


Facility Information Summary	
AER Reporting Year	2016
Licence Register Number	W0048-01
Name of site	Marrakesh Ltd.
Site Location	Kilmurry South Landfill, Kilmurry South, Kilmacanogue, Bray, Co.
NACE Code	3821
Class/Classes of Activity	D1, D15, R3, R5, R13
National Grid Reference (6E, 6 N)	53.1506, -6.13329
<p>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.</p> <p>C&D materials (e.g. Soil & Stones, Concrete, Bituminous Mixtures) are accepted at the facility for screening, segregation, sorting and grading and sold as product for re-use purposes.</p> <p>During 2016, no material was landfilled at the facility. Any materials which were not sold from the facility are temporarily stored on site pending sale.</p> <p>There were no infrastructural or other significant changes during the reporting year.</p> <p>Annual monitoring was conducted for: noise, LF gas, dust, surface water and groundwater. Noise - compliant; LF gas - compliant; dust - compliant; surface water - compliant; groundwater - exceedance for Ammonical Nitrogen in BH-3, BH-6, PW-2 and PW-3.</p>	

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.

	31.03.17
Environmental Consultant, Patel Tonra Ltd.	Date
(or nominated, suitably qualified and experienced deputy)	

AIR-summary template Lic No: W0048-01 Year 2016

Answer all questions and complete all tables where relevant

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

Additional information	
No	Dust deposition monitoring was conducted at two monitoring locations Between Aug and Sep-2016 - results were below the EPA Waste Licence limit value of 350 mg/m2/day.

Periodic/Non-Continuous Monitoring

2 Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below

3 Was all monitoring carried out in accordance with EPA guidance [Basic air monitoring](#) note AG2 and using the basic air monitoring checklist? [checklist](#) **AGN2**

SELECT	
SELECT	

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

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision thereof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments - reason for change in % mass load from previous year if applicable
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		

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

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Continuous Monitoring					

4	Does your site carry out continuous air emissions monitoring? If yes please review your continuous monitoring data and report the required fields below in Table A2 and compare it to its relevant Emission Limit Value (ELV)	SELECT	
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below	SELECT	
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	SELECT	
7	Did your site experience any abatement system bypasses? If yes please detail them in table A3 below	SELECT	

Table A2: Summary of average emissions -continuous monitoring

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

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

Table A3: Abatement system bypass reporting table

[Bypass protocol](#)

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

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

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

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Solvent use and management on site		
8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5		No
Table A4: Solvent Management Plan Summary Total VOC Emission limit value		Please refer to linked solvent regulations to complete table 5 and 6 Solvent regulations
Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)
		Compliance
		Total Emission Limit Value (ELV) in licence or any revision thereof
		SELECT
		SELECT
Table A5: Solvent Mass Balance summary		
	(I) Inputs (kg)	(O) Outputs (kg)
Solvent	(I) Inputs (kg)	Organic solvent emission in waste
		Solvents lost in water (kg)
		Collected waste solvent (kg)
		Fugitive Organic Solvent (kg)
		Solvent released in other ways e.g.
		Solvents destroyed onsite through
		Total emission of Solvent to air (kg)
		Total

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0048-01 Year 2016

Additional information	
<p>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</p>	<p>Patel Tonra Ltd. conducted sampling of surface water on 11th of August 2016. Samples were obtained from surface water monitoring point SW-2. SW-1 and SW-3 were dry at the time of sampling. There were no exceedances of reference limit values.</p>
<p>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</p>	<p>No requirement to complete Table W2</p>

Table W1 Storm water monitoring

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

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

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

Location Reference	Date of inspection	Description of contamination	Source of contamination	Corrective action	Comments
		NOT APPLICABLE	SELECT		
			SELECT		

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

<p>Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below</p>	<p>SELECT</p>	<p>NOT APPLICABLE</p>
<p>Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box</p>	<p>SELECT</p>	<p>External/Internal Lab Quality Assessment of results checklist</p>

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

Emission reference no:	Emission released to	Parameter/ Substance ^{Note 1}	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereof ^{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
	SELECT	SELECT	SELECT		SELECT		SELECT		SELECT	SELECT	SELECT	SELECT			

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

SELECT	NOT APPLICABLE
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7 Do you have a proactive service contract for each piece of continuous monitoring equipment on site?

SELECT	NOT APPLICABLE
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8 Did abatement system bypass occur during the reporting year? If yes please complete table W5 below

SELECT	NOT APPLICABLE
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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
NOT APPLICABLE	SELECT	SELECT		SELECT	SELECT	SELECT					
	SELECT	SELECT		SELECT	SELECT	SELECT					

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

Table W5: Abatement system bypass reporting table

Date	Duration (hours)	Location	Resultant emissions	Reason for bypass	Corrective action*	Was a report submitted to the EPA?	When was this report submitted?
NOT APPLICABLE						SELECT	

*Measures taken or proposed to reduce or limit bypass frequency

Bund testing

dropdown menu click to see options

Additional information

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

Yes	Waste oil is stored in a double-skinned tank, in the garage area. Marrakesh Ltd. consider that the tank's location on site, are adequate mitigation against potential vehicular damage. Bund testing not applicable in this instance.
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	

- 1 Please provide integrity testing frequency period
- 2 Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)
- 3 How many bunds are on site?
- 4 How many of these bunds have been tested within the required test schedule?
- 5 How many mobile bunds are on site?
- 6 Are the mobile bunds included in the bund test schedule?
- 7 How many of these mobile bunds have been tested within the required test schedule?
- 8 How many sumps on site are included in the integrity test schedule?
- 9 How many of these sumps are integrity tested within the test schedule?
- 10 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?

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)
SELECT	SELECT					SELECT			SELECT	SELECT		SELECT		
SELECT	SELECT					SELECT			SELECT	SELECT		SELECT		

* Capacity required should comply with 25% or 100% containment rule as detailed in your licence

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

[bundings and storage guidelines](#)

- 15 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?

SELECT	
SELECT	
SELECT	

Pipeline/underground structure testing

Are you required by your licence to undertake integrity testing* on underground structures e.g. pipelines or sumps etc? If yes please fill out table 2 below listing all underground structures and pipelines on site which failed the integrity test and all which have not been tested within the integrity test period as specified

SELECT	
SELECT	

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				SELECT

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

Groundwater/Soil monitoring template

Lic No:

W0048-01

Year

2016

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 interpretation 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	no		
4	Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell Groundwater monitoring template) and submit separately through ALDER as a licensee return AND answer questions 5-12 below.	no		Analytical results were compared against the Groundwater Regulations 2010. Results were generally in compliance with relevant guideline limit values. There were exceedances for Ammonical Nitrogen in BH-3, BH-6, PW-2 and PW-3.
5	Is the contamination related to operations at the facility (either current and/or historic)	N/A	NOT APPLICABLE	
6	Have actions been taken to address contamination issues? If yes please summarise remediation strategies proposed/undertaken for the site	SELECT	NOT APPLICABLE	
7	Please specify the proposed time frame for the remediation strategy	SELECT	NOT APPLICABLE	
8	Is there a licence condition to carry out/update ELRA for the site?	SELECT	NOT APPLICABLE	
9	Has any type of risk assessment been carried out for the site?	SELECT	NOT APPLICABLE	
10	Has a Conceptual Site Model been developed for the site?	SELECT	NOT APPLICABLE	
11	Have potential receptors been identified on and off site?	SELECT	NOT APPLICABLE	
12	Is there evidence that contamination is migrating offsite?	SELECT	NOT APPLICABLE	

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
11/08/2016	BH-6	Aluminium	Lab analysis	Annually	0.0171	0.0171	mg/l	0.15		No
11/08/2016	BH-6	Ammoniacal Nitrogen	Lab analysis	Annually	0.3	0.3	mg/l	0.18		No
11/08/2016	BH-6	Arsenic	Lab analysis	Annually	<0.00051	<0.00051	mg/l	0.008		No
11/08/2016	BH-6	Barium	Lab analysis	Annually	0.014	0.014	mg/l	-		No
11/08/2016	BH-6	Boron	Lab analysis	Annually	0.087	0.087	mg/l	0.75		No
11/08/2016	BH-6	Cadmium	Lab analysis	Annually	0.0001	0.0001	mg/l	0.004		No
11/08/2016	BH-6	Calcium	Lab analysis	Annually	3.43	3.43	mg/l	-		No
11/08/2016	BH-6	Chloride	Lab analysis	Annually	11.2	11.2	mg/l	-		No
11/08/2016	BH-6	Chromium	Lab analysis	Annually	<0.003	<0.003	mg/l	0.038		No
11/08/2016	BH-6	Copper	Lab analysis	Annually	0.0013	0.0013	mg/l	1.5		No
11/08/2016	BH-6	Cyanide	Lab analysis	Annually	<0.05	<0.05	mg/l	0.04		No
11/08/2016	BH-6	Electrical conductivity	On-site analysis	Annually	0.08	0.08	mS/cm	-		No
11/08/2016	BH-6	Faecal Coliforms	Lab analysis	Annually	18	18	cfus/ 100ml	-		No
11/08/2016	BH-6	Fluoride	Lab analysis	Annually	<0.5	<0.5	mg/l	-		No

Groundwater/Soil monitoring template				Lic No:	W0048-01	Year	2016		
11/08/2016	BH-6	Groundwater Level	On-site analysis	Annually	6.8	6.8	m bgl	-	No
11/08/2016	BH-6	Iron	Lab analysis	Annually	<0.019	<0.019	mg/l	-	No
11/08/2016	BH-6	Kjeldahl Nitrogen	Lab analysis	Annually	<1	<1	mg/l	-	No
11/08/2016	BH-6	Lead	Lab analysis	Annually	0.0002	0.0002	mg/l	0.019	No
11/08/2016	BH-6	Magnesium	Lab analysis	Annually	2.26	2.26	mg/l	-	No
11/08/2016	BH-6	Manganese	Lab analysis	Annually	0.023	0.023	mg/l	-	No
11/08/2016	BH-6	Mercury	Lab analysis	Annually	<0.01	<0.01	mg/l	0.0008	No
11/08/2016	BH-6	Mineral Oils	Lab analysis	Annually	<0.10	<0.10	mg/l	-	No
11/08/2016	BH-6	Nickel	Lab analysis	Annually	0.0013	0.0013	mg/l	0.015	No
11/08/2016	BH-6	Nitrate	Lab analysis	Annually	6.5	6.5	mg/l	37.5	No
11/08/2016	BH-6	Nitrite	Lab analysis	Annually	<0.05	<0.05	mg/l	-	No
11/08/2016	BH-6	Orthophosphate	Lab analysis	Annually	<0.05	<0.05	mg/l	-	No
11/08/2016	BH-6	pH	Lab analysis	Annually	7.6	7.6	pH units	-	No
11/08/2016	BH-6	Phosphorous, Total	Lab analysis	Annually	0.062	0.062	mg	-	No
11/08/2016	BH-6	PAHs (16)	Lab analysis	Annually	<0.0003	<0.0003	mg/l	0.00008	No
11/08/2016	BH-6	Potassium	Lab analysis	Annually	<1.00	<1.00	mg/l	-	No
11/08/2016	BH-6	Selenium	Lab analysis	Annually	0.0008	0.0008	mg/l	-	No
11/08/2016	BH-6	Silver	Lab analysis	Annually	<0.0001	<0.0001	mg/l	-	No
11/08/2016	BH-6	Sodium	Lab analysis	Annually	7.98	7.98	mg/l	-	No
11/08/2016	BH-6	Sulphate	Lab analysis	Annually	4	4	mg/l	187.5	No
11/08/2016	BH-6	Total Alkalinity	Lab analysis	Annually	10.3	10.3	mg/l	-	No
11/08/2016	BH-6	Total Coliforms	Lab analysis	Annually	190	190	cfus/ 100ml	-	No
11/08/2016	BH-6	Total Organic Carbon	Lab analysis	Annually	<3	<3	mg/l	-	No
11/08/2016	BH-6	Total Oxidised Nitrogen	Lab analysis	Annually	1.79	1.79	mg/l	-	No
11/08/2016	BH-6	Total Solids	Lab analysis	Annually	60	60	mg/l	-	No
11/08/2016	BH-6	Zinc	Lab analysis	Annually	0.0223	0.0223	mg/l	-	No
11/08/2016	BH-2	Aluminium	Lab analysis	Annually	<0.002	<0.002	mg/l	0.15	No
11/08/2016	BH-2	Ammoniacal Nitrogen	Lab analysis	Annually	<0.2	<0.2	mg/l	0.18	No
11/08/2016	BH-2	Arsenic	Lab analysis	Annually	0.0005	0.0005	mg/l	0.008	No
11/08/2016	BH-2	Barium	Lab analysis	Annually	0.022	0.022	mg/l	-	No
11/08/2016	BH-2	Boron	Lab analysis	Annually	0.007	0.007	mg/l	0.75	No
11/08/2016	BH-2	Cadmium	Lab analysis	Annually	<0.00008	<0.00008	mg/l	0.004	No
11/08/2016	BH-2	Calcium	Lab analysis	Annually	121	121	mg/l	-	No
11/08/2016	BH-2	Chloride	Lab analysis	Annually	20	20	mg/l	-	No
11/08/2016	BH-2	Chromium	Lab analysis	Annually	0.018	0.018	mg/l	0.038	No
11/08/2016	BH-2	Copper	Lab analysis	Annually	<0.0009	<0.0009	mg/l	1.5	No
11/08/2016	BH-2	Cyanide	Lab analysis	Annually	<0.05	<0.05	mg/l	0.04	No
11/08/2016	BH-2	Electrical conductivity	On-site analysis	Annually	0.7	0.7	mS/cm	-	No
11/08/2016	BH-2	Faecal Coliforms	Lab analysis	Annually	1100	1100	cfus/ 100ml	-	No

Groundwater/Soil monitoring template					Lic No:	W0048-01	Year	2016	
11/08/2016	BH-2	Fluoride	Lab analysis	Annually	<0.5	<0.5	mg/l	-	No
11/08/2016	BH-2	Groundwater Level	On-site analysis	Annually	3.49	3.49	m bgl	-	No
11/08/2016	BH-2	Iron	Lab analysis	Annually	<0.019	<0.019	mg/l	-	No
11/08/2016	BH-2	Kjeldahl Nitrogen	Lab analysis	Annually	<1	<1	mg/l	-	No
11/08/2016	BH-2	Lead	Lab analysis	Annually	<0.00001	<0.00001	mg/l	0.019	No
11/08/2016	BH-2	Magnesium	Lab analysis	Annually	6.93	6.93	mg/l	-	No
11/08/2016	BH-2	Manganese	Lab analysis	Annually	0.0019	0.0019	mg/l	-	No
11/08/2016	BH-2	Mercury	Lab analysis	Annually	<0.00001	<0.00001	mg/l	0.0008	No
11/08/2016	BH-2	Mineral Oils	Lab analysis	Annually	<0.01	<0.01	mg/l	-	No
11/08/2016	BH-2	Nickel	Lab analysis	Annually	0.001	0.001	mg/l	0.015	No
11/08/2016	BH-2	Nitrate	Lab analysis	Annually	5	5	mg/l	37.5	No
11/08/2016	BH-2	Nitrite	Lab analysis	Annually	<0.05	<0.05	mg/l	-	No
11/08/2016	BH-2	Orthophosphate	Lab analysis	Annually	<0.05	<0.05	mg/l	-	No
11/08/2016	BH-2	pH	Lab analysis	Annually	7.7	7.7	pH units	-	No
11/08/2016	BH-2	Phosphorous, Total	Lab analysis	Annually	0.52	0.52	mg	-	No
11/08/2016	BH-2	PAHs (16)	Lab analysis	Annually	<0.0003	<0.0003	mg/l	0.00008	No
11/08/2016	BH-2	Potassium	Lab analysis	Annually	1.3	1.3	mg/l	-	No
11/08/2016	BH-2	Selenium	Lab analysis	Annually	<0.0008	<0.0008	mg/l	-	No
11/08/2016	BH-2	Silver	Lab analysis	Annually	<0.001	<0.001	mg/l	-	No
11/08/2016	BH-2	Sodium	Lab analysis	Annually	13.3	13.3	mg/l	-	No
11/08/2016	BH-2	Sulphate	Lab analysis	Annually	52	52	mg/l	187.5	No
11/08/2016	BH-2	Total Alkalinity	Lab analysis	Annually	286	286	mg/l	-	No
11/08/2016	BH-2	Total Coliforms	Lab analysis	Annually	2200	2200	cfus/ 100ml	-	No
11/08/2016	BH-2	Total Organic Carbon	Lab analysis	Annually	<3	<3	mg/l	-	No
11/08/2016	BH-2	Total Oxidised Nitrogen	Lab analysis	Annually	1.14	1.14	mg/l	-	No
11/08/2016	BH-2	Total Solids	Lab analysis	Annually	458	458	mg/l	-	No
11/08/2016	BH-2	Zinc	Lab analysis	Annually	0.0065	0.0065	mg/l	-	No
11/08/2016	BH-3	Aluminium	Lab analysis	Annually	<0.0002	<0.0002	mg/l	0.15	No
11/08/2016	BH-3	Ammoniacal Nitrogen	Lab analysis	Annually	0.4	0.4	mg/l	0.18	No
11/08/2016	BH-3	Arsenic	Lab analysis	Annually	<0.0005	<0.0005	mg/l	0.008	No
11/08/2016	BH-3	Barium	Lab analysis	Annually	0.03	0.03	mg/l	-	No
11/08/2016	BH-3	Boron	Lab analysis	Annually	0.013	0.013	mg/l	0.75	No
11/08/2016	BH-3	Cadmium	Lab analysis	Annually	<0.00008	<0.00008	mg/l	0.004	No
11/08/2016	BH-3	Calcium	Lab analysis	Annually	100	100	mg/l	-	No
11/08/2016	BH-3	Chloride	Lab analysis	Annually	18	18	mg/l	-	No
11/08/2016	BH-3	Chromium	Lab analysis	Annually	0.004	0.004	mg/l	0.038	No
11/08/2016	BH-3	Copper	Lab analysis	Annually	<0.00085	<0.00085	mg/l	1.5	No
11/08/2016	BH-3	Cyanide	Lab analysis	Annually	<0.05	<0.05	mg/l	0.04	No
11/08/2016	BH-3	Electrical conductivity	On-site analysis	Annually	0.57	0.57	mS/cm	-	No

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11/08/2016	BH-3	Faecal Coliforms	Lab analysis	Annually	>1000000	>1000000	cfus/ 100ml	-		No
11/08/2016	BH-3	Fluoride	Lab analysis	Annually	<0.5	<0.5	mg/l	-		No
11/08/2016	BH-3	Groundwater Level	On-site analysis	Annually	6.45	6.45	m bgl	-		No
11/08/2016	BH-3	Iron	Lab analysis	Annually	<0.02	<0.02	mg/l	-		No
11/08/2016	BH-3	Kjeldahl Nitrogen	Lab analysis	Annually	<1	<1	mg/l	-		No
11/08/2016	BH-3	Lead	Lab analysis	Annually	0.00038	0.00038	mg/l	0.019		No
11/08/2016	BH-3	Magnesium	Lab analysis	Annually	6.15	6.15	mg/l	-		No
11/08/2016	BH-3	Manganese	Lab analysis	Annually	<0.00076	<0.00076	mg/l	-		No
11/08/2016	BH-3	Mercury	Lab analysis	Annually	<0.01	<0.01	mg/l	0.0008		No
11/08/2016	BH-3	Mineral Oils	Lab analysis	Annually	<0.01	<0.01	mg/l	-		No
11/08/2016	BH-3	Nickel	Lab analysis	Annually	0.003	0.003	mg/l	0.015		No
11/08/2016	BH-3	Nitrate	Lab analysis	Annually	5	5	mg/l	37.5		No
11/08/2016	BH-3	Nitrite	Lab analysis	Annually	<0.05	<0.05	mg/l	-		No
11/08/2016	BH-3	Orthophosphate	Lab analysis	Annually	0.85	0.85	mg/l	-		No
11/08/2016	BH-3	pH	Lab analysis	Annually	8.3	8.3	pH units	-		No
11/08/2016	BH-3	Phosphorous, Total	Lab analysis	Annually	0.222	0.222	mg	-		No
11/08/2016	BH-3	PAHs (16)	Lab analysis	Annually	<0.0003	<0.0003	mg/l	0.00008		No
11/08/2016	BH-3	Potassium	Lab analysis	Annually	<1	<1	mg/l	-		No
11/08/2016	BH-3	Selenium	Lab analysis	Annually	<0.00081	<0.00081	mg/l	-		No
11/08/2016	BH-3	Silver	Lab analysis	Annually	<0.001	<0.001	mg/l	-		No
11/08/2016	BH-3	Sodium	Lab analysis	Annually	12	12	mg/l	-		No
11/08/2016	BH-3	Sulphate	Lab analysis	Annually	48	48	mg/l	187.5		No
11/08/2016	BH-3	Total Alkalinity	Lab analysis	Annually	245	245	mg/l	-		No
11/08/2016	BH-3	Total Coliforms	Lab analysis	Annually	>1000000	>1000000	cfus/ 100ml	-		No
11/08/2016	BH-3	Total Organic Carbon	Lab analysis	Annually	<3	<3	mg/l	-		No
11/08/2016	BH-3	Total Oxidised Nitrogen	Lab analysis	Annually	1.27	1.27	mg/l	-		No
11/08/2016	BH-3	Total Solids	Lab analysis	Annually	355	355	mg/l	-		No
11/08/2016	BH-3	Zinc	Lab analysis	Annually	0.004	0.004	mg/l	-		No
11/08/2016	BH-7	Aluminium	Lab analysis	Annually	-	-	mg/l	0.15		No
11/08/2016	BH-7	Ammoniacal Nitrogen	Lab analysis	Annually	-	-	mg/l	0.18		No
11/08/2016	BH-7	Arsenic	Lab analysis	Annually	-	-	mg/l	0.008		No
11/08/2016	BH-7	Barium	Lab analysis	Annually	-	-	mg/l	-		No
11/08/2016	BH-7	Boron	Lab analysis	Annually	-	-	mg/l	0.75		No
11/08/2016	BH-7	Cadmium	Lab analysis	Annually	-	-	mg/l	0.004		No
11/08/2016	BH-7	Calcium	Lab analysis	Annually	-	-	mg/l	-		No
11/08/2016	BH-7	Chloride	Lab analysis	Annually	-	-	mg/l	-		No
11/08/2016	BH-7	Chromium	Lab analysis	Annually	-	-	mg/l	0.038		No
11/08/2016	BH-7	Copper	Lab analysis	Annually	-	-	mg/l	1.5		No
11/08/2016	BH-7	Cyanide	Lab analysis	Annually	-	-	mg/l	0.04		No

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11/08/2016	BH-7	Electrical conductivity	On-site analysis	Annually	-	-	mS/cm	-	No
11/08/2016	BH-7	Faecal Coliforms	Lab analysis	Annually	-	-	cfus/ 100ml	-	No
11/08/2016	BH-7	Fluoride	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-7	Groundwater Level	On-site analysis	Annually	-	-	m bgl	-	No
11/08/2016	BH-7	Iron	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-7	Kjeldahl Nitrogen	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-7	Lead	Lab analysis	Annually	-	-	mg/l	0.019	No
11/08/2016	BH-7	Magnesium	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-7	Manganese	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-7	Mercury	Lab analysis	Annually	-	-	mg/l	0.0008	No
11/08/2016	BH-7	Mineral Oils	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-7	Nickel	Lab analysis	Annually	-	-	mg/l	0.015	No
11/08/2016	BH-7	Nitrate	Lab analysis	Annually	-	-	mg/l	37.5	No
11/08/2016	BH-7	Nitrite	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-7	Orthophosphate	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-7	pH	Lab analysis	Annually	-	-	pH units	-	No
11/08/2016	BH-7	Phosphorous, Total	Lab analysis	Annually	-	-	mg	-	No
11/08/2016	BH-7	PAHs (16)	Lab analysis	Annually	-	-	mg/l	0.00008	No
11/08/2016	BH-7	Potassium	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-7	Selenium	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-7	Silver	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-7	Sodium	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-7	Sulphate	Lab analysis	Annually	-	-	mg/l	187.5	No
11/08/2016	BH-7	Total Alkalinity	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-7	Total Coliforms	Lab analysis	Annually	-	-	cfus/ 100ml	-	No
11/08/2016	BH-7	Total Organic Carbon	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-7	Total Oxidised Nitrogen	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-7	Total Solids	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-7	Zinc	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-8	Aluminium	Lab analysis	Annually	-	-	mg/l	0.15	No
11/08/2016	BH-8	Ammoniacal Nitrogen	Lab analysis	Annually	-	-	mg/l	0.18	No
11/08/2016	BH-8	Arsenic	Lab analysis	Annually	-	-	mg/l	0.008	No
11/08/2016	BH-8	Barium	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-8	Boron	Lab analysis	Annually	-	-	mg/l	0.75	No
11/08/2016	BH-8	Cadmium	Lab analysis	Annually	-	-	mg/l	0.004	No
11/08/2016	BH-8	Calcium	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-8	Chloride	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-8	Chromium	Lab analysis	Annually	-	-	mg/l	0.038	No
11/08/2016	BH-8	Copper	Lab analysis	Annually	-	-	mg/l	1.5	No

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11/08/2016	BH-8	Cyanide	Lab analysis	Annually	-	-	mg/l	0.04	No
11/08/2016	BH-8	Electrical conductivity	On-site analysis	Annually	-	-	mS/cm	-	No
11/08/2016	BH-8	Faecal Coliforms	Lab analysis	Annually	-	-	cfus/ 100ml	-	No
11/08/2016	BH-8	Fluoride	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-8	Groundwater Level	On-site analysis	Annually	-	-	m bgl	-	No
11/08/2016	BH-8	Iron	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-8	Kjeldahl Nitrogen	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-8	Lead	Lab analysis	Annually	-	-	mg/l	0.019	No
11/08/2016	BH-8	Magnesium	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-8	Manganese	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-8	Mercury	Lab analysis	Annually	-	-	mg/l	0.0008	No
11/08/2016	BH-8	Mineral Oils	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-8	Nickel	Lab analysis	Annually	-	-	mg/l	0.015	No
11/08/2016	BH-8	Nitrate	Lab analysis	Annually	-	-	mg/l	37.5	No
11/08/2016	BH-8	Nitrite	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-8	Orthophosphate	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-8	pH	Lab analysis	Annually	-	-	pH units	-	No
11/08/2016	BH-8	Phosphorous, Total	Lab analysis	Annually	-	-	mg	-	No
11/08/2016	BH-8	PAHs (16)	Lab analysis	Annually	-	-	mg/l	0.00008	No
11/08/2016	BH-8	Potassium	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-8	Selenium	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-8	Silver	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-8	Sodium	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-8	Sulphate	Lab analysis	Annually	-	-	mg/l	187.5	No
11/08/2016	BH-8	Total Alkalinity	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-8	Total Coliforms	Lab analysis	Annually	-	-	cfus/ 100ml	-	No
11/08/2016	BH-8	Total Organic Carbon	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-8	Total Oxidised Nitrogen	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-8	Total Solids	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	BH-8	Zinc	Lab analysis	Annually	-	-	mg/l	-	No
11/08/2016	PW-2	Aluminium	Lab analysis	Annually	0.002	0.002	mg/l	0.15	No
11/08/2016	PW-2	Ammoniacal Nitrogen	Lab analysis	Annually	0.9	0.9	mg/l	0.18	No
11/08/2016	PW-2	Arsenic	Lab analysis	Annually	<0.0005	<0.0005	mg/l	0.008	No
11/08/2016	PW-2	Barium	Lab analysis	Annually	0.02	0.02	mg/l	-	No
11/08/2016	PW-2	Boron	Lab analysis	Annually	0.012	0.012	mg/l	0.75	No
11/08/2016	PW-2	Cadmium	Lab analysis	Annually	<0.0001	<0.0001	mg/l	0.004	No
11/08/2016	PW-2	Calcium	Lab analysis	Annually	88.8	88.8	mg/l	-	No
11/08/2016	PW-2	Chloride	Lab analysis	Annually	15.1	15.1	mg/l	-	No
11/08/2016	PW-2	Chromium	Lab analysis	Annually	<3	<3	mg/l	0.038	No

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11/08/2016	PW-2	Copper	Lab analysis	Annually	0.021	0.021	mg/l	1.5		No
11/08/2016	PW-2	Cyanide	Lab analysis	Annually	<0.05	<0.05	mg/l	0.04		No
11/08/2016	PW-2	Electrical conductivity	On-site analysis	Annually	0.52	0.52	mS/cm	-		No
11/08/2016	PW-2	Faecal Coliforms	Lab analysis	Annually	18	18	cfus/ 100ml	-		No
11/08/2016	PW-2	Fluoride	Lab analysis	Annually	<0.5	<0.5	mg/l	-		No
11/08/2016	PW-2	Groundwater Level	On-site analysis	Annually	0	0	m bgl	-		No
11/08/2016	PW-2	Iron	Lab analysis	Annually	0.093	0.093	mg/l	-		No
11/08/2016	PW-2	Kjeldahl Nitrogen	Lab analysis	Annually	<1	<1	mg/l	-		No
11/08/2016	PW-2	Lead	Lab analysis	Annually	0.0037	0.0037	mg/l	0.019		No
11/08/2016	PW-2	Magnesium	Lab analysis	Annually	4.71	4.71	mg/l	-		No
11/08/2016	PW-2	Manganese	Lab analysis	Annually	0.0013	0.0013	mg/l	-		No
11/08/2016	PW-2	Mercury	Lab analysis	Annually	<0.00001	<0.00001	mg/l	0.0008		No
11/08/2016	PW-2	Mineral Oils	Lab analysis	Annually	<0.01	<0.01	mg/l	-		No
11/08/2016	PW-2	Nickel	Lab analysis	Annually	<0.0004	<0.0004	mg/l	0.015		No
11/08/2016	PW-2	Nitrate	Lab analysis	Annually	12.3	12.3	mg/l	37.5		No
11/08/2016	PW-2	Nitrite	Lab analysis	Annually	<0.05	<0.05	mg/l	-		No
11/08/2016	PW-2	Orthophosphate	Lab analysis	Annually	<0.05	<0.05	mg/l	-		No
11/08/2016	PW-2	pH	Lab analysis	Annually	7.5	7.5	pH units	-		No
11/08/2016	PW-2	Phosphorous, Total	Lab analysis	Annually	<0.02	<0.02	mg	-		No
11/08/2016	PW-2	PAHs (16)	Lab analysis	Annually	<0.0003	<0.0003	mg/l	0.00008		No
11/08/2016	PW-2	Potassium	Lab analysis	Annually	2.93	2.93	mg/l	-		No
11/08/2016	PW-2	Selenium	Lab analysis	Annually	<0.0008	<0.0008	mg/l	-		No
11/08/2016	PW-2	Silver	Lab analysis	Annually	<0.001	<0.001	mg/l	-		No
11/08/2016	PW-2	Sodium	Lab analysis	Annually	10.4	10.4	mg/l	-		No
11/08/2016	PW-2	Sulphate	Lab analysis	Annually	23	23	mg/l	187.5		No
11/08/2016	PW-2	Total Alkalinity	Lab analysis	Annually	225	225	mg/l	-		No
11/08/2016	PW-2	Total Coliforms	Lab analysis	Annually	940	940	cfus/ 100ml	-		No
11/08/2016	PW-2	Total Organic Carbon	Lab analysis	Annually	<3	<3	mg/l	-		No
11/08/2016	PW-2	Total Oxidised Nitrogen	Lab analysis	Annually	2.85	2.85	mg/l	-		No
11/08/2016	PW-2	Total Solids	Lab analysis	Annually	299	299	mg/l	-		No
11/08/2016	PW-2	Zinc	Lab analysis	Annually	0.018	0.018	mg/l	-		No
11/08/2016					0	0		0		
11/08/2016	PW-3	Aluminium	Lab analysis	Annually	0.002	0.002	mg/l	0.15		No
11/08/2016	PW-3	Ammoniacal Nitrogen	Lab analysis	Annually	0.5	0.5	mg/l	0.18		No
11/08/2016	PW-3	Arsenic	Lab analysis	Annually	<0.0005	<0.0005	mg/l	0.008		No
11/08/2016	PW-3	Barium	Lab analysis	Annually	0.002	0.002	mg/l	-		No
11/08/2016	PW-3	Boron	Lab analysis	Annually	<0.006	<0.006	mg/l	0.75		No
11/08/2016	PW-3	Cadmium	Lab analysis	Annually	<0.0001	<0.0001	mg/l	0.004		No
11/08/2016	PW-3	Calcium	Lab analysis	Annually	37.7	37.7	mg/l	-		No
11/08/2016	PW-3	Chloride	Lab analysis	Annually	15.4	15.4	mg/l	-		No

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11/08/2016	PW-3	Chromium	Lab analysis	Annually	<0.003	<0.003	mg/l	0.038	No
11/08/2016	PW-3	Copper	Lab analysis	Annually	0.008	0.008	mg/l	1.5	No
11/08/2016	PW-3	Cyanide	Lab analysis	Annually	<0.05	<0.05	mg/l	0.04	No
11/08/2016	PW-3	Electrical conductivity	On-site analysis	Annually	0.36	0.36	mS/cm	-	No
11/08/2016	PW-3	Faecal Coliforms	Lab analysis	Annually	31	31	cfus/ 100ml	-	No
11/08/2016	PW-3	Fluoride	Lab analysis	Annually	<0.5	<0.5	mg/l	-	No
11/08/2016	PW-3	Iron	Lab analysis	Annually	0.271	0.271	mg/l	-	No
11/08/2016	PW-3	Kjeldahl Nitrogen	Lab analysis	Annually	<1	<1	mg/l	-	No
11/08/2016	PW-3	Lead	Lab analysis	Annually	0.0005	0.0005	mg/l	0.019	No
11/08/2016	PW-3	Magnesium	Lab analysis	Annually	14.8	14.8	mg/l	-	No
11/08/2016	PW-3	Manganese	Lab analysis	Annually	0.008	0.008	mg/l	-	No
11/08/2016	PW-3	Mercury	Lab analysis	Annually	<0.00001	<0.00001	mg/l	0.0008	No
11/08/2016	PW-3	Mineral Oils	Lab analysis	Annually	<0.01	<0.01	mg/l	-	No
11/08/2016	PW-3	Nickel	Lab analysis	Annually	<0.0004	<0.0004	mg/l	0.015	No
11/08/2016	PW-3	Nitrate	Lab analysis	Annually	4.49	4.49	mg/l	37.5	No
11/08/2016	PW-3	Nitrite	Lab analysis	Annually	<0.05	<0.05	mg/l	-	No
11/08/2016	PW-3	Orthophosphate	Lab analysis	Annually	<0.05	<0.05	mg/l	-	No
11/08/2016	PW-3	pH	Lab analysis	Annually	7.8	7.8	pH units	-	No
11/08/2016	PW-3	Phosphorous, Total	Lab analysis	Annually	<0.02	<0.02	mg	-	No
11/08/2016	PW-3	PAHs (16)	Lab analysis	Annually	<0.0003	<0.0003	mg/l	0.00008	No
11/08/2016	PW-3	Potassium	Lab analysis	Annually	<1.0	<1.0	mg/l	-	No
11/08/2016	PW-3	Selenium	Lab analysis	Annually	<0.0008	<0.0008	mg/l	-	No
11/08/2016	PW-3	Silver	Lab analysis	Annually	<0.001	<0.001	mg/l	-	No
11/08/2016	PW-3	Sodium	Lab analysis	Annually	13.8	13.8	mg/l	-	No
11/08/2016	PW-3	Sulphate	Lab analysis	Annually	14	14	mg/l	187.5	No
11/08/2016	PW-3	Total Alkalinity	Lab analysis	Annually	149	149	mg/l	-	No
11/08/2016	PW-3	Total Coliforms	Lab analysis	Annually	36	36	cfus/ 100ml	-	No
11/08/2016	PW-3	Total Organic Carbon	Lab analysis	Annually	<3	<3	mg/l	-	No
11/08/2016	PW-3	Total Oxidised Nitrogen	Lab analysis	Annually	1	1	mg/l	-	No
11/08/2016	PW-3	Total Solids	Lab analysis	Annually	205	205	mg/l	-	No
11/08/2016	PW-3	Zinc	Lab analysis	Annually	0.013	0.013	mg/l	-	No

*please note exceedance of generic assessment criteria (GAC) such as a Groundwater Threshold Value (GTV) or an Interim Guideline Value (IGV) or an upward trend in results for a substance indicates that further interpretation of monitoring results is required. In addition to completing the above table, please complete the Groundwater Monitoring Guideline Template Report at the link provided and submit separately through ALDER as a licensee return or as otherwise instructed by the EPA. [Groundwater monitoring template](#)

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<p>More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the link in G31)</p>	<p>Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites (EPA 2013).</p>			
<p>**Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV e.g. if the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS), if the site is close to a drinking water supply compare results to the Drinking Water Standards (DWS)</p>	<p>Surface water EQS</p>	<p>Groundwater regulations</p>	<p>Drinking water (private supply) standards</p>	<p>Drinking water (public supply) standards</p>

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Table 3: Soil results

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

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

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

		Commentary	
1	ELRA initial agreement status	Submitted and not agreed by EPA;	
2	ELRA review status	SELECT	
3	Amount of Financial Provision cover required as determined by the latest ELRA	Specify	
4	Financial Provision for ELRA status	SELECT	
5	Financial Provision for ELRA - amount of cover	Specify	
6	Financial Provision for ELRA - type	SELECT	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	SELECT	
9	Closure plan review status	SELECT	
10	Financial Provision for Closure status	SELECT	
11	Financial Provision for Closure - amount of cover	Specify	
12	Financial Provision for Closure - type	SELECT	
13	Financial provision for Closure expiry date	Enter expiry date	

Environmental Management Programme/Continuous Improvement Programme template	Lic No:	W0048-01	Year	2016
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	Highlighted cells contain dropdown menu click to view	Additional Information
1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Yes
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	No
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Waste reduction/Raw material usage efficiency	Maximise recovery of incoming wastes	100		Individual	Improved Environmental Management Practices
Groundwater protection	Ongoing monitoring and measurement - water	100		Individual	Improved Environmental Management Practices
Noise reduction	Ongoing monitoring and measurement - noise	100		Individual	Improved Environmental Management Practices
Reduction of emissions to Air	Ongoing monitoring and measurement - dust and landfill gas	100		Individual	Improved Environmental Management Practices

Noise monitoring summary report Lic No: W0048-01 Year: 2016

- 1 Was noise monitoring a licence requirement for the AER period?
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](#)
- 3 Does your site have a noise reduction plan
- 4 When was the noise reduction plan last updated?
- 5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?

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)?
16/09/2016	09:43-10:13		NSL1	43	38	43		No	Yes	The dominant noise source in the vicinity of NSL3 is traffic on the N11 dual-carriageway, which runs east of the Marrakesh site.	Yes
16/09/2016	11:43-12:04		NSL1	41	37	42		No	Yes		Yes
16/09/2016	13:20-13:50		NSL1	40	37	41		No	Yes		Yes
16/09/2016	09:01-09:31		NSL2	54	51	57		No	Yes		Yes
16/09/2016	12:14-12:44		NSL2	53	49	54		No	Yes		Yes
16/09/2016	14:00-14:30		NSL2	54	51	55		No	Yes		Yes
16/09/2016	08:25-08:55		NSL3	64	61	65		No	Yes		Yes
16/09/2016	10:21-10:51		NSL3	61	58	63		No	Yes		Yes
16/09/2015	12:11-12:41		NSL3	61	58	63		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?

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

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

Additional information	
No audit completed other than ongoing monitoring of usage by licensee.	Cells D10 and E10 based on SEAI: 10.169kWh/litre of diesel
No	
SELECT	Not Applicable

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)	338.84	579.15	70.92%	
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	3.26	4.6	41.10%	
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)	33	56.5	71.21%	
Light Fuel Oil (m3)				
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

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

Table R2 Water usage on site					Water Emissions	Water Consumption	
Water use	Water extracted Previous year m3/yr.	Water extracted Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Volume Discharged back to environment(m ³ /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:
Groundwater							
Surface water							
Public supply							
Recycled water							
Total							

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

Resource Usage/Energy efficiency summary	Lic No: W0048-01	Year	2016
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Table R3 Waste Stream Summary					
	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)					
Non-Hazardous (Tonnes)	104.6	4.6		100	

Table R4: Energy Audit finding recommendations								
Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
			SELECT					
			SELECT					
			SELECT					

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

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

WASTE SUMMARY	Lic No:	W0048-01	Year	2016
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SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES

PRTR facility location

dropdown list click to see options

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

Additional Information

Yes

C&D materials (Soil & Stones, Concrete, Bituminous Mixtures, Mixed C&D Waste) are accepted at the facility for screening, segregation, sorting and grading and sold as product for re-use purposes. During 2016 no material was landfilled at the facility. Any materials which were not sold from the facility are temporarily stored on site pending sale.

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 1 boundaries is to be captured through PRTR reporting)

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

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

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)	EWG code	Source of waste accepted	Description of waste accepted <i>Please enter an accurate and detailed description - which applies to relevant EWG code</i> European Waste Catalogue EWG 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 -
10000	17 01 01	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	concrete	48,116.88	23,029.46	109%	Market demand	0%	R5-Recycling/reclamation or other inorganic materials which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials	23,892	Qty remaining on site is the difference of material IN vs. OUT for 2016
10000	17 05 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	soil & stones	17,917.56	27,600.79	-35%	Market demand	0%	R5-Recycling/reclamation or other inorganic materials which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials	3,355	Qty remaining on site is the difference of material IN vs. OUT for 2016
100000	17 03 02	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Bituminous Mixtures	8,443.84	4,926.74	71%	Market demand	0%	R5-Recycling/reclamation or other inorganic materials which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials	2,995	Qty remaining on site is the difference of material IN vs. OUT for 2016

SECTION C-TO BE COMPLETED BY ALL WASTE FACILITIES (waste transfer stations, Composters, Material recovery facilities etc) EXCEPT LANDFILL SITE:

4 Is all waste processing infrastructure as required by your licence and approved by the Agency in place? If no please list waste processing infrastructure required onsite

SELECT

5 Is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site

SELECT

WASTE SUMMARY		Lic No:	W0048-01	Year	2016
6 Does your facility have relevant nuisance controls in place?			SELECT		
7 Do you have an odour management system in place for your facility? If no why?			SELECT		
8 Do you maintain a sludge register on site?			SELECT		

SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY
Table 2 Waste type and tonnage-landfill only

Waste types permitted for disposal	Authorised/licenced annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)	Remaining licensed capacity at end of reporting year (m3)	Comments
C&D	100,000	0		

Table 3 General information-Landfill only

Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	Inert or non-hazardous	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbestos?	Accepted asbestos in reporting year	Total disposal area occupied by waste	Lined disposal area occupied by waste	Unlined area	Comments on liner type
										SELECT UNIT	SELECT UNIT	SELECT UNIT	
Entire LF	2000	N/A	No	Private	Inert		No						Not lined

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 (ELYs)	Was topography of the site surveyed in reporting year	Has the statement under SSC(A)(5) of WMA been submitted in reporting year	Comments
Yes	N/A	Yes	Yes	No	No	No	No	No change in levels since previous topo survey

+ 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?

No
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
Not applicable			SELECT	



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2016.xlsm | Return Year : 2016 |

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[Guidance to completing the PRTR workbook](#)

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR	2016
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1. FACILITY IDENTIFICATION

Parent Company Name	Marrakesh Limited
Facility Name	Kilmurry South
PRTR Identification Number	W0048
Licence Number	W0048-01

Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Bray
Address 2	
Address 3	
Address 4	
	Wicklow
Country	Ireland
Coordinates of Location	-6.13329 53.1506
River Basin District	IEEA
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Luke Martin
AER Returns Contact Email Address	lukem@pateltonra.com
AER Returns Contact Position	Environmental Consultant
AER Returns Contact Telephone Number	01 8020520
AER Returns Contact Mobile Phone Number	

AER Returns Contact Fax Number	01 8020525
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	5
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5(d)	Landfills
5(c)	Installations for the disposal of non-hazardous waste
50.1	General

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

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

4. WASTE IMPORTED/ACCEPTED ONTO SITE

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

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

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#: W0048 | Facility Name : Kilmurry South | Filename : W0048_PRTR 2016.xlsm | Return Year : 2016 |

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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 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

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

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

* 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:

Please enter summary data on the quantities of methane flared and / or utilised		Kilmurry South			
	T (Total) kg/Year	M/C/E	Method Code	Designation or Description	Facility Total Capacity m3 per hour
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# : W0048 | Facility Name : Kilmurry South | Filename : W0048 - PRTR 2016.xlsm | Return Year : 2016]

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SECTION A - SECTOR SPECIFIC PRTR POLLUTANTS

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

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# : W0048 | Facility Name : Kilmurry South | Filename : W0048_PRTR 2016.xlsm | Return Ye

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SECTION A : PRTR POLLUTANTS

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

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

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

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

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

4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

| PRTR# : W0048 | Facility Name : Kilmurry South | Filename : W0048_PRTR 2016.xlsm | Return Year : 2016 |

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SECTION A : PRTR POLLUTANTS

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

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

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

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

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : W0048 | Facility Name : Kilmurry South | Filename : W0048_PRTR 2016.xdsm | Return Year : 2016 |

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Please enter all quantities on this sheet in Tonnes

5

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 : Address of Next Destination Facility	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		Haz Waste : Name and Licence/Permit No of Recover/Disposer	Non Haz Waste: Address of Recover/Disposer			
Within the Country	17 01 01	No	24225.1	concrete	R5	M	Weighed	Offsite in Ireland	Various off-site reuse in construction-related activities,Not Applicable	,Ireland		
Within the Country	17 03 02	No	5449.1	bituminous mixtures containing other than those mentioned in 17 03 01	R5	M	Weighed	Offsite in Ireland	Various off-site reuse in construction-related activities,Not applicable	,Ireland		
Within the Country	17 05 04	No	21272.8	soil and stones other than those mentioned in 17 05 03	R5	M	Weighed	Offsite in Ireland	Various off-site reuse in construction-related activities,Not applicable	,Ireland		
Within the Country	19 12 02	No	100.0	ferrous metal	R4	M	Weighed	Offsite in Ireland	Multimetals,WFP-WW-13-0014-04		Bollanney,The Murrough,Wicklow Town,0,ireland		
Within the Country	20 03 01	No	4.2	mixed municipal waste	D15	M	Weighed	Offsite in Ireland	Starrus Eco Holdings - Starrus Eco Holdings Ltd - Bray MRF W0053-03		Fassaroe,Bray,Co Wicklow,,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-fi	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*
94	9	9	Activities of other membership organisations n.e.c.	9499

Emission Type : Air

Category Specific PRTR Pollutants

Pollutant_Number	Pollutant_Name	Pollutant_Lookup
55	1,1,1-trichloroethane	55 - 1,1,1-trichloroethane
06	Ammonia (NH3)	06 - Ammonia (NH3)
17	Arsenic and compounds (as As)	17 - Arsenic and compounds (as As)
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)
19	Chromium and compounds (as Cr)	19 - Chromium and compounds (as Cr)
20	Copper and compounds (as Cu)	20 - Copper and compounds (as Cu)
42	Hexachlorobenzene (HCB)	42 - Hexachlorobenzene (HCB)
04	Hydro-fluorocarbons (HFCs)	04 - Hydro-fluorocarbons (HFCs)
23	Lead and compounds (as Pb)	23 - Lead and compounds (as Pb)
21	Mercury and compounds (as Hg)	21 - Mercury and compounds (as Hg)
01	Methane (CH4)	01 - Methane (CH4)
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
86	Particulate matter (PM10)	86 - Particulate matter (PM10)
47	PCDD + PCDF (dioxins + furans)	47 - PCDD + PCDF (dioxins + furans)
48	Pentachlorobenzene	48 - Pentachlorobenzene
10	Sulphur hexafluoride (SF6)	10 - Sulphur hexafluoride (SF6)
11	Sulphur oxides (SOx/SO2)	11 - Sulphur oxides (SOx/SO2)
53	Tetrachloromethane (TCM)	53 - Tetrachloromethane (TCM)
24	Zinc and compounds (as Zn)	24 - Zinc and compounds (as Zn)

Remaining PRTR Pollutants

Pollutant_Number	Pollutant_Name	Pollutant_Lookup
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)
26	Aldrin	26 - Aldrin
61	Anthracene	61 - Anthracene
81	Asbestos	81 - Asbestos
62	Benzene	62 - Benzene
28	Chlordane	28 - Chlordane
29	Chlordecone	29 - Chlordecone
79	Chlorides (as Cl)	79 - Chlorides (as Cl)
80	Chlorine and inorganic compounds (as HCl)	80 - Chlorine and inorganic compounds (as HCl)
15	Chlorofluorocarbons (CFCs)	15 - Chlorofluorocarbons (CFCs)
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
14	Hydrochlorofluorocarbons (HCFCs)	14 - Hydrochlorofluorocarbons (HCFCs)
85	Hydrogen cyanide (HCN)	85 - Hydrogen cyanide (HCN)
45	Lindane	45 - Lindane
46	Mirex	46 - Mirex
68	Naphthalene	68 - Naphthalene
49	Pentachlorophenol (PCP)	49 - Pentachlorophenol (PCP)
09	Perfluorocarbons (PFCs)	09 - Perfluorocarbons (PFCs)
71	Phenols (as total C)	71 - Phenols (as total C)

Air Lookup

From Row A	4
To Row A	27
Start Cell A	3
From Row B	30
To Row B	71
Start Cell B	29

Water Lookup

From Row A	75
To Row A	143
Start Cell A	74
From Row B	146
To Row B	148
Start Cell B	145

Offsite Xfers Lookup

From Row	152
To Row	242
Start Cell	151

Land Lookup

From Row	246
To Row	336
Start Cell	245

50	Polychlorinated biphenyls (PCBs)	50 - Polychlorinated biphenyls (PCBs)
72	Polycyclic aromatic hydrocarbons (PAHs)	72 - Polycyclic aromatic hydrocarbons (PAHs)
52	Tetrachloroethylene (PER)	52 - Tetrachloroethylene (PER)
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

Emission Type : Water

Category Specific PRTR Pollutants

Pollutant_Number	Pollutant_Name	Pollutant_Lookup
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 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)
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 (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
88	Fluoranthene	88 - Fluoranthene
83	Fluorides (as total F)	83 - Fluorides (as total F)
40	Halogenated organic compounds (as AOX)	40 - Halogenated organic compounds (as AOX)
41	Heptachlor	41 - Heptachlor
90	Hexabromobiphenyl	90 - Hexabromobiphenyl
42	Hexachlorobenzene (HCB)	42 - Hexachlorobenzene (HCB)
43	Hexachlorobutadiene (HCBd)	43 - Hexachlorobutadiene (HCBd)
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)
46	Mirex	46 - Mirex
68	Naphthalene	68 - Naphthalene
22	Nickel and compounds (as Ni)	22 - Nickel and compounds (as Ni)
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)
47	PCDD + PCDF (dioxins + furans)(as Teq)	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 (PCBs)	50 - Polychlorinated biphenyls (PCBs)
72	Polycyclic aromatic hydrocarbons (PAHs)	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) (as total C or COD/3)	76 - Total organic carbon (TOC) (as total C or COD/3)
13	Total phosphorus	13 - Total phosphorus
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)

Remaining PRTR Pollutants

Pollutant_Number	Pollutant_Name	Pollutant_Lookup
66	Ethylene oxide	66 - Ethylene oxide
07	Non-methane volatile organic compounds (NMVOC)	07 - Non-methane volatile organic compounds (NMVOC)
59	Toxaphene	59 - Toxaphene

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-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 compounds	84 - Fluorine and inorganic compounds (as HF)
40	Halogenated organic compounds	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)(as Teq)	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	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 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 (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 Nonylpheno	64 - Nonylphenol and Nonylphenol ethoxylates (NP/NPEs)
87	Octylphenols and Octylpheno	87 - Octylphenols and Octylphenol ethoxylates
69	Organotin compounds (as tot	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) (ε	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)

Licensed (Non-PRTR) Pollutants

Emission Type : Air

Pollutant Number	Pollutant Name	Pollutant Lookup	
201	1,2 trichloroethylene	201 - 1,2 trichloroethylene	Air Lookup
241	2-Chloroethanol	241 - 2-Chloroethanol	From Row 4
202	2-methoxyethanol	202 - 2-methoxyethanol	To Row 89
301	Acetate	301 - Acetate	Start Cell 3
203	Acetic acid	203 - Acetic acid	Water Lookup
247	Acetone	247 - Acetone	From Row 92
361	Acrylates	361 - Acrylates	To Row 192
369	Alkyl Phenol Ethoxylates	369 - Alkyl Phenol Ethoxylates	Start Cell 91
355	Aluminium	355 - Aluminium	Offsite Xfers Lookup
205	Antimony (as Sb)	205 - Antimony (as Sb)	From Row 195
206	Benzene & toluene & xylol	206 - Benzene & toluene & xylol	To Row 276
243	cis-1,2-dichloroethene	243 - cis-1,2-dichloroethene	Start Cell 194
207	Class B organics	207 - Class B organics	Land Lookup
356	Cobalt	356 - Cobalt	From Row 279
208	Condenseable volatile organic compounds	208 - Condenseable volatile organic compounds	To Row 279
310	Dimethylester	310 - Dimethylester	Start Cell 278
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 Microorganisms	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)	
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	Organohalogenes	331 - Organohalogenes	
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 s	344 - TA luft carcinogenic substance class 3
224	TA Luft carcinogenic	224 - TA Luft carcinogenic substances Class 1
225	TA Luft carcinogenic	225 - TA Luft carcinogenic substances Class 2
226	TA Luft carcinogenic	226 - TA Luft carcinogenic substances Class 3
227	TA Luft inorganic dus	227 - TA Luft inorganic dust particles class 1
228	TA Luft inorganic dus	228 - TA Luft inorganic dust particles class 2
229	TA Luft inorganic dus	229 - TA Luft inorganic dust particles class 3
230	TA Luft organic subst	230 - TA Luft organic substances class 1
231	TA Luft organic subst	231 - TA Luft organic substances class 2
232	TA Luft organic subst	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-Dichlorobenzamic	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 organic compounds	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	Hexabromocyclodecane	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]pyrene	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 organic compounds	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 PO ₄)	332 - Ortho-phosphate (as PO ₄)
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 Solid:	363 - Total Dissolved Solids
398	Total Hardness (mg/l	398 - Total Hardness (mg/l CaCO3)
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)
379	Total Oxidised Nitrogr	379 - Total Oxidised Nitrogen (TON)
348	Total petroleum hydrc	348 - Total petroleum hydrocarbons
350	Undenatured botulinu	350 - Undenatured botulinum toxin
386	Vanadium	386 - Vanadium
237	Volatile organic comp	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 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)
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 volatilk	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 organ	328 - Non-purgeable organic compounds
329	Octafluoropentanol	329 - Octafluoropentanol
330	Organic solvents	330 - Organic solvents
331	Organohalogens	331 - Organohalogens
387	Ortho-phosphate (as	387 - Ortho-phosphate (as P)
332	Ortho-phosphate (as	332 - Ortho-phosphate (as PO4)
333	Permethrin	333 - Permethrin
334	Pesticides	334 - Pesticides
335	Petrol range organics	335 - Petrol range organics
337	Pharmaceutical active	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 Solid:	363 - Total Dissolved Solids
398	Total Hardness (mg/l	398 - Total Hardness (mg/l CaCO3)
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)
348	Total petroleum hydroc	348 - Total petroleum hydrocarbons
350	Undenatured botulinu	350 - Undenatured botulinum toxin
237	Volatile organic comp	237 - Volatile organic compounds (as TOC)

Emission Type : Land

Pollutant_Number	Pollutant_Name	Pollutant_Lookup
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GroupCode	Description	2
02	WASTE RESULTING FROM EXPLOURATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS	21
03	WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING	23
04	WASTES FROM WOOD PROCESSING, PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD	133
05	WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES	135
06	WASTES FROM PETROLEUMS, NATURAL GAS PURIFICATION AND PYROLYTIC TREATMENT OF COAL	972
07	WASTES FROM INORGANIC CHEMICAL PROCESSES	2
08	WASTES FROM ORGANIC CHEMICAL PROCESSES	2
09	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS, PAINTS, VARNISHES AND VITREOUS ENAMELS, ADHESIVES, SEALANTS AND PRINTING INKS	2
10	WASTES FROM THE PHOTODUPLICATION INDUSTRY	2
11	WASTES FROM THERMAL PROCESSES	2
12	WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS, NON-FERROUS HYDRO-METALLURGY	2
13	WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS	2
14	OIL WASTES AND WASTES OF LIQUID FUELS (except waste oils, and those in chapters 05, 12 and 19)	2
15	WASTES ORGANIC SOLVENTS, REFRIGERANTS AND PROPPELLANTS (except 07 and 08)	2
16	WASTE PACKAGINGS, ADSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	2
17	WASTES NOT OTHERWISE SPECIFIED	2
18	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	2
19	WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)	2
20	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	2
21	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	2

GroupCode	SubGroupCode	Description
01	01	wastes from mineral excavation
01	02	wastes from physical and chemical processing of non-ferrous minerals
01	04	wastes from physical and chemical processing of iron-ferrous 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, molasses preparation and fermentation
02	04	wastes from sugar processing
02	05	wastes from the dairy products industry
02	06	wastes from the tanning and correlative 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	02	waste from the pyrolytic treatment of coal
06	01	waste from natural gas purification and transportation
06	02	wastes from the manufacture, formulation, supply and use (MFSU) of acids
06	03	wastes from the MFSU of bases
06	04	wastes from the MFSU of salts and their solutions and metallic oxides
06	05	sludges from on-site effluent treatment
06	06	wastes from the MFSU of sulphur chemicals, sulphur chemical processes and desulphurization 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 fertilizer manufacture
06	11	wastes from the manufacture of inorganic pigments and specialities
06	12	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
07	03	wastes from the MFSU of organic dyes and pigments (except 05 11)
07	04	wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides
07	05	wastes from the MFSU of fats, greases, soaps, detergents, disinfectants and cosmetics
07	06	wastes from the MFSU of fine chemicals and chemical products not otherwise specified
07	07	wastes from MFSU and removal of paint and varnish
08	01	wastes from MFSU of other coatings (including ceramic materials)
08	02	wastes from MFSU of printing inks
08	04	wastes from MFSU of adhesives and sealants (including waterproofing products)
08	05	wastes not otherwise specified in 08
09	01	wastes from the photographic industry
10	01	wastes from pyrometallurgical and other combustion plants (except 19)
10	02	wastes from the iron and steel industry
10	03	wastes from aluminium thermal metallurgy
10	04	wastes from lead thermal metallurgy
10	05	wastes from zinc thermal metallurgy
10	06	wastes from copper thermal metallurgy
10	07	wastes from other non-ferrous thermal metallurgy
10	08	wastes from casting of ferrous pieces
10	09	wastes from casting of non-ferrous pieces
10	11	wastes from manufacture of glass and glass products
10	12	wastes from manufacture of ceramic goods, bricks, tiles and construction products
10	13	wastes from manufacture of cement, lime and plaster articles and products made from them
10	14	waste from cement
11	01	wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodizing)
11	02	waste from non-ferrous hydrometallurgical processes
11	03	sludges and solids from tempering processes
11	05	wastes from hot galvanizing processes
12	01	wastes from shaping and physical and mechanical surface treatment of metals and plastics
12	02	wastes from water and steam degreasing processes (except 11)
13	01	waste hydraulic oils
13	02	waste engine, gear and lubricating oils
13	03	waste insulating and heat transmission oils
13	04	bi-lge oils
13	05	oil-water separator contents
13	07	wastes of liquid fuels
13	08	oil/water not otherwise specified
14	02	waste organic solvents, refrigerants and foam/aerosol propellants
15	01	packaging (including separately collected municipal packaging waste)
15	02	absorbents, filter materials, wiping cloths and protective clothing
16	01	end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)
16	02	wastes from electrical and electronic equipment
16	03	off-specification batches and unused products
16	04	waste explosives
16	05	gases in pressure containers and discarded chemicals
16	06	batteries and accumulators
16	07	wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)
16	08	cooper catalysts
16	09	oxidising substances
16	10	aqueous liquid wastes destined for off-site treatment
16	11	waste linings and refractories
16	12	concrete, bricks, tiles and ceramics
17	01	wood, glass and plastic
17	02	biomass
17	03	biomass residues, coal tar and tarred products
17	04	meats (including their sludge)
17	05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17	06	radiation materials and asbestos-containing construction materials
17	08	gypsum-based construction material
18	01	other construction and demolition waste
18	01	wastes from metal care, diagnosis, treatment or prevention of disease in humans
18	02	wastes from research, diagnosis, treatment or prevention of disease involving animals
19	01	wastes from incineration or pyrolysis of waste
19	02	wastes from physico-chemical treatment of waste (including dechlorination, deacidification, neutralization)
19	03	stabilized/solidified wastes (19)
19	04	utilized waste and wastes from reclamation
19	05	wastes from aerobic treatment of solid wastes
19	06	wastes from anaerobic treatment of waste
19	07	landfill leachate
19	08	wastes from waste water treatment plants not otherwise specified
19	09	wastes from the preparation of water intended for human consumption or water for industrial use
19	10	wastes from shredding of metal-containing wastes
19	11	wastes from sorting
19	12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletizing) not otherwise specified
19	13	wastes soil and groundwater remediation
20	01	separately collected fractions (except 15 01)
20	02	garbage and park waste (including cemetery waste)
20	03	other municipal wastes

GroupCode	SubGroupCode	WasteCode	Description	Hazardous
01	01	01	wastes from mineral metalliferous excavation	No
01	02	02	wastes from mineral non-metalliferous excavation	No
01	03	04	acid-generating sludges from processing of sulphide ore	Yes
01	03	05	other sludges containing dangerous substances	Yes
01	03	06	sludges other than those mentioned in 01 03 04 and 01 03 05	No
01	03	07	other wastes containing dangerous substances from physical and chemical processing of metalliferous	Yes
01	03	08	sludge and powdery wastes other than those mentioned in 01 03 07	No
01	03	09	red mud from alumina production other than the wastes mentioned in 01 03 07	No
01	03	09	wastes not otherwise specified	No
01	04	07	waste containing dangerous substances from physical and chemical processing of nonmetalliferous	Yes
01	04	08	waste glass and crushed rocks other than those mentioned in 01 04 07	No
01	04	09	waste sand and clays	No
01	04	10	clays and sandy wastes other than those mentioned in 01 04 07	No
01	04	11	wastes from polish and rock salt processing other than those mentioned in 01 04 07	No
01	04	12	tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07	No
01	04	13	waste from stone cutting and sawing other than those mentioned in 01 04 07	No
01	04	99	waste not otherwise specified	No
01	04	04	freshwater drilling muds and wastes	Yes
01	05	05	oil-containing drilling muds and wastes	Yes
01	05	07	barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06	No
01	05	08	chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06	No
01	05	99	wastes not otherwise specified	No
02	01	01	sludges from washing and cleaning	No
02	01	02	animal tissue waste	No
02	01	03	plant tissue waste	No
02	01	04	waste plastics (except packaging)	No
02	01	06	animal faeces, urine and manure (inclusive soiled straw, effluent, collected separately and treated)	No
02	01	07	waste from forestry	No
02	01	08	agrochemical waste containing dangerous substances	Yes
02	01	09	agrochemical waste other than those mentioned in 02 01 08	No
02	01	10	waste metal	No
02	01	99	wastes not otherwise specified	No
02	02	01	sludges from washing and cleaning	No
02	02	02	animal tissue waste	No
02	02	03	materials unsuitable for consumption or processing	No
02	02	04	sludges from on-site effluent treatment	No
02	02	05	waste not otherwise specified	No
02	02	06	sludges from washing, cleaning, peeling, centrifuging and separation	No
02	02	07	waste from preserving agents	No
02	02	08	wastes from solvent extraction	No
02	02	09	materials unsuitable for consumption or processing	No
02	02	05	sludges from on-site effluent treatment	No
02	02	99	wastes not otherwise specified	No
02	04	01	soil from cleaning and washing beet	No
02	04	02	off-specification calcium carbonate	No
02	04	03	sludges from on-site effluent treatment	No
02	04	03	wastes not otherwise specified	No
02	05	01	materials unsuitable for consumption or processing	No
02	05	02	sludges from on-site effluent treatment	No
02	05	99	wastes not otherwise specified	No
02	05	02	materials unsuitable for consumption or processing	No
02	06	02	wastes from preserving agents	No
02	06	03	sludges from on-site effluent treatment	No
02	06	99	wastes not otherwise specified	No
02	07	01	wastes from washing, cleaning and mechanical reduction of raw materials	No
02	07	02	wastes from gases distillation	No
02	07	03	wastes from chemical treatment	No
02	07	04	materials unsuitable for consumption or processing	No
02	07	05	sludges from on-site effluent treatment	No
02	07	99	wastes not otherwise specified	No
03	01	01	waste bark and cork	No
03	01	04	sawdust, shavings, cuttings, wood, particle board and veneer containing dangerous substances	No
03	01	05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04	No
03	01	99	wastes not otherwise specified	No
03	02	01	non-halogenated organic wood preservatives	Yes
03	02	02	organohalogenated wood preservatives	Yes
03	02	03	inorganic wood preservatives	Yes
03	02	05	other wood preservatives containing dangerous substances	Yes
03	02	99	wood preservatives not otherwise specified	No
03	03	01	waste bark and wood	No
03	03	02	green liquor sludge (from recovery of cooking liquor)	No
03	03	05	de-inking sludges from paper recycling	No
03	03	07	mechanically separated rejects from pulping of waste paper and cardboard	No
03	03	08	waste from sorting of paper and cardboard destined for recycling	No
03	03	09	lime mud waste	No
03	03	10	fine paper, fibre, filter and coating sludges from mechanical separation	No
03	03	11	sludges from on-site effluent treatment other than those mentioned in 03 03 10	No
03	03	99	wastes not otherwise specified	No
04	01	01	Rubbish and fine soil waste	No

04	01	02	liming waste	No
04	01	03	doghouse waste containing solvents without a liquid phase	Yes
04	01	04	tanning liquor containing chromium	No
04	01	05	tanning liquor containing chromium	No
04	01	06	sludges, in particular from on-site effluent treatment containing chromium	No
04	01	07	sludges, in particular from on-site effluent treatment free of chromium	No
04	01	08	waste tanned leather (bale sheavings, shavings, cuttings, buffing dust) containing chromium	No
04	01	09	wastes from dressing and finishing	No
04	01	10	wastes not otherwise specified	Yes
04	02	09	wastes from composite materials (impregnated textile, elastomer, plaster)	No
04	02	10	organic matter from natural products (for example grasses, wool)	Yes
04	02	11	wastes from finishing containing organic solvents	Yes
04	02	14	wastes from finishing other than those mentioned in 04 02 14	No
04	02	15	dye-stuffs and pigments containing dangerous substances	Yes
04	02	16	dye-stuffs and pigments other than those mentioned in 04 02 15	No
04	02	19	sludges from on-site effluent treatment containing dangerous substances	Yes
04	02	20	sludges from on-site effluent treatment other than those mentioned in 04 02 19	No
04	02	21	wastes from unprocessed textile fibres	No
04	02	22	wastes from processed textile fibres	No
04	02	23	wastes not otherwise specified	Yes
05	01	02	desalator sludges	Yes
05	01	03	sludge from desalator	Yes
05	01	04	acid allyl sludges	Yes
05	01	05	of salts	Yes
05	01	06	oil sludges from maintenance operations of the plant or equipment	Yes
05	01	07	acid tars	Yes
05	01	08	other tars	Yes
05	01	09	sludges from on-site effluent treatment containing dangerous substances	Yes
05	01	10	sludges from on-site effluent treatment other than those mentioned in 05 01 09	No
05	01	11	wastes from cleaning of tanks with bases	Yes
05	01	12	of containing acids	Yes
05	01	13	from heat-exchanger sludges	No
05	01	14	wastes from cooling columns	No
05	01	15	spent filter cloths	Yes
05	01	16	sludge-containing wastes from petroleum desulphurization	No
05	01	17	bitumen	No
05	01	18	wastes not otherwise specified	No
05	06	01	acid tars	Yes
05	06	02	other tars	Yes
05	06	03	wastes from cooling columns	No
05	06	04	wastes not otherwise specified	No
05	06	05	wastes containing mercury	Yes
05	06	06	wastes containing sulphur	Yes
05	06	07	wastes not otherwise specified	No
05	06	08	hydrochloric acid	Yes
05	06	09	hydrofluoric acid	Yes
05	06	10	hydrochloric acid	Yes
05	06	11	phosphoric and phosphorous acid	Yes
05	06	12	nitric acid and nitrous acid	Yes
05	06	13	other acids	Yes
05	06	14	wastes not otherwise specified	No
05	06	15	calcium hydroxide	Yes
05	06	16	ammonium hydroxide	Yes
05	06	17	sodium and potassium hydroxide	Yes
05	06	18	other bases	Yes
05	06	19	wastes not otherwise specified	No
05	06	20	solid salts and solutions containing cyanides	Yes
05	06	21	solid salts and solutions containing heavy metals	Yes
05	06	22	solid salts and solution other than those mentioned in 05 06 21 and 05 06 23	No
05	06	23	metallic oxides containing heavy metals	Yes
05	06	24	metallic oxides other than those mentioned in 05 06 23	No
05	06	25	wastes not otherwise specified	No
05	06	26	wastes containing arsenic	Yes
05	06	27	wastes containing mercury	Yes
05	06	28	wastes containing other heavy metals	Yes
05	06	29	wastes not otherwise specified	No
05	06	30	sludges from on-site effluent treatment containing dangerous substances	Yes
05	06	31	sludges from on-site effluent treatment other than those mentioned in 05 06 30	No
05	06	32	wastes containing dangerous substances	Yes
05	06	33	wastes containing sulphides other than those mentioned in 05 06 32	No
05	06	34	wastes not otherwise specified	No
05	06	35	wastes containing cyanides	Yes
05	06	36	activated carbon from ethylene production	Yes
05	06	37	barium sulphate sludge containing mercury	Yes
05	06	38	solutions and acids, for example contact acid	Yes
05	06	39	wastes not otherwise specified	No
05	06	40	waste containing dangerous substances	Yes
05	06	41	wastes not otherwise specified	No
05	06	42	phosphorus slag	No
05	06	43	calcium-based reaction wastes containing or contaminated with dangerous substances	No
05	06	44	calcium-based reaction wastes other than those mentioned in 05 06 43	No
05	06	45	wastes not otherwise specified	No
05	06	46	wastes containing dangerous substances	Yes
05	06	47	calcium-based reaction wastes from titanium dioxide production	No
05	06	48	wastes not otherwise specified	No
05	06	49	inorganic plant preservatives products, wood-preserving agents and other biocides	Yes
05	06	50	spent activated carbon (except 06 07 02)	Yes
05	06	51	carbon black	Yes
05	06	52	wastes from asbestos processing	Yes
05	06	53	soot	No
05	06	54	wastes not otherwise specified	No
05	06	55	aqueous washing liquids and mother liquors	Yes
05	06	56	organic halogenated solvents, washing liquids and mother liquors	Yes
05	06	57	other organic solvents, washing liquids and mother liquors	Yes
05	06	58	halogenated still bottoms and reaction residues	Yes
05	06	59	other still bottoms and reaction residues	Yes
05	06	60	halogenated filter cakes and spent absorbents	Yes
05	06	61	other filter cakes and spent absorbents	Yes
05	06	62	sludges from on-site effluent treatment containing dangerous substances	Yes
05	06	63	sludges from on-site effluent treatment other than those mentioned in 05 06 62	No
05	06	64	sludges not otherwise specified	No
05	06	65	aqueous washing liquids and mother liquors	Yes
05	06	66	organic halogenated solvents, washing liquids and mother liquors	Yes
05	06	67	other organic solvents, washing liquids and mother liquors	Yes
05	06	68	halogenated still bottoms and reaction residues	Yes
05	06	69	other still bottoms and reaction residues	Yes
05	06	70	halogenated filter cakes and spent absorbents	Yes
05	06	71	other filter cakes and spent absorbents	Yes
05	06	72	sludges from on-site effluent treatment containing dangerous substances	Yes
05	06	73	sludges from on-site effluent treatment other than those mentioned in 05 06 72	No
05	06	74	waste plastic	No
05	06	75	wastes from additives containing dangerous substances	Yes
05	06	76	wastes from additives other than those mentioned in 05 06 75	No
05	06	77	waste containing dangerous substances	Yes
05	06	78	waste containing silicones other than those mentioned in 05 06 77	No
05	06	79	wastes not otherwise specified	No
05	06	80	aqueous washing liquids and mother liquors	Yes
05	06	81	organic halogenated solvents, washing liquids and mother liquors	Yes
05	06	82	other organic solvents, washing liquids and mother liquors	Yes
05	06	83	halogenated still bottoms and reaction residues	Yes
05	06	84	other still bottoms and reaction residues	Yes
05	06	85	halogenated filter cakes and spent absorbents	Yes
05	06	86	other filter cakes and spent absorbents	Yes
05	06	87	sludges from on-site effluent treatment containing dangerous substances	Yes
05	06	88	sludges from on-site effluent treatment other than those mentioned in 05 06 87	No
05	06	89	solid wastes containing dangerous substances	Yes
05	06	90	wastes not otherwise specified	No
05	06	91	aqueous washing liquids and mother liquors	Yes
05	06	92	organic halogenated solvents, washing liquids and mother liquors	Yes
05	06	93	other organic solvents, washing liquids and mother liquors	Yes
05	06	94	halogenated still bottoms and reaction residues	Yes
05	06	95	other still bottoms and reaction residues	Yes
05	06	96	halogenated filter cakes and spent absorbents	Yes
05	06	97	other filter cakes and spent absorbents	Yes
05	06	98	sludges from on-site effluent treatment containing dangerous substances	Yes
05	06	99	sludges from on-site effluent treatment other than those mentioned in 05 06 98	No
05	06	100	solid wastes containing dangerous substances	Yes
05	06	101	wastes not otherwise specified	No
05	06	102	aqueous washing liquids and mother liquors	Yes
05	06	103	organic halogenated solvents, washing liquids and mother liquors	Yes
05	06	104	other organic solvents, washing liquids and mother liquors	Yes
05	06	105	halogenated still bottoms and reaction residues	Yes
05	06	106	other still bottoms and reaction residues	Yes
05	06	107	halogenated filter cakes and spent absorbents	Yes
05	06	108	other filter cakes and spent absorbents	Yes
05	06	109	sludges from on-site effluent treatment containing dangerous substances	Yes
05	06	110	sludges from on-site effluent treatment other than those mentioned in 05 06 109	No
05	06	111	solid wastes containing dangerous substances	Yes
05	06	112	wastes not otherwise specified	No
05	06	113	aqueous washing liquids and mother liquors	Yes
05	06	114	organic halogenated solvents, washing liquids and mother liquors	Yes
05	06	115	other organic solvents, washing liquids and mother liquors	Yes
05	06	116	halogenated still bottoms and reaction residues	Yes
05	06	117	other still bottoms and reaction residues	Yes
05	06	118	halogenated filter cakes and spent absorbents	Yes
05	06	119	other filter cakes and spent absorbents	Yes
05	06	120	sludges from on-site effluent treatment containing dangerous substances	Yes
05	06	121	sludges from on-site effluent treatment other than those mentioned in 05 06 120	No
05	06	122	solid wastes containing dangerous substances	Yes
05	06	123	wastes not otherwise specified	No
05	06	124	aqueous washing liquids and mother liquors	Yes
05	06	125	organic halogenated solvents, washing liquids and mother liquors	Yes
05	06	126	other organic solvents, washing liquids and mother liquors	Yes
05	06	127	halogenated still bottoms and reaction residues	Yes
05	06	128	other still bottoms and reaction residues	Yes
05	06	129	halogenated filter cakes and spent absorbents	Yes
05	06	130	other filter cakes and spent absorbents	Yes
05	06	131	sludges from on-site effluent treatment containing dangerous substances	Yes
05	06	132	sludges from on-site effluent treatment other than those mentioned in 05 06 131	No
05	06	133	solid wastes containing dangerous substances	Yes
05	06	134	wastes not otherwise specified	No
05	06	135	aqueous washing liquids and mother liquors	Yes
05	06	136	organic halogenated solvents, washing liquids and mother liquors	Yes
05	06	137	other organic solvents, washing liquids and mother liquors	Yes
05	06	138	halogenated still bottoms and reaction residues	Yes
05	06	139	other still bottoms and reaction residues	Yes
05	06	140	halogenated filter cakes and spent absorbents	Yes
05	06	141	other filter cakes and spent absorbents	Yes
05	06	142	sludges from on-site effluent treatment containing dangerous substances	Yes
05	06	143	sludges from on-site effluent treatment other than those mentioned in 05 06 142	No
05	06	144	solid wastes containing dangerous substances	Yes
05	06	145	wastes not otherwise specified	No
05	06	146	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances	Yes
05	06	147	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances	Yes
05	06	148	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances	Yes
05	06	149	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances	Yes
05	06	150	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances	Yes
05	06	151	waste paint or varnish remover	Yes
05	06	152	wastes not otherwise specified	No
05	06	153	waste coating powders	No
05	06	154	aqueous sludges containing ceramic materials	No
05	06	155	aqueous suspensions containing ceramic materials	No
05	06	156	wastes not otherwise specified	No
05	06	157	aqueous sludges containing ink	No
05	06	158	aqueous liquid waste containing ink	No
05	06	159	waste ink containing dangerous substances	No
05	06	160	waste ink other than those mentioned in 05 06 159	No
05	06	161	ink sludges containing dangerous substances	Yes
05	06	162	ink sludges other than those mentioned in 05 06 161	No
05	06	163	waste printing solutions	Yes
05	06	164	waste printing toner containing dangerous substances	Yes
05	06	165	waste printing toner other than those mentioned in 05 06 164	No
05	06	166	dispose oil	Yes
05	06	167	wastes not otherwise specified	No
05	06	168	waste adhesives and sealants containing organic solvents or other dangerous substances	Yes
05	06	169	waste adhesives and sealants other than those mentioned in 05 06 168	No
05	06	170	adhesive and sealant sludges containing organic solvents or other dangerous substances	Yes
05	06	171	adhesive and sealant sludges other than those mentioned in 05 06 170	No
05	06	172	aqueous sludges containing adhesives or sealants containing organic solvents or other dangerous substances	Yes
05	06	173	aqueous sludges containing adhesives or sealants containing organic solvents or other dangerous substances	Yes
05	06	174	aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances	Yes
05	06	175	aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances	Yes
05	06	176	aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances	Yes
05	06	177	aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances	Yes
05	06	178	wastes not otherwise specified	No
05	06	179	waste toner	Yes
05	06	180	water-based developer and activator solutions	Yes
05	06	181	waste based developer solutions	Yes
05	06	182	water-based developer solutions	Yes
05	06	183	bleach solutions	Yes
05	06	184	bleach solutions and bleach fixer solutions	Yes
05	06	185	wastes containing silver from on-site treatment of photographic wastes	Yes
05	06	186	photographic film and paper containing silver or other compounds	No

09	01	08	photographic film and paper free of silver or silver compounds	No
09	01	09	single-use cameras without batteries	No
09	01	11	single-use cameras containing batteries included in 10 01 01, 10 01 02 or 10 01 03	Yes
09	01	12	single-use cameras containing batteries other than those mentioned in 10 01 11	No
09	01	13	aqueous liquid waste from on-site reclamation of silver other than those mentioned in 09 01 06	Yes
09	01	14	wastes not otherwise specified	No
10	01	01	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)	No
10	01	02	coaly fly ash	No
10	01	03	fly ash from peat and untreated wood	No
10	01	04	off fly ash and boiler dust	Yes
10	01	05	calcium-based reaction wastes from flue-gas desulphurisation in solid form	No
10	01	06	calcium-based reaction wastes from flue-gas desulphurisation in sludge form	No
10	01	09	sulphuric acid	Yes
10	01	13	fly ash from ammonia hydrocarbons used as fuel	Yes
10	01	14	bottom ash, slag and boiler dust from co-incineration containing dangerous substances	Yes
10	01	15	bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14	No
10	01	16	fly ash from co-incineration containing dangerous substances	Yes
10	01	17	fly ash from co-incineration other than those mentioned in 10 01 16	No
10	01	18	wastes from gas cleaning containing dangerous substances	Yes
10	01	19	wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18	No
10	01	20	sludges from on-site effluent treatment containing dangerous substances	Yes
10	01	21	sludges from on-site effluent treatment other than those mentioned in 10 01 20	No
10	01	22	aqueous sludges from boiler cleaning containing dangerous substances	Yes
10	01	23	aqueous sludges from boiler cleaning other than those mentioned in 10 01 22	No
10	01	24	sands from fluidised beds	No
10	01	25	wastes from fuel storage and preparation of coal-fired power plants	No
10	01	26	wastes from cooling-water treatment	No
10	01	29	wastes not otherwise specified	No
10	02	01	wastes from the processing of slag	No
10	02	02	unprocessed slag	No
10	02	07	solid wastes from gas treatment containing dangerous substances	Yes
10	02	08	solid wastes from gas treatment other than those mentioned in 10 02 07	No
10	02	10	mill scories	No
10	02	11	wastes from cooling-water treatment containing of	Yes
10	02	12	wastes from cooling-water treatment other than those mentioned in 10 02 11	No
10	02	13	sludges and filter cakes from gas treatment containing dangerous substances	Yes
10	02	14	sludges and filter cakes from gas treatment other than those mentioned in 10 02 13	No
10	02	15	other sludges and filter cakes	No
10	02	19	wastes not otherwise specified	No
10	03	02	anode scraps	No
10	03	03	primary production sludge	Yes
10	03	05	waste alumina	No
10	03	06	tail sludge from secondary production	Yes
10	03	09	black drosses from secondary production	Yes
10	03	10	aluminas that are flammable or emit, upon contact with water, flammable gases in dangerous quantities	Yes
10	03	16	skimming other than those mentioned in 10 03 15	Yes
10	03	17	tar-containing wastes from anode manufacture	Yes
10	03	18	carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17	No
10	03	19	flue-gas dust containing dangerous substances	Yes
10	03	20	flue-gas dust other than those mentioned in 10 03 19	No
10	03	21	other particulates and dust (including ball-mill dust) containing dangerous substances	Yes
10	03	22	other particulates and dust (including ball-mill dust) other than those mentioned in 10 03 21	No
10	03	23	solid wastes from gas treatment containing dangerous substances	Yes
10	03	24	solid wastes from gas treatment other than those mentioned in 10 03 23	No
10	03	25	sludges and filter cakes from gas treatment containing dangerous substances	Yes
10	03	26	sludges and filter cakes from gas treatment other than those mentioned in 10 03 25	No
10	03	27	wastes from cooling-water treatment containing of	Yes
10	03	29	wastes from cooling-water treatment other than those mentioned in 10 03 27	No
10	03	30	wastes from treatment of tail sludge and black drosses containing dangerous substances	Yes
10	03	31	wastes from treatment of tail sludge and black drosses other than those mentioned in 10 03 29	No
10	04	01	wastes not otherwise specified	No
10	04	01	sludge from primary and secondary production	Yes
10	04	02	dross and skimmings from primary and secondary production	Yes
10	04	03	calcium silicate	Yes
10	04	04	flue-gas dust	Yes
10	04	05	other particulates and dust	Yes
10	04	06	solid wastes from gas treatment	Yes
10	04	07	sludges and filter cakes from gas treatment	Yes
10	04	08	wastes from cooling-water treatment containing of	Yes
10	04	09	wastes from cooling-water treatment other than those mentioned in 10 04 09	No
10	04	10	wastes not otherwise specified	No
10	05	01	sludge from primary and secondary production	No
10	05	03	flue-gas dust	Yes
10	05	04	other particulates and dust	No
10	05	05	solid wastes from gas treatment	Yes
10	05	06	sludges and filter cakes from gas treatment	Yes
10	05	08	wastes from cooling-water treatment containing of	Yes
10	05	09	wastes from cooling-water treatment other than those mentioned in 10 05 08	No
10	05	10	dross and skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities	Yes
10	05	11	dross and skimmings other than those mentioned in 10 05 10	No
10	05	12	wastes not otherwise specified	No
10	05	13	sludge from primary and secondary production	No
10	05	14	dross and skimmings from primary and secondary production	No
10	05	15	flue-gas dust	Yes
10	05	16	other particulates and dust	No
10	05	17	solid wastes from gas treatment	Yes
10	05	18	sludges and filter cakes from gas treatment	Yes
10	05	19	wastes from cooling-water treatment containing of	Yes
10	05	20	wastes from cooling-water treatment other than those mentioned in 10 05 19	No
10	05	21	wastes not otherwise specified	No
10	05	22	furnace slag	No
10	05	23	casting cones and moulds which have not undergone pouring containing dangerous substances	No
10	05	24	casting cones and moulds which have not undergone pouring other than those mentioned in 10 05 23	No
10	05	25	casting cones and moulds which have undergone pouring containing dangerous substances	Yes
10	05	26	casting cones and moulds which have undergone pouring other than those mentioned in 10 05 25	No
10	05	27	flue-gas dust containing dangerous substances	Yes
10	05	28	flue-gas dust other than those mentioned in 10 05 27	No
10	05	29	other particulates containing dangerous substances	Yes
10	05	30	other particulates other than those mentioned in 10 05 29	No
10	05	31	waste binders containing dangerous substances	Yes
10	05	32	waste binders other than those mentioned in 10 05 31	No
10	05	33	waste crack-indicating agent containing dangerous substances	Yes
10	05	34	waste crack-indicating agent other than those mentioned in 10 05 33	No
10	05	35	wastes not otherwise specified	No
10	05	36	furnace slag	No
10	05	37	casting cones and moulds which have not undergone pouring, containing dangerous substances	Yes
10	05	38	casting cones and moulds which have not undergone pouring, other than those mentioned in 10 05 37	No
10	05	39	casting cones and moulds which have undergone pouring, containing dangerous substances	Yes
10	05	40	casting cones and moulds which have undergone pouring, other than those mentioned in 10 05 39	No
10	05	41	flue-gas dust containing dangerous substances	Yes
10	05	42	flue-gas dust other than those mentioned in 10 05 41	No
10	05	43	other particulates containing dangerous substances	Yes
10	05	44	other particulates other than those mentioned in 10 05 43	No
10	05	45	waste binders containing dangerous substances	Yes
10	05	46	waste binders other than those mentioned in 10 05 45	No
10	05	47	waste crack-indicating agent containing dangerous substances	Yes
10	05	48	waste crack-indicating agent other than those mentioned in 10 05 47	No
10	05	49	wastes not otherwise specified	No
10	05	50	flue-gas dust containing dangerous substances	Yes
10	05	51	flue-gas dust other than those mentioned in 10 05 50	No
10	05	52	other particulates containing dangerous substances	Yes
10	05	53	other particulates other than those mentioned in 10 05 52	No
10	05	54	waste binders containing dangerous substances	Yes
10	05	55	waste binders other than those mentioned in 10 05 54	No
10	05	56	waste crack-indicating agent containing dangerous substances	Yes
10	05	57	waste crack-indicating agent other than those mentioned in 10 05 56	No
10	05	58	wastes not otherwise specified	No
10	05	59	waste glass-based fibrous materials	Yes
10	05	60	particulates and dust	No
10	05	61	waste preparation mixture before thermal processing, containing dangerous substances	Yes
10	05	62	waste preparation mixture before thermal processing, other than those mentioned in 10 11 8	No
10	05	63	waste glass other than those mentioned in 10 11 8	Yes
10	05	64	waste glass in small particles and glass powder containing heavy metals (for example from cathode)	Yes
10	05	65	waste glass other than those mentioned in 10 11 8	No
10	05	66	glass-polishing and grinding sludge containing dangerous substances	Yes
10	05	67	glass-polishing and grinding sludge other than those mentioned in 10 11 8	No
10	05	68	solid wastes from flue-gas treatment containing dangerous substances	Yes
10	05	69	solid wastes from flue-gas treatment other than those mentioned in 10 11 15	No
10	05	70	sludges and filter cakes from flue-gas treatment containing dangerous substances	Yes
10	05	71	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17	No
10	05	72	solid wastes from on-site effluent treatment containing dangerous substances	Yes
10	05	73	solid wastes from on-site effluent treatment other than those mentioned in 10 11 19	No
10	05	74	wastes not otherwise specified	No
10	05	75	waste preparation mixture before thermal processing	No
10	05	76	particulates and dust	No
10	05	77	sludges and filter cakes from gas treatment	No
10	05	78	scattered metals	No
10	05	79	waste ceramics, bricks, tiles and construction products (after thermal processing)	No
10	05	80	solid wastes from gas treatment containing dangerous substances	Yes
10	05	81	solid wastes from gas treatment other than those mentioned in 10 12 09	No
10	05	82	wastes from glazing containing heavy metals	Yes
10	05	83	wastes from glazing other than those mentioned in 10 12 11	No
10	05	84	sludge from on-site effluent treatment	No
10	05	85	wastes not otherwise specified	No
10	05	86	waste preparation mixture before thermal processing	No
10	05	87	wastes from calcination and reduction of lime	No
10	05	88	particulates and dust (except 10 13 12 and 10 13 13)	No
10	05	89	sludge and filter cakes from gas treatment	Yes
10	05	90	wastes from asbestos-cement manufacture containing asbestos	Yes
10	05	91	wastes from asbestos-cement manufacture other than those mentioned in 10 13 09	No
10	05	92	wastes from cement-based composites materials other than those mentioned in 10 13 09 and 10 13 11	No
10	05	93	solid wastes from gas treatment containing dangerous substances	Yes
10	05	94	solid wastes from gas treatment other than those mentioned in 10 13 12	No
10	05	95	waste concrete and concrete sludge	No
10	05	96	wastes not otherwise specified	No
10	05	97	waste from gas cleaning containing mercury	Yes
10	05	98	pickling acids	Yes
10	05	99	acid, not otherwise specified	Yes
10	05	100	pickling bases	Yes
10	05	101	photographing sludges	Yes
10	05	102	sludges and filter cakes containing dangerous substances	Yes
10	05	103	sludges and filter cakes other than those mentioned in 11 01 09	No
10	05	104	aqueous rising liquids containing dangerous substances	Yes
10	05	105	aqueous rising liquids other than those mentioned in 11 01 11	No
10	05	106	degreasing wastes containing dangerous substances	Yes
10	05	107	degreasing wastes other than those mentioned in 11 01 13	No
10	05	108	eluate and sludges from membrane systems or ion exchange systems containing dangerous substances	Yes
10	05	109	eluate or spent ion-exchange resins	Yes
10	05	110	other wastes containing dangerous substances	Yes
10	05	111	wastes not otherwise specified	No
10	05	112	sludges from zinc hydrometallurgy (including process, goethite)	Yes
10	05	113	wastes from the production of anodes for aqueous electrolytic processes	Yes
10	05	114	wastes from copper hydrometallurgical processes containing dangerous substances	Yes
10	05	115	wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05	No
10	05	116	other wastes containing dangerous substances	Yes
10	05	117	wastes not otherwise specified	No
10	05	118	waste containing cyanide	Yes
10	05	119	other wastes	Yes
10	05	120	hard zinc	No
10	05	121	zinc ash	Yes
10	05	122	solid wastes from gas treatment	Yes
10	05	123	spent flux	Yes
10	05	124	wastes not otherwise specified	No
10	05	125	ferrous metal filings and turnings	No
10	05	126	ferrous metal dust and particles	No
10	05	127	non-ferrous metal filings and turnings	No
10	05	128	non-ferrous metal dust and particles	No
10	05	129	plastics shavings and turnings	No
10	05	130	mineral-based machining oils containing halogens (except emulsions and solutions)	Yes
10	05	131	mineral-based machining oils free of halogens (except emulsions and solutions)	Yes
10	05	132	machining emulsions and solutions containing halogens	Yes
10	05	133	machining emulsions and solutions free of halogens	Yes

12	01	10	synthetic machining oils	Yes
12	01	12	spent wash and fess	Yes
12	01	13	welding wastes	No
12	01	14	machining sludges containing dangerous substances	Yes
12	01	15	machining sludges other than those mentioned in 12 01 14	No
12	01	16	waste blasting material containing dangerous substances	Yes
12	01	17	waste blasting material other than those mentioned in 12 01 16	No
12	01	18	metal sludge (grinding, honing and tapping sludge) containing oil	Yes
12	01	19	readily biodegradable machining oil	Yes
12	01	20	spent grinding bodies and grinding materials containing dangerous substances	Yes
12	01	21	spent grinding bodies and grinding materials other than those mentioned in 12 01 20	No
12	01	99	wastes not otherwise specified	No
12	03	01	aqueous washing liquids	Yes
12	03	02	steam degreasing wastes	Yes
13	01	01	hydraulic oils containing PCBs (15)	Yes
13	01	02	chlorinated emulsions	Yes
13	01	03	non-chlorinated emulsions	Yes
13	01	04	mineral-based chlorinated hydraulic oils	Yes
13	01	05	mineral-based non-chlorinated hydraulic oils	Yes
13	01	11	synthetic hydraulic oils	Yes
13	01	12	readily biodegradable hydraulic oils	Yes
13	01	13	other hydraulic oils	Yes
13	02	04	mineral-based chlorinated engine, gear and lubricating oils	Yes
13	02	05	mineral-based non-chlorinated engine, gear and lubricating oils	Yes
13	02	06	synthetic engine, gear and lubricating oils	Yes
13	02	07	readily biodegradable engine, gear and lubricating oils	Yes
13	02	08	other engine, gear and lubricating oils	Yes
13	02	09	insulating or heat transmission oils containing PCBs	Yes
13	02	06	mineral-based chlorinated insulating and heat transmission oils other than those mentioned in 13 02 09	Yes
13	02	07	mineral-based non-chlorinated insulating and heat transmission oils	Yes
13	02	08	synthetic insulating and heat transmission oils	Yes
13	02	09	readily biodegradable insulating and heat transmission oils	Yes
13	02	10	other insulating and heat transmission oils	Yes
13	04	01	bilge oils from inland navigation	Yes
13	04	02	bilge oils from jetty sewers	Yes
13	04	03	bilge oils from other navigation	Yes
13	01	01	solids from grit chambers and oilwater separators	Yes
13	05	02	sludges from oilwater separators	Yes
13	05	03	intercepted sludges	Yes
13	05	06	oil from oilwater separators	Yes
13	05	07	oilly water from oilwater separators	Yes
13	05	08	mixtures of wastes from grit chambers and oilwater separators	Yes
13	07	01	fuel oil (including waste)	Yes
13	07	02	petrol	Yes
13	07	03	other fuels (including mixtures)	Yes
13	08	01	disposal sludges or emulsions	Yes
13	08	02	other emulsions	Yes
13	08	09	wastes not otherwise specified	Yes
14	06	01	chlorofluorocarbons, HCFC, HFC	Yes
14	06	02	other halogenated solvents and solvent mixtures	Yes
14	06	03	other solvents and solvent mixtures	Yes
14	06	04	sludges or solid wastes containing halogenated solvents	Yes
14	06	05	sludges or solid wastes containing other solvents	Yes
15	01	01	paper and board packaging	No
15	01	02	plastic packaging	No
15	01	03	woven packaging	No
15	01	04	metallic packaging	No
15	01	05	composite packaging	No
15	01	06	mixed packaging	No
15	01	07	glass packaging	No
15	01	08	textile packaging	No
15	01	10	packaging containing residues of or contaminated by dangerous substances	Yes
15	01	11	metallic containers containing a dangerous solidorous matrix (for example asbestos), including empty ones	Yes
15	02	02	absorbents, filter materials (including oil filters not otherwise specified), wipers, cloths, protective cloth	Yes
15	03	01	absorbents, filter materials, wipers, cloths and protective cloth other than those mentioned in 15 02 02	No
16	01	03	end-of-life tyres	No
16	01	04	end-of-life vehicles	No
16	01	06	end-of-life vehicles, containing neither liquids nor other hazardous components	No
16	01	07	of filters	No
16	01	08	components containing mercury	Yes
16	01	09	components containing PCBs	Yes
16	01	10	appliance containers (for example air bags)	Yes
16	01	11	brake pads containing asbestos	Yes
16	01	12	brake pads other than those mentioned in 16 01 11	No
16	01	13	brake fluids	Yes
16	01	14	antifreeze fluids containing dangerous substances	Yes
16	01	15	antifreeze fluids other than those mentioned in 16 01 14	No
16	01	16	tanks for liquefied gas	No
16	01	17	ferrous metal	No
16	01	18	non-ferrous metal	No
16	01	19	plastic	No
16	01	20	glass	No
16	01	21	hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 15	Yes
16	01	22	components not otherwise specified	No
16	02	09	wastes not otherwise specified	No
16	02	11	transformers and capacitors containing PCBs	Yes
16	02	12	discarded equipment containing or contaminated by PCBs other than those mentioned in 16 02 09	Yes
16	02	13	discarded equipment containing chlorofluorocarbons, HCFC, HFC	Yes
16	02	14	discarded equipment containing freon substances	Yes
16	02	15	discarded equipment containing hazardous components (16) other than those mentioned in 16 02 09	Yes
16	02	16	discarded equipment other than those mentioned in 16 02 09 to 16 02 15	No
16	02	17	hazardous components removed from discarded equipment	Yes
16	03	01	inorganic wastes containing dangerous substances	Yes
16	03	02	inorganic wastes other than those mentioned in 16 03 01	No
16	03	03	organic wastes containing dangerous substances	Yes
16	03	04	organic wastes other than those mentioned in 16 03 03	No
16	04	01	fireworks wastes	Yes
16	04	02	explosives wastes	Yes
16	04	03	other waste explosives	Yes
16	05	04	gases in pressure containers (including halons) containing dangerous substances	Yes
16	05	05	gases in pressure containers other than those mentioned in 16 05 04	No
16	05	06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboat	Yes
16	05	07	discarded inorganic chemicals consisting of or containing dangerous substances	Yes
16	05	08	discarded organic chemicals consisting of or containing dangerous substances	Yes
16	05	09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	Yes
16	05	10	lead batteries	Yes
16	05	11	Ni-Cd batteries	Yes
16	05	12	mercury-containing batteries	Yes
16	05	13	alkaline batteries (except 16 05 03)	No
16	05	14	other batteries and accumulators	No
16	05	15	separately collected electrolyte from batteries and accumulators	Yes
16	05	16	wastes containing oil	Yes
16	05	17	wastes containing other dangerous substances	Yes
16	05	18	wastes not otherwise specified	No
16	05	19	spent catalysts containing acid, silver, rhodium, molybdenum, cadmium, indium or platinum (except 16 05 18)	No
16	05	20	spent catalysts containing dangerous transition metals (17) or dangerous transition metal compounds	Yes
16	05	21	spent catalysts containing transition metals or transition metal compounds not otherwise specified	No
16	05	22	spent catalysts containing phosphoric acid	Yes
16	05	23	spent catalysts containing phosphoric acid	Yes
16	05	24	spent liquids used as catalysts	Yes
16	05	25	spent catalysts contaminated with dangerous substances	Yes
16	05	26	permanates, for example potassium permanganate	Yes
16	05	27	chromates, for example potassium chromate, potassium or sodium dichromate	Yes
16	05	28	peroxides, for example hydrogen peroxide	Yes
16	05	29	oxidizing substances, not otherwise specified	Yes
16	10	01	aqueous liquid wastes containing dangerous substances	Yes
16	10	02	aqueous liquid wastes other than those mentioned in 16 10 01	No
16	10	03	aqueous concentrates containing dangerous substances	Yes
16	10	04	aqueous concentrates other than those mentioned in 16 10 03	No
16	11	01	carbon-based filings and refractories from metallurgical processes containing dangerous substances	Yes
16	11	02	carbon-based filings and refractories from non-metallurgical processes other than those mentioned in 16 11 01	No
16	11	03	other filings and refractories from metallurgical processes containing dangerous substances	Yes
16	11	04	other filings and refractories from non-metallurgical processes other than those mentioned in 16 11 03	No
16	11	05	filings and refractories from non-metallurgical processes containing dangerous substances	Yes
16	11	06	filings and refractories from non-metallurgical processes other than those mentioned in 16 11 05	No
17	01	01	concrete	No
17	01	02	bricks	No
17	01	03	tiles and ceramics	No
17	01	06	mixtures of or separate fractions of concrete, bricks, tiles and ceramics containing dangerous subst	Yes
17	01	07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	No
17	02	01	wood	No
17	02	02	glass	No
17	02	03	plastic	No
17	02	04	glass, plastic and wood containing or contaminated with dangerous substances	Yes
17	03	01	bituminous mixtures containing coal tar	Yes
17	03	02	bituminous mixtures containing other than those mentioned in 17 03 01	No
17	03	03	coal tar and tarred products	Yes
17	04	01	copper, bronze, brass	No
17	04	02	aluminium	No
17	04	03	lead	No
17	04	04	zinc	No
17	04	05	iron and steel	No
17	04	06	tin	No
17	04	07	mixed metals	No
17	04	08	metallic wastes contaminated with dangerous substances	Yes
17	04	09	metallic wastes contaminated with dangerous substances	Yes
17	05	10	cables containing oil, coal tar and other dangerous substances	Yes
17	05	11	cables other than those mentioned in 17 05 10	No
17	05	12	soil and stones containing dangerous substances	Yes
17	05	13	soil and stones other than those mentioned in 17 05 12	No
17	05	14	drilling spoil containing dangerous substances	Yes
17	05	15	drilling spoil other than those mentioned in 17 05 14	No
17	05	16	track ballast containing dangerous substances	Yes
17	05	17	track ballast other than those mentioned in 17 05 16	No
17	05	18	insulation materials containing asbestos	Yes
17	05	19	insulation materials containing asbestos	Yes
17	06	01	other insulation materials consisting of or containing dangerous substances	Yes
17	06	02	insulation materials other than those mentioned in 17 06 01 and 17 06 03	No
17	06	03	construction materials containing asbestos (18)	Yes
17	06	04	gypsum-based construction materials contaminated with dangerous substances	Yes
17	06	05	gypsum-based construction materials other than those mentioned in 17 06 04	No
17	06	06	construction and demolition wastes containing mercury	Yes
17	06	07	construction and demolition wastes containing PCB (for example pcb-containing sealants, pcb-contain	Yes
17	06	08	other construction and demolition wastes (including mixed wastes) containing dangerous substances	Yes
17	06	09	mixed construction and demolition wastes other than those mentioned in 17 06 07, 17 06 08 and 17 06 09	No
18	01	01	slings (except 18 01 03)	No
18	01	02	body parts and organs including blood bags and blood preservatives (except 18 01 03)	Yes
18	01	03	wastes whose collection and disposal is subject to special requirements in order to prevent infection	Yes
18	01	04	wastes whose collection and disposal is not subject to special requirements in order to prevent infect	No
18	01	05	chemicals consisting of or containing dangerous substances	Yes
18	01	06	chemicals other than those mentioned in 18 01 05	No
18	01	07	cytotoxic and cytostatic medicines	Yes
18	01	08	cytotoxic and cytostatic medicines	Yes
18	01	09	medicines other than those mentioned in 18 01 07	No
18	01	10	amalgam waste from dental care	Yes
18	01	11	sharps (except 18 02 02)	Yes
18	02	02	wastes whose collection and disposal is subject to special requirements in order to prevent infection	Yes
18	02	03	wastes whose collection and disposal is not subject to special requirements in order to prevent infect	No
18	02	04	chemicals consisting of or containing dangerous substances	Yes
18	02	05	chemicals other than those mentioned in 18 02 04	No
18	02	06	cytotoxic and cytostatic medicines	Yes
18	02	07	medicines other than those mentioned in 18 02 06	No
18	02	08	ferrous materials removed from bottom ash	Yes
19	01	05	filter cake from gas treatment	Yes
19	01	06	aqueous liquid wastes from gas treatment and other aqueous liquid wastes	Yes
19	01	07	solid wastes from gas treatment	Yes
19	01	08	spent activated carbon from gas treatment	Yes
19	01	09	bottom ash and slag containing dangerous substances	Yes
19	01	10	bottom ash and slag other than those mentioned in 19 01 09	No
19	01	11	fly ash containing dangerous substances	Yes
19	01	12	fly ash other than those mentioned in 19 01 11	No
19	01	13	boiler dust containing dangerous substances	Yes
19	01	14	boiler dust other than those mentioned in 19 01 13	No
19	01	15	pyrolysis wastes containing dangerous substances	Yes
19	01	16	pyrolysis wastes other than those mentioned in 19 01 15	No
19	01	17	sands from fluidised beds	No
19	01	18	wastes not otherwise specified	No
19	02	01	premixed wastes composed only of non-hazardous wastes	Yes
19	02	02	premixed wastes composed of at least one hazardous waste	Yes
19	02	03	sludges from physicochemical treatment containing dangerous substances	Yes
19	02	04	sludges from physicochemical treatment other than those mentioned in 19 02 03	No
19	02	05	oil and emulsified from separation	Yes
19	02	06	liquid combustible wastes containing dangerous substances	Yes
19	02	07	solid combustible wastes containing dangerous substances	Yes
19	02	08	solid combustible wastes other than those mentioned in 19 02 07 and 19 02 08	No
19	02	09	other wastes containing dangerous substances	Yes
19	02	10	wastes not otherwise specified	No

19	03	04	wastes marked as hazardous, partly (20) stabilised	Yes
19	03	05	stabilised wastes other than those mentioned in 19 03 04	No
19	03	06	wastes marked as hazardous, solidified	Yes
19	03	07	solidified wastes other than those mentioned in 19 03 06	No
19	04	01	verified waste	No
19	04	02	fly ash and other flue-gas treatment wastes	Yes
19	04	03	non-verified solid phase	Yes
19	04	04	aqueous liquid wastes from verified waste temporing	No
19	05	01	non-composted fraction of municipal and similar wastes	No
19	05	02	non-composted fraction of animal and vegetable waste	No
19	05	03	off-specification compost	No
19	05	04	wastes not otherwise specified	No
19	05	05	liquor from anaerobic treatment of municipal waste	No
19	05	06	digestate from anaerobic treatment of municipal waste	No
19	05	07	liquor from anaerobic treatment of animal and vegetable waste	No
19	05	08	digestate from anaerobic treatment of animal and vegetable waste	No
19	05	09	wastes not otherwise specified	No
19	07	02	landfill leachate containing dangerous substances	Yes
19	07	03	landfill leachate other than those mentioned in 19 07 02	No
19	08	01	screenings	No
19	08	02	waste from dewatering	No
19	08	03	sludges from treatment of urban waste water	No
19	08	04	saturated or spent ion exchange resins	Yes
19	08	05	solutions and sludges from regeneration of ion exchangers	Yes
19	08	06	membrane system waste containing heavy metals	Yes
19	08	07	grease and oil mixtures from oil/water separation containing only edible oil and fats	No
19	08	08	grease and oil mixtures from oil/water separation other than those mentioned in 19 08 07	Yes
19	08	09	sludges containing dangerous substances from biological treatment of industrial waste water	Yes
19	08	10	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 09	No
19	08	11	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 10	No
19	08	12	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11	No
19	08	13	sludges from other treatment of industrial waste water	Yes
19	08	14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13	No
19	08	15	wastes not otherwise specified	No
19	09	01	solid waste from primary filtration and screenings	No
19	09	02	sludges from water clarification	No
19	09	03	sludges from decantation	No
19	09	04	spent activated carbon	No
19	09	05	saturated or spent ion exchange resins	No
19	09	06	solutions and sludges from regeneration of ion exchangers	No
19	09	07	wastes not otherwise specified	No
19	10	01	iron and steel waste	No
19	10	02	non-ferrous waste	No
19	10	03	fluff light fraction and dust containing dangerous substances	Yes
19	10	04	fluff light fraction and dust other than those mentioned in 19 10 03	No
19	10	05	other fractions containing dangerous substances	Yes
19	10	06	other fractions other than those mentioned in 19 10 05	No
19	11	01	spent filter cloths	Yes
19	11	02	acid tars	Yes
19	11	03	aqueous liquid wastes	Yes
19	11	04	wastes from cleaning of fuel with bases	Yes
19	11	05	sludges from on-site effluent treatment containing dangerous substances	Yes
19	11	06	sludges from on-site effluent treatment other than those mentioned in 19 11 05	No
19	11	07	wastes from on-site cleaning	Yes
19	11	08	wastes not otherwise specified	No
19	12	01	paper and cardboard	No
19	12	02	ferrous metal	No
19	12	03	non-ferrous metal	No
19	12	04	plastic and rubber	No
19	12	05	glass	No
19	12	06	wood containing dangerous substances	Yes
19	12	07	wood other than that mentioned in 19 12 06	No
19	12	08	textiles	No
19	12	09	minerals (for example sand, stones)	No
19	12	10	combustible waste (refuse, detritus)	No
19	12	11	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	Yes
19	12	12	other wastes (including mixtures of materials) from mechanical treatment of waste other than those mentioned in 19 12 11	No
19	13	01	solid wastes from soil remediation containing dangerous substances	Yes
19	13	02	solid wastes from soil remediation other than those mentioned in 19 13 01	No
19	13	03	sludges from soil remediation containing dangerous substances	Yes
19	13	04	sludges from soil remediation other than those mentioned in 19 13 03	No
19	13	05	sludges from groundwater remediation containing dangerous substances	Yes
19	13	06	sludges from groundwater remediation other than those mentioned in 19 13 05	No
19	13	07	aqueous liquid wastes and aqueous concentrates from groundwater remediation containing dangerous substances	Yes
19	13	08	aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07	No
20	01	01	paper and cardboard	No
20	01	02	glass	No
20	01	03	biodegradable kitchen and canteen waste	No
20	01	04	clothes	No
20	01	05	textiles	No
20	01	06	solvents	Yes
20	01	07	acids	Yes
20	01	08	alkalis	Yes
20	01	09	pesticides	Yes
20	01	10	fluorocarbon tubes and other mercury containing waste	Yes
20	01	11	discarded equipment containing chlorofluorocarbons	Yes
20	01	12	oil and fat	No
20	01	13	oil and fat other than those mentioned in 20 01 12	Yes
20	01	14	paint, ink, adhesives and resins containing dangerous substances	Yes
20	01	15	paint, ink, adhesives and resins other than those mentioned in 20 01 14	No
20	01	16	detergents containing dangerous substances	Yes
20	01	17	detergents other than those mentioned in 20 01 16	No
20	01	18	cytotoxic and cytostatic medicines	Yes
20	01	19	medicines other than those mentioned in 20 01 18	No
20	01	20	batteries and accumulators included in 18 06 01, 18 06 02 or 18 06 03 and unsorted batteries and acc.	Yes
20	01	21	batteries and accumulators other than those mentioned in 20 01 20	No
20	01	22	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 22 and 20 01 23	Yes
20	01	23	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 22 and 20 01 23	No
20	01	24	wood containing dangerous substances	Yes
20	01	25	wood other than that mentioned in 20 01 24	No
20	01	26	plastics	No
20	01	27	metals	No
20	01	28	wastes from chimney sweeping	No
20	01	29	other fractions not otherwise specified	No
20	02	01	biodegradable waste	No
20	02	02	soil and stones	No
20	02	03	other non-biodegradable wastes	No
20	02	04	mixed municipal waste	No
20	02	05	waste from markets	No
20	02	06	street-cleaning residues	No
20	02	07	septic tank sludge	No
20	02	08	waste from sewage cleaning	No
20	02	09	bulky waste	No
20	02	10	municipal waste not otherwise specified	No

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 Storage pending any of the operations numbered D1-D14	Disposal
D15	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
D6	Release to waters Release into a water body except seas/oceans - deposit of non-hazardous dredging sludge and other non-hazardous sludge in surface water including the bed and the subsoil.	Disposal
D7	Release to sea Release into seas/oceans including sea-bed insertion - 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
D8	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 -biological-mechanical treatment of municipal waste; biological treatment of contaminated soil; sludges or mineral wastes, if followed by disposal	Disposal
D9	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: mulsions 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.	Disposal
R1	Use as fuel Use as a fuel (other than in direct incineration) or other means to generate energy - 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
R10	Landspreading Land treatment resulting in benefit to agriculture or ecological improvement - 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
R11a	Backfill (including infill or use of waste as daily cover at landfills)	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

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

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, Simazine	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 1 eq)	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
Åland 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
Liberia
Libyan Arab Jamahiriya
Liechtenstein
Lithuania
Luxembourg
Macao
Macedonia the Former Yugoslav Republic of

Madagascar
Malawi
Malaysia
Maldives
Mali
Malta
Marshall Islands
Martinique
Mauritania
Mauritius
Mayotte
Mexico
Micronesia Federated States of
Moldova Republic of
Monaco
Mongolia
Montenegro
Montserrat
Morocco
Mozambique
Myanmar
Namibia
Nauru
Nepal
Netherlands
Netherlands Antilles
New Caledonia
New Zealand
Nicaragua
Niger
Nigeria
Niue
Norfolk Island
Northern Mariana Islands
Norway
Oman
Pakistan
Palau
Palestinian Territory Occupied
Panama
Papua New Guinea
Paraguay
Peru
Philippines
Pitcairn
Poland
Portugal
Puerto Rico
Qatar
Reunion
Romania
Russian Federation
Rwanda
Saint Barthélemy
Saint Helena

Saint Kitts and Nevis
Saint Lucia
Saint Martin
Saint Pierre and Miquelon
Saint Vincent and the Grenadines
Samoa
San Marino
Sao Tome and Principe
Saudi Arabia
Senegal
Serbia
Seychelles
Sierra Leone
Singapore
Slovakia
Slovenia
Solomon Islands
Somalia
South Africa
South Georgia and the South Sandwich Islands
Spain
Sri Lanka
Sudan
Suriname
Svalbard and Jan Mayen
Swaziland
Sweden
Switzerland
Syrian Arab Republic
Taiwan Province of China
Tajikistan
Tanzania United Republic of
Thailand
Timor-Leste
Togo
Tokelau
Tonga
Trinidad and Tobago
Tunisia
Turkey
Turkmenistan
Turks and Caicos Islands
Tuvalu
Uganda
Ukraine
United Arab Emirates
United Kingdom
United States
United States Minor Outlying Islands
Uruguay
Uzbekistan
Vanuatu
Venezuela

Viet Nam
Virgin Islands British
Virgin Islands U.S.
Wallis and Futuna
Western Sahara
Yemen
Zambia
Zimbabwe

Model Types
Gassim Lite
Gassim Lite 1.5
Gassim 2.5
Landgem

General Help

This Excel workbook is divided into numerous worksheets
The first group of worksheets form the AER return once filled in by the licensee
The remaining worksheets provide reference material to assist in the filling out of the data
Quick help on filling out each sheet can also be found by hovering your mouse over the red triangle in cells that include help

Printing

The AER return data from each sheet can be printed by clicking on the PRINT THIS SHEET button

Creating & Submitting an AER Return

Once all relevant data has been entered click the CREATE AER XML RETURN & UPLOAD button on the Facilities worksheet
This will validate the workbook and prompt you to enter a location for creating the XML AER Return file (C:\ by default)
You can either accept the default path or enter a different path where the file will be created, then click the OK button
Once the file has been created a message will be displayed containing further instructions (Make a note of the XML file at this point)
You will then be redirected to the AER returns website where you must first login and then attach your XML file for uploading
It is therefore important to ensure you have internet access from the computer you are making a return from
Follow the instructions on the website to complete the AER return

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Facility ID & Activities

This worksheet contains Licensee-specific information about the facility making the return
The following areas should be filled out on this worksheet :

Production Volume
Number of Installations
Number of Operating Hours in Year
Number of Employees
User Feedback/Comments
Web Address

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You should also fill out section 3 - Solvents Directive

Please examine all pre-entered data to ensure that it is correct. You will need to inform the EPA if anything should be altered

Releases to Air

This worksheet allows you to enter any pollutants that are released to air
Based on your Class Activities the PRTR pollutants list will be divided into two sections (Section A and B)
Section A represents sector-specific pollutants which apply to air and are based on your class activities
Section B represents all remaining pollutants that could be released to air but are not contained in Section A
This division of pollutants allows for quicker and more intuitive filling out of the worksheet as pollutants are grouped by priority
The third section (Section C) provides an area to fill in Licensed pollutants

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An additional section for Landfill operators must be filled out also
Enter a Total KG/Year, Method used details and the Facility Total Capacity as appropriate

Each section is filled in the same manner

Begin by selecting a pollutant from the dropdown list under the pollutant section
When you select a pollutant the pollutant number and name will appear in the corresponding cells
Next, fill in the method used section of the worksheet by selecting a method from the dropdown list
Only Measured, Calculated or Estimated are the values that can be entered here
Fill in a Method Code and Designation or Description (For further help please refer to the Methods Used worksheet)
Next, enter the quantities of release for this pollutant under Emission Point 1
This will appear in the Total Quantity cell also

[Click here for Methods Used Reference](#)

If any Accidental or Fugitive releases for this pollutant are applicable then enter these under the Accidental or Fugitive section
If you have releases from more than one Emission Point then you can add additional points by clicking on the Add Emission Point button
This will add an additional Emission Point column to the right of the last one (A maximum of 9 points can be used)
The Accidental and Fugitive quantities represent the totals for ALL emission points and not one particular point

You can also enter comments or a description of each emission point in the grey cell over the emission point

In order to add another pollutant in a particular section you must click the ADD NEW ROW button
If you have made a mistake and wish to remove the last row entered then click the DELETE LAST ROW button in the relevant section
If you have no releases for a particular section then do not enter any pollutant or related data into the section - leave it blank

Releases to Waters

This worksheet allows you to enter any pollutants that are released to water
Based on your Class Activities the PRTR pollutants list will be divided into two sections (Section A and B)
Section A represents sector-specific pollutants which apply to water and are based on your class activities
Section B represents all remaining pollutants that could be released to water but are not contained in Section A
This division of pollutants allows for quicker and more intuitive filling out of the worksheet as pollutants are grouped by priority
The third section (Section C) provides an area to fill in Licensed pollutants

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Each section is filled in the same manner

Begin by selecting a pollutant from the dropdown list under the pollutant section
When you select a pollutant the pollutant number and name will appear in the corresponding cells
Next, fill in the method used section of the worksheet by selecting a method from the dropdown list
Only Measured, Calculated or Estimated are the values that can be entered here
Fill in a Method Code and Designation or Description (For further help please refer to the Methods Used worksheet)
Next, enter the quantities of release for this pollutant under Emission Point 1
This will appear in the Total Quantity cell also

[Click here for Methods Used Reference](#)

If any Accidental or Fugitive releases for this pollutant are applicable then enter these under the Accidental or Fugitive section
If you have releases from more than one Emission Point then you can add additional points by clicking on the Add Emission Point button
This will add an additional Emission Point column to the right of the last one (A maximum of 9 points can be used)
The Accidental and Fugitive quantities represent the totals for ALL emission points and not one particular point

You can also enter comments or a description of each emission point in the grey cell over the emission point

In order to add another pollutant in a particular section you must click the ADD NEW ROW button
If you have made a mistake and wish to remove the last row entered then click the DELETE LAST ROW button in the relevant section
If you have no releases for a particular section then do not enter any pollutant or related data into the section - leave it blank

Offsite Transfers of Pollutants

This worksheet allows you to enter any pollutants that are transferred offsite and are destined for waste-water treatment or sewer
This worksheet is divided into two sections (Section A and B)
Section A represents PRTR pollutants while section B represents Licensed pollutants

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Each section is filled in the same manner

Begin by selecting a pollutant from the dropdown list under the pollutant section
When you select a pollutant the pollutant number and name will appear in the corresponding cells
Next, fill in the method used section of the worksheet by selecting a method from the dropdown list
Only Measured, Calculated or Estimated are the values that can be entered here
Fill in a Method Code and Designation or Description (For further help please refer to the Methods Used worksheet)
Next, enter the quantities of release for this pollutant under Emission Point 1
This will appear in the Total Quantity cell also

[Click here for Methods Used Reference](#)

If any Accidental or Fugitive releases for this pollutant are applicable then enter these under the Accidental or Fugitive section
If you have releases from more than one Emission Point then you can add additional points by clicking on the Add Emission Point button
This will add an additional Emission Point column to the right of the last one (A maximum of 9 points can be used)
The Accidental and Fugitive quantities represent the totals for ALL emission points and not one particular point

You can also enter comments or a description of each emission point in the grey cell over the emission point

In order to add another pollutant in a particular section you must click the ADD NEW ROW button
If you have made a mistake and wish to remove the last row entered then click the DELETE LAST ROW button in the relevant section
If you have no releases for a particular section then do not enter any pollutant or related data into the section - leave it blank

Releases to Land

This worksheet allows you to enter any pollutants that are released to land
This worksheet is divided into two sections (Section A and B)
Section A represents PRTR pollutants while section B represents Licensed pollutants

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Each section is filled in the same manner
Begin by selecting a pollutant from the dropdown list under the pollutant section
When you select a pollutant the pollutant number and name will appear in the corresponding cells
Next, fill in the method used section of the worksheet by selecting a method from the dropdown list
Only Measured, Calculated or Estimated are the values that can be entered here
Fill in a Method Code and Designation or Description (For further help please refer to the Methods Used worksheet)
Next, enter the quantities of release for this pollutant under Emission Point 1
This will appear in the Total Quantity cell also

[Click here for Methods Used Reference](#)

If any Accidental releases for this pollutant are applicable then enter these under the Accidental section
If you have releases from more than one Emission Point then you can add additional points by clicking on the Add Emission Point button
This will add an additional Emission Point column to the right of the last one (A maximum of 9 points can be used)
The Accidental quantities represent the totals for ALL emission points and not one particular point

You can also enter comments or a description of each emission point in the grey cell over the emission point

In order to add another pollutant in a particular section you must click the ADD NEW ROW button
If you have made a mistake and wish to remove the last row entered then click the DELETE LAST ROW button in the relevant section
If you have no releases for a particular section then do not enter any pollutant or related data into the section - leave it blank

Treatment & Transfers of Waste

This worksheet allows you to enter onsite treatment and offsite transfers of waste
Begin by selecting the transfer destination from the dropdown list (valid entries are Within the Country or To Other Countries)
Next, select the EWC (European Waste Code) by double-clicking on the EWC cell for the record you are filling out
The EWC reference worksheet will be displayed
Select the appropriate chapters to build the waste code (These are broken into Group, SubGroup and Code on the reference sheet)
To select a code double-click on it where you will then be brought to the next section of codes under the selected one
Appropriate codes for the selected values will be highlighted in blue
Repeat this for the subsequent levels to retrieve the full six-digit Waste Code
The code will then be returned to the Treatment & Transfers of Waste sheet that is being filled out
If you already know the full six digit EWC then just scroll down the Waste Reference sheet and double click on the six-digit code
The Hazardous value for the entered EWC will be displayed
Enter a quantity for the particular EWC (Tonnes/year)
Enter a description for the waste
Next, select a Waste Treatment Operation by double-clicking on the cell under this section
The Waste Treatment Operation reference worksheet will be displayed
Select the appropriate code by double-clicking on it
The code will then be returned to the Treatment & Transfers of Waste sheet that is being filled out
Select a method used from the dropdown lists in the Method Used section of the sheet
Select a Location of Treatment from the dropdown list (valid values are Onsite in Ireland, Offsite in Ireland and Abroad)
Enter the name of the recoverer/dispenser
Enter the address of the recoverer/dispenser
Enter the final address of the recovery/disposal site
Enter the Licence / Permit No. of the final recovery/disposal site
In order to add another waste code record you must click the ADD NEW ROW button
If you have made a mistake and wish to remove the last row entered then click the DELETE LAST ROW button in the relevant section
If you have no waste data to enter then do not enter any waste or related data into this worksheet - leave it blank

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Ref. - NACE Codes

This worksheet contains reference information for NACE codes

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[Click here for NACE Codes Reference](#)

Ref. PRTR Activities

This worksheet contains reference information for PRTR Class Activities

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[Click here for PRTR Class Activities Reference](#)

Ref. PRTR Pollutants

This worksheet contains reference information for PRTR Pollutants

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[Click here for PRTR Pollutants Reference](#)

Ref. Licensed Pollutants

This worksheet contains reference information for Licensed Pollutants

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[Click here for Licensed Pollutants Reference](#)

Ref. Waste Codes

This worksheet contains reference information for EWC (European Waste Codes)

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[Click here for Waste Codes Reference](#)

Ref. Recoverer/Dispenser Codes

This worksheet contains reference information for Recoverer and Dispenser Codes

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[Click here for Recoverer/Dispenser Codes Reference](#)

Ref. Methods Used

This worksheet contains reference information for Methods Used

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[Click here for Methods Used Reference](#)

Please enter details below then click the OK button

Name of Recoverer / Disposer / Next Destination Facility	Starrus Eco Holdings
Licence / Permit No. of Recoverer / Disposer / Next Destination Facility	W0053-03
Address of Recoverer / Disposer / Next Destination Facility	
Address 1 / Street name	Fassaroe
Address 2 / Building number	.
Address 3 / City name	Bray
Address 4 / Postcode	Wicklow
Country	Ireland

Please enter a full stop "." in an address field if there is no data to be entered

Alternatively, please select from previously entered details by clicking on the row below then click OK

Name and License / Permit No.	Address of Recoverer / Disposer / Broker
Various off-site reuse in constructi,Ireland
Various off-site reuse in constructi,Ireland
Multimetals,WFP-WW-13-0014-04	Bollorney,The Murrough,Wicklow Town,0,ireland
Starrus Eco Holdings - Starrus Ec	Fassaroe,Bray,Co Wicklow,..,ireland
Starrus Eco Holdings,W0053-03	Fassaroe,..,Bray,Wicklow,Ireland

Please enter details below then click the OK button

Name of Final Recoverer / Disposer	Multimetals Recycling Ltd
License / Permit No. of Final Recoverer / Disposer	WFP-WW-09-0014-05
Address of Final Recoverer / Disposer	
Address 1 / Street name	Bollorney
Address 2 / Building number	The Murrough
Address 3 / City name	Wicklow
Address 4 / Postcode	.
Country	Ireland
Address of Actual Recovery / Disposal Site	
Address 1 / Street name	.
Address 2 / Building number	.
Address 3 / City name	.
Address 4 / Postcode	.
Country	Ireland

Please enter a full stop "." in an address field if there is no data to be entered

Alternatively, please select from previously entered details by clicking on the row below then click OK

Name and License / Permit No.	Address of Final Recoverer / Disposer	Address of Actual Recovery / Disposal Site
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Previous years data is correct as at 28/03/2017 16:52

Release_To	Year	Pollutant_Number	Pollutant_Description	M_C_E	Method_Code	Method_Description	Total
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Previous years data is correct as at 28/03/2017 16:52

Type of Waste	Previous Year Total	Current Year Total	Percentage Change
Hazardous Waste inside the country for disposal	0	0	0
Hazardous Waste inside the country for recovery	0	0	0
Hazardous Waste outside the country for disposal	0	0	0
Hazardous Waste outside the country for recovery	0	0	0
Non-Hazardous Waste for disposal	14.2	4.2	-70.42253521
Non-Hazardous Waste for recovery	42052.24	51047	21.38949079