

Facility Information Summary


AER Reporting Year	2015
Licence Register Number	W0253
Name of site	Clean (Irl) Refuse & Recycling Company Limited
Site Location	Ballinagun West, Cree, County Clare
NACE Code	
Class/Classes of Activity	
National Grid Reference (6E, 6 N)	R033663 R0335166382

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

t of 25, Suspended solids were over the limit in Qtr2 and Qtr 3 as well with levels of 27 and 130. BOD was over th

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.

	26/02/2015
Signature Group/Facility manager (or nominated, suitably qualified and experienced deputy)	Date

AIR-summary template

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Answer all questions and complete all tables where relevant

Additional information

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

SELECT	
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Periodic/Non-Continuous Monitoring

- 2 Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of Table A1 below

SELECT	No
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- 3 Was all monitoring carried out in accordance with EPA guidance [Basic air monitoring](#) note AG2 and using the basic air monitoring checklist? [AGN2](#)

SELECT	No
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Table A1: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision thereof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments -reason for change in % mass load from previous year if applicable
D-1	LICENCED	Quarterly	350	Monthly average < ELV	605.75	mg/m2/day	no (if no please enter details in comments box)	BS1747	N/A	High level of insects present in all jars
D-2	LICENCED	Quarterly	350	Monthly average < ELV	711	mg/m2/day	no (if no please enter details in comments box)	BS1747	N/A	Twig present, decaying residue, some dust/grit.
D-3	LICENCED	Quarterly	350	Monthly average < ELV	408	mg/m2/day	no (if no please enter details in comments box)	BS1747	N/A	Contaminated with leafs and twigs
D-4	LICENCED	Quarterly	350	Monthly average < ELV	154.5	mg/m2/day	yes	BS1747	N/A	
D-5	LICENCED	Quarterly	350	Monthly average < ELV	459.5	mg/m2/day	no (if no please enter details in comments box)	BS1747	N/A	Bird Faeces, Small dust particles, Small leaf particles.

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

<p>4 Does your site carry out continuous air emissions monitoring? If yes please review your continuous monitoring data and report the required fields below in Table A2 and compare it to its relevant Emission Limit Value (ELV)</p>	SELECT	No
<p>5 Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below</p>	SELECT	N/A
<p>6 Do you have a proactive service agreement for each piece of continuous monitoring equipment?</p>	SELECT	N/A
<p>7 Did your site experience any abatement system bypasses? If yes please detail them in table A3 below</p>	SELECT	N/A

Table A2: Summary of average emissions -continuous monitoring

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

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

Table A3: Abatement system bypass reporting table [Bypass protocol](#)

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

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

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

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

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Additional information

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

SELECT	
SELECT	

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

Table W1 Storm water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licensed Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
SW1	downstream	SELECT	pH	25/03/2015	6.5 – 9.5	All values < ELV	7.525	pH units	yes	
SW1	downstream	SELECT	Conductivity	25/03/2015	1000	All values < ELV	635	µS/cm @20oC	yes	
SW1	downstream	SELECT	Suspended Solids	25/03/2015	25	All values < ELV	16.5	mg/L	yes	
SW1	downstream	SELECT	BOD	25/03/2015	2.6	All values < ELV	10	mg/L	yes	enter details in comments box)
SW1	downstream	SELECT	COD	25/03/2015	-	All values < ELV	44.75	mg/L	yes	
SW1	downstream	SELECT	Ammonia (as N)	25/03/2015	0.14	All values < ELV	0.4625	mg/L	yes	enter details in comments box)
SW1	downstream	SELECT	Sulphate	25/03/2015	200	All values < ELV	73.25	mg/L	yes	
SW1	downstream	SELECT	Total Nitrogen	25/03/2015	-	All values < ELV	2.35	mg/L	yes	
SW1	downstream	SELECT	Mineral oils	25/03/2015	10	All values < ELV	<10	mg/L	yes	
SW2	downstream	SELECT	pH	25/03/2014	6.5 – 9.5	All values < ELV	7.125	pH units	yes	
SW2	downstream	SELECT	Conductivity	25/03/2014	1000	All values < ELV	886.25	µS/cm @20oC	yes	
SW2	downstream	SELECT	Suspended Solids	25/03/2014	25	All values < ELV	49.75	mg/L	yes	enter details in comments box)
SW2	downstream	SELECT	BOD	25/03/2014	2.6	All values < ELV	42	mg/L	yes	enter details in comments box)
SW2	downstream	SELECT	COD	25/03/2014	-	All values < ELV	130	mg/L	yes	
SW2	downstream	SELECT	Ammonia (as N)	25/03/2014	0.14	All values < ELV	3.235	mg/L	yes	enter details in comments box)
SW2	downstream	SELECT	Sulphate	25/03/2014	200	All values < ELV	198.25	mg/L	yes	
SW2	downstream	SELECT	Total Nitrogen	25/03/2014	-	All values < ELV	6.25	mg/L	yes	
SW2	downstream	SELECT	Mineral oils	25/03/2014	10	All values < ELV	<10	mg/L	yes	

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

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

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

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

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

Yes	Interceptors where cleaned out 27/11/15
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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

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

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereof ^{Note 2}	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	Comments
														N/A	

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

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

Continuous monitoring

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

No	
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If yes please summarise your continuous monitoring data below in Table W4 and compare it to its relevant Emission Limit Value (ELV)

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

No	
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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 W5 below

No	
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Table W4: Summary of average emissions -continuous monitoring

Emission reference no:	Emission released to	Parameter/ Substance	ELV or trigger values in licence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission for current reporting year (kg)	% change +/- from previous reporting year	Monitoring Equipment downtime (hours)	Number of ELV exceedences in reporting year	Comments
GW1	Vastewater/Sewer	pH		SELECT	SELECT	SELECT					
		Ammonia (as N)									
	SELECT	BOD		SELECT	SELECT	SELECT					
		COD									
		Conductivity									
		Suspended Solids									
		Kjeldahl Nitrogen									
		Total phosphorus									

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

Table W5: Abatement system bypass reporting table

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

*Measures taken or proposed to reduce or limit bypass frequency

Bund/Pipeline testing template

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Bund testing dropdown menu click to see options

Additional information

Are you required by your licence to undertake integrity testing on bunds and containment structures? If yes please fill out table B1 below listing all **new bunds and containment structures** on site, in addition to all bunds which failed the integrity test-**all bunding structures which failed including mobile bunds must be listed in the table below, please include all bunds outside the licenced testing period** (mobile bunds and chemstore included)

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

3 "Chemstore" type units and mobile bunds)

4 How many bunds are on site?

5 How many of these bunds have been tested within the required test schedule?

6 How many mobile bunds are on site?

7 Are the mobile bunds included in the bund test schedule?

8 How many of these mobile bunds have been tested within the required test schedule?

9 How many sumps on site are included in the integrity test schedule?

10 How many of these sumps are integrity tested within the test schedule?

Please list any sump integrity failures in table B1

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

12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?

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

Yes	
3 years	
Yes	
7	
7	
3	
Yes	
3	
5	
5	
Yes	
Yes	
N/A	

Table B1: Summary details of bund /containment structure integrity test

Bund/Containment structure ID	Type	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
Concrete Bund	reinforced concrete		Oil	17472Litre	3300Litre	Other (please specify)	Hydrostatic Test	13/08/2015	Yes	Fail	Hairline crack in wall	Repaired crack	13/08/2015	Passed
Concrete Sump	reinforced concrete		Leachete	500litre	N/A	Other (please specify)	Hydrostatic Test	16/06/2015	Yes	Pass				
Concrete Bund	reinforced concrete		Leachete	11000Litre	11000Litre	Other (please specify)	Hydrostatic Test	01/10/2015	Yes	Pass				
Double Skinned Plastic	prefabricated		Diesel	1500Litre	N/A	Other (please specify)	Hydrostatic Test	29/09/2015	Yes	Pass				
Double Skinned Plastic	prefabricated		Diesel	1500Litre	N/A	SELECT	Hydrostatic Test	29/09/2015	Yes	Pass		SELECT		

* Capacity required should comply with 25% or 120% containment rule as detailed in your licence

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

15 in line with BS8007/EPA Guidance?

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

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

[bundling and storage guidelines](#)

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 underground structures and pipelines on site **which failed the integrity test and all which have not been tested within the integrity test period as specified**

2 Please provide integrity testing frequency period

*please note integrity testing means water tightness testing for process and foul pipelines (as required under your licence)

Yes	Planned for 2016
3 years	Planned for 2016

Table B2: Summary details of pipeline/underground structures integrity test

Structure ID	Type system	Material of construction:	Does this structure have Secondary containment?	Type of secondary containment	Type integrity testing	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT				SELECT

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

Groundwater/Soil monitoring template

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Comments

1	Are you required to carry out groundwater monitoring as part of your licence requirements?	yes		Please provide an interpretation of groundwater monitoring data in the interpretation box below or if you require additional space please include a groundwater/contaminated land monitoring results interpretaion as an additional section in this AER
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	Yes		
4	Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below.	no		
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	N/A		
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?	no		
11	Have potential receptors been identified on and off site?	yes		
12	Is there evidence that contamination is migrating offsite?	no		

This is the Second year of well monitoring as part of the license. There was elevated ammonia compared to GTV'S

Table 1: Upgradient Groundwater monitoring results

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

+. where average indicates arithmetic mean

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

Table 2: Downgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTV's*	SELECT**	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
24/04/2015	Puroflo System	pH		Bi-Annual		5.75	pH units	6.5-9.5	IGV	Second Year
24/04/2015	Puroflo System	NH3-N		Bi-Annual		26.15	mg/l	0.15	IGV	Second Year
24/04/2015	Puroflo System	BOD		Bi-Annual		8	mg/l O2	-	IGV	Second Year
24/04/2015	Puroflo System	COD		Bi-Annual		91	mg/l O2	-	IGV	Second Year

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24/04/2015	Puroflo System	Conductivity @ 25°C		Bi-Annual		733	µS/cm	1000	IGV	Second Year
24/04/2015	Puroflo System	Suspended solids		Bi-Annual		22	mg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Total Nitrogen		Bi-Annual		62	mg/l	-	IGV	Second Year
24/04/2015	Puroflo System	P04-P		Bi-Annual		8.65	mg/l	0.03	IGV	Second Year
24/04/2015	Puroflo System	Chloride		Bi-Annual		56.5	mg/l		IGV	Second Year
24/04/2015	Puroflo System	Fluoride		Bi-Annual		0.295	mg/l		IGV	Second Year
24/04/2015	Puroflo System	N03-N		Bi-Annual		24	mg/l		IGV	Second Year
24/04/2015	Puroflo System	Atrazine **		Bi-Annual		<0.02	µg/l	1.0	IGV	Second Year
24/04/2015	Puroflo System	Simazine **		Bi-Annual		<0.02	µg/l	1.0	IGV	Second Year
24/04/2015	Puroflo System	Boron		Bi-Annual		60.5	µg/l	1000.0	IGV	Second Year
24/04/2015	Puroflo System	Beryllium		Bi-Annual		<20	µg/l		IGV	Second Year
24/04/2015	Puroflo System	Alumium		Bi-Annual		238.5	µg/l	200.0	IGV	Second Year
24/04/2015	Puroflo System	Chromium		Bi-Annual		<2	µg/l	30.0	IGV	Second Year
24/04/2015	Puroflo System	Manganese		Bi-Annual		52	µg/l	50.0	IGV	Second Year
24/04/2015	Puroflo System	Cobalt		Bi-Annual		<2	µg/l		IGV	Second Year
24/04/2015	Puroflo System	Nickel		Bi-Annual		3	µg/l	20.0	IGV	Second Year
24/04/2015	Puroflo System	Copper		Bi-Annual		28	µg/l	30.0	IGV	Second Year
24/04/2015	Puroflo System	Zinc		Bi-Annual		64	µg/l	100.0	IGV	Second Year
24/04/2015	Puroflo System	Arsenic		Bi-Annual		<2	µg/l		IGV	Second Year
24/04/2015	Puroflo System	Selenium		Bi-Annual		<2	µg/l		IGV	Second Year
24/04/2015	Puroflo System	Silver		Bi-Annual		<2	µg/l		IGV	Second Year
24/04/2015	Puroflo System	Cadium		Bi-Annual		<2	µg/l	5.0	IGV	Second Year
24/04/2015	Puroflo System	Tin		Bi-Annual		<2	µg/l		IGV	Second Year
24/04/2015	Puroflo System	Antimony		Bi-Annual		<2	µg/l		IGV	Second Year
24/04/2015	Puroflo System	Barium		Bi-Annual		40.5	µg/l	100.0	IGV	Second Year
24/04/2015	Puroflo System	Lead		Bi-Annual		<2	µg/l	10.0	IGV	Second Year
24/04/2015	Puroflo System	Iron		Bi-Annual		0.4	µg/l	0.2	IGV	Second Year

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24/04/2015	Puroflo System	Mercury		Bi-Annual		<0.01	µg/l	1.0	IGV	Second Year
24/04/2015	Puroflo System	Dichlorvos**		Bi-Annual		<0.01	µg/l	0.001	IGV	Second Year
24/04/2015	Puroflo System	Mevinphos**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	alpha-HCH/Lindane**		Bi-Annual		<0.01	µg/l	0.1	IGV	Second Year
24/04/2015	Puroflo System	Diazinon**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	gamma-HCH/Lindane**		Bi-Annual		<0.01	µg/l	0.1	IGV	Second Year
24/04/2015	Puroflo System	Heptachlor**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Aldrin**		Bi-Annual		<0.01	µg/l	0.01	IGV	Second Year
24/04/2015	Puroflo System	beta-HCH/Lindane**		Bi-Annual		<0.01	µg/l	0.1	IGV	Second Year
24/04/2015	Puroflo System	Methyl Parathion**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Malathion**		Bi-Annual		<0.01	µg/l	0.01	IGV	Second Year
24/04/2015	Puroflo System	Fenitrothion**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Heptachlor Epoxide**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Parathion**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	o,p-DDE**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Endosulfan I**		Bi-Annual		<0.01	µg/l	0.001	IGV	Second Year
24/04/2015	Puroflo System	p,p-DDE**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Dieldrin**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	o,p-TDE**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Endrin**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	o,p-DDT**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	p,p-TDE**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Ethion**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Endosulfan II**		Bi-Annual		<0.01	µg/l	0.001	IGV	Second Year
24/04/2015	Puroflo System	p,p-DDT**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	o,p-Methoxychlor**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	p,p-Methoxychlor**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year

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24/04/2015	Puroflo System	Endosulfan Sulphate**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Azinphos Methyl**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Tecnazene**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Trifluralin**		Bi-Annual		<0.01	µg/l	0.1	IGV	Second Year
24/04/2015	Puroflo System	Hexachlorobenzene**		Bi-Annual		<0.01	µg/l	0.03	IGV	Second Year
24/04/2015	Puroflo System	Quintozene(PCNB)**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Triallate**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Chlorothalonil**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Triadimefon**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Pendimethalin**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	heptachlor epoxide**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	o, p'-DDE**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Endosulphan I**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	p,p'-DDE**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	p,p'-TDE(DDD)**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Endosulphan II**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	o,p'-TDE(DDD)**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	o, p'-Methoxychlor**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	p, p'-Methoxychlor**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Permethrin 1**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Permethrin 11**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Telodrin**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Isodrin**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	trans-Chlordane**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	cis-Chlordane**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Ethion **		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Dimethoate**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year

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24/04/2015	Puroflo System	Propetamphos**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Etrimphos**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Chlorpyrifos-methyl**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Fenthion**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Chlorpyrifos**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Chlorfenvinphos**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Triazophos**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Carbophenothion**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Phosalone**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Azinphos ethyl**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Azinphos methyl**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Disulphoton		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	1,2,4-Trichlorobenzene**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	1,2-Dichlorobenzene**		Bi-Annual		<1	µg/l	10	IGV	Second Year
24/04/2015	Puroflo System	1,3-Dichlorobenzene**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	1,4-Dichlorobenzene**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	2,4,5-Trichlorophenol**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	2,4,6-Trichlorophenol**		Bi-Annual		<1	µg/l	200	IGV	Second Year
24/04/2015	Puroflo System	2,4-Dichlorophenol**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	2,4-Dimethylphenol**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	2-Chloronaphthalene**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	2-Chlorophenol**		Bi-Annual		<1	µg/l	200	IGV	Second Year
24/04/2015	Puroflo System	2-Methylnaphthalene**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	2-Methylphenol**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	2-Nitroaniline**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	2-Nitrophenol**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	3-Nitroaniline**		Bi-Annual		<1	µg/l	-	IGV	Second Year

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24/04/2015	Puroflo System	4-Bromophenylphenylether**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	4-Chloro-3-methylphenol**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	4-Chloroaniline**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	4-Chlorophenylphenylether**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	4-Methylphenol**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	4-Nitrophenol**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	4-Nitroaniline**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Azobenzene**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Acenaphthene**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Anthracene**	Bi-Annual		<1	µg/l	10000	IGV	Second Year
24/04/2015	Puroflo System	Bis(2-Chloroethyl)ether**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Bis(2-chloroethoxy)methane**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Bis(2-ethylhexyl)phthalate**	Bi-Annual		3.97	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Benzo(a)anthracene**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Butylbenzylphthalate**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Benzo(a)pyrene**	Bi-Annual		<1	µg/l	0.01	IGV	Second Year
24/04/2015	Puroflo System	Benzo(ghi)perylene**	Bi-Annual		<1	µg/l	0.05	IGV	Second Year
24/04/2015	Puroflo System	Carbazole**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Chrysene**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Dibenzofuran**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Diethyl phthalate**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Dibenzo(a,h)anthracene**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Dimethyl phthalate**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Flourene**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	hexachlorobutadiene**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Pentachlorophenol**	Bi-Annual		<1	µg/l	2	IGV	Second Year
24/04/2015	Puroflo System	Phenol**	Bi-Annual		<1	µg/l	0.5	IGV	Second Year

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24/04/2015	Puroflo System	N-nitrosodi-n-propylamine**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Hexachloroethane**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Nitrobenzene**	Bi-Annual		<1	µg/l	10	IGV	Second Year
24/04/2015	Puroflo System	Naphthalene**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Isophorone**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Hexachlorocyclopentadiene**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Phenanthrene**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Indeno(1,2,3-cd)pyrene**	Bi-Annual		<1	µg/l	0.05	IGV	Second Year
24/04/2015	Puroflo System	Pyrene**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Dichlorodifluoromethane**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Chloromethane**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Vinyl chloride**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Bromomethane**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Chloroethane**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Trichlorofluoromethane**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	1,1-Dichloroethene**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Dichloromethane**	Bi-Annual		<3	µg/l	10	IGV	Second Year
24/04/2015	Puroflo System	trans-1,2-Dichloroethene**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	1,1-Dichloroethane**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	2,2-Dichloropropane**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	cis-1,2-Dichloroethene**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Bromochloromethane**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Chloroform**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	1,1,1-Trichloroethane**	Bi-Annual		<1	µg/l	500	IGV	Second Year
24/04/2015	Puroflo System	Carbon Tetrachloride**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	1,1-Dichloropropene**	Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Benzene**	Bi-Annual		<1	µg/l	1.0	IGV	Second Year

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24/04/2015	Puroflo System	1,2-Dichloroethane**		Bi-Annual		<1	µg/l	3.0	IGV	Second Year
24/04/2015	Puroflo System	Trichloroethene**		Bi-Annual		<1	µg/l	70	IGV	Second Year
24/04/2015	Puroflo System	1,2-Dichloropropane**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Dibromomethane**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Bromodichloromethane**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Toluene**		Bi-Annual		<1	µg/l	10	IGV	Second Year
24/04/2015	Puroflo System	1,1,2-Trichloroethane**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	1,2-Dibromoethane**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	1,1,1,2-Tetrachloroethane**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	m,p-Xylene**		Bi-Annual		<1	µg/l	10	IGV	Second Year
24/04/2015	Puroflo System	Styrene**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Isopropylbenzene**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	n-propylbenzene**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	2-Chlorotoluene**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	4-Chlorotoluene**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	1,2,4-Trimethylbenzene**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	4-Isopropyltoluene**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	1,3-Dichloropropane**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	cis-1,3-Dichloropropene**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	trans-1,3-Dichloropropene**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Dibromochloromethane**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Chlorobenzene**		Bi-Annual		<1	µg/l	1.0	IGV	Second Year
24/04/2015	Puroflo System	Ethyl Benzene**		Bi-Annual		<1	µg/l	10	IGV	Second Year
24/04/2015	Puroflo System	o-Xylene**		Bi-Annual		<1	µg/l	10	IGV	Second Year
24/04/2015	Puroflo System	Bromoform**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	1,2,3-Trichloropropane**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Bromobenzene**		Bi-Annual		<1	µg/l	-	IGV	Second Year

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24/04/2015	Puroflo System	Tert-Butylbenzene**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Sec-Butylbenzene**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	1,3,5-Trimethylbenzene**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	1,2- Dibromo-3-chloropropane**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Hexachlorobutadiene**		Bi-Annual		<1	µg/l	0.1	IGV	Second Year
24/04/2015	Puroflo System	1,2,3-Trichlorobenzene**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Puroflo System	Tetrachloroethene**		Bi-Annual		<1	µg/l	2.0	IGV	Second Year
24/04/2015	Puroflo System	n-butylbenzene**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	pH		Bi-Annual		7.2	pH units	6.5-9.5	IGV	Second Year
24/04/2015	Well Borehole	NH3-N		Bi-Annual		0.8	mg/l	0.15	IGV	Second Year
24/04/2015	Well Borehole	BOD		Bi-Annual		2	mg/l O2	-	IGV	Second Year
24/04/2015	Well Borehole	COD		Bi-Annual		<10	mg/l O2	-	IGV	Second Year
24/04/2015	Well Borehole	Conductivity @ 25°C		Bi-Annual		715	µS/cm	1000	IGV	Second Year
24/04/2015	Well Borehole	Suspended solids		Bi-Annual		<5	mg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Total Nitrogen		Bi-Annual		2.1	mg/l	-	IGV	Second Year
24/04/2015	Well Borehole	P04-P		Bi-Annual		0.03	mg/l	0.03	IGV	Second Year
24/04/2015	Well Borehole	Chloride		Bi-Annual		35	mg/l		IGV	Second Year
24/04/2015	Well Borehole	Fluoride		Bi-Annual		0.36	mg/l		IGV	Second Year
24/04/2015	Well Borehole	N03-N		Bi-Annual		0.075	mg/l		IGV	Second Year
24/04/2015	Well Borehole	Atrazine **		Bi-Annual		<0.02	µg/l	1.0	IGV	Second Year
24/04/2015	Well Borehole	Simazine **		Bi-Annual		<0.02	µg/l	1.0	IGV	Second Year
24/04/2015	Well Borehole	Boron		Bi-Annual		121	µg/l	1000.0	IGV	Second Year
24/04/2015	Well Borehole	Beryllium		Bi-Annual		<2	µg/l		IGV	Second Year
24/04/2015	Well Borehole	Alumium		Bi-Annual		<2	µg/l	200.0	IGV	Second Year
24/04/2015	Well Borehole	Chromium		Bi-Annual		<2	µg/l	30.0	IGV	Second Year
24/04/2015	Well Borehole	Manganese		Bi-Annual		185	µg/l	50.0	IGV	Second Year
24/04/2015	Well Borehole	Cobalt		Bi-Annual		<2	µg/l		IGV	Second Year

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24/04/2015	Well Borehole	Nickel		Bi-Annual		<2	$\mu\text{g/l}$	20.0	IGV	Second Year
24/04/2015	Well Borehole	Copper		Bi-Annual		<2	$\mu\text{g/l}$	30.0	IGV	Second Year
24/04/2015	Well Borehole	Zinc		Bi-Annual		38	$\mu\text{g/l}$	100.0	IGV	Second Year
24/04/2015	Well Borehole	Arsenic		Bi-Annual		<2	$\mu\text{g/l}$		IGV	Second Year
24/04/2015	Well Borehole	Selenium		Bi-Annual		<2	$\mu\text{g/l}$		IGV	Second Year
24/04/2015	Well Borehole	Silver		Bi-Annual		<2	$\mu\text{g/l}$		IGV	Second Year
24/04/2015	Well Borehole	Cadium		Bi-Annual		<2	$\mu\text{g/l}$	5.0	IGV	Second Year
24/04/2015	Well Borehole	Tin		Bi-Annual		<2	$\mu\text{g/l}$		IGV	Second Year
24/04/2015	Well Borehole	Antimony		Bi-Annual		<2	$\mu\text{g/l}$		IGV	Second Year
24/04/2015	Well Borehole	Barium		Bi-Annual		213	$\mu\text{g/l}$	100.0	IGV	Second Year
24/04/2015	Well Borehole	Lead		Bi-Annual		<2	$\mu\text{g/l}$	10.0	IGV	Second Year
24/04/2015	Well Borehole	Iron		Bi-Annual		<0.1	$\mu\text{g/l}$	0.2	IGV	Second Year
24/04/2015	Well Borehole	Mercury		Bi-Annual		<1	$\mu\text{g/l}$	1.0	IGV	Second Year
24/04/2015	Well Borehole	Dichlorvos**		Bi-Annual		<0.01	$\mu\text{g/l}$	0.001	IGV	Second Year
24/04/2015	Well Borehole	Mevinphos**		Bi-Annual		<0.01	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	alpha-HCH/Lindane**		Bi-Annual		<0.01	$\mu\text{g/l}$	0.1	IGV	Second Year
24/04/2015	Well Borehole	Diazinon**		Bi-Annual		<0.01	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	gamma-HCH/Lindane**		Bi-Annual		<0.01	$\mu\text{g/l}$	0.1	IGV	Second Year
24/04/2015	Well Borehole	Heptachlor**		Bi-Annual		<0.01	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Aldrin**		Bi-Annual		<0.01	$\mu\text{g/l}$	0.01	IGV	Second Year
24/04/2015	Well Borehole	beta-HCH/Lindane**		Bi-Annual		<0.01	$\mu\text{g/l}$	0.1	IGV	Second Year
24/04/2015	Well Borehole	Methyl Parathion**		Bi-Annual		<0.01	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Malathion**		Bi-Annual		<0.01	$\mu\text{g/l}$	0.01	IGV	Second Year
24/04/2015	Well Borehole	Fenitrothion**		Bi-Annual		<0.01	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Heptachlor Epoxide**		Bi-Annual		<0.01	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Parathion**		Bi-Annual		<0.01	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	o,p-DDE**		Bi-Annual		<0.01	$\mu\text{g/l}$	-	IGV	Second Year

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24/04/2015	Well Borehole	Endosulfan I**		Bi-Annual		<0.01	µg/l	0.001	IGV	Second Year
24/04/2015	Well Borehole	p,p-DDE**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Dieldrin**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	o,p-TDE**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Endrin**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	o,p-DDT**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	p,p-TDE**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Ethion**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Endosulfan II**		Bi-Annual		<0.01	µg/l	0.001	IGV	Second Year
24/04/2015	Well Borehole	p,p-DDT**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	o,p-Methoxychlor**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	p,p-Methoxychlor**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Endosulfan Sulphate**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Azinphos Methyl**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Tecnazene**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Trifluralin**		Bi-Annual		<0.01	µg/l	0.1	IGV	Second Year
24/04/2015	Well Borehole	Hexachlorobenzene**		Bi-Annual		<0.01	µg/l	0.03	IGV	Second Year
24/04/2015	Well Borehole	Quintozene(PCNB)**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Triallate**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Chlorothalonil**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Triadimefon**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Pendimethalin**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	heptachlor epoxide**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	o, p'-DDE**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Endosulphan I**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	p,p'-DDE**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	p,p'-TDE(DDD)**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year

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24/04/2015	Well Borehole	Endosulphan II**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	o,p'-TDE(DDD)**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	o, p'-Methoxychlor**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	p, p'-Methoxychlor**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Permethrin 1**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Permethrin 11**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Telodrin**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Isodrin**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	trans-Chlordane**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	cis-Chlordane**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Ethion **		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Dimethoate**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Propetamphos**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Etrimphos**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Chlorpyrifos-methyl**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Fenthion**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Chlorpyrifos**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Chlorfenvinphos**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Triazophos**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Carbophenothion**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Phosalone**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Azinphos ethyl**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Azinphos methyl**		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	Disulphoton		Bi-Annual		<0.01	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	1,2,4-Trichlorobenzene**		Bi-Annual		<1	µg/l	-	IGV	Second Year
24/04/2015	Well Borehole	1,2-Dichlorobenzene**		Bi-Annual		<1	µg/l	10	IGV	Second Year
24/04/2015	Well Borehole	1,3-Dichlorobenzene**		Bi-Annual		<1	µg/l	-	IGV	Second Year

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24/04/2015	Well Borehole	1,4-Dichlorobenzene**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	2,4,5-Trichlorophenol**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	2,4,6-Trichlorophenol**		Bi-Annual		<1	$\mu\text{g/l}$	200	IGV	Second Year
24/04/2015	Well Borehole	2,4-Dichlorophenol**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	2,4-Dimethylphenol**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	2-Chloronaphthalene**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	2-Chlorophenol**		Bi-Annual		<1	$\mu\text{g/l}$	200	IGV	Second Year
24/04/2015	Well Borehole	2-Methylnaphthalene**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	2-Methylphenol**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	2-Nitroaniline**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	2-Nitrophenol**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	3-Nitroaniline**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	4-Bromophenylphenylether**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	4-Chloro-3-methylphenol**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	4-Chloroaniline**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	4-Chlorophenylphenylether**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	4-Methylphenol**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	4-Nitrophenol**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	4-Nitroaniline**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Azobenzene**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Acenaphthene**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Anthracene**		Bi-Annual		<1	$\mu\text{g/l}$	10000	IGV	Second Year
24/04/2015	Well Borehole	Bis(2-Chloroethyl)ether**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Bis(2-chloroethoxy)methane**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Bis(2-ethylhexyl)phthalate**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Benzo(a)anthracene**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Butylbenzylphthalate**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year

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24/04/2015	Well Borehole	Benzo(a)pyrene**		Bi-Annual		<1	$\mu\text{g/l}$	0.01	IGV	Second Year
24/04/2015	Well Borehole	Benzo(ghi)perylene**		Bi-Annual		<1	$\mu\text{g/l}$	0.05	IGV	Second Year
24/04/2015	Well Borehole	Carbazole**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Chrysene**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Dibenzofuran**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Diethyl phthalate**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Dibenzo(a,h)anthracene**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Dimethyl phthalate**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Flourene**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	hexachlorobutadiene**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Pentachlorophenol**		Bi-Annual		<1	$\mu\text{g/l}$	2	IGV	Second Year
24/04/2015	Well Borehole	Phenol**		Bi-Annual		<1	$\mu\text{g/l}$	0.5	IGV	Second Year
24/04/2015	Well Borehole	N-nitrosodi-n-propylamine**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Hexachloroethane**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Nitrobenzene**		Bi-Annual		<1	$\mu\text{g/l}$	10	IGV	Second Year
24/04/2015	Well Borehole	Naphthalene**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Isophorone**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Hexachlorocyclopentadiene**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Phenanthrene**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Indenol(1,2,3-cd)pyrene**		Bi-Annual		<1	$\mu\text{g/l}$	0.05	IGV	Second Year
24/04/2015	Well Borehole	Pyrene**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Dichlorodifluoromethane**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Chloromethane**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Vinyl chloride**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Bromomethane**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Chloroethane**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Trichlorofluoromethane**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year

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24/04/2015	Well Borehole	1,1-Dichloroethene**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Dichloromethane**		Bi-Annual		<3	$\mu\text{g/l}$	10	IGV	Second Year
24/04/2015	Well Borehole	trans-1,2-Dichloroethene**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	1,1-Dichloroethane**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	2,2-Dichloropropane**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	cis-1,2-Dichloroethene**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Bromochloromethane**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Chloroform**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	1,1,1-Trichloroethane**		Bi-Annual		<1	$\mu\text{g/l}$	500	IGV	Second Year
24/04/2015	Well Borehole	Carbon Tetrachloride**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	1,1-Dichloropropene**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Benzene**		Bi-Annual		<1	$\mu\text{g/l}$	1.0	IGV	Second Year
24/04/2015	Well Borehole	1,2-Dichloroethane**		Bi-Annual		<1	$\mu\text{g/l}$	3.0	IGV	Second Year
24/04/2015	Well Borehole	Trichloroethene**		Bi-Annual		<1	$\mu\text{g/l}$	70	IGV	Second Year
24/04/2015	Well Borehole	1,2-Dichloropropane**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Dibromomethane**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Bromodichloromethane**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Toluene**		Bi-Annual		<1	$\mu\text{g/l}$	10	IGV	Second Year
24/04/2015	Well Borehole	1,1,2-Trichloroethane**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	1,2-Dibromoethane**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	1,1,1,2-Tetrachloroethane**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	m,p-Xylene**		Bi-Annual		<1	$\mu\text{g/l}$	10	IGV	Second Year
24/04/2015	Well Borehole	Styrene**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	Isopropylbenzene**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	n-propylbenzene**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	2-Chlorotoluene**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year
24/04/2015	Well Borehole	4-Chlorotoluene**		Bi-Annual		<1	$\mu\text{g/l}$	-	IGV	Second Year

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

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

Commentary

1	ELRA initial agreement status	Required but not submitted	in preparation bu Anua
2	ELRA review status	Review required and not completed;	
3	Amount of Financial Provision cover required as determined by the latest ELRA	unknown	
4	Financial Provision for ELRA status	Required but not submitted	pepaired and being reviewed
5	Financial Provision for ELRA - amount of cover	unknown	pepaired and being reviewed
6	Financial Provision for ELRA - type	vironmental Impairment Liability insura	pepaired and being reviewed
7	Financial provision for ELRA expiry date	Enter expiry date	pepaired and being reviewed
8	Closure plan initial agreement status	Required but not submitted	
9	Closure plan review status	Review required and not completed	
10	Financial Provision for Closure status	Required but not submitted	
11	Financial Provision for Closure - amount of cover	unknown	
12	Financial Provision for Closure - type	vironmental Impairment Liability insura	Not
13	Financial provision for Closure expiry date	Enter expiry date	

Environmental Management Programme/Continuous Improvement Programme template

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Highlighted cells contain dropdown menu click to view		Additional Information	
1	Do you maintain an Environmental Management System (EMS) for the site. If yes, please detail in additional information	Yes	ISO 9001 , ISO 14001, ISO 18001 waiting for cert in Jan 16
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	Continued roll out Environmental Management System	95%	ISO 9001, ISO 14001 and ISO 18001 implementation under way	Section Head	Improved Environmental Management Practices
Additional improvements	To ensure that all employees are made aware of conditions set out in EPA Licence W0253-01 and the requirements set out in the Environmental Management System	100	All employees trained	Individual	Increased compliance with licence conditions
Additional improvements	Establish and maintain a programme for maintenance of all plant and equipment as per Condition 2.2.2.8 of Waste Licence	100	Maintenance is planned and organised by maintenance department	Individual	Improved Environmental Management Practices
Additional improvements	Management Team to review compliance with licence conditions, EMS, Improvements and Objective & Targets set out.	100	Quarterly reviews take place	Individual	Increased compliance with licence conditions
Reduction of emissions to Water	As per Waste Licence: Should any limits be exceeded, corrective actions to be implemented.	100	Review of waste figures required	Individual	Improved Environmental Management Practices

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Additional improvements	Label and provide safe permanent access to all onsite sampling and monitoring points in accordance with Condition 3.5 of Waste Licence	100	All monitoring locations are number and safe access is in place	Individual	Increased compliance with licence conditions
Materials Handling/Storage/Bunding	Construct an enclosed building capable of containing all emissions arising from the Construction and Demolition Waste Recovery Area	60	Awaiting fire cert and construction will commence in Q3 2015	Individual	Increased compliance with licence conditions
Reduction of emissions to Water	Install manual Shut-off valves on surface/wastewater discharge drains. ID the valves at location.	60	Installed in Wastewater system. To be installed on surface water, Plans sent	Individual	Increased compliance with licence conditions
Reduction of emissions to Water	Develop procedures for manual shut down of valves. Include in EMS and training records.	70	Procedure in place	Individual	Increased compliance with licence conditions
Reduction of emissions to Water	Review stormwater drainage from roof area and access the civil works associated with the diversion of roof storm water directly to stream	60	New drainage system to be installed in 2015	Individual	Increased compliance with licence conditions
Reduction of emissions to Water	Review progress against stormwater trigger values from yard runoff and detail action items to reduce at source	100	Naturally high ammonia in groundwater needs investigation	Individual	Increased compliance with licence conditions
Materials Handling/Storage/Bunding	Label and identify waste quarantine area	100	waste quarantine area labelled	Individual	Increased compliance with licence conditions
Materials Handling/Storage/Bunding	Review storage of tanks, drums and container areas. Demonstrate that all storage areas are impervious to materials stored therein and repair if necessary	100	bunding on site is within fuel storage area	Section Head	Increased compliance with licence conditions

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Reduction of emissions to Water	Review total surface area flow to each interceptor. Identify a supplier and obtain quotation. Purchase and install interceptors	100	site recovery rain water for re	Individual	Increased compliance with licence conditions
Reduction of emissions to Air	Install in a prominent location on the site a wind sock as per Condition 3.22 of Waste Licence	100	Wind sock installed	Individual	Increased compliance with licence conditions
Additional improvements	Weather Monitoring Station as per Condition 3.23 of Waste Licence	60	Wind Station order on 25/03/15	Individual	Increased compliance with licence conditions
Additional improvements	Investigate if Wheel wash as per Condition 3.24 of Waste Licence is necessary. Identify supplier of Weighbridge and Wheel Cleaner	40	Wheel wash	Section Head	Increased compliance with licence conditions
Reduction of emissions to Water	Assessment of Fire-water Retention	50	Risk Assessment under preparation by Anua	Section Head	Increased compliance with licence conditions
Materials Handling/Storage/Bunding	Review requirements for additional receptacles at the facility for the disposal of absorbent material, oily rags, hydraulic hoses and oil filters.	100	All hazardous waste seperated and disposed off correctly	Section Head	Increased compliance with licence conditions
Materials Handling/Storage/Bunding	Carry out integrity testing on all underground tanks and pipes in accordance with Condition 6.10 of Waste Licence	60	Testing of all bunds scheduled	Section Head	Improved Environmental Management Practices
Noise reduction	Prepare programme for the identification and reduction of noise emissions in accordance with Condition 6.13 of Waste Licence. The programme shall be reviewed annually.	100	monitoring programme in place	Individual	Increased compliance with licence conditions

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Additional improvements	Setup and update Data Management System as per Condition 6.17 of Waste Licence	70	data system in place need and will be incorporated into EMS	Individual	Increased compliance with licence conditions
Energy Efficiency/Utility conservation	To carry out an Energy Efficiency Audit in accordance with Condition 7.1 of Waste Licence	70	Energy Audit under way list of all operating equipment in place	Individual	Increased compliance with licence conditions
Energy Efficiency/Utility conservation	To carry out and assessment of the efficiency of use of raw materials in all processes	70	Included in as part of the Energy Audit	Individual	Reduced emissions
Reduction of emissions to Water	Reduce water consumption onsite	70	Included in as part of the Energy Audit	Individual	Increased compliance with licence conditions
Additional improvements	Prepare Accident Prevention Procedure as per Condition 9.1 of Waste Licence	90	Accident Prevention Procedure in place and will be incorporated into EMS	Individual	Reduced emissions
Additional improvements	Prepare Emergency Response Procedure as per Condition 9.2 of Waste Licence	80	Emergency response produce in place. Training required	Section Head	Increased compliance with licence conditions
Additional improvements	Prepare Decommissioning Management Plan (DMP) as per Condition 10.2 of Waste Licence	60	DMP plan is under preparation by Anua	Individual	Improved Environmental Management Practices
Additional improvements	Prepare Environmental Liabilities Risk Assessment as per Condition 12.2 of Waste Licence	60	DMP plan is under preparation by Anua	Individual	Improved Environmental Management Practices
Energy Efficiency/Utility conservation	Prepare report examining waste recovery options in accordance with Condition 11.14 of Waste Licence	80	Waste recovery will be examined to determine recovery rates	Individual	Improved Environmental Management Practices
SELECT					
SELECT					

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

Noise monitoring summary report

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

Yes

If yes please fill in table N1 noise summary below

2 Was noise monitoring carried out using the EPA Guidance note, including completion of the "Checklist for noise measurement report" included in the guidance note as table 6?

[Noise Guidance note NG4](#)

Yes

3 Does your site have a noise reduction plan

SELECT

4 When was the noise reduction plan last updated?

Enter date

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

SELECT

Table N1: 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)?
24/04/2015	day	Offsite	NSL1	54	44	58	76	No	No		Yes
24/04/2015	day	Offsite	NSL2	58	37	52	84	No	No		Yes
24/04/2015	day	Offsite	NSL3	43	32	45	69	No	No	lawnmower operating at dwelling	Yes
15/06/2015	day	Offsite	NSL1	50	40	50	69	No	No		Yes
15/06/2015	day	Offsite	NSL2	58	33	54	86	No	No	Attributed to passing traffic	Yes
15/06/2015	day	Offsite	NSL3	48	38	48	75	No	No		Yes
15/09/2015	day	Offsite	NSL1	51	43	54	68	No	No		Yes
15/09/2015	day	Offsite	NSL2	51	37	53	87	No	No	Passing traffic	Yes
15/09/2015	day	Offsite	NSL3	46	39	50	56	No	No		Yes
16/12/2015	day	Offsite	NSL1	53	47	55	70	No	No		Yes
16/12/2015	day	Offsite	NSL2	61	41	56	89	No	No	Passing traffic	Yes
16/12/2015	day	Offsite	NSL3	43	36	136	66	No	No		Yes
24/04/2015	evening	Offsite	NSL1	48	37	48	58	No	No		Yes
24/04/2015	evening	Offsite	NSL2	55	33	47	65	No	No	Passing traffic	Yes
24/04/2015	evening	Offsite	NSL3	42	33	42	59	No	No		Yes
											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?

The majority of these exceedences where contributed to passing traffic on nearby road.

Additional information

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

Enter date of audit	Nov-15
Yes	
Yes	

Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI programme linked to the right? If yes please list them in additional information

[SEAI - Large Industry Energy Network \(LIEN\)](#)

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

Table R1 Energy usage on site

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	273.393	224,744		-11.88
Total Energy Generated (MWHrs)	0	0		
Total Renewable Energy Generated (MWHrs)	0	0		
Electricity Consumption (MWHrs)	273.393	224,744		-11.88
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)	75.2	118.811	72.435	
Natural gas (m3)	0	0		
Coal/Solid fuel (metric tonnes)	0	0		
Peat (metric tonnes)	0	0		
Renewable Biomass	6.0 Tonnes	6.0 Tonnes	0	0
Renewable energy generated on site	0	0		

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

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

Table R2 Water usage on site

Water use	Water extracted Previous year m3/yr.	Water extracted Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Water Emissions		Water Consumption	
					Volume Discharged back to environment(m ³ /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:	
Groundwater	0	0	0	0	0	0	0	0
Surface water	0	0	0	0	0	0	0	0
Public supply	50	50	0	0	50	0	0	0
Recycled water	25	25	0	0	25	0	0	0
Total	75	75	0	0	75	0	0	0

* 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

WASTE SUMMARY

Lic No:

W0253

Year

2015

SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES

[PRTR facility legend](#)

dropdown list click to see options

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

Additional Information

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**)

Yes	
-----	--

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

No	
----	--

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

Licensed annual tonnage limit for your site (total tonnes/annum)	EWC code European Waste Catalogue EWC codes	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which applies to relevant EWC code European Waste Catalogue EWC codes	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/ Increase over previous year +/- %	Reason for reduction/ increase from previous reporting year	Packaging Content (%) - only applies if the waste has a packaging component	Disposal/Recovery or treatment operation carried out at your site and the description of this operation	Quantity of waste remaining on site at the end of reporting year (tonnes)	Comments -
	150104	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Aluminium	1.44	0.32	450%		0%	R4- Recycling/reclamation of metals and metal compounds	0	
	200201	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Brown Bin Waste	906.61	877.586	3%		0%	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asanother biological transformation processes)which includes gasification and pyrolysis	39	
	200307	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Bulky	2670.815	2733.949	-2%		0%	D1-Deposit into or onto land	27	
????????	170411	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Cable	1.54	1.54	0%		0%	R4- Recycling/reclamation of metals and metal compounds	0	
	150101	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Cardboard	1494.05	677.691	120%		0%	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asanother biological transformation processes)which includes gasification and pyrolysis	20	
	80318	08- WASTES FORM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS,) ADHESIVES, SEALANTS AND PRINTING INKS	Cartridges	0.62	824.88	-100%		0%	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resulting in recovery of the soil and recycling of inorganic construction materials	0	

WASTE SUMMARY		Lic No:		W0253		Year		2015	
191210	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	Combustible Waste (RDF)	869.39	475.71	83%	0%	R1-Use principally as a fuel or other means to generate energy	0	
200201	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	Garden Waste	39.78	60.86	-34%	0%	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asanother biological transformation processes)which includes gasification and pyrolysis	0	
170203	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Hard Plastic	140.14	189.78	-26%	0%	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asanother biological transformation processes)which includes gasification and pyrolysis	5	
200139	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	HDPE Bottles	17.12	43.02	-60%	0%	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asanother biological transformation processes)which includes gasification and pyrolysis	0	
200307	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mattresses	60.24	34.92	73%	0%	D1-Deposit into or onto land	0	
170407	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Metal from C&D Sites	61.88	56.8	9%	0%	R4- Recycling/reclamation of metals and metal compounds	8.34	
170904	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed C&D	444.35	756.37	-41%	0%	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resulting in recovery of the soil and recycling of inorganic construction materials	5	
170107	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Concrete and Brick	69.3	122.06	43%	0%	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resulting in recovery of the soil and recycling of inorganic construction materials	0	
200301	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Dry Recyclables	8,239	8,626	-5%	0%	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asanother biological transformation processes)which includes gasification and pyrolysis	80	
150107	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	mixed Glass	450.14	761.3	-41%	0%	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resulting in recovery of the soil and recycling of inorganic construction materials	2	

WASTE SUMMARY			Lic No:	W0253	Year	2015	
200140	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Metal	58.54	33.58	74%	0% R4- Recycling/reclamation of metals and metal compounds	0
200139	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Plastic Bottles	161.95	10.93	1381%	0% R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asanother biological transformation processes)which includes gasification and pyrolysis	20
200301	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Waste	29597.552	26491.955	12%	0% R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asanother biological transformation processes)which includes gasification and pyrolysis	310
200101	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Paper	1639.58	1353.74	21%	0% R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asanother biological transformation processes)which includes gasification and pyrolysis	35
200101	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Paper Shredding	12.35	14.92	-6%	0% R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asanother biological transformation processes)which includes gasification and pyrolysis	0
200139	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	PET Bottles	17.08	25.78	3%	0% R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asanother biological transformation processes)which includes gasification and pyrolysis	0
170802	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Plasterboard	29	4.32	571%	0% D1-Deposit into or onto land	0
????????	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Plastic Film	5.16	5.16	0%	0% R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asanother biological transformation processes)which includes gasification and pyrolysis	0
200102	08- WASTES FORM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS,) ADHESIVES, SEALANTS AND PRINTING INKS	Plate Glass	56.3	44.78	19%	0% R5-Recycling/reclamation or other inorganic materials which includes soil celaning resulting in recovery of the soil and recycling of inorganic construction materials	5

WASTE SUMMARY			Lic No:	W0253	Year	2015		
200139	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Polyethylene	0.9	1.71	-48%	0%	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asanother biological transformation processes)which includes gasification and pyrolysis	0
200136	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	WEEE	5.22	1.86	181%	0%	R4- Recycling/reclamation of metals and metal compounds	0.2
191207	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	Wood Chip	0	13.16	-100%	0%	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asanother biological transformation processes)which includes gasification and pyrolysis	0
170201	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Wood from C&D Sites	869.52	907.09	-4%	0%	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asanother biological transformation processes)which includes gasification and pyrolysis	15
200301	19- Sludges from Treatment of Urban Waste Water	Sludge	31.32		0%	0%	D5- Specially engineered landfill	0
150102	15- Plastic Packaging	Polystrene	3.25		0%	0%	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials	3.25
170201	17- Wood	Low Grade Timber	35.38		0%	0%	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asanother biological transformation processes)which includes gasification and pyrolysis	0
170407	17- Mixed Metals	Light Steel	0.22		0%	0%	R4- Recycling/reclamation of metals and metal compounds	1
191209	19- Minerals sand and stones	Inert Soil and Stone	19.3		0%	0%	R4- Recycling/reclamation of met	100
200108	20- Biodegradeable Kitchen and Canteen waste.	CAT3	1.665		0%	0%	D1-Deposit into or onto land	0
200201	20- Biodegradable waste	Biodegradeable waste	6.1		0%	0%	R3-Recycling/reclamation or orga	0
200138	20-Wood other than mentioned in 200137	Wood	67.45		0%	0%	R4- Recycling/reclamation of met	0
			48084.002	47919.317				

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

Yes	
-----	--

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

Yes	
-----	--

WASTE SUMMARY

Lic No:

W0253

Year

2015

Table 4 Environmental monitoring-landfill only [Landfill Manual-Monitoring Standards](#)

Was meteorological monitoring in compliance with Landfill Directive (LD) standard in reporting year +	Was leachate monitored in compliance with LD standard in reporting year	Was Landfill Gas monitored in compliance with LD standard in reporting year	Was SW monitored in compliance with LD standard in reporting year	Have GW trigger levels been established	Were emission limit values agreed with the Agency (ELVs)	Was topography of the site surveyed in reporting year	Has the statement under SS3(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
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	



[Guidance to completing the PRTR workbook](#)

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR	2015
-----------------------	------

1. FACILITY IDENTIFICATION

Parent Company Name	Clean (Irl) Refuse & Recycling Co
Facility Name	Clean (Irl) Refuse & Recycling Co.
PRTR Identification Number	W0253
Licence Number	W0253-01

Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Ballinagun West
Address 2	Cree
Address 3	County Clare
Address 4	
	Clare
Country	Ireland
Coordinates of Location	-9.44066409300 52.73670466900
River Basin District	IEGBNISH
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
AER Returns Contact Name	Criostoir Enright
AER Returns Contact Email Address	cenright@gmail.com
AER Returns Contact Position	Environmental officer
AER Returns Contact Telephone Number	065 9059092
AER Returns Contact Mobile Phone Number	0892551653
AER Returns Contact Fax Number	06509059330
Production Volume	0.0
Production Volume Units	
Number of Installations	0

Number of Operating Hours in Year	0
Number of Employees	22
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
50.1	General

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

Is it applicable?	
Have you been granted an exemption ?	
If applicable which activity class applies (as per Schedule 2 of the regulations) ?	
Is the reduction scheme compliance route being used ?	

4. WASTE IMPORTED/ACCEPTED ONTO SITE

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

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities) ?	
------------------------------------------------------------------------------------------------------------	--

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# : W0253 | Facility Name : Clean (Ir) Refuse & Recycling Co. | Filename : AER 2015 Cree JG edit Dec16 - Copy.xls | Return Year : 2015 |

12/12/2016 13:49

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
No. Annex II	Name	M/C/E	Method Used		Emission Point 1	QUANTITY		
			Method Code	Designation or Description		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 B : REMAINING PRTR POLLUTANTS

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

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

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

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

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

Additional Data Requested from Landfill operators

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

Landfill:	Clean (Ir) Refuse & Recycling Co.				
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](#)

| PRTR# : W0253 | Facility Name : Clean (Ir) Refuse & Recycling Co. | Filename : AER 2015 Cree JG edit Dec16 - Copy.xls | Return Year : 2015 |

12/12/2016 13:49

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		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 B : REMAINING PRTR POLLUTANTS

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

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

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

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		Method Used			QUANTITY			
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	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

4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

| PRTR#: W0253 | Facility Name : Clean (Ir) Refuse & Recycling Co. | Filename : AER 2015 (

12/12/2016 13:49

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 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 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 Code	Designation or Description	Emission Point 1	Emission Point 2	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
306	COD	M	ALT	G/03:Based on Apha, APHA, 2012, 22nd edition Method 5220D ISO 17025	44.75	130.0	174.75	0.0	0.0
303	BOD	M	ALT	G/04: Based on Apha, APHA 2012 22nd Edition Mehtod 5210-B ISO 17025	10.0	42.0	52.0	0.0	0.0
238	Ammonia (as N)	M	ALT	G/67: Based on APHA 2012 22nd edition 4500-NH3 and blue book Ammonia in water 1981 ISO17025	0.4625	3.235	3.6975	0.0	0.0
240	Suspended Solids	M	ALT	G19: Based on APHA 2012 22nd endtion method 2540D ISO 17025	16.5	49.75	66.25	0.0	0.0
343	Sulphate	M	ALT	ISO 17025 Based on sulphate in waters effluents and soil 2nd edition	73.25	198.25	271.5	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# : W0253 | Facility Name : Clean (Irl) Refuse & Recycling Co. | Filename : AER 2015 Cree JG edit Dec16 - Copy.xls | Return Year : 2015 |

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SECTION A : PRTR POLLUTANTS

POLLUTANT		METHOD			Please enter all quantities in this section in KGs		
RELEASES TO LAND		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		METHOD			Please enter all quantities in this section in KGs		
RELEASES TO LAND		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# : W0253 | Facility Name : Clean (Irl) Refuse & Recycling Co. | Filename : AER 2015 Cree JG edit Dec16 - Copy.xls | Return Year : 2015 |

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Please enter all quantities on this sheet in Tonnes

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Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility 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)
						M/C/E	Method Used					
To Other Countries	15 01 01	No	398.66	paper and cardboard packaging	R12	M	Weighed	Abroad	Peute Papier Recycling,DO 02.2017 MDO	Baanhoekweg 4 3313 ,LA,Dordrecht,,Netherlands		
To Other Countries	15 01 01	No	1166.3	paper and cardboard packaging	R12	M	Weighed	Abroad	Recycling UK,NSO/544843/B	11Alvaston Business Park,Middlewich Road,Natwich Cheshire,CW5 6PF,United Kingdom		
Within the Country	15 01 02	No	3.36	plastic packaging	R12	M	Weighed	Offsite in Ireland	Lenviron T/A Leinster Environmentals,WFP-LH-11-0002-01	TD,Haggardstown Dundalk,Co Louth,Ireland		
Within the Country	16 02 16	No	0.42	components removed from discarded equipment other than those mentioned in 16 02 15	R12	M	Weighed	Offsite in Ireland	KMK Metals Recycling,W0133-03	Road,Tullamore,Co. Offally,Ireland	KMK Metals Ltd,W0113-03,Cappincur industrial estate,Daingean road,Tullamore,Co Offally,Ireland	Cappincur industrial estate,Daingean road,Tullamore,Co Offally,Ireland
Within the Country	16 06 01	Yes	0.62	lead batteries	R12	M	Weighed	Offsite in Ireland	KMK Metals Recycling,W0133-03	Offally,Ireland		
Within the Country	17 02 01	No	1518.47	wood	R12	M	Weighed	Offsite in Ireland	OCR Waste Management Ltd,WFP-RN-10-0001-01	Roxborough,,Roscommon,,Ireland		
Within the Country	17 04 03	No	0.1	lead	R12	M	Weighed	Offsite in Ireland	Galway Metal Company,WFP-11-G-0005-01	Carrowmoneash,Oranmore,Galway ,,Ireland		
Within the Country	17 04 07	No	600.6	mixed metals	R12	M	Weighed	Offsite in Ireland	Galway Metal Company,WFP-11-G-0005-01	Carrowmoneash,Oranmore,Galway ,,Ireland		
Within the Country	17 08 02	No	64.24	gypsum-based construction materials other than those mentioned in 17 08 01	R12	M	Weighed	Offsite in Ireland	Allied Waste management Ltd,WFP-KE-08-0347-01	Unit 74A,Naas industrial estate,Naas ,Kildare,Ireland		
Within the Country	19 12 04	No	47.92	plastic and rubber	R12	M	Weighed	Offsite in Ireland	Barna Recycling,W0106-2 Clearplas Ireland	Carrowbrowne,Headford road,Galway,,Ireland		
Within the Country	19 12 04	No	66.44	plastic and rubber	R12	M	Weighed	Offsite in Ireland	Ltd,WFP/MH/14/0001/01	Gibstown ,Kells,meath,,Ireland		
To Other Countries	19 12 04	No	10.0	plastic and rubber	R12	M	Weighed	Abroad	Envirogreen Recycling Ltd,WMEX03/45	97 Mullaleish Road,Richill,Armagh,B61 9LT,United Kingdom		
Within the Country	19 12 04	No	17.02	plastic and rubber	R12	M	Weighed	Offsite in Ireland	Lenviron T/A Leinster Environmentals,WFP-LH-11-0002-01	TD,Haggardstown Dundalk,Co Louth,Ireland		
Within the Country	19 12 09	No	682.4	minerals (for example sand, stones)	R12	M	Weighed	Offsite in Ireland	Powerstown Landfill site,W0025-03	Kilkenny Road,,Co Carlow,,Ireland		
To Other Countries	20 01 01	No	787.94	paper and cardboard	R12	M	Weighed	Abroad	Peute Papier Recycling,DO 02.2017 MDO	Baanhoekweg 4 3313 ,LA,Dordrecht,,Netherlands		
To Other Countries	20 01 01	No	775.6	paper and cardboard	R12	M	Weighed	Abroad	Recycling UK,NSO/544843/B	11Alvaston Business Park,Middlewich Road,Natwich Cheshire,CW5 6PF,United Kingdom		
Within the Country	20 01 02	No	56.1	glass	R12	M	Weighed	Offsite in Ireland	John Gannon Concrete,WFP-WM-2009-007-01	Quarry,Haselwood,Kilbeggan ,Co Westmeath,Ireland		
Within the Country	20 01 36	No	9.18	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R12	M	Weighed	Offsite in Ireland	KMK Metals Recycling,W0133-03	Road,Tullamore,Co. Offally,Ireland		

Within the Country	20 01 39	No	41.16 plastics	R12	M	Weighed	Offsite in Ireland	Lenviron T/A Leinster Environmental, WFP-LH-11-0002-01	Clermount Business Park, Haynestown TD, Haggardstown Dundalk, Co Louth, Ireland 97 Mullaleish Road, Richill, Armagh, B61 9LT, United Kingdom		
Within the Country	20 01 39	No	10.82 plastics	R12	M	Weighed	Offsite in Ireland	Envirogreen Recycling Ltd, WME03/45 Galway Metal Company, WFP-11-G-0005-01	Carrowmoneash, Oranmore, Galway, Ireland		
Within the Country	20 01 40	No	1.7 metals	R12	M	Weighed	Offsite in Ireland	Barna Recycling, W0106-2 Killarney Waste disposal, W0217-01	Carrowbrowne, Headford road, Galway, Ireland		
Within the Country	20 02 01	No	13.75 biodegradable waste	R12	M	Weighed	Offsite in Ireland		Aughacurren, Killarney, Co. Kerry, Ireland		
Within the Country	20 03 01	No	8297.1 mixed municipal waste	R12	M	Weighed	Offsite in Ireland		Parsonstown Loughnacush Kilkeaskin, Drumond Timahoe west, Coolcarrigan, Carbury Co Kildare, Ireland		
Within the Country	20 03 01	No	6420.12 mixed municipal waste	R12	M	Weighed	Offsite in Ireland	Drehid Landfill, W0201-03	105 peterburi road, Maardu, 74114, Estonia		
To Other Countries	20 03 01	No	25713.51 mixed municipal waste	R12	M	Weighed	Abroad	Eesti Energia, 10421629 Powerstown Landfill site, W0025-03	Kilkenny Road, Co Carlow, Ireland		
Within the Country	20 03 01	No	768.16 mixed municipal waste	R12	M	Weighed	Offsite in Ireland		Parsonstown Loughnacush Kilkeaskin, Drumond Timahoe west, Coolcarrigan, Carbury Co Kildare, Ireland		
Within the Country	20 03 07	No	704.16 bulky waste	R12	M	Weighed	Offsite in Ireland	Drehid Landfill, W0201-03 Powerstown Landfill site, W0025-03	Kilkenny Road, Co Carlow, Ireland		
Within the Country	20 03 07	No	1278.38 bulky waste	R12	M	Weighed	Offsite in Ireland		Unit 4, Oberstown business park, Carragh road, Naas Co. Kildare, Ireland		
Within the Country	15 01 07	No	414.78 glass packaging	R12	M	Weighed	Offsite in Ireland	Glassco Recycling Ltd, WFP-KE-08-0357-01	Dunmoylan, Shanagolden, Limerick, Ireland		
Within the Country	20 01 08	No	609.9 biodegradable kitchen and canteen waste	R12	M	Weighed	Offsite in Ireland	McDonnell Farm Biogas Ltd, WFP/LK/2011/50/R2/T1	Carrowbrowne, Headford road, Galway, Ireland		
Within the Country	20 01 08	No	219.58 biodegradable kitchen and canteen waste	R12	M	Weighed	Offsite in Ireland	Barna Recycling, W0106-2 Arch Recycling, WFP-CE-11-0001-01	Crown, Crown, Lisseycasey, Co Clare, Ireland		
Within the Country	16 01 03	No	3.46 end-of-life tyres landfill leachate other than those mentioned	R12	M	Weighed	Offsite in Ireland	Clare Drains, NWCPO-13-11231-01	Quin Road, Business Park, Ennis, Clare, Ireland		
Within the Country	19 07 03	No	14.84 in 19 07 02	R12	M	Weighed	Offsite in Ireland				
Within the Country	13 05 08	Yes	mixtures of wastes from grit chambers and 9.46 oil/water separators	R12	M	Weighed	Offsite in Ireland	Clare Drains, NWCPO-13-11231-01	Quin Road, Business Park, Ennis, Clare, Ireland	ENVA Ireland, W0184-01, Clonminam Industrial estate, Portlaoise, Co Laois, Ireland	Clonminam Industrial estate, Portlaoise, Co Laois, Ireland

* 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](#)

[Link to Waste Guidance](#)

NACE_Group	NACE_SubGroup	NACE_Code	NACE_Description	NACE_ISIC
12	0	0	Manufacture of tobacco products	1200
36	0	0	Water collection, treatment and supply	3600
37	0	0	Sewerage	3700
39	0	0	Remediation activities and other waste management services	3900
75	0	0	Veterinary activities	7500
92	0	0	Gambling and betting activities	9200
97	0	0	Activities of households as employers of domestic personnel	9700
99	0	0	Activities of extraterritorial organisations and bodies	9900
02	1	0	Silviculture and other forestry activities	0210
05	1	0	Mining of hard coal	0510
06	1	0	Extraction of crude petroleum	0610
07	1	0	Mining of iron ores	0710
09	1	0	Support activities for petroleum and natural gas extraction	0910
13	1	0	Preparation and spinning of textile fibres	1311
16	1	0	Sawmilling and planing of wood	1610
19	1	0	Manufacture of coke oven products	1910
21	1	0	Manufacture of basic pharmaceutical products	2100*
24	1	0	Manufacture of basic iron and steel and of ferro-alloys	2410*
29	1	0	Manufacture of motor vehicles	2910
41	1	0	Development of building projects	4100*
49	1	0	Passenger rail transport, interurban	4911
50	1	0	Sea and coastal passenger water transport	5011
51	1	0	Passenger air transport	5110
52	1	0	Warehousing and storage	5210
53	1	0	Postal activities under universal service obligation	5310
55	1	0	Hotels and similar accommodation	5510*
56	1	0	Restaurants and mobile food service activities	5610
60	1	0	Radio broadcasting	6010
61	1	0	Wired telecommunications activities	6110
68	1	0	Buying and selling of own real estate	6810*
69	1	0	Legal activities	6910
70	1	0	Activities of head offices	7010
74	1	0	Specialised design activities	7410
78	1	0	Activities of employment placement agencies	7810
80	1	0	Private security activities	8010
81	1	0	Combined facilities support activities	8110
85	1	0	Pre-primary education	8510*
86	1	0	Hospital activities	8610
87	1	0	Residential nursing care activities	8710
88	1	0	Social work activities without accommodation for the elderly and disabled	8810

98	1	0	Undifferentiated goods-producing activities of private households for own use	9810
02	2	0	Logging	0220
05	2	0	Mining of lignite	0520
06	2	0	Extraction of natural gas	0620
10	2	0	Processing and preserving of fish, crustaceans and molluscs	1020
13	2	0	Weaving of textiles	1312
14	2	0	Manufacture of articles of fur	1420
15	2	0	Manufacture of footwear	1520
18	2	0	Reproduction of recorded media	1820
19	2	0	Manufacture of refined petroleum products	1920
20	2	0	Manufacture of pesticides and other agrochemical products	2021
21	2	0	Manufacture of pharmaceutical preparations	2100*
23	2	0	Manufacture of refractory products	2391
24	2	0	Manufacture of tubes, pipes, hollow profiles and related fittings, of steel	2410*
26	2	0	Manufacture of computers and peripheral equipment	2620
27	2	0	Manufacture of batteries and accumulators	2720
29	2	0	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers	2920
30	2	0	Manufacture of railway locomotives and rolling stock	3020
32	2	0	Manufacture of musical instruments	3220
33	2	0	Installation of industrial machinery and equipment	3320
41	2	0	Construction of residential and non-residential buildings	4100*
45	2	0	Maintenance and repair of motor vehicles	4520
49	2	0	Freight rail transport	4912
50	2	0	Sea and coastal freight water transport	5012
53	2	0	Other postal and courier activities	5320
55	2	0	Holiday and other short-stay accommodation	5510*
59	2	0	Sound recording and music publishing activities	5920
60	2	0	Television programming and broadcasting activities	6020
61	2	0	Wireless telecommunications activities	6120
64	2	0	Activities of holding companies	6420
65	2	0	Reinsurance	6520
68	2	0	Renting and operating of own or leased real estate	6810*
69	2	0	Accounting, bookkeeping and auditing activities; tax consultancy	6920
71	2	0	Technical testing and analysis	7120
72	2	0	Research and experimental development on social sciences and humanities	7220
73	2	0	Market research and public opinion polling	7320
74	2	0	Photographic activities	7420
78	2	0	Temporary employment agency activities	7820
80	2	0	Security systems service activities	8020
82	2	0	Activities of call centres	8220
85	2	0	Primary education	8510*

87	2	0	Residential care activities for mental retardation, mental health and substance abuse	8720
94	2	0	Activities of trade unions	9420
98	2	0	Undifferentiated service-producing activities of private households for own use	9820
01	3	0	Plant propagation	0130
02	3	0	Gathering of wild growing non-wood products	0230
13	3	0	Finishing of textiles	1313
20	3	0	Manufacture of paints, varnishes and similar coatings, printing ink and mastics	2022
25	3	0	Manufacture of steam generators, except central heating hot water boilers	2513
26	3	0	Manufacture of communication equipment	2630
28	3	0	Manufacture of agricultural and forestry machinery	2821
30	3	0	Manufacture of air and spacecraft and related machinery	3030
32	3	0	Manufacture of sports goods	3230
35	3	0	Steam and air conditioning supply	3530
47	3	0	Retail sale of automotive fuel in specialised stores	4730
50	3	0	Inland passenger water transport	5021
55	3	0	Camping grounds, recreational vehicle parks and trailer parks	5520
56	3	0	Beverage serving activities	5630
61	3	0	Satellite telecommunications activities	6130
64	3	0	Trusts, funds and similar financial entities	6430
65	3	0	Pension funding	6530
66	3	0	Fund management activities	6630
74	3	0	Translation and interpretation activities	7490*
78	3	0	Other human resources provision	7830
80	3	0	Investigation activities	8030
81	3	0	Landscape service activities	8130
82	3	0	Organisation of conventions and trade shows	8230
84	3	0	Compulsory social security activities	8430
87	3	0	Residential care activities for the elderly and disabled	8730
02	4	0	Support services to forestry	0240
25	4	0	Manufacture of weapons and ammunition	2520
26	4	0	Manufacture of consumer electronics	2640
27	4	0	Manufacture of electric lighting equipment	2740
30	4	0	Manufacture of military fighting vehicles	3040
32	4	0	Manufacture of games and toys	3240
45	4	0	Sale, maintenance and repair of motorcycles and related parts and accessories	4540
50	4	0	Inland freight water transport	5022
77	4	0	Leasing of intellectual property and similar products, except copyrighted works	7740
01	5	0	Mixed farming	0150
25	5	0	Forging, pressing, stamping and roll-forming of metal; powder metallurgy	2591
32	5	0	Manufacture of medical and dental instruments and supplies	3250
49	5	0	Transport via pipeline	4930

20	6	0	Manufacture of man-made fibres	2030
26	6	0	Manufacture of irradiation, electromedical and electrotherapeutic equipment	2660
85	6	0	Educational support activities	8550
01	7	0	Hunting, trapping and related service activities	0170
23	7	0	Cutting, shaping and finishing of stone	2396
26	7	0	Manufacture of optical instruments and photographic equipment	2670
26	8	0	Manufacture of magnetic and optical media	2680
09	9	0	Support activities for other mining and quarrying	0990
27	9	0	Manufacture of other electrical equipment	2790
46	9	0	Non-specialised wholesale trade	4690
55	9	0	Other accommodation	5590
61	9	0	Other telecommunications activities	6190
74	9	0	Other professional, scientific and technical activities n.e.c.	7490*
79	9	0	Other reservation service and related activities	7990
86	9	0	Other human health activities	8690
87	9	0	Other residential care activities	8790
11	0	1	Distilling, rectifying and blending of spirits	1101
31	0	1	Manufacture of office and shop furniture	3100*
62	0	1	Computer programming activities	6201
90	0	1	Performing arts	9000*
91	0	1	Library and archives activities	9101
96	0	1	Washing and (dry-)cleaning of textile and fur products	9601
01	1	1	Growing of cereals (except rice), leguminous crops and oil seeds	0111
03	1	1	Marine fishing	0311
08	1	1	Quarrying of ornamental and building stone, limestone, gypsum, chalk and slate	0810*
10	1	1	Processing and preserving of meat	1010*
14	1	1	Manufacture of leather clothes	1410*
15	1	1	Tanning and dressing of leather; dressing and dyeing of fur	1511
17	1	1	Manufacture of pulp	1701*
18	1	1	Printing of newspapers	1811*
20	1	1	Manufacture of industrial gases	2011*
22	1	1	Manufacture of rubber tyres and tubes; retreading and rebuilding of rubber tyres	2211
23	1	1	Manufacture of flat glass	2310*
25	1	1	Manufacture of metal structures and parts of structures	2511*
26	1	1	Manufacture of electronic components	2610*
27	1	1	Manufacture of electric motors, generators and transformers	2710*
28	1	1	Manufacture of engines and turbines, except aircraft, vehicle and cycle engines	2811
30	1	1	Building of ships and floating structures	3011
32	1	1	Striking of coins	3211*
33	1	1	Repair of fabricated metal products	3311
35	1	1	Production of electricity	3510*

38	1	1	Collection of non-hazardous waste	3811
42	1	1	Construction of roads and motorways	4210*
43	1	1	Demolition	4311
45	1	1	Sale of cars and light motor vehicles	4510*
46	1	1	Agents involved in the sale of agricultural raw materials, live animals, textile raw materials and semi-f	4610*
47	1	1	Retail sale in non-specialised stores with food, beverages or tobacco predominating	4711
58	1	1	Book publishing	5811
59	1	1	Motion picture, video and television programme production activities	5911
63	1	1	Data processing, hosting and related activities	6311
64	1	1	Central banking	6411
65	1	1	Life insurance	6511
66	1	1	Administration of financial markets	6611
71	1	1	Architectural activities	7110*
72	1	1	Research and experimental development on biotechnology	7210*
73	1	1	Advertising agencies	7310*
77	1	1	Renting and leasing of cars and light motor vehicles	7710*
79	1	1	Travel agency activities	7911
82	1	1	Combined office administrative service activities	8211
84	1	1	General public administration activities	8411
93	1	1	Operation of sports facilities	9311*
94	1	1	Activities of business and employers membership organisations	9411
95	1	1	Repair of computers and peripheral equipment	9511
01	2	1	Growing of grapes	0121
03	2	1	Marine aquaculture	0321
07	2	1	Mining of uranium and thorium ores	0721
16	2	1	Manufacture of veneer sheets and wood-based panels	1621
17	2	1	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	1702
22	2	1	Manufacture of plastic plates, sheets, tubes and profiles	2220*
25	2	1	Manufacture of central heating radiators and boilers	2512*
28	2	1	Manufacture of ovens, furnaces and furnace burners	2815
35	2	1	Manufacture of gas	3520*
38	2	1	Treatment and disposal of non-hazardous waste	3821
42	2	1	Construction of utility projects for fluids	4220*
43	2	1	Electrical installation	4321
46	2	1	Wholesale of grain, unmanufactured tobacco, seeds and animal feeds	4620*
47	2	1	Retail sale of fruit and vegetables in specialised stores	4721*
51	2	1	Freight air transport	5120*
52	2	1	Service activities incidental to land transportation	5221
56	2	1	Event catering activities	5621
58	2	1	Publishing of computer games	5820*
66	2	1	Risk and damage evaluation	6621

70	2	1	Public relations and communication activities	7020*
77	2	1	Renting and leasing of recreational and sports goods	7721
81	2	1	General cleaning of buildings	8121
84	2	1	Foreign affairs	8421
86	2	1	General medical practice activities	8620*
93	2	1	Activities of amusement parks and theme parks	9321
95	2	1	Repair of consumer electronics	9521
10	3	1	Processing and preserving of potatoes	1030*
14	3	1	Manufacture of knitted and crocheted hosiery	1430*
23	3	1	Manufacture of ceramic tiles and flags	2392*
24	3	1	Cold drawing of bars	2410*
27	3	1	Manufacture of fibre optic cables	2731
29	3	1	Manufacture of electrical and electronic equipment for motor vehicles	2930*
38	3	1	Dismantling of wrecks	3830*
43	3	1	Plastering	4330*
45	3	1	Wholesale trade of motor vehicle parts and accessories	4530*
46	3	1	Wholesale of fruit and vegetables	4630*
49	3	1	Urban and suburban passenger land transport	4921
68	3	1	Real estate agencies	6820*
77	3	1	Renting and leasing of agricultural machinery and equipment	7730*
85	3	1	General secondary education	8521
01	4	1	Raising of dairy cattle	0141*
10	4	1	Manufacture of oils and fats	1040*
20	4	1	Manufacture of soap and detergents, cleaning and polishing preparations	2023*
23	4	1	Manufacture of ceramic household and ornamental articles	2393*
24	4	1	Precious metals production	2420*
28	4	1	Manufacture of metal forming machinery	2822*
46	4	1	Wholesale of textiles	4641*
47	4	1	Retail sale of computers, peripheral units and software in specialised stores	4741*
49	4	1	Freight transport by road	4923*
85	4	1	Post-secondary non-tertiary education	8530*
10	5	1	Operation of dairies and cheese making	1050*
20	5	1	Manufacture of explosives	2029*
23	5	1	Manufacture of cement	2394*
24	5	1	Casting of iron	2431*
26	5	1	Manufacture of instruments and appliances for measuring, testing and navigation	2651
27	5	1	Manufacture of electric domestic appliances	2750*
46	5	1	Wholesale of computers, computer peripheral equipment and software	4651
47	5	1	Retail sale of textiles in specialised stores	4751
85	5	1	Sports and recreation education	8541
01	6	1	Support activities for crop production	0161

10	6	1	Manufacture of grain mill products	1061
23	6	1	Manufacture of concrete products for construction purposes	2395*
25	6	1	Treatment and coating of metals	2592*
46	6	1	Wholesale of agricultural machinery, equipment and supplies	4653
47	6	1	Retail sale of books in specialised stores	4761*
10	7	1	Manufacture of bread; manufacture of fresh pastry goods and cakes	1071*
25	7	1	Manufacture of cutlery	2593*
46	7	1	Wholesale of solid, liquid and gaseous fuels and related products	4661
47	7	1	Retail sale of clothing in specialised stores	4771*
10	8	1	Manufacture of sugar	1072
47	8	1	Retail sale via stalls and markets of food, beverages and tobacco products	4781
08	9	1	Mining of chemical and fertiliser minerals	0891
10	9	1	Manufacture of prepared feeds for farm animals	1080*
13	9	1	Manufacture of knitted and crocheted fabrics	1391
23	9	1	Production of abrasive products	2399*
25	9	1	Manufacture of steel drums and similar containers	2599*
28	9	1	Manufacture of machinery for metallurgy	2823
30	9	1	Manufacture of motorcycles	3091
32	9	1	Manufacture of brooms and brushes	3290*
42	9	1	Construction of water projects	4290*
43	9	1	Roofing activities	4390*
47	9	1	Retail sale via mail order houses or via Internet	4791
63	9	1	News agency activities	6391
64	9	1	Financial leasing	6491
82	9	1	Activities of collection agencies and credit bureaus	8291
88	9	1	Child day-care activities	8890*
94	9	1	Activities of religious organisations	9491
11	0	2	Manufacture of wine from grape	1102*
31	0	2	Manufacture of kitchen furniture	3100*
62	0	2	Computer consultancy activities	6202*
90	0	2	Support activities to performing arts	9000*
91	0	2	Museums activities	9102*
96	0	2	Hairdressing and other beauty treatment	9602
01	1	2	Growing of rice	0112
03	1	2	Freshwater fishing	0312
08	1	2	Operation of gravel and sand pits; mining of clays and kaolin	0810*
10	1	2	Processing and preserving of poultry meat	1010*
14	1	2	Manufacture of workwear	1410*
15	1	2	Manufacture of luggage, handbags and the like, saddlery and harness	1512
17	1	2	Manufacture of paper and paperboard	1701*
18	1	2	Other printing	1811*

20	1	2	Manufacture of dyes and pigments	2011*
23	1	2	Shaping and processing of flat glass	2310*
25	1	2	Manufacture of doors and windows of metal	2511*
26	1	2	Manufacture of loaded electronic boards	2610*
27	1	2	Manufacture of electricity distribution and control apparatus	2710*
28	1	2	Manufacture of fluid power equipment	2812
30	1	2	Building of pleasure and sporting boats	3012
32	1	2	Manufacture of jewellery and related articles	3211*
33	1	2	Repair of machinery	3312
35	1	2	Transmission of electricity	3510*
38	1	2	Collection of hazardous waste	3812
42	1	2	Construction of railways and underground railways	4210*
43	1	2	Site preparation	4312*
46	1	2	Agents involved in the sale of fuels, ores, metals and industrial chemicals	4610*
58	1	2	Publishing of directories and mailing lists	5812
59	1	2	Motion picture, video and television programme post-production activities	5912
63	1	2	Web portals	6312
65	1	2	Non-life insurance	6512
66	1	2	Security and commodity contracts brokerage	6612
71	1	2	Engineering activities and related technical consultancy	7110*
73	1	2	Media representation	7310*
77	1	2	Renting and leasing of trucks	7710*
79	1	2	Tour operator activities	7912
84	1	2	Regulation of the activities of providing health care, education, cultural services and other social servi	8412
93	1	2	Activities of sport clubs	9312
94	1	2	Activities of professional membership organisations	9412
95	1	2	Repair of communication equipment	9512
01	2	2	Growing of tropical and subtropical fruits	0122
03	2	2	Freshwater aquaculture	0322
16	2	2	Manufacture of assembled parquet floors	1622*
17	2	2	Manufacture of household and sanitary goods and of toilet requisites	1709*
22	2	2	Manufacture of plastic packing goods	2220*
28	2	2	Manufacture of lifting and handling equipment	2816
35	2	2	Distribution of gaseous fuels through mains	3520*
38	2	2	Treatment and disposal of hazardous waste	3822
42	2	2	Construction of utility projects for electricity and telecommunications	4220*
43	2	2	Plumbing, heat and air conditioning installation	4322
46	2	2	Wholesale of flowers and plants	4620*
47	2	2	Retail sale of meat and meat products in specialised stores	4721*
51	2	2	Space transport	5120*
52	2	2	Service activities incidental to water transportation	5222

66	2	2	Activities of insurance agents and brokers	6622
70	2	2	Business and other management consultancy activities	7020*
77	2	2	Renting of video tapes and disks	7722
81	2	2	Other building and industrial cleaning activities	8129*
84	2	2	Defence activities	8422
86	2	2	Specialist medical practice activities	8620*
95	2	2	Repair of household appliances and home and garden equipment	9522
10	3	2	Manufacture of fruit and vegetable juice	1030*
23	3	2	Manufacture of bricks, tiles and construction products, in baked clay	2392*
24	3	2	Cold rolling of narrow strip	2410*
27	3	2	Manufacture of other electronic and electric wires and cables	2732
29	3	2	Manufacture of other parts and accessories for motor vehicles	2930*
38	3	2	Recovery of sorted materials	3830*
43	3	2	Joinery installation	4330*
45	3	2	Retail trade of motor vehicle parts and accessories	4530*
46	3	2	Wholesale of meat and meat products	4630*
49	3	2	Taxi operation	4922*
68	3	2	Management of real estate on a fee or contract basis	6820*
77	3	2	Renting and leasing of construction and civil engineering machinery and equipment	7730*
85	3	2	Technical and vocational secondary education	8522
01	4	2	Raising of other cattle and buffaloes	0141*
10	4	2	Manufacture of margarine and similar edible fats	1040*
20	4	2	Manufacture of perfumes and toilet preparations	2023*
23	4	2	Manufacture of ceramic sanitary fixtures	2393*
24	4	2	Aluminium production	2420*
46	4	2	Wholesale of clothing and footwear	4641*
47	4	2	Retail sale of telecommunications equipment in specialised stores	4741*
49	4	2	Removal services	4923*
85	4	2	Tertiary education	8530*
10	5	2	Manufacture of ice cream	1050*
20	5	2	Manufacture of glues	2029*
23	5	2	Manufacture of lime and plaster	2394*
24	5	2	Casting of steel	2431*
26	5	2	Manufacture of watches and clocks	2652
27	5	2	Manufacture of non-electric domestic appliances	2750*
46	5	2	Wholesale of electronic and telecommunications equipment and parts	4652
47	5	2	Retail sale of hardware, paints and glass in specialised stores	4752
85	5	2	Cultural education	8542
01	6	2	Support activities for animal production	0162
10	6	2	Manufacture of starches and starch products	1062
23	6	2	Manufacture of plaster products for construction purposes	2395*

25	6	2	Machining	2592*
46	6	2	Wholesale of machine tools	4659*
47	6	2	Retail sale of newspapers and stationery in specialised stores	4761*
10	7	2	Manufacture of rusks and biscuits; manufacture of preserved pastry goods and cakes	1071*
25	7	2	Manufacture of locks and hinges	2593*
46	7	2	Wholesale of metals and metal ores	4662
47	7	2	Retail sale of footwear and leather goods in specialised stores	4771*
10	8	2	Manufacture of cocoa, chocolate and sugar confectionery	1073
47	8	2	Retail sale via stalls and markets of textiles, clothing and footwear	4782
08	9	2	Extraction of peat	0892
10	9	2	Manufacture of prepared pet foods	1080*
13	9	2	Manufacture of made-up textile articles, except apparel	1392
25	9	2	Manufacture of light metal packaging	2599*
28	9	2	Manufacture of machinery for mining, quarrying and construction	2824
30	9	2	Manufacture of bicycles and invalid carriages	3092
64	9	2	Other credit granting	6492
82	9	2	Packaging activities	8292
94	9	2	Activities of political organisations	9492
11	0	3	Manufacture of cider and other fruit wines	1102*
31	0	3	Manufacture of mattresses	3100*
62	0	3	Computer facilities management activities	6202*
90	0	3	Artistic creation	9000*
91	0	3	Operation of historical sites and buildings and similar visitor attractions	9102*
96	0	3	Funeral and related activities	9603
01	1	3	Growing of vegetables and melons, roots and tubers	0113
10	1	3	Production of meat and poultry meat products	1010*
14	1	3	Manufacture of other outerwear	1410*
18	1	3	Pre-press and pre-media services	1812*
20	1	3	Manufacture of other inorganic basic chemicals	2011*
23	1	3	Manufacture of hollow glass	2310*
28	1	3	Manufacture of other pumps and compressors	2813*
32	1	3	Manufacture of imitation jewellery and related articles	3212
33	1	3	Repair of electronic and optical equipment	3313
35	1	3	Distribution of electricity	3510*
42	1	3	Construction of bridges and tunnels	4210*
43	1	3	Test drilling and boring	4312*
46	1	3	Agents involved in the sale of timber and building materials	4610*
58	1	3	Publishing of newspapers	5813*
59	1	3	Motion picture, video and television programme distribution activities	5913
84	1	3	Regulation of and contribution to more efficient operation of businesses	8413
93	1	3	Fitness facilities	9311*

01	2	3	Growing of citrus fruits	0123
16	2	3	Manufacture of other builders' carpentry and joinery	1622*
17	2	3	Manufacture of paper stationery	1709*
22	2	3	Manufacture of builders' ware of plastic	2220*
28	2	3	Manufacture of office machinery and equipment (except computers and peripheral equipment)	2817
35	2	3	Trade of gas through mains	3520*
46	2	3	Wholesale of live animals	4620*
47	2	3	Retail sale of fish, crustaceans and molluscs in specialised stores	4721*
52	2	3	Service activities incidental to air transportation	5223
84	2	3	Justice and judicial activities	8423*
86	2	3	Dental practice activities	8620*
95	2	3	Repair of footwear and leather goods	9523
24	3	3	Cold forming or folding	2410*
27	3	3	Manufacture of wiring devices	2733
43	3	3	Floor and wall covering	4330*
46	3	3	Wholesale of dairy products, eggs and edible oils and fats	4630*
77	3	3	Renting and leasing of office machinery and equipment (including computers)	7730*
01	4	3	Raising of horses and other equines	0142
23	4	3	Manufacture of ceramic insulators and insulating fittings	2393*
24	4	3	Lead, zinc and tin production	2420*
46	4	3	Wholesale of electrical household appliances	4649*
47	4	3	Retail sale of audio and video equipment in specialised stores	4742
20	5	3	Manufacture of essential oils	2029*
24	5	3	Casting of light metals	2432*
47	5	3	Retail sale of carpets, rugs, wall and floor coverings in specialised stores	4753
85	5	3	Driving school activities	8549*
01	6	3	Post-harvest crop activities	0163
23	6	3	Manufacture of ready-mixed concrete	2395*
46	6	3	Wholesale of mining, construction and civil engineering machinery	4659*
47	6	3	Retail sale of music and video recordings in specialised stores	4762
10	7	3	Manufacture of macaroni, noodles, couscous and similar farinaceous products	1074
25	7	3	Manufacture of tools	2593*
46	7	3	Wholesale of wood, construction materials and sanitary equipment	4663*
47	7	3	Dispensing chemist in specialised stores	4772*
10	8	3	Processing of tea and coffee	1079*
08	9	3	Extraction of salt	0893
13	9	3	Manufacture of carpets and rugs	1393
25	9	3	Manufacture of wire products, chain and springs	2599*
28	9	3	Manufacture of machinery for food, beverage and tobacco processing	2825
11	0	4	Manufacture of other non-distilled fermented beverages	1102*
90	0	4	Operation of arts facilities	9000*

91	0	4	Botanical and zoological gardens and nature reserves activities	9103
96	0	4	Physical well-being activities	9609*
01	1	4	Growing of sugar cane	0114
14	1	4	Manufacture of underwear	1410*
18	1	4	Binding and related services	1812*
20	1	4	Manufacture of other organic basic chemicals	2011*
23	1	4	Manufacture of glass fibres	2310*
28	1	4	Manufacture of other taps and valves	2813*
33	1	4	Repair of electrical equipment	3314
35	1	4	Trade of electricity	3510*
46	1	4	Agents involved in the sale of machinery, industrial equipment, ships and aircraft	4610*
58	1	4	Publishing of journals and periodicals	5813*
59	1	4	Motion picture projection activities	5914
01	2	4	Growing of pome fruits and stone fruits	0124
16	2	4	Manufacture of wooden containers	1623
17	2	4	Manufacture of wallpaper	1709*
28	2	4	Manufacture of power-driven hand tools	2818
46	2	4	Wholesale of hides, skins and leather	4620*
47	2	4	Retail sale of bread, cakes, flour confectionery and sugar confectionery in specialised stores	4721*
52	2	4	Cargo handling	5224
84	2	4	Public order and safety activities	8423*
95	2	4	Repair of furniture and home furnishings	9524
24	3	4	Cold drawing of wire	2410*
43	3	4	Painting and glazing	4330*
46	3	4	Wholesale of beverages	4630*
77	3	4	Renting and leasing of water transport equipment	7730*
01	4	4	Raising of camels and camelids	0143
23	4	4	Manufacture of other technical ceramic products	2393*
24	4	4	Copper production	2420*
46	4	4	Wholesale of china and glassware and cleaning materials	4649*
24	5	4	Casting of other non-ferrous metals	2432*
47	5	4	Retail sale of electrical household appliances in specialised stores	4759*
01	6	4	Seed processing for propagation	0164
23	6	4	Manufacture of mortars	2395*
46	6	4	Wholesale of machinery for the textile industry and of sewing and knitting machines	4659*
47	6	4	Retail sale of sporting equipment in specialised stores	4763
46	7	4	Wholesale of hardware, plumbing and heating equipment and supplies	4663*
47	7	4	Retail sale of medical and orthopaedic goods in specialised stores	4772*
10	8	4	Manufacture of condiments and seasonings	1079*
13	9	4	Manufacture of cordage, rope, twine and netting	1394
25	9	4	Manufacture of fasteners and screw machine products	2599*

28	9	4	Manufacture of machinery for textile, apparel and leather production	2826
11	0	5	Manufacture of beer	1103*
01	1	5	Growing of tobacco	0115
20	1	5	Manufacture of fertilisers and nitrogen compounds	2012
28	1	5	Manufacture of bearings, gears, gearing and driving elements	2814
33	1	5	Repair and maintenance of ships and boats	3315*
46	1	5	Agents involved in the sale of furniture, household goods, hardware and ironmongery	4610*
01	2	5	Growing of other tree and bush fruits and nuts	0125
28	2	5	Manufacture of non-domestic cooling and ventilation equipment	2819*
47	2	5	Retail sale of beverages in specialised stores	4722
84	2	5	Fire service activities	8423*
95	2	5	Repair of watches, clocks and jewellery	9529*
46	3	5	Wholesale of tobacco products	4630*
77	3	5	Renting and leasing of air transport equipment	7730*
01	4	5	Raising of sheep and goats	0144
24	4	5	Other non-ferrous metal production	2420*
46	4	5	Wholesale of perfume and cosmetics	4649*
23	6	5	Manufacture of fibre cement	2395*
46	6	5	Wholesale of office furniture	4659*
47	6	5	Retail sale of games and toys in specialised stores	4764
46	7	5	Wholesale of chemical products	4669*
47	7	5	Retail sale of cosmetic and toilet articles in specialised stores	4772*
10	8	5	Manufacture of prepared meals and dishes	1075
13	9	5	Manufacture of non-wovens and articles made from non-wovens, except apparel	1399*
28	9	5	Manufacture of machinery for paper and paperboard production	2829*
11	0	6	Manufacture of malt	1103*
01	1	6	Growing of fibre crops	0116
20	1	6	Manufacture of plastics in primary forms	2013*
33	1	6	Repair and maintenance of aircraft and spacecraft	3315*
46	1	6	Agents involved in the sale of textiles, clothing, fur, footwear and leather goods	4610*
01	2	6	Growing of oleaginous fruits	0126
47	2	6	Retail sale of tobacco products in specialised stores	4723
46	3	6	Wholesale of sugar and chocolate and sugar confectionery	4630*
01	4	6	Raising of swine/pigs	0145
24	4	6	Processing of nuclear fuel	2420*
46	4	6	Wholesale of pharmaceutical goods	4649*
46	6	6	Wholesale of other office machinery and equipment	4659*
46	7	6	Wholesale of other intermediate products	4669*
47	7	6	Retail sale of flowers, plants, seeds, fertilisers, pet animals and pet food in specialised stores	4773*
10	8	6	Manufacture of homogenised food preparations and dietetic food	1079*
13	9	6	Manufacture of other technical and industrial textiles	1399*

28	9	6	Manufacture of plastic and rubber machinery	2829*
11	0	7	Manufacture of soft drinks; production of mineral waters and other bottled waters	1104
20	1	7	Manufacture of synthetic rubber in primary forms	2013*
33	1	7	Repair and maintenance of other transport equipment	3315*
46	1	7	Agents involved in the sale of food, beverages and tobacco	4610*
01	2	7	Growing of beverage crops	0127
46	3	7	Wholesale of coffee, tea, cocoa and spices	4630*
01	4	7	Raising of poultry	0146
46	4	7	Wholesale of furniture, carpets and lighting equipment	4649*
46	7	7	Wholesale of waste and scrap	4669*
47	7	7	Retail sale of watches and jewellery in specialised stores	4773*
46	1	8	Agents specialised in the sale of other particular products	4610*
01	2	8	Growing of spices, aromatic, drug and pharmaceutical crops	0128
46	3	8	Wholesale of other food, including fish, crustaceans and molluscs	4630*
46	4	8	Wholesale of watches and jewellery	4649*
47	7	8	Other retail sale of new goods in specialised stores	4773*
31	0	9	Manufacture of other furniture	3100*
62	0	9	Other information technology and computer service activities	6209
96	0	9	Other personal service activities n.e.c.	9609*
01	1	9	Growing of other non-perennial crops	0119
14	1	9	Manufacture of other wearing apparel and accessories	1410*
22	1	9	Manufacture of other rubber products	2219
23	1	9	Manufacture and processing of other glass, including technical glassware	2310*
33	1	9	Repair of other equipment	3319
45	1	9	Sale of other motor vehicles	4510*
46	1	9	Agents involved in the sale of a variety of goods	4610*
47	1	9	Other retail sale in non-specialised stores	4719
58	1	9	Other publishing activities	5819
64	1	9	Other monetary intermediation	6419
66	1	9	Other activities auxiliary to financial services, except insurance and pension funding	6619
72	1	9	Other research and experimental development on natural sciences and engineering	7210*
82	1	9	Photocopying, document preparation and other specialised office support activities	8219
93	1	9	Other sports activities	9319
01	2	9	Growing of other perennial crops	0129
07	2	9	Mining of other non-ferrous metal ores	0729
16	2	9	Manufacture of other products of wood; manufacture of articles of cork, straw and plaiting materials	1629
17	2	9	Manufacture of other articles of paper and paperboard	1709*
22	2	9	Manufacture of other plastic products	2220*
25	2	9	Manufacture of other tanks, reservoirs and containers of metal	2512*
28	2	9	Manufacture of other general-purpose machinery n.e.c.	2819*
43	2	9	Other construction installation	4329

47	2	9	Other retail sale of food in specialised stores	4721*
52	2	9	Other transportation support activities	5229
56	2	9	Other food service activities	5629
58	2	9	Other software publishing	5820*
66	2	9	Other activities auxiliary to insurance and pension funding	6629
77	2	9	Renting and leasing of other personal and household goods	7729
81	2	9	Other cleaning activities	8129*
93	2	9	Other amusement and recreation activities	9329
95	2	9	Repair of other personal and household goods	9529*
10	3	9	Other processing and preserving of fruit and vegetables	1030*
14	3	9	Manufacture of other knitted and crocheted apparel	1430*
43	3	9	Other building completion and finishing	4330*
46	3	9	Non-specialised wholesale of food, beverages and tobacco	4630*
49	3	9	Other passenger land transport n.e.c.	4922*
77	3	9	Renting and leasing of other machinery, equipment and tangible goods n.e.c.	7730*
01	4	9	Raising of other animals	0149
23	4	9	Manufacture of other ceramic products	2393*
28	4	9	Manufacture of other machine tools	2822*
46	4	9	Wholesale of other household goods	4649*
20	5	9	Manufacture of other chemical products n.e.c.	2029*
47	5	9	Retail sale of furniture, lighting equipment and other household articles in specialised stores	4759*
85	5	9	Other education n.e.c.	8549*
23	6	9	Manufacture of other articles of concrete, plaster and cement	2395*
46	6	9	Wholesale of other machinery and equipment	4659*
47	7	9	Retail sale of second-hand goods in stores	4774
10	8	9	Manufacture of other food products n.e.c.	1079*
47	8	9	Retail sale via stalls and markets of other goods	4789
08	9	9	Other mining and quarrying n.e.c.	0899
13	9	9	Manufacture of other textiles n.e.c.	1399*
23	9	9	Manufacture of other non-metallic mineral products n.e.c.	2399*
25	9	9	Manufacture of other fabricated metal products n.e.c.	2599*
28	9	9	Manufacture of other special-purpose machinery n.e.c.	2829*
30	9	9	Manufacture of other transport equipment n.e.c.	3099
32	9	9	Other manufacturing n.e.c.	3290*
42	9	9	Construction of other civil engineering projects n.e.c.	4290*
43	9	9	Other specialised construction activities n.e.c.	4390*
47	9	9	Other retail sale not in stores, stalls or markets	4799
63	9	9	Other information service activities n.e.c.	6399
64	9	9	Other financial service activities, except insurance and pension funding n.e.c.	6499
82	9	9	Other business support service activities n.e.c.	8299
88	9	9	Other social work activities without accommodation n.e.c.	8890*

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Activities of other membership organisations n.e.c.

9499

Activity_Group	Activity_SubGroup	Activity_Code	Activity_Name	Capacity_Threshold
1	NA	a	Mineral oil and gas refineries	
1	NA	b	Installations for gasification and liquefaction	
1	NA	c	Thermal power stations and other combustion installations	With a heat input of 50 megawatts (MW)
1	NA	d	Coke ovens	
1	NA	e	Coal rolling mills	With a capacity of 1 tonne per hour
1	NA	f	Installations for the manufacture of coal products and solid smokeless fuel	
2	c	i	Hot-rolling mills	With a capacity of 20 tonnes of crude steel per hour per hour
2	c	ii	Smitheries with hammers	With an energy of 50 kilojoules per hammer, where the calorific power used exceeds 20 MW
2	c	iii	Application of protective fused metal coats	With an input of 2 tonnes of crude steel per hour
2	e	i	For the production of non-ferrous crude metals from ore, concentrates or secondary raw materials by metallurgical, chemical or electrolytic processes	
2	e	ii	For the smelting, including the alloying, of non-ferrous metals, including recovered products (refining, With a melting capacity of 4 tonnes per day for lead and cadmium or 20 tonnes per day for all other metals	
2	NA	a	Metal ore (including sulphide ore) roasting or sintering installations	
2	NA	b	Installations for the production of pig iron or steel (primary or secondary melting) including continuous hot-rolling mills	With a capacity of 2,5 tonnes per hour
2	NA	c	Smitheries with hammers	
2	NA	d	Application of protective fused metal coats	
2	NA	e	Ferrous metal foundries	With a production capacity of 20 tonnes per day
2	NA	f	Installations for surface treatment of metals and plastic materials using an electrolytic or chemical process	Where the volume of the treatment vats equals 30 m3
3	c	i	Cement clinker in rotary kilns	With a production capacity of 500 tonnes per day
3	c	ii	Lime in rotary kilns	With a production capacity of 50 tonnes per day
3	c	iii	Mineral Industry Cement clinker or lime in other furnaces	With a production capacity of 50 tonnes per day
3	NA	a	Underground mining and related operations	
3	NA	b	Opencast mining and quarrying	Where the surface of the area effectively under extractive operation equals 25 hectares
3	NA	d	Installations for the production of asbestos and the manufacture of asbestos-based products	
3	NA	e	Installations for the manufacture of glass, including glass fibre	With a melting capacity of 20 tonnes per day
3	NA	f	Installations for melting mineral substances, including the production of mineral fibres	With a melting capacity of 20 tonnes per day
3	NA	g	Installations for the manufacture of ceramic products by firing, in particular roofing tiles, bricks, refractory products	With a production capacity of 75 tonnes per day, or with a kiln capacity of 4 m3 and with a setting density per kiln
4	a	i	Simple hydrocarbons (linear or cyclic, saturated or unsaturated, aliphatic or aromatic)	
4	a	ii	Oxygen-containing hydrocarbons such as alcohols, aldehydes, ketones, carboxylic acids, esters, acetates, ethers, peroxides, epoxy resins	
4	a	iii	Sulphurous hydrocarbons	
4	a	iv	Nitrogenous hydrocarbons such as amines, amides, nitrous compounds, nitro compounds or nitrate compounds, nitriles, cyanates, isocyanates	
4	a	ix	Synthetic rubbers	
4	a	v	Phosphorus-containing hydrocarbons	
4	a	vi	Halogenic hydrocarbons	
4	a	vii	Organometallic compounds	
4	a	viii	Basic plastic materials (polymers, synthetic fibres and cellulose-based fibres)	
4	a	x	Dyes and pigments	
4	a	xi	Surface-active agents and surfactants	
4	b	i	Gases, such as ammonia, chlorine or hydrogen chloride, fluorine or hydrogen fluoride, carbon oxides, sulphur compounds, nitrogen oxides, hydrogen, sulphur dioxide, carbonyl chloride	
4	b	ii	Acids, such as chromic acid, hydrofluoric acid, phosphoric acid, nitric acid, hydrochloric acid, sulphuric acid, oleum, sulphurous acids	
4	b	iii	Bases, such as ammonium hydroxide, potassium hydroxide, sodium hydroxide	
4	b	iv	Salts, such as ammonium chloride, potassium chlorate, potassium carbonate, perborate, silver nitrate	
4	b	v	Non-metals, metal oxides or other inorganic compounds such as calcium carbide, silicon, silicon carbide	
4	NA	a	Simple hydrocarbons (linear or cyclic, saturated or unsaturated, aliphatic or aromatic), Oxygen-containing hydrocarbons such as alcohols, aldehydes, ketones, carboxylic acids, esters, acetates, ethers, peroxides, epoxy resins	
4	NA	b	Gases, such as ammonia, chlorine or hydrogen chloride, fluorine or hydrogen fluoride, carbon oxides, sulphur compounds, nitrogen oxides, hydrogen, sulphur dioxide, carbonyl chloride, Acids, such as chromic acid, hydrofluoric acid, phosphoric acid, nitric acid, hydrochloric acid, sulphuric acid, oleum, sulphurous acids	
4	NA	c	Chemical installations for the production on an industrial scale of phosphorous-, nitrogen- or potassium-based fertilisers (simple or compound fertilisers)	
4	NA	d	Chemical installations for the production on an industrial scale of basic plant health products and of biocides	
4	NA	e	Installations using a chemical or biological process for the production on an industrial scale of basic pharmaceutical products	
4	NA	f	Installations for the production on an industrial scale of explosives and pyrotechnic products	
5	NA	a	Installations for the recovery or disposal of hazardous waste	Receiving 10 tonnes per day
5	NA	b	Installations for the incineration of non-hazardous waste in the scope of Directive 2000/76/EC of the Council	With a capacity of 3 tonnes per hour
5	NA	c	Installations for the disposal of non-hazardous waste	With a capacity of 50 tonnes per day
5	NA	d	Landfills	Receiving 10 tonnes per day or with a total capacity of 25 000 tonnes
5	NA	e	Installations for the disposal or recycling of animal carcasses and animal waste	With a treatment capacity of 10 tonnes per day
5	NA	f	Urban waste-water treatment plants	With a capacity of 100 000 population equivalents
5	NA	g	Independently operated industrial waste-water treatment plants which serve one or more activities of the industrial sector	With a capacity of 10 000 m3 per day
50	NA	1	General	
6	NA	a	Industrial plants for the production of pulp from timber or similar fibrous materials	
6	NA	b	Industrial plants for the production of paper and board and other primary wood products (such as chipboard, particleboard, fibreboard)	With a production capacity of 20 tonnes per day
6	NA	c	Industrial plants for the preservation of wood and wood products with chemicals	With a production capacity of 50 m3 per day
7	a	i	Installations for the intensive rearing of poultry or pigs (i)	With 40 000 places for poultry
7	a	ii	Installations for the intensive rearing of poultry or pigs (ii)	With 2 000 places for production pigs (over 30 kg)
7	a	iii	Installations for the intensive rearing of poultry or pigs (iii)	With 750 places for sows
7	NA	b	Intensive aquaculture	With a production capacity of 1 000 tonnes of fish or shellfish per year
8	b	i	Animal raw materials (other than milk)	With a finished product production capacity of 75 tonnes per day
8	b	ii	Vegetable raw materials	With a finished product production capacity of 300 tonnes per day (average value on a quarterly basis)
8	NA	a	Slaughterhouses	With a carcass production capacity of 50 tonnes per day
8	NA	c	Treatment and processing of milk	With a capacity to receive 200 tonnes of milk per day (average value on an annual basis)
9	NA	a	Plants for the production of paper and board and other primary wood products (such as chipboard, particleboard, fibreboard)	With a production capacity of 20 tonnes per day

Emission Type : Air

Category Specific PRTR Pollutants

Pollutant_Number	Pollutant_Name	Pollutant_Lookup
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Remaining PRTR Pollutants

Pollutant_Number	Pollutant_Name	Pollutant_Lookup
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55	1,1,1-trichloroethane	55 - 1,1,1-trichloroethane
56	1,1,2,2-tetrachloroethane	56 - 1,1,2,2-tetrachloroethane
44	1,2,3,4,5,6-hexachlorocyclohexane	44 - 1,2,3,4,5,6-hexachlorocyclohexane
34	1,2-dichloroethane (EDC)	34 - 1,2-dichloroethane (EDC)
26	Aldrin	26 - Aldrin
06	Ammonia (NH3)	06 - Ammonia (NH3)
61	Anthracene	61 - Anthracene
17	Arsenic and compounds (as As)	17 - Arsenic and compounds (as As)
81	Asbestos	81 - Asbestos
62	Benzene	62 - Benzene
18	Cadmium and compounds (as Cd)	18 - Cadmium and compounds (as Cd)
03	Carbon dioxide (CO2)	03 - Carbon dioxide (CO2)
02	Carbon monoxide (CO)	02 - Carbon monoxide (CO)
28	Chlordane	28 - Chlordane
29	Chlordecone	29 - Chlordecone
79	Chlorides (as Cl)	79 - Chlorides (as Cl)
80	Chlorine and inorganic compounds (as Cl2)	80 - Chlorine and inorganic compounds (as Cl2)
15	Chlorofluorocarbons (CFCs)	15 - Chlorofluorocarbons (CFCs)
19	Chromium and compounds (as Cr)	19 - Chromium and compounds (as Cr)
20	Copper and compounds (as Cu)	20 - Copper and compounds (as Cu)
33	DDT	33 - DDT
70	Di-(2-ethyl hexyl) phthalate (DEHP)	70 - Di-(2-ethyl hexyl) phthalate (DEHP)
35	Dichloromethane (DCM)	35 - Dichloromethane (DCM)
36	Dieldrin	36 - Dieldrin
39	Endrin	39 - Endrin
65	Ethyl benzene	65 - Ethyl benzene
66	Ethylene oxide	66 - Ethylene oxide
84	Fluorine and inorganic compounds (as HF)	84 - Fluorine and inorganic compounds (as HF)
40	Halogenated organic compounds (as AOX)	40 - Halogenated organic compounds (as AOX)
16	Halons	16 - Halons
41	Heptachlor	41 - Heptachlor
90	Hexabromobiphenyl	90 - Hexabromobiphenyl
42	Hexachlorobenzene (HCB)	42 - Hexachlorobenzene (HCB)
04	Hydro-fluorocarbons (HFCs)	04 - Hydro-fluorocarbons (HFCs)

Air Lookup

From Row A	4
To Row A	4
Start Cell A	3
From Row B	7
To Row B	72
Start Cell B	6

Water Lookup

From Row A	76
To Row A	76
Start Cell A	75
From Row B	79
To Row B	150
Start Cell B	78

Offsite Xfers Lookup

From Row	154
To Row	244
Start Cell	153

Land Lookup

From Row	248
To Row	338
Start Cell	247

14	Hydrochlorofluorocarbons (HCFCs)	14 - Hydrochlorofluorocarbons (HCFCs)
85	Hydrogen cyanide (HCN)	85 - Hydrogen cyanide (HCN)
23	Lead and compounds (as Pb)	23 - Lead and compounds (as Pb)
45	Lindane	45 - Lindane
21	Mercury and compounds (as Hg)	21 - Mercury and compounds (as Hg)
01	Methane (CH4)	01 - Methane (CH4)
46	Mirex	46 - Mirex
68	Naphthalene	68 - Naphthalene
22	Nickel and compounds (as Ni)	22 - Nickel and compounds (as Ni)
08	Nitrogen oxides (NOx/NO2)	08 - Nitrogen oxides (NOx/NO2)
05	Nitrous oxide (N2O)	05 - Nitrous oxide (N2O)
07	Non-methane volatile organic compounds (NMVOC)	07 - Non-methane volatile organic compounds (NMVOC)
86	Particulate matter (PM10)	86 - Particulate matter (PM10)
47	PCDD + PCDF (dioxins + furans)	47 - PCDD + PCDF (dioxins + furans)(as Teq)
48	Pentachlorobenzene	48 - Pentachlorobenzene
49	Pentachlorophenol (PCP)	49 - Pentachlorophenol (PCP)
09	Perfluorocarbons (PFCs)	09 - Perfluorocarbons (PFCs)
71	Phenols (as total C)	71 - Phenols (as total C)
50	Polychlorinated biphenyls (PCBs)	50 - Polychlorinated biphenyls (PCBs)
72	Polycyclic aromatic hydrocarbons (PAHs)	72 - Polycyclic aromatic hydrocarbons (PAHs)
10	Sulphur hexafluoride (SF6)	10 - Sulphur hexafluoride (SF6)
11	Sulphur oxides (SOx/SO2)	11 - Sulphur oxides (SOx/SO2)
52	Tetrachloroethylene (PER)	52 - Tetrachloroethylene (PER)
53	Tetrachloromethane (TCM)	53 - Tetrachloromethane (TCM)
73	Toluene	73 - Toluene
59	Toxaphene	59 - Toxaphene
54	Trichlorobenzenes (TCBs)(all isomers)	54 - Trichlorobenzenes (TCBs)(all isomers)
57	Trichloroethylene	57 - Trichloroethylene
58	Trichloromethane	58 - Trichloromethane
60	Vinyl chloride	60 - Vinyl chloride
78	Xylenes	78 - Xylenes
24	Zinc and compounds (as Zn)	24 - Zinc and compounds (as Zn)

Emission Type : Water

Category Specific PRTR Pollutants

Pollutant_Number	Pollutant_Name	Pollutant_Lookup
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Remaining PRTR Pollutants

Pollutant_Number	Pollutant_Name	Pollutant_Lookup
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44	1,2,3,4,5,6-hexachlorocyclohexane(HCH)	44 - 1,2,3,4,5,6-hexachlorocyclohexane(HCH)
34	1,2-dichloroethane (EDC)	34 - 1,2-dichloroethane (EDC)

25	Alachlor	25 - Alachlor
26	Aldrin	26 - Aldrin
61	Anthracene	61 - Anthracene
17	Arsenic and compounds (as A	17 - Arsenic and compounds (as As)
81	Asbestos	81 - Asbestos
27	Atrazine	27 - Atrazine
62	Benzene	62 - Benzene
91	Benzo(g,h,i)perylene	91 - Benzo(g,h,i)perylene
63	Brominated diphenylethers (PBDE)	63 - Brominated diphenylethers (PBDE)
18	Cadmium and compounds (as	18 - Cadmium and compounds (as Cd)
28	Chlordane	28 - Chlordane
29	Chlordecone	29 - Chlordecone
30	Chlorfenvinphos	30 - Chlorfenvinphos
79	Chlorides (as Cl)	79 - Chlorides (as Cl)
31	Chloro-alkanes, C10-C13	31 - Chloro-alkanes, C10-C13
32	Chlorpyrifos	32 - Chlorpyrifos
19	Chromium and compounds (a	19 - Chromium and compounds (as Cr)
20	Copper and compounds (as C	20 - Copper and compounds (as Cu)
82	Cyanides (as total CN)	82 - Cyanides (as total CN)
33	DDT	33 - DDT
70	Di-(2-ethyl hexyl) phthalate (D	70 - Di-(2-ethyl hexyl) phthalate (DEHP)
35	Dichloromethane (DCM)	35 - Dichloromethane (DCM)
36	Dieldrin	36 - Dieldrin
37	Diuron	37 - Diuron
38	Endosulphan	38 - Endosulphan
39	Endrin	39 - Endrin
65	Ethyl benzene	65 - Ethyl benzene
66	Ethylene oxide	66 - Ethylene oxide
88	Fluoranthene	88 - Fluoranthene
83	Fluorides (as total F)	83 - Fluorides (as total F)
40	Halogenated organic compou	40 - Halogenated organic compounds (as AOX)
41	Heptachlor	41 - Heptachlor
90	Hexabromobiphenyl	90 - Hexabromobiphenyl
42	Hexachlorobenzene (HCB)	42 - Hexachlorobenzene (HCB)
43	Hexachlorobutadiene (HCB	43 - Hexachlorobutadiene (HCB)
89	Isodrin	89 - Isodrin
67	Isoproturon	67 - Isoproturon
23	Lead and compounds (as Pb)	23 - Lead and compounds (as Pb)
45	Lindane	45 - Lindane
21	Mercury and compounds (as	21 - Mercury and compounds (as Hg)

46	Mirex	46 - Mirex
68	Naphthalene	68 - Naphthalene
22	Nickel and compounds (as Ni)	22 - Nickel and compounds (as Ni)
07	Non-methane volatile organic	07 - Non-methane volatile organic compounds (NMVOC)
64	Nonylphenol and Nonylphenol	64 - Nonylphenol and Nonylphenol ethoxylates (NP/NPEs)
87	Octylphenols and Octylphenol	87 - Octylphenols and Octylphenol ethoxylates
69	Organotin compounds (as tota	69 - Organotin compounds (as total Sn)
47	PCDD + PCDF (dioxins + fura	47 - PCDD + PCDF (dioxins + furans)(as Teq)
48	Pentachlorobenzene	48 - Pentachlorobenzene
49	Pentachlorophenol (PCP)	49 - Pentachlorophenol (PCP)
71	Phenols (as total C)	71 - Phenols (as total C)
50	Polychlorinated biphenyls (PC	50 - Polychlorinated biphenyls (PCBs)
72	Polycyclic aromatic hydrocarb	72 - Polycyclic aromatic hydrocarbons (PAHs)
51	Simazine	51 - Simazine
52	Tetrachloroethylene (PER)	52 - Tetrachloroethylene (PER)
53	Tetrachloromethane (TCM)	53 - Tetrachloromethane (TCM)
73	Toluene	73 - Toluene
12	Total nitrogen	12 - Total nitrogen
76	Total organic carbon (TOC) (a	76 - Total organic carbon (TOC) (as total C or COD/3)
13	Total phosphorus	13 - Total phosphorus
59	Toxaphene	59 - Toxaphene
74	Tributyltin and compounds	74 - Tributyltin and compounds
54	Trichlorobenzenes (TCBs)(all	54 - Trichlorobenzenes (TCBs)(all isomers)
57	Trichloroethylene	57 - Trichloroethylene
58	Trichloromethane	58 - Trichloromethane
77	Trifluralin	77 - Trifluralin
75	Triphenyltin and compounds	75 - Triphenyltin and compounds
60	Vinyl chloride	60 - Vinyl chloride
78	Xylenes	78 - Xylenes
24	Zinc and compounds (as Zn)	24 - Zinc and compounds (as Zn)

Emission Type : Offsite Transfers

PRTR Pollutants

Pollutant_Number	Pollutant_Name	Pollutant_Lookup
55	1,1,1-trichloroethane	55 - 1,1,1-trichloroethane
56	1,1,2,2-tetrachloroethane	56 - 1,1,2,2-tetrachloroethane
44	1,2,3,4,5,6-hexachlorocyclohe	44 - 1,2,3,4,5,6-hexachlorocyclohexane(HCH)
34	1,2-dichloroethane (EDC)	34 - 1,2-dichloroethane (EDC)
25	Alachlor	25 - Alachlor
26	Aldrin	26 - Aldrin
06	Ammonia (NH3)	06 - Ammonia (NH3)

61	Anthracene	61 - Anthracene
17	Arsenic and compounds (as A	17 - Arsenic and compounds (as As)
81	Asbestos	81 - Asbestos
27	Atrazine	27 - Atrazine
62	Benzene	62 - Benzene
91	Benzo(g,h,i)perylene	91 - Benzo(g,h,i)perylene
63	Brominated diphenylethers (PBDE)	63 - Brominated diphenylethers (PBDE)
18	Cadmium and compounds (as Cd)	18 - Cadmium and compounds (as Cd)
03	Carbon dioxide (CO ₂)	03 - Carbon dioxide (CO ₂)
02	Carbon monoxide (CO)	02 - Carbon monoxide (CO)
28	Chlordane	28 - Chlordane
29	Chlordecone	29 - Chlordecone
30	Chlorfenvinphos	30 - Chlorfenvinphos
79	Chlorides (as Cl)	79 - Chlorides (as Cl)
80	Chlorine and inorganic compounds (as HCl)	80 - Chlorine and inorganic compounds (as HCl)
31	Chloro-alkanes, C ₁₀ -C ₁₃	31 - Chloro-alkanes, C ₁₀ -C ₁₃
15	Chlorofluorocarbons (CFCs)	15 - Chlorofluorocarbons (CFCs)
32	Chlorpyrifos	32 - Chlorpyrifos
19	Chromium and compounds (as Cr)	19 - Chromium and compounds (as Cr)
20	Copper and compounds (as Cu)	20 - Copper and compounds (as Cu)
82	Cyanides (as total CN)	82 - Cyanides (as total CN)
33	DDT	33 - DDT
70	Di-(2-ethyl hexyl) phthalate (DEHP)	70 - Di-(2-ethyl hexyl) phthalate (DEHP)
35	Dichloromethane (DCM)	35 - Dichloromethane (DCM)
36	Dieldrin	36 - Dieldrin
37	Diuron	37 - Diuron
38	Endosulphan	38 - Endosulphan
39	Endrin	39 - Endrin
65	Ethyl benzene	65 - Ethyl benzene
66	Ethylene oxide	66 - Ethylene oxide
88	Fluoranthene	88 - Fluoranthene
83	Fluorides (as total F)	83 - Fluorides (as total F)
84	Fluorine and inorganic compounds (as HF)	84 - Fluorine and inorganic compounds (as HF)
40	Halogenated organic compounds (as AOX)	40 - Halogenated organic compounds (as AOX)
16	Halons	16 - Halons
41	Heptachlor	41 - Heptachlor
90	Hexabromobiphenyl	90 - Hexabromobiphenyl
42	Hexachlorobenzene (HCB)	42 - Hexachlorobenzene (HCB)
43	Hexachlorobutadiene (HCBd)	43 - Hexachlorobutadiene (HCBd)
04	Hydro-fluorocarbons (HFCs)	04 - Hydro-fluorocarbons (HFCs)

14	Hydrochlorofluorocarbons (HCFCs)	14 - Hydrochlorofluorocarbons (HCFCs)
85	Hydrogen cyanide (HCN)	85 - Hydrogen cyanide (HCN)
89	Isodrin	89 - Isodrin
67	Isoproturon	67 - Isoproturon
23	Lead and compounds (as Pb)	23 - Lead and compounds (as Pb)
45	Lindane	45 - Lindane
21	Mercury and compounds (as Hg)	21 - Mercury and compounds (as Hg)
01	Methane (CH ₄)	01 - Methane (CH ₄)
46	Mirex	46 - Mirex
68	Naphthalene	68 - Naphthalene
22	Nickel and compounds (as Ni)	22 - Nickel and compounds (as Ni)
08	Nitrogen oxides (NO _x /NO ₂)	08 - Nitrogen oxides (NO _x /NO ₂)
05	Nitrous oxide (N ₂ O)	05 - Nitrous oxide (N ₂ O)
07	Non-methane volatile organic compounds (NMVOC)	07 - Non-methane volatile organic compounds (NMVOC)
64	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs)	64 - Nonylphenol and Nonylphenol ethoxylates (NP/NPEs)
87	Octylphenols and Octylphenol ethoxylates	87 - Octylphenols and Octylphenol ethoxylates
69	Organotin compounds (as total Sn)	69 - Organotin compounds (as total Sn)
86	Particulate matter (PM ₁₀)	86 - Particulate matter (PM ₁₀)
47	PCDD + PCDF (dioxins + furans)	47 - PCDD + PCDF (dioxins + furans)(as Teq)
48	Pentachlorobenzene	48 - Pentachlorobenzene
49	Pentachlorophenol (PCP)	49 - Pentachlorophenol (PCP)
09	Perfluorocarbons (PFCs)	09 - Perfluorocarbons (PFCs)
71	Phenols (as total C)	71 - Phenols (as total C)
50	Polychlorinated biphenyls (PCBs)	50 - Polychlorinated biphenyls (PCBs)
72	Polycyclic aromatic hydrocarbons (PAHs)	72 - Polycyclic aromatic hydrocarbons (PAHs)
51	Simazine	51 - Simazine
10	Sulphur hexafluoride (SF ₆)	10 - Sulphur hexafluoride (SF ₆)
11	Sulphur oxides (SO _x /SO ₂)	11 - Sulphur oxides (SO _x /SO ₂)
52	Tetrachloroethylene (PER)	52 - Tetrachloroethylene (PER)
53	Tetrachloromethane (TCM)	53 - Tetrachloromethane (TCM)
73	Toluene	73 - Toluene
12	Total nitrogen	12 - Total nitrogen
76	Total organic carbon (TOC) (as total C or COD/3)	76 - Total organic carbon (TOC) (as total C or COD/3)
13	Total phosphorus	13 - Total phosphorus
59	Toxaphene	59 - Toxaphene
74	Tributyltin and compounds	74 - Tributyltin and compounds
54	Trichlorobenzenes (TCBs)(all isomers)	54 - Trichlorobenzenes (TCBs)(all isomers)
57	Trichloroethylene	57 - Trichloroethylene
58	Trichloromethane	58 - Trichloromethane
77	Trifluralin	77 - Trifluralin

75	Triphenyltin and compounds	75 - Triphenyltin and compounds
60	Vinyl chloride	60 - Vinyl chloride
78	Xylenes	78 - Xylenes
24	Zinc and compounds (as Zn)	24 - Zinc and compounds (as Zn)

Emission Type : Land

PRTR Pollutants

Pollutant_Number	Pollutant_Name	Pollutant_Lookup
55	1,1,1-trichloroethane	55 - 1,1,1-trichloroethane
56	1,1,2,2-tetrachloroethane	56 - 1,1,2,2-tetrachloroethane
44	1,2,3,4,5,6-hexachlorocyclohexane(HCH)	44 - 1,2,3,4,5,6-hexachlorocyclohexane(HCH)
34	1,2-dichloroethane (EDC)	34 - 1,2-dichloroethane (EDC)
25	Alachlor	25 - Alachlor
26	Aldrin	26 - Aldrin
06	Ammonia (NH3)	06 - Ammonia (NH3)
61	Anthracene	61 - Anthracene
17	Arsenic and compounds (as As)	17 - Arsenic and compounds (as As)
81	Asbestos	81 - Asbestos
27	Atrazine	27 - Atrazine
62	Benzene	62 - Benzene
91	Benzo(g,h,i)perylene	91 - Benzo(g,h,i)perylene
63	Brominated diphenylethers (PBDE)	63 - Brominated diphenylethers (PBDE)
18	Cadmium and compounds (as Cd)	18 - Cadmium and compounds (as Cd)
03	Carbon dioxide (CO2)	03 - Carbon dioxide (CO2)
02	Carbon monoxide (CO)	02 - Carbon monoxide (CO)
28	Chlordane	28 - Chlordane
29	Chlordecone	29 - Chlordecone
30	Chlorfenvinphos	30 - Chlorfenvinphos
79	Chlorides (as Cl)	79 - Chlorides (as Cl)
80	Chlorine and inorganic compounds (as HCl)	80 - Chlorine and inorganic compounds (as HCl)
31	Chloro-alkanes, C10-C13	31 - Chloro-alkanes, C10-C13
15	Chlorofluorocarbons (CFCs)	15 - Chlorofluorocarbons (CFCs)
32	Chlorpyrifos	32 - Chlorpyrifos
19	Chromium and compounds (as Cr)	19 - Chromium and compounds (as Cr)
20	Copper and compounds (as Cu)	20 - Copper and compounds (as Cu)
82	Cyanides (as total CN)	82 - Cyanides (as total CN)
33	DDT	33 - DDT
70	Di-(2-ethyl hexyl) phthalate (DEHP)	70 - Di-(2-ethyl hexyl) phthalate (DEHP)
35	Dichloromethane (DCM)	35 - Dichloromethane (DCM)
36	Dieldrin	36 - Dieldrin
37	Diuron	37 - Diuron

38	Endosulphan	38 - Endosulphan
39	Endrin	39 - Endrin
65	Ethyl benzene	65 - Ethyl benzene
66	Ethylene oxide	66 - Ethylene oxide
88	Fluoranthene	88 - Fluoranthene
83	Fluorides (as total F)	83 - Fluorides (as total F)
84	Fluorine and inorganic compo	84 - Fluorine and inorganic compounds (as HF)
40	Halogenated organic compou	40 - Halogenated organic compounds (as AOX)
16	Halons	16 - Halons
41	Heptachlor	41 - Heptachlor
90	Hexabromobiphenyl	90 - Hexabromobiphenyl
42	Hexachlorobenzene (HCB)	42 - Hexachlorobenzene (HCB)
43	Hexachlorobutadiene (HCBD)	43 - Hexachlorobutadiene (HCBD)
04	Hydro-fluorocarbons (HFCs)	04 - Hydro-fluorocarbons (HFCs)
14	Hydrochlorofluorocarbons (HC	14 - Hydrochlorofluorocarbons (HCFCs)
85	Hydrogen cyanide (HCN)	85 - Hydrogen cyanide (HCN)
89	Isodrin	89 - Isodrin
67	Isoproturon	67 - Isoproturon
23	Lead and compounds (as Pb)	23 - Lead and compounds (as Pb)
45	Lindane	45 - Lindane
21	Mercury and compounds (as H	21 - Mercury and compounds (as Hg)
01	Methane (CH4)	01 - Methane (CH4)
46	Mirex	46 - Mirex
68	Naphthalene	68 - Naphthalene
22	Nickel and compounds (as Ni)	22 - Nickel and compounds (as Ni)
08	Nitrogen oxides (NOx/NO2)	08 - Nitrogen oxides (NOx/NO2)
05	Nitrous oxide (N2O)	05 - Nitrous oxide (N2O)
07	Non-methane volatile organic	07 - Non-methane volatile organic compounds (NMVOC)
64	Nonylphenol and Nonylphenol	64 - Nonylphenol and Nonylphenol ethoxylates (NP/NPEs)
87	Octylphenols and Octylphenol	87 - Octylphenols and Octylphenol ethoxylates
69	Organotin compounds (as tota	69 - Organotin compounds (as total Sn)
86	Particulate matter (PM10)	86 - Particulate matter (PM10)
47	PCDD + PCDF (dioxins + fura	47 - PCDD + PCDF (dioxins + furans)(as Teq)
48	Pentachlorobenzene	48 - Pentachlorobenzene
49	Pentachlorophenol (PCP)	49 - Pentachlorophenol (PCP)
09	Perfluorocarbons (PFCs)	09 - Perfluorocarbons (PFCs)
71	Phenols (as total C)	71 - Phenols (as total C)
50	Polychlorinated biphenyls (PC	50 - Polychlorinated biphenyls (PCBs)
72	Polycyclic aromatic hydrocarb	72 - Polycyclic aromatic hydrocarbons (PAHs)
51	Simazine	51 - Simazine

10	Sulphur hexafluoride (SF6)	10 - Sulphur hexafluoride (SF6)
11	Sulphur oxides (SOx/SO2)	11 - Sulphur oxides (SOx/SO2)
52	Tetrachloroethylene (PER)	52 - Tetrachloroethylene (PER)
53	Tetrachloromethane (TCM)	53 - Tetrachloromethane (TCM)
73	Toluene	73 - Toluene
12	Total nitrogen	12 - Total nitrogen
76	Total organic carbon (TOC) (as total C or COD/3)	76 - Total organic carbon (TOC) (as total C or COD/3)
13	Total phosphorus	13 - Total phosphorus
59	Toxaphene	59 - Toxaphene
74	Tributyltin and compounds	74 - Tributyltin and compounds
54	Trichlorobenzenes (TCBs)(all isomers)	54 - Trichlorobenzenes (TCBs)(all isomers)
57	Trichloroethylene	57 - Trichloroethylene
58	Trichloromethane	58 - Trichloromethane
77	Trifluralin	77 - Trifluralin
75	Triphenyltin and compounds	75 - Triphenyltin and compounds
60	Vinyl chloride	60 - Vinyl chloride
78	Xylenes	78 - Xylenes
24	Zinc and compounds (as Zn)	24 - Zinc and compounds (as Zn)

Licensed (Non-PRTR) Pollutants

Emission Type : Air

Pollutant_Number	Pollutant_Name	Pollutant_Lookup
201	1,2 trichloroethylene	201 - 1,2 trichloroethyle
241	2-Chloroethanol	241 - 2-Chloroethanol
202	2-methoxyethanol	202 - 2-methoxyethano
301	Acetate	301 - Acetate
203	Acetic acid	203 - Acetic acid
247	Acetone	247 - Acetone
361	Acrylates	361 - Acrylates
369	Alkyl Phenol Ethoxyla	369 - Alkyl Phenol Etho
355	Aluminium	355 - Aluminium
205	Antimony (as Sb)	205 - Antimony (as Sb)
206	Benzene & toluene &	206 - Benzene & toluen
243	cis-1,2-dichloroethene	243 - cis-1,2-dichloroethene
207	Class B organics	207 - Class B organics
356	Cobalt	356 - Cobalt
208	Condenseable volatile	208 - Condenseable vo
310	Dimethylester	310 - Dimethylester
209	Dimethylformamide	209 - Dimethylformamide
245	Dimethylsulphate	245 - Dimethylsulphate
210	Dust	210 - Dust
211	Epichlorohydrin	211 - Epichlorohydrin
248	Ethanol	248 - Ethanol
212	Formaldehyde	212 - Formaldehyde
315	Formaldehyde	315 - Formaldehyde
213	Formic acid	213 - Formic acid
316	Hydrazine	316 - Hydrazine
214	Hydrogen bromide	214 - Hydrogen bromide
317	Hydrogen peroxide	317 - Hydrogen peroxide
215	Hydrogen sulphide	215 - Hydrogen sulphide
318	Hydrogen sulphide	318 - Hydrogen sulphide
216	Indicator Microorganism	216 - Indicator Microorganisms
319	Inorganic acids	319 - Inorganic acids
217	Iodinated compounds	217 - Iodinated compounds
357	Iron	357 - Iron
218	Isocyanate	218 - Isocyanate
246	Isopropyl Alcohol (IPA)	246 - Isopropyl Alcohol (IPA)
320	Magnesium	320 - Magnesium
321	Manganese (as Mn)	321 - Manganese (as Mn)

Air Lookup

From Row	4
To Row	89
Start Cell	3

Water Lookup

From Row	92
To Row	192
Start Cell	91

Offsite Xfers Lookup

From Row	195
To Row	276
Start Cell	194

Land Lookup

From Row	279
To Row	279
Start Cell	278

219	MDI	219 - MDI
322	MDI as NCO group	322 - MDI as NCO group
220	Mercaptans	220 - Mercaptans
323	Methanol	323 - Methanol
367	Methyl Methacrylate	367 - Methyl Methacrylate
368	Molybdenum	368 - Molybdenum
325	Monochloramine	325 - Monochloramine
326	n-hexene	326 - n-hexene
221	Nitric acid (HNO3)	221 - Nitric acid (HNO3)
330	Organic solvents	330 - Organic solvents
222	Organic substances with photochemical ozone potential	222 - Organic substances with photochemical ozone potential
331	Organohalogens	331 - Organohalogens
223	Ozone	223 - Ozone
333	Permethrin	333 - Permethrin
334	Pesticides	334 - Pesticides
337	Pharmaceutical actives	337 - Pharmaceutical actives
338	Potassium	338 - Potassium
339	Preventol WB	339 - Preventol WB
370	Selenium	370 - Selenium
340	Semi-volatiles	340 - Semi-volatiles
354	Silver	354 - Silver
341	Sodium	341 - Sodium
342	Streptomycin	342 - Streptomycin
353	Sulphides	353 - Sulphides
239	Sulphuric Acid	239 - Sulphuric Acid
344	TA luft carcinogenic substance class 3	344 - TA luft carcinogenic substance class 3
224	TA Luft carcinogenic substances Class 1	224 - TA Luft carcinogenic substances Class 1
225	TA Luft carcinogenic substances Class 2	225 - TA Luft carcinogenic substances Class 2
226	TA Luft carcinogenic substances Class 3	226 - TA Luft carcinogenic substances Class 3
227	TA Luft inorganic dust particles class 1	227 - TA Luft inorganic dust particles class 1
228	TA Luft inorganic dust particles class 2	228 - TA Luft inorganic dust particles class 2
229	TA Luft inorganic dust particles class 3	229 - TA Luft inorganic dust particles class 3
230	TA Luft organic substances class 1	230 - TA Luft organic substances class 1
231	TA Luft organic substances class 2	231 - TA Luft organic substances class 2
232	TA Luft organic substances class 3	232 - TA Luft organic substances class 3
371	Tellurium	371 - Tellurium
233	Thallium compounds	233 - Thallium compounds
358	Tin	358 - Tin
234	Toluene di-isocyanate	234 - Toluene di-isocyanate
235	Total acids	235 - Total acids

345	Total acids	345 - Total acids
242	Total Aldehydes (as C	242 - Total Aldehydes (as C)
347	Total heavy metals	347 - Total heavy metals
351	Total Organic Carbon	351 - Total Organic Carbon (as C)
352	Total Organic Carbon	352 - Total Organic Carbon (as Toluene)
244	Total Particulates	244 - Total Particulates
350	Undenatured botulinu	350 - Undenatured botulinum toxin
236	Vanadium (as V)	236 - Vanadium (as V)
237	Volatile organic comp	237 - Volatile organic compounds (as TOC)

Emission Type : Water

Pollutant_Number	Pollutant_Name	Pollutant_Lookup
380	2,4 Dichlorophenol (2,	380 - 2,4 Dichlorophenol (2,4 D)
394	2,6-Dichlorobenzamid	394 - 2,6-Dichlorobenzamide
301	Acetate	301 - Acetate
203	Acetic acid	203 - Acetic acid
376	Acetone	376 - Acetone
378	Acetronitrile	378 - Acetronitrile
361	Acrylates	361 - Acrylates
369	Alkyl Phenol Ethoxyla	369 - Alkyl Phenol Ethoxylates
355	Aluminium	355 - Aluminium
204	Amines	204 - Amines
238	Ammonia (as N)	238 - Ammonia (as N)
205	Antimony (as Sb)	205 - Antimony (as Sb)
373	Barium	373 - Barium
206	Benzene & toluene &	206 - Benzene & toluene & xylene (combined)
389	Benzo[a]pyrene	389 - Benzo[a]pyrene
390	Benzo[b]fluoranthene	390 - Benzo[b]fluoranthene
391	Benzo[k]fluoranthene	391 - Benzo[k]fluoranthene
302	Biocides	302 - Biocides
303	BOD	303 - BOD
374	Boron	374 - Boron
304	Bromide	304 - Bromide
305	Calcium	305 - Calcium
393	Carbon tetrachloride	393 - Carbon tetrachloride
243	cis-1,2-dichloroethene	243 - cis-1,2-dichloroethene
356	Cobalt	356 - Cobalt
306	COD	306 - COD
208	Condenseable volatile	208 - Condenseable volatile organic compounds
308	Detergents (as MBAS	308 - Detergents (as MBAS)
388	Dichlobenil	388 - Dichlobenil

381	Dichlorobenil	381 - Dichlorobenil
395	Dicofol	395 - Dicofol
309	Diesel range organics	309 - Diesel range organics
310	Dimethylester	310 - Dimethylester
245	Dimethylsulphate	245 - Dimethylsulphate
211	Epichlorohydrin	211 - Epichlorohydrin
377	Ethanol	377 - Ethanol
314	Fats, Oils and Grease	314 - Fats, Oils and Greases
212	Formaldehyde	212 - Formaldehyde
315	Formaldehyde	315 - Formaldehyde
213	Formic acid	213 - Formic acid
382	Glyphosate	382 - Glyphosate
396	Hexabromocyclodeca	396 - Hexabromocyclodecane (HBCD)
316	Hydrazine	316 - Hydrazine
366	Hydrocarbons	366 - Hydrocarbons
214	Hydrogen bromide	214 - Hydrogen bromide
317	Hydrogen peroxide	317 - Hydrogen peroxide
318	Hydrogen sulphide	318 - Hydrogen sulphide
392	Indeno[1,2,3-c,d]pyre	392 - Indeno[1,2,3-c,d]pyrene
319	Inorganic acids	319 - Inorganic acids
357	Iron	357 - Iron
375	Isopropyl Alcohol (IPA)	375 - Isopropyl Alcohol (IPA)
362	Kjeldahl Nitrogen	362 - Kjeldahl Nitrogen
383	Linuron	383 - Linuron
320	Magnesium	320 - Magnesium
321	Manganese (as Mn)	321 - Manganese (as Mn)
384	MCPA	384 - MCPA
322	MDI as NCO group	322 - MDI as NCO group
385	Mecoprop Total	385 - Mecoprop Total
323	Methanol	323 - Methanol
367	Methyl Methacrylate	367 - Methyl Methacrylate
324	Mineral oils	324 - Mineral oils
368	Molybdenum	368 - Molybdenum
325	Monochloramine	325 - Monochloramine
326	n-hexene	326 - n-hexene
327	Nitrate (as N)	327 - Nitrate (as N)
372	Nitrite (as N)	372 - Nitrite (as N)
328	Non-purgeable organi	328 - Non-purgeable organic compounds
329	Octafluoropentanol	329 - Octafluoropentanol
330	Organic solvents	330 - Organic solvents

331	Organohalogens	331 - Organohalogens
387	Ortho-phosphate (as P)	387 - Ortho-phosphate (as P)
332	Ortho-phosphate (as PO4)	332 - Ortho-phosphate (as PO4)
333	Permethrin	333 - Permethrin
334	Pesticides	334 - Pesticides
335	Petrol range organics	335 - Petrol range organics
397	PFOS	397 - PFOS
337	Pharmaceutical actives	337 - Pharmaceutical actives
338	Potassium	338 - Potassium
339	Preventol WB	339 - Preventol WB
370	Selenium	370 - Selenium
340	Semi-volatiles	340 - Semi-volatiles
354	Silver	354 - Silver
341	Sodium	341 - Sodium
342	Streptomycin	342 - Streptomycin
343	Sulphate	343 - Sulphate
353	Sulphides	353 - Sulphides
364	Sulphites (as SO3)	364 - Sulphites (as SO3)
240	Suspended Solids	240 - Suspended Solids
371	Tellurium	371 - Tellurium
358	Tin	358 - Tin
345	Total acids	345 - Total acids
363	Total Dissolved Solids	363 - Total Dissolved Solids
398	Total Hardness (mg/l CaCO3)	398 - Total Hardness (mg/l CaCO3)
347	Total heavy metals	347 - Total heavy metals
351	Total Organic Carbon (as C)	351 - Total Organic Carbon (as C)
352	Total Organic Carbon (as Toluene)	352 - Total Organic Carbon (as Toluene)
379	Total Oxidised Nitrogen (TON)	379 - Total Oxidised Nitrogen (TON)
348	Total petroleum hydrocarbons	348 - Total petroleum hydrocarbons
350	Undenatured botulinum toxin	350 - Undenatured botulinum toxin
386	Vanadium	386 - Vanadium
237	Volatile organic compounds (as TOC)	237 - Volatile organic compounds (as TOC)

Emission Type : Offsite Transfers

Pollutant_Number	Pollutant_Name	Pollutant_Lookup
301	Acetate	301 - Acetate
203	Acetic acid	203 - Acetic acid
376	Acetone	376 - Acetone
378	Acetronitrile	378 - Acetronitrile
361	Acrylates	361 - Acrylates
369	Alkyl Phenol Ethoxylates	369 - Alkyl Phenol Ethoxylates

355	Aluminium	355 - Aluminium
204	Amines	204 - Amines
238	Ammonia (as N)	238 - Ammonia (as N)
205	Antimony (as Sb)	205 - Antimony (as Sb)
373	Barium	373 - Barium
206	Benzene & toluene &	206 - Benzene & toluene & xylene (combined)
302	Biocides	302 - Biocides
303	BOD	303 - BOD
374	Boron	374 - Boron
304	Bromide	304 - Bromide
305	Calcium	305 - Calcium
356	Cobalt	356 - Cobalt
306	COD	306 - COD
208	Condenseable volatile	208 - Condenseable volatile organic compounds
308	Detergents (as MBAS)	308 - Detergents (as MBAS)
309	Diesel range organics	309 - Diesel range organics
310	Dimethylester	310 - Dimethylester
245	Dimethylsulphate	245 - Dimethylsulphate
211	Epichlorohydrin	211 - Epichlorohydrin
377	Ethanol	377 - Ethanol
314	Fats, Oils and Grease	314 - Fats, Oils and Greases
212	Formaldehyde	212 - Formaldehyde
315	Formaldehyde	315 - Formaldehyde
213	Formic acid	213 - Formic acid
316	Hydrazine	316 - Hydrazine
366	Hydrocarbons	366 - Hydrocarbons
214	Hydrogen bromide	214 - Hydrogen bromide
317	Hydrogen peroxide	317 - Hydrogen peroxide
318	Hydrogen sulphide	318 - Hydrogen sulphide
319	Inorganic acids	319 - Inorganic acids
357	Iron	357 - Iron
375	Isopropyl Alcohol (IPA)	375 - Isopropyl Alcohol (IPA)
362	Kjeldahl Nitrogen	362 - Kjeldahl Nitrogen
320	Magnesium	320 - Magnesium
321	Manganese (as Mn)	321 - Manganese (as Mn)
322	MDI as NCO group	322 - MDI as NCO group
323	Methanol	323 - Methanol
367	Methyl Methacrylate	367 - Methyl Methacrylate
324	Mineral oils	324 - Mineral oils
368	Molybdenum	368 - Molybdenum

325	Monochloramine	325 - Monochloramine
326	n-hexene	326 - n-hexene
327	Nitrate (as N)	327 - Nitrate (as N)
372	Nitrite (as N)	372 - Nitrite (as N)
328	Non-purgeable organics	328 - Non-purgeable organic compounds
329	Octafluoropentanol	329 - Octafluoropentanol
330	Organic solvents	330 - Organic solvents
331	Organohalogenes	331 - Organohalogenes
387	Ortho-phosphate (as P)	387 - Ortho-phosphate (as P)
332	Ortho-phosphate (as PO4)	332 - Ortho-phosphate (as PO4)
333	Permethrin	333 - Permethrin
334	Pesticides	334 - Pesticides
335	Petrol range organics	335 - Petrol range organics
337	Pharmaceutical actives	337 - Pharmaceutical actives
338	Potassium	338 - Potassium
339	Preventol WB	339 - Preventol WB
370	Selenium	370 - Selenium
340	Semi-volatiles	340 - Semi-volatiles
354	Silver	354 - Silver
341	Sodium	341 - Sodium
342	Streptomycin	342 - Streptomycin
343	Sulphate	343 - Sulphate
353	Sulphides	353 - Sulphides
364	Sulphites (as SO3)	364 - Sulphites (as SO3)
240	Suspended Solids	240 - Suspended Solids
371	Tellurium	371 - Tellurium
358	Tin	358 - Tin
345	Total acids	345 - Total acids
363	Total Dissolved Solids	363 - Total Dissolved Solids
398	Total Hardness (mg/l CaCO3)	398 - Total Hardness (mg/l CaCO3)
347	Total heavy metals	347 - Total heavy metals
351	Total Organic Carbon (as C)	351 - Total Organic Carbon (as C)
352	Total Organic Carbon (as Toluene)	352 - Total Organic Carbon (as Toluene)
348	Total petroleum hydrocarbons	348 - Total petroleum hydrocarbons
350	Undenatured botulinum toxin	350 - Undenatured botulinum toxin
237	Volatile organic compounds (as TOC)	237 - Volatile organic compounds (as TOC)

Emission Type : Land

Pollutant_Number	Pollutant_Name	Pollutant_Lookup
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GroupCode	Description	
01	WASTE RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS	21
02	WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING	23
03	WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD	133
04	WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES	135
05	WASTES FROM PETROLEUM REFINING, NATURAL GAS PURIFICATION AND PYROLYTIC TREATMENT OF COAL	973
06	WASTES FROM INORGANIC CHEMICAL PROCESSES	682
07	WASTES FROM ORGANIC CHEMICAL PROCESSES	687
08	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS,) ADHESIVES, SEALANTS AND PRI	
09	WASTES FROM THE PHOTOGRAPHIC INDUSTRY	
10	WASTES FROM THERMAL PROCESSES	
11	WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY	
12	WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS	
13	OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)	
14	WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08)	
15	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST	
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	
18	WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate RESEARCH (except kitchen and resta	
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION A	
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	

GroupCode	SubGroupCode	Description
01	01	wastes from mineral excavation
01	03	wastes from physical and chemical processing of metalliferous minerals
01	04	wastes from physical and chemical processing of non-metalliferous minerals
01	05	drilling muds and other drilling wastes
02	01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02	02	wastes from the preparation and processing of meat, fish and other foods of animal origin
02	03	wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molas
02	04	wastes from sugar processing
02	05	wastes from the dairy products industry
02	06	wastes from the baking and confectionery industry
02	07	wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)
03	01	wastes from wood processing and the production of panels and furniture
03	02	wastes from wood preservation
03	03	wastes from pulp, paper and cardboard production and processing
04	01	wastes from the leather and fur industry
04	02	wastes from the textile industry
05	01	wastes from petroleum refining
05	06	waste from the pyrolytic treatment of coal
05	07	waste from natural gas purification and transportation
06	01	wastes from the manufacture, formulation, supply and use (MFSU) of acids
06	02	wastes from the MFSU of bases
06	03	wastes from the MFSU of salts and their solutions and metallic oxides
06	04	metal-containing wastes other than those mentioned in 06 03
06	05	sludges from on-site effluent treatment
06	06	wastes from the MFSU of sulphur chemicals, sulphur chemical processes and desulphurisation processes
06	07	wastes from the MFSU of halogens and halogen chemical processes
06	08	wastes from the MFSU of silicon and silicon derivatives
06	09	wastes from the MFSU of phosphorus chemicals and phosphorous chemical processes
06	10	wastes from the MFSU of nitrogen chemicals, nitrogen chemical processes and fertiliser manufacture
06	11	wastes from the manufacture of inorganic pigments and opacifiers
06	13	wastes from inorganic chemical processes not otherwise specified
07	01	wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
07	02	wastes from the MFSU of plastics, synthetic rubber and man-made fibres

RD_Code	RD_Description	RD_Type
	Landfill	
D1	Deposit into or onto land, (e.g. landfill, etc.) - deposit of overburden, waste rock and tailings on heaps in the extractive industry.	Disposal
D10	Incineration on land - municipal solid waste incineration plants for incineration of MSW, hazardous waste, sewage sludge, clinical waste, animal carcasses.	Disposal
D11	Incineration at sea This operation is prohibited by EU legislation and international conventions.	Disposal
D12	Permanent storage Permanent storage (e.g. emplacement of containers in a mine, etc.) - landfills for the underground storage of waste.	Disposal
D13	Blending or mixing prior to submission to any of the operations numbered D1-D12 - basic sorting activities; crushing and shredding of waste in order to reduce the volume of waste for transport or landfilling; mixing and blending of waste (e.g. mixing of similar wastes from different waste generators); homogenisation, conditioning and solidification	Disposal
D14	Repackaging prior to submission to any of the operations numbered D1-D13 - transfer and compaction of waste; packaging of asbestos	Disposal
D15	Storage pending any of the operations numbered D1-D14 Does not apply to storage of waste prior to collection at the site at which it was generated. Temporary storage of waste prior to disposal is limited to a period of <1 year. Otherwise the provisions of the Landfill Directive apply (Directive 1999/31/EC, Article 2(g)).	Disposal
D2	Land treatment Land treatment, (e.g. biodegradation of liquid or sludgy discards in soils, etc.) - spreading of waste on land, often followed by the incorporation of the waste into the soil, which does not result in benefit to agriculture or other ecological improvements. Generally applies to non-hazardous sludge and liquid wastes, e.g. disposal of dredging sludge.	Disposal
D3	Injection Deep injection, (e.g. injection of pumpable discards into wells, salt domes of naturally occurring repositories, etc.) - injection of waste into natural and artificial cavities (e.g. salt domes, wells, mines), and porous formations of rock not covered by Directive 1999/31/EC.	Disposal
D4	Surface impoundment Surface impoundment, (e.g. placement of liquid or sludge discards into pits, ponds or lagoons, etc.) - the deposit of waste in natural or engineered ponds, pits or lagoons (impoundment), which is the predominant method for the management of tailings in mining operations; impoundment of dredging sludge.	Disposal
D5	Engineered landfill Specially engineered landfill, (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.) - landfills for inert waste, non-hazardous waste and hazardous waste above ground.	Disposal

	Release to waters	
	Release into a water body except seas/oceans	
D6	- deposit of non-hazardous dredging sludge and other non-hazardous sludge in surface water including the bed and the subsoil.	Disposal
	Release to sea	
	Release into seas/oceans including sea-bed insertion	
D7	- discharge of waste at sea in accordance with the OSPAR Convention (e.g. discharge of fish processing waste and inert materials of natural origin).	Disposal
	Biological treatment	
	Biological treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1- D12	
D8	-biological-mechanical treatment of municipal waste; biological treatment of contaminated soil; sludges or mineral wastes, if followed by disposal	Disposal
	Physico chemical treatment	
	Physico chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1-D12 (e.g. evaporation, drying, calcination, neutralization, precipitation, etc.)	
	-physico-chemical treatment is typically deployed for: emulsions and oil/water mixtures; neutral aqueous organics and inorganics (production specific waste water, leachate, etc.); cyanides; acids and alkalis. Typical treatment steps are detoxification (oxidation/reduction), precipitation, neutralisation, emulsion separation, immobilisation, electrolysis and osmosis.	
D9	Use as fuel	Disposal
	Use as a fuel (other than in direct incineration) or other means to generate energy	
R1	- use of tyres, waste oils, or spent solvents in cement kilns; co-incineration of sewage sludge or refuse-derived fuel (RDF) from municipal waste in power stations.	Recovery
	Landspreading	
	Land treatment resulting in benefit to agriculture or ecological improvement	
R10	- use of sewage sludge in agriculture in compliance with the Sewage Sludge Directive; the spreading on land of compost from the treatment of separately collected biowaste; the use of manure in compliance with agricultural regulations; the use of mineral wastes as fertilisers in compliance with national legislation; landscape restoration, e.g. as final landfill cover; restoration of old disused quarries.	Recovery
	Use of residuals	
	Uses of residual materials obtained from any of the operations numbered R1-R10	
R11	- energy recovery of sorting residues, shredder light fraction, or distillation sludge from oil-refining; the use of slag from co-incineration for underground stowage.	Recovery
	Waste Exchange prior to recovery	
	Exchange of wastes for submission to any of the operations numbered R1-R11	
R12	- basic sorting activities; mixing of waste from different generators before it is sent to a recovery facility; transfer and compaction of waste; shredding of wood waste prior to energy recovery.	Recovery

	Storage prior to recovery	
	Accumulation of material intended for any operation numbered R1-R12	
R13	- interim storage of waste prior to recovery is limited to a period of <3 years, otherwise storage is subject to provisions of Landfill Directive.	Recovery
	Solvent reclamation/regeneration	
R2	- re-refining of solvents in order to separate contaminants and to restore the solvent to its original quality or to a lower grade product (e.g. lacquer thinner); preparation of secondary liquid fuels (SLF), usually by blending with other liquid wastes.	Recovery
	Organic substance recycling/reclamation	
	Recycling/reclamation of organic substances which are not used as solvents	
R3	- recycling of waste paper and board; reprocessing and recycling of plastic waste; composting of bio waste and green waste; fermentation of biodegradable waste for biogas production (biogas plants).	Recovery
	Metal recycling/reclamation	
	Recycling/reclamation of metals and metal compounds	
R4	- recycling of scrap and production waste in steelworks; shredding and reprocessing of ELVs and WEEE; thermal treatment of cables or oil-contaminated metals; battery recycling; electrolytic recovery of silver from photo chemicals.	Recovery
	Inorganic substance recycling/reclamation	
	Recycling/reclamation of other inorganic materials	
R5	- reprocessing of construction and demolition waste; reprocessing and recycling of glass waste; use as secondary raw material in cement kilns; asphalt mixing plants; use for underground stowage in mines.	Recovery
	Regeneration of acids or bases	
R6	- re-concentration of spent acids; the thermal decomposition of spent sulphuric acid for use as feedstock in sulphuric acid production.	Recovery
	Recovery of components used for pollution abatement	
R7	- regeneration of activated carbon from water purification and flue gas treatment, mainly by thermal treatment; the regeneration of resins by solvent washing.	Recovery
	Recovery of components from catalysts	
R8	-regeneration of catalysts to be reused as catalysts; the recovery of catalyst components, mainly of metal components, e.g. recycling of precious metals from catalytic converters in vehicle exhausts.	Recovery
	Used oil re-refining or other reuses of previously used oil	
R9	- Re-refining into base oils which can be used to manufacture lubricating products; use to generate fuel which can be used as a substitute for coal, diesel and light fuel.	Recovery

Select a code by double-clicking on the method code cell below

Methods used for determination of releases to air: Method Identification Codes

For each parameter please click on the method code that applies. Please take note of the appropriate method category (M/C/E) and Method Designation or Description according to this table.

Method Code	M/C/E	Where this code is applicable	Designation or Description
ISO 10397:1993	M	Asbestos	Leave Blank
ISO 11338-1 to 2:2003	M	Anthracene, polycyclic aromatic hydrocarbons (PAHs) & flouranthene	Leave Blank
EN 14385:2004	M	(Arsenic, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Lead, Antimony, Thallium, Vanadium and Zinc) & Compounds	Leave Blank
EN 15058:2004	M	Carbon Monoxide (CO)	Leave Blank
ISO 12039:2001	M	Carbon Monoxide (CO) & Carbon Dioxide (CO ₂)	Leave Blank
EN 1911-1 to 3:2003	M	Chlorine & Inorganic Compounds (as HCl)	Leave Blank
ISO/DIS 15713:2004	M	Fluorine & Inorganic Compounds (as HF)	Leave Blank
EN 13211:2001	M	Mercury & Compounds (as Hg)	Leave Blank
EN 14884:2005	M	Mercury & Compounds (as Hg)	Leave Blank
EN 14792:2005	M	Nitrogen Oxides (Nox/NO ₂)	Leave Blank
ISO 11564:1998	M	Nitrogen Oxides (Nox/NO ₂)	Leave Blank
ISO 10849:1996	M	Nitrogen Oxides (Nox/NO ₂)	Leave Blank
EN 13649:2001	M	Non-Methane Volatile Organic (NMVOC) & Benzene	Leave Blank
EN 1948-1 to 3:2003	M	PCDD + PCDF(dioxins + furans) (as Teq),	Leave Blank
EN 14791:2005	M	Sulphur Oxides (Sox/SO ₂)	Leave Blank
ISO 7934:1989	M	Sulphur Oxides (Sox/SO ₂)	Leave Blank
ISO 7935: 1992	M	Sulphur Oxides (Sox/SO ₂)	Leave Blank
ISO 11632:1998	M	Sulphur Oxides (Sox/SO ₂)	Leave Blank
ALT	M	Is applicable if the facility is using a CEN or ISO standard but not the one on the approved list in the PRTR Guidance.	Name of the ISO /CEN Standard
CRM	M	If a lab/facility is using a non-ISO/CEN Method that is validated and accredited or has been accepted by the Agency.	Name of the non-ISO/CEN Standard
ETS	C	If a facility is registered as part of the Emission Trading Scheme.	Leave Blank
OTH	M / C	If the method or the calculation does not fall under any of the method codes e.g. in-house methodology not based on CEN/ISO standard.	Brief & specific description of the method / Calculation used.

PER	M/C	This is only applicable if the facility's license specifies a specific standard method to use e.g. Use ISO... If you license states to use Standard Method or a particular piece of equipment this does not fall under PER.	Name of the prescribed standard
NRB	M/C	Not Applicable to Irish Licenses.	-
MAB	C	Used for the calculation of fugitive emissions.	Brief & specific description of the Calculation used.
SSC	C	The only European wide sector specific calculation method used in Ireland is for Greenhouse methods and this is covered by ETS.	-
ESTIMATE	E	Estimates are used when the releases are determined by best assumptions or expert guesses that are not based on publicly available references or in case of absence of recognised emission estimation methodologies or good practice guidelines.	Leave blank, however a detailed description of how the estimation was undertaken must be outlined in your Annual Environmental Report (AER)

Methods used for determination of releases to water & waste water or sewer: Method Identification Codes

For each parameter please click on the method code that applies. Please take note of the appropriate method category (M/C/E) and method Designation or Description according to this table.

Method Code	M/C/E	Where this code is applicable	Designation or Description
EN ISO 10301:1997	M	1,2-dichloroethane (EDC), dichloromethane (DCM)	Leave Blank
EN ISO 15680:2003	M	1,2-dichloroethane (EDC), dichloromethane (DCM), tetrachloroethylene (PER), trichlorobenzenes (TCBs) (all isomers), trichloroethylene, trichloromethane, vinyl chloride, benzene, ethyl benzene, naphthalene, toluene, xylenes	Leave Blank
EN ISO 6468:1996	M	Aldrin, DDT, dieldrin, endosulfan, endrin, heptachlor, hexachlorobenzene (HCB), 1,2,3,4,5,6-hexachlorocyclohexane (HCH), lindane, pentachlorobenzene, polychlorinated biphenols (PCBs)	Leave Blank
EN ISO 17993:2003	M	Anthracene, naphthalene, polycyclic aromatic hydrocarbons (PAHs), flouranthene, benzo(g,h,i)perylene	Leave Blank
EN ISO 11969:1996	M	Arsenic & Compounds (as As)	Leave Blank
EN 26595:1992	M	Arsenic & Compounds (as As)	Leave Blank
EN ISO 10695:2000	M	Atrazine, Simanzine	Leave Blank
EN ISO 11423-1 to 2:1997,	M	Benzene	Leave Blank
ISO 22032	M	Brominated Biphenylethers (PBDE)	Leave Blank
EN ISO 5961:1995	M	Cadmium & Compounds(as Cd)	Leave Blank

EN ISO 15682:2001	M	Chlorides (as total Cl)	Leave Blank
EN ISO 10304-1 to 4:1995	M	Chlorides (as total Cl), Fluorides (as total F)	Leave Blank
EN 1233:1996	M	Chromium & (as Cr)	Leave Blank
EN ISO 14403:2002	M	Cyanides (as total CN)	Leave Blank
EN ISO 18856:2005	M	Di-(2-ethyl hexyl) phthalate (DEHP)	Leave Blank
EN ISO 11369:1997	M	Diuron, Simazine	Leave Blank
EN ISO 9562:2004	M	Halogenated Organics (as AOX)	Leave Blank
EN 1483:1997	M	Mercury & Compounds (as Hg)	Leave Blank
EN 12338:1998	M	Mercury & Compounds (as Hg)	Leave Blank
EN 13506:2001	M	Mercury & Compounds (as Hg)	Leave Blank
EN ISO 17353:2005	M	Organotin (as total Sn), Tributyltin, Triphenyltin & Compounds	Leave Blank
ISO 18073:2004	M	PCDD + PCDF (dioxins + furans) (as Teq)	Leave Blank
ISO 18857-1:2005	M	Phenols (as total C)	Leave Blank
ISO 7981-1 to 2:2005	M	Polycyclic Aromatic Hydrocarbons (PAHs)	Leave Blank
EN 1484:1997	M	Total Organic Carbon (TOC) (as total C or COD/3)	Leave Blank
EN 12260:2003	M		Leave Blank
EN ISO 11905-1:1998	M	Total Nitrogen	Leave Blank
EN ISO 15681-1 to 2:2004	M	Total Phosphorous	Leave Blank
EN ISO 11885:1997	M	Total Phosphorous, Cadmium& compounds, Chromium & Compounds, Copper & Compounds, Nickel & Compounds, Lead & Compounds and Zinc & Compounds.	Leave Blank
EN ISO 6878:2004	M	Total Phosphorous	Leave Blank
ALT	M	Is applicable if the facility is using a CEN or ISO standard but not the one on the approved list in the PRTR Guidance.	Name of the ISO /CEN Standard
CRM	M	If a lab/facility is using a non-ISO/CEN Method that is validated and accredited or has been accepted by the Agency.	Name of the non-ISO/CEN Standard
ETS	C	If a facility is registered as part of the Emission Trading Scheme.	Leave Blank
OTH	M /C	If the method or the calculation does not fall under any of the method codes e.g. in-house methodology not based on CEN/ISO standard.	Brief & specific description of the method / Calculation used.
PER	M/C	This is only applicable if the facility's license specifies a specific standard method to use e.g. Use ISO... If you license states to use Standard Method or a particular piece of equipment this does not fall under PER.	Name of the prescribed standard
NRB	M/C	Not Applicable to Irish Licenses.	-
MAB	C	Used for the calculation of fugitive emissions.	Brief & specific description of the Calculation used.

SSC	C	The only European wide sector specific calculation method used in Ireland is for Greenhouse methods and this is covered by ETS.	-
ESTIMATE	E	Estimates are used when the releases are determined by best assumptions or expert guesses that are not based on publicly available references or in case of absence of recognised emission estimation methodologies or good practice guidelines.	Leave blank, however a detailed description of how the estimation was undertaken must be outlined in your Annual Environmental Report (AER)

Method Codes
M
C
E

Lookups Configured
Y

Water Types
Freshwater
Seawater
Estuary

Transfer Destination
Within the Country
To Other Countries

Waste Treatment Operation
Recovery
Disposal

Waste Method Used
Weighed
Volume Calculation

Treatment Location
Onsite of generation
Offsite in Ireland
Abroad

Yes/No
Yes
No

Country
Afghanistan
Aland Islands
Albania
Algeria
American Samoa
Andorra
Angola
Anguilla

Antarctica
Antigua and Barbuda
Argentina
Armenia
Aruba
Australia
Austria
Azerbaijan
Bahamas
Bahrain
Bangladesh
Barbados
Belarus
Belgium
Belize
Benin
Bermuda
Bhutan
Bolivia
Bosnia and Herzegovina
Botswana
Bouvet Island
Brazil
British Indian Ocean Territory
Brunei Darussalam
Bulgaria
Burkina Faso
Burundi
Cambodia
Cameroon
Canada
Cape Verde
Cayman Islands
Central African Republic
Chad
Chile
China
Christmas Island
Cocos (Keeling) Islands
Colombia

Comoros
Congo
Congo the Democratic Republic of the
Cook Islands
Costa Rica
Côte d'Ivoire
Croatia
Cuba
Cyprus
Czech Republic
Denmark
Djibouti
Dominica
Dominican Republic
Ecuador
Egypt
El Salvador
Equatorial Guinea
Eritrea
Estonia
Ethiopia
Falkland Islands (Malvinas)
Faroe Islands
Fiji
Finland
France
French Guiana
French Polynesia
French Southern Territories
Gabon
Gambia
Georgia
Germany
Ghana
Gibraltar
Greece
Greece
Greenland
Grenada

Guadeloupe
Guam
Guatemala
Guernsey
Guinea
Guinea-Bissau
Guyana
Haiti
Heard Island and McDonald Islands
Holy See (Vatican City State)
Honduras
Hong Kong
Hungary
Iceland
India
Indonesia
Iran Islamic Republic of
Iraq
Ireland
Isle Of Man
Israel
Italy
Jamaica
Japan
Jersey
Jordan
Kazakhstan
Kenya
Kiribati
Korea Democratic People's Republic of
Korea Republic of
Kuwait
Kyrgyzstan
Lao People's Democratic Republic
Latvia
Lebanon
Lesotho