/2011	BH201	Fluoride	Dionex	biannual	<0.3	<0.3	mg/l	N/A	N/A	-100	no
23/08/2011	BH201	BOD	Standard Method	biannual	<4	<4	mg/l	N/A	4	0	no

10/03/2011	BH201	Total Coliforms	mpn/100 ml	biannual	3	2	mpn/100 ml	N/A	N/A	+200	no
10/03/2011	BH201	E. Coliforms	mpn/100 ml	biannual	<1	<1	mpn/100 ml	N/A	N/A	0	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*	SW EQS	% change in average concentration previous year +/-	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
23/08/2011	BH203	pH	pH probe	biannual	7.68	7.39	pH units	N/A	N/A	-6	no
23/08/2011	BH203	COD	Colourimetric	biannual	9	8	mg/l	N/A	N/A	-62	no
10/03/2011	BH203	Calcium	ICP-OES	biannual	126.6	116.8	mg/l	N/A	N/A	-54	yes
10/03/2011	BH203	Iron (dissolved)	ICP-OES	biannual	3.533	3.35	mg/l	N/A	N/A	+1425	yes
23/08/2011	BH203	Magnesium	ICP-OES	biannual	12	11.85	mg/l	N/A	N/A	-15	no
10/03/2011	BH203	Manganese (dissolved)	ICP-OES	biannual	1.491	1.382	mg/l	N/A	N/A	-34	no
23/08/2011	BH203	Potassium	ICP-OES	biannual	17	16.4	mg/l	N/A	N/A	+17	yes
10/03/2011	BH203	Sodium	ICP-OES	biannual	93.6	93.3	mg/l	150	N/A	+17	no
10/03/2011	BH203	Total Alkalinity (CaCO3)	Metrohm	biannual	356	347	mg/l	N/A	N/A	-48	no
10/03/2011	BH203	Chloride	Aquakem	biannual	148.9	146.45	mg/l	187.5	N/A	-15	yes
10/03/2011	BH203	Nitrate (as NO3)	Aquakem	biannual	0.8	0.7	mg/l	37.5	N/A	-46	no
23/08/2011	BH203	Nitrite (as NO2)	Aquakem	biannual	0.6	0.09	mg/l	0.375	N/A	-50	no
23/08/2011	BH203	Orthophosphate	Aquakem	biannual	0.6	0.63	mg/l	0.04	0.035	77	no
10/03/2011	BH203	Sulphate as SO4	Aquakem	biannual	29.94	29.47	mg/l	187.5	N/A	+55	no
23/08/2011	BH203	Fluoride	Dionex	biannual	<0.03	<0.03	mg/l	N/A	N/A	-80	no
10/03/2011	BH203	BOD	Standard Method	biannual	3	2.5	mg/l	N/A	4	+100	no
10/03/2011	BH203	Total Coliforms	mpn/100 ml	biannual	18	9.5	mpn/100 ml	N/A	N/A	-98	no
10/03/2011	BH203	E. Coliforms	mpn/100 ml	biannual	1	1	mpn/100 ml	N/A	N/A	+100	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)

Surface water EQS | Groundwater regulations GTV's | Drinking water (private supply) standards | Drinking water (public supply) standards | Interim Guideline Values (IGV)

Table 3: Soil results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit
							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 ore 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	23rd March 2011	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-12	

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							
				Mitigation measures to reduce risk			ELRA		
Risk ID	Potential hazards	Environmental effect	Previous risk score	Action	Date of implementation of mitigation measures	Comment	Revised Risk score for current reporting year	ELRA costing	Does the current financial provision (FP) cover the risk score?
e.g Pipeline failure	Process effluent and domestic effluent drainage - failure of underground and overground pipelines or	Potential pollution of soil and groundwater or river (depending on	15	Infrastructural improvements	2011	Testing, inspection and remediation of underground	9	€100,000	Yes
Process Plant failure	Operation of wastewater tretament plant - wastewater treatment plant overloading and so failure of biological treatment	Release of partially treated wastewater to the river and threat of pollution.	4	Nothing		Low risk score.	4	€10,000	Yes
By-product use	All processes - contamination of by-products sold as animal feed.	Health effects on animals or humans	4	Nothing		Low risk score.	4	€50,000	Yes
Fire	All processes - loss of containment of contaminated firewater.	Potential pollution of river and/or groundwater.	4	Nothing		Low risk score.	4	€50,000	Yes
Process plant failure	Overfilling of process storage tanks.	Release of potentially polluting substances to river or soil.	3	Nothing		Low risk score.	3	€25,000	Yes
Containment failure	Failure of overground secondary containment.	Potential pollution of soil and groundwater or river (depending on nature of failure).	3	Nothing		Low risk score.	3	€25,000	Yes
Chemical storage	Accidental spillage of drummed solvents and lacquer in the waste storage compound.	Potential pollution of soil and groundwater immediate to storage areas.	3	Nothing		Low risk score.	3	€25,000	Yes
Traffic incident and spill	Accidental spillage of hazardous chemicals in yard areas during transport.	Pollution of river through migration of pollutants through the surface water drainage system.	3	Nothing		Low risk score.	3	€25,000	Yes
Fuel storage	Release of gas oil to ground or surface water.	Pollution of soil and groundwater.	3	Nothing		Low risk score.	3	€25,000	Yes
Process Plant failure	Wastewater treatment plant overflow.	Pollution of river and potential impact on groundwater.	3	Nothing		Low risk score.	3	€25,000	Yes
SELECT			SELECT	SELECT			SELECT		SELECT
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
29/06/2011	3	Yes	No	Yes	No	No	Yes	€2,099,738.00

	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	System 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 waterwater treatment plant performance and confirm the quality standard of monitoring data.	30	Reviewed available instrumentation to monitor the influent and to alert when there are abrupt changes in the influent characteristics. Closed out recommentdations from the laboratory audit report. Researched the issue of low temperature ambient condition affects on the wastewater treatment plant operation with a view to developing a cold operation strategy for the plant.	Individual	Increased compliance with licence conditions
Energy Efficiency/Utility conservation	Reduce water volume use by 2% compared with water volume used during 2010.	70	Reviewed CIP processes and identified opportunities for water use reduction. Implement water use reduction measures that were identified.	Section Head	Increased compliance with licence conditions

Energy Efficiency/Utility conservation	Reduce CO2 emissions by 5% compared with 2010 CO2 emissions.	50	Identified energy conservation opportunities and the implementated projects to reduce energy consumption.	Section Head	Reduced emissions
Waste reduction/Raw material usage efficiency	Reduce net waste generated by 2% compared with net waste generated during 2010	60	Reviewed all waste generated to identify opportunities for waste reduction. Reviewed waste disposal routes to identify opportunities to divert waste from landfill and improved recycling methods.	Individual	Reduced emissions
Noise reduction	Identify and implement measures necessary to minimise noise from site operations.	90	Effectiveness of recently installed noise abatement equipment on an exhaust fan was confirmed. Carried out monitoring to determine if abatement is required elsewhere on site and fitted the abatement to a second exhaust fan. Confirmed effectivenedd by detailed monitoring and analysis.	Section Head	Less complaints

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? (Noise Guidance note)	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?	Yes

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)?
10/05/2011	Daytime		NSL1	59	42	57		No	SELECT	Low level plant noise, birds, occasional traffic	Yes
10/05/2011	Daytime		NSL2	58	48	61		No		Rustling leaves, traffic, plant barely audible	Yes
10/05/2011	Daytime		NSL3	63	44	63		No		Traffic plant not audible	Yes
10/05/2011	Daytime		NSL4	67	54	67		No		Leaves rustling, traffic, birds, plant not audible.	Yes
10/05/2011	Daytime		NSL5	52	44	54		No		Low level plant noise, distant traffic, aircraft, birds	Yes
10/05/2011	Daytime		NSL6	50	44	52		No		Low level plant noise, wind noise, birds	Yes
10/05/2011	Daytime	Boundary west		56	47	57		No		Plant noise, distant traffic, rustling leaves	Yes
10/05/2011	Nighttime		NSL1	46	39	44		No		Low level plant noise, occassional local traffic	Yes
10/05/2011	Nighttime		NSL2	53	36	55		No		Traffic, dogs, plant barely audible	Yes
10/05/2011	Nighttime		NSL3	54	34	47		No		Distant traffic, plant barely audible	Yes
10/05/2011	Nighttime		NSL4	54	42	55		No		Low level plant noise, distant and local traffic, leaves rustling	Yes
10/05/2011	Nighttime		NSL5	49	40	46		No		Low level plant noise, occassional local traffic	Yes
10/05/2011	Nighttime		NSL6	42	40	44		No		Low level plant noise, leaves rustling, occassional dog bark	Yes
10/05/2011	Nighttime	Boundary west		52	43	49		No		Plant noise, occasional traffic	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	ongoing	Projects completed in 2011 are listed
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	yes	
3	Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information	yes	

SEAI - Large Industry Energy Network (LIEN)

Table 1 Energy usage on site

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total				
Electricity (kWh)	41749140	41153666	-1	-13
Fossil Fuels:				
Heavy Fuel Oil				
Light Fuel Oil				
Gas Oil (Tonnes)	23.81	30.55	+28	+12
LPG (Tonnes)	28.84	30.23	+4	-8
Natural gas (kWh GCV)	206391447	211782261	+2	-10
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

Table 2 Water usage on site

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	930239	832564	-10	-21
Public supply				
Total	930239	832564	-10	-21

* 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 3: 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
21/02/2011	Insulation upgrade	Improve insulation on pipework	Energy reduction objective	0.46	21/02/2011	Energy Reduction Team	30/10/2011	Complete
21/02/2011	Upgrade of water pumps	Replace pumps with energy efficient motors and automated speed control	Energy reduction objective	0.1	21/02/2011	Energy Reduction Team	29/02/2012	Complete
21/02/2011	Upgrade of RTF warehou	Replace old lighting with new energy efficient lighting	Energy reduction objective	0.02	21/02/2011	Energy Reduction Team	30/08/2011	Complete
22/06/2011	Operate SBR 2 in stand-b	Reduce operation of SBR 2 at WWTP to stand-by mode	Energy reduction objective	0.47	01/05/2011	Energy Reduction Team	22/06/2011	Complete
21/02/2011	Steam use reduction	Steam trap survey	Energy reduction objective	2	21/02/2011	Energy Reduction Team	30/10/2011	Complete
16/02/2011	Energy recovery	RTF condensate recovery project	Energy reduction objective	0.28	16/02/2011	Energy Reduction Team	15/11/2011	Complete
16/02/2011	Energy recovery	Warehouse and Office condensate recovery project	Energy reduction objective	0.92	16/02/2011	Energy Reduction Team	16/11/2011	Complete
21/06/2011	Energy conservation	HTST operating temperature reduction	Energy reduction objective	0.13	21/06/2011	Energy Reduction Team	30/09/2011	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

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

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

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

Table 5 Capping-Landfill only

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

*please note this includes daily cover area

Table 6 Leachate-Landfill only

9	Is leachate from your site treated in a Waste Water Treatment Plant?	SELECT
10	Is leachate released to surface water? If yes please complete leachate mass load information below	SELECT

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

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

Table 7 Landfill Gas-Landfill only

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

Environmental Protection Agency

uidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1.13

	)11
	ifizer Nutritionals Ireland Limited
Facility Name	Pfizer Nutritionals Ireland Limited
PRTR Identification Number	P0395
Licence Number	P0395-02

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	EHS 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	0
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 ?	

4.1 RELEASES TO AIR

Link to previous years emissions data

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR					Please enter all quantities in this section in KGs						
POLLUTANT		METHOD							QUANTITY		
			Method Used		A1-1	A1-2	A1-4	Site			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	Emission Point 2	Emission Point 3	Emission Point 4	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
02	Carbon monoxide (CO)	C	OTH	Calculated from biannual measurements on boilers (ISO 12039) and estimated from expected emissions on CHP Plant.	18210.0	596.0	34.0	0.0	18840.0	0.0	0.0
03	Carbon dioxide (CO2)	C	ETS		0.0	0.0	0.0	39253000.0	39253000.0	0.0	0.0
08	Nitrogen oxides (NOx/NO2)	M	ISO 10849:1996		34324.0	821.0	293.0	0.0	35438.0	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 AIR					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
			Method Used					
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 AIR					Please enter all quantities in this section in KGs						
POLLUTANT		METHOD							QUANTITY		
			Method Used		A2-1	A2-3	A2-4	A2-6			
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	Emission Point 2	Emission Point 3	Emission Point 4	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
210	**Dust**	M	ALT	EN 13284-1	1213.0	7050.0	5939.0	6571.0	20773.0	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: Pfizer Nutritionals Ireland Limited

Please enter summary data on the quantities of methane flared and / or utilised	**T (Total) kg/Year**	**M/C/E**	**Method Used**		**Facility Total Capacity m3 per hour**	
			Method Code	**Designation or Description**		
Total estimated methane generation (as per site model)	0.0				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

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

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT						QUANTITY		
			Method Used		SW1			
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
12	Total nitrogen	M	OTH	Colorimetric Hach Method 1007	2808.0	2808.0	0.0	0.0
13	Total phosphorus	M	OTH	Colorimetric Hach Method 8190	165.0	165.0	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						QUANTITY		
			Method Used					
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						QUANTITY		
			Method Used		SW1			
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	1120.0	1120.0	0.0	0.0
303	BOD	M	OTH	5-day BOD Test	9988.0	9988.0	0.0	0.0
314	Fats, Oils and Greases	E	ESTIMATE		3163.0	3163.0	0.0	0.0
240	**Suspended Solids**	M	OTH	Standard Method	11794.0	11794.0	0.0	0.0

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

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used: M/C/E	Method Used: Method Used	Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	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)
Within the Country	20 01 01	No	17.84	paper	R3	M	Weighed	Offsite in Ireland	National Document Management Group Ltd. t/a Shred-It,WFP-DC-09-0011-01	5 Parkwest Ind. Est.,-,Dublin,Dublin 12,Ireland		
Within the Country	20 01 01	No	425.62	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 39	No	68.26	plastics	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	652.14	metals	R4	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeeffe Townland,Dock Road,Limerick,-,Ireland		
Within the Country	15 01 07	No	16.72	glass packaging	R5	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeeffe Townland,Dock Road,Limerick,-,Ireland		
Within the Country	02 05 02	No	2432.08	sludges from on-site effluent treatment	R3	M	Weighed	Offsite in Ireland	Molaisin Compost Ltd.,W0245-01	Kilmolash,Cappoquin,Co. Waterford,-,Ireland		
Within the Country	20 01 40	No	48.16	metals	R4	M	Weighed	Offsite in Ireland	Hegarty Metals Processors (Intl.) Ltd.,WFP-LKC-11-001-01	Ballysimon Road,-,Limerick,-,Ireland		
Within the Country	02 05 99	No	148.86	waste liquid product	R3	M	Weighed	Offsite in Ireland	Waddock Composting,WFP-CW-11-05-01	Killamaster,Tullow,Co. Carlow,,,Ireland		
Within the Country	02 03 04	No	31.92	waste vegetable oil	R3	M	Weighed	Offsite in Ireland	McGill Environmental Syatems (Ireland) Ltd.,180-1	Coom,Carrignavar/Glenville, Co. Cork,-,Ireland		
Within the Country	02 03 04	No	22.3	waste vegetable oil	R1	M	Weighed	Offsite in Ireland	Mitchell Taylor Exports Ltd.,WP 98119	Newmarket,-,Dublin,Dublin 8,Ireland		
To Other Countries	02 03 04	No	19.675	waste vegetable oil	R1	M	Weighed	Abroad	Bensons Products Ltd.,LN-53763	Oakfield Refinery MacDermott Road,Widnes,Cheshire,WA8 0PF,United Kingdom		
Within the Country	17 01 07	No	284.72	mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	R10	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeeffe Townland,Dock Road,Limerick,-,Ireland		
Within the Country	20 01 38	No	31.98	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	20 02 01	No	1.75	Food waste	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	8.3	Dry mixed recyclables	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	568.91	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeeffe Townland,Dock Road,Limerick,-,Ireland		
Within the Country	15 01 06	No	68.48	mixed 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	520.48	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Greenstar Env. Services Ltd.,W0082-2	Ballykeeffe Townland,Dock Road,Limerick,-,Ireland		
Within the Country	13 02 08	Yes	6.6	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	20 01 21	Yes	0.317	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	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
Within the Country	20 01 35	Yes	1.82	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-08-0384-01	Woodstock Ind. Est.,Kilkenny Road,Athy Co. Kildare,,,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
Within the Country	20 01 33	Yes	0.114	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	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
To Other Countries	17 06 05	Yes	0.76	construction materials containing asbestos (18)	D1	M	Weighed	Abroad	Rilta Environmental Ltd.,192-3	Greenogue Business Park,Rathcoole,Co. Dublin,,,Ireland	Grobenasper Entsorgungsgesellschaft mbH & Co. KG,EG0108,Bimohler Str. 57a,DE 24623,Grobenasp,,,Germany	Bimohler Str. 57a,DE 24623,Grobenasp,,,Germany
Within the Country	15 01 02	No	0.183	plastic packaging	D9	M	Weighed	Offsite in Ireland	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare,,,Ireland		
To Other Countries	16 05 09	No	2.8	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	R1	M	Weighed	Abroad	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare,,,Ireland		
Within the Country	06 02 04	Yes	0.1	sodium and potassium hydroxide	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	07 01 04	Yes	1.081	other organic solvents, washing liquids and mother liquors	R2	M	Weighed	Abroad	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare,,,Ireland	Geocycle,38/152/BP,S.A. Scoribel,rue de Courriere 42,7181 Seneffe,,,Belgium	S.A. Scoribel,rue de Courriere 42,7181 Seneffe,,,Belgium
To Other Countries	08 01 11	Yes	0.03	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	Lindenschmidt KG Umweltservice,04 714 98089,Krombacher Strabe 42-46,57223,Kreutzal,,,Germany	Krombacher Strabe 42-46,57223,Kreutzal,,,Germany
To Other Countries	13 02 08	Yes	0.076	other engine, gear and lubricating oils	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
To Other Countries	14 06 03	Yes	0.967	other solvents and solvent mixtures	R2	M	Weighed	Abroad	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare,,,Ireland	Geocycle,38/152/BP,S.A. Scoribel,rue de Courriere 42,7181 Seneffe,,,Belgium	S.A. Scoribel,rue de Courriere 42,7181 Seneffe,,,Belgium
To Other Countries	15 01 10	Yes	0.524	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	Lindenschmidt KG Umweltservice,04 714 98089,Krombacher Strabe 42-46,57223,Kreutzal,,,Germany	Krombacher Strabe 42-46,57223,Kreutzal,,,Germany
Within the Country	15 01 10	Yes	1.055	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	Enva Ireland Ltd.,W0041-01,Smithstown Ind. Est.,Shannon,Co. Clare,,,Ireland	Smithstown Ind. Est.,Shannon,Co. Clare,,,Ireland
Within the Country	15 02 02	Yes	0.05	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	R1	M	Weighed	Offsite in Ireland	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare,,,Ireland	Enva Ireland Ltd.,WCP-DC-08-1116-01,Clonminam Ind. Est.,Portlaoise,Co. Laoise,-,Ireland	Clonminam Ind. Est.,Portlaoise,Co. Laoise,-,Ireland
To Other Countries	15 02 02	Yes	0.606	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	0.04	gases in pressure containers (including halons) containing 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	16 05 06	Yes	0.308	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	D10	M	Weighed	Abroad	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare,,,Ireland	AGR mbH,300/050506,Im Emscherbruch,45699,Herten,,,Germany	Im Emscherbruch,45699,Herten,,,Germany
Within the Country	16 05 06	Yes	0.009	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	R2	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	16 05 06	Yes	2.771	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
To Other Countries	20 01 26	Yes	0.035	oil and fat other than those mentioned in 20 01 25	D10	M	Weighed	Abroad	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare,,,Ireland	AGR mbH,300/050506,Im Emscherbruch,45699,Herten,,,Germany	Im Emscherbruch,45699,Herten,,,Germany
To Other Countries	20 01 26	Yes	0.13	oil and fat other than those mentioned in 20 01 25	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

To Other Countries	**16 05 08**	**Yes**	0.006	discarded organic chemicals consisting of or containing dangerous substances	D10	M	Weighed	Abroad	Enva Ireland Ltd.,W0041-01	Smithstown Ind. Est.,Shannon,Co. Clare,,,Ireland	AGR mbH,300/050506,Im Emscherbruch,45699,Herten ,,,Germany	Im Emscherbruch,45699,Herten ,,Germany
To Other Countries	16 05 08	Yes	0.929	discarded organic chemicals consisting of or 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
To Other Countries	20 01 27	Yes	3.26	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

* 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