SELECT	cells that are highlighted blue contain a drop
guidance document link	cells that contain underlined text click to acc
Table heading *	table headings followed by a symbol have an
Cells with red indicator in top right corner	cells that have a red indicator in the top right

Please note an interpretation of results is still required. This should be entered in the
appropriately to fit your interpretation, if additional space is required please include
excel template should have all cells sized appropriately so t

down menu click to select one option from the list

ess relevant guidance documents for this section

associated footnote or instructions

t corner contain a comment box with further instructions or clarification

additional information/comments boxes within the templates. Please size these boxes
e an appendix to the AER template and merge it as part of the AER PDF document. The
hat all text is readable before it is converted to PDF document.

Facility Information Summary	
AER Reporting Year	2015
Licence Register Number	W0211-011
Name of site	ERAS ECO Ltd
Site Location	Foxhole, Youghal, Co. Cork
NACE Code	3821
Class/Classes of Activity	Principal class 4.2
National Grid Reference (6E, 6 N)	2097E, 7977N
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.	al organic fraction). These wastes are either subject to furthersegregation and baling on site or bulked up for tra

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.

_____Michael Dee_____	__25/08/16_____
Signature Group/Facility manager (or nominated, suitably qualified and experienced deputy)	Date

AIR-summary template	Lic No:	W0211-011	Year	2015

Answer all questions and complete all tables where relevant

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

Periodic/Non-Continuous Monitoring

2	Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below		No	
3	Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist?	Basic air monitoring checklist AGN2	Yes	

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

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision therof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments - reason for change in % mass load from previous year if applicable
A1	Nitrogen oxides (NOx/NO2)	Quarterly	250	100 % of values < ELV	310	mgC/Nm3	yes	EN 15058:2004	11451	Increase in operations, + incease in
A1	Sulphur oxides (SOx/SO2)	Quarterly	N/A	100 % of values < ELV	161.83	mgC/Nm3	yes	EN 15058:2004	5150	Increase in operations, + incease in
A1	Total Particulates	Quarterly	20	100 % of values < ELV	5.6	mgC/Nm3	yes	OTH	262	
A1	Carbon monoxide (CO)	Quarterly	150	100 % of values < ELV	5.3	mgC/Nm3	yes	EN 15058:2004	248	Increase in operations,
A2	Ammonia (NH3)	Biannually	N/A	100 % of values < ELV	0.36	mgC/Nm3	yes	EN 13649:2001	0.000004752	Increase in operations,
A2	Total Organic Carbon (as C)	Biannually	N/A	100 % of values < ELV	11.36	mgC/Nm3	yes	OTH	0.00001617	Increase in operations,
A2	Hydrogen sulphide	Biannually	N/A	100 % of values < ELV	0.09	mgC/Nm3	yes	EN 13649:2001	0.000022704	Increase in operations,
A2	Mercaptans	Biannually	N/A	100 % of values < ELV	0.5	mgC/Nm3	yes	OTH	0.0000006	Increase in operations, + incease in

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

AIR-summary template	Lic No:	W0211-011	Year	2015

Continuous Monitoring

4	Does your site carry out continuous air emissions monitoring?	No	
	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)		
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 therof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission	Annual maximum	Monitoring Equipment downtime (hours)	Number of ELV exceedences in current reporting year	Comments

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

SELECT

Table A4: Solvent Management Plan Summary
Total VOC Emission limit value

Solvent regulations — Please refer to linked solvent regulations to complete table 5 and 6

Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)	Total VOC emissions as %of solvent input	Total Emission Limit Value (ELV) in licence or any revision therof	Compliance
					SELECT
					SELECT

Table 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: W0211-011 Year 2015

		Additional information
1	Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If **you do not have** licenced emissions you only need to complete table W1 and or W2 for storm water analysis and visual inspections	No emissions to wastewater. There is emissions to sewer
2	Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table W2 below summarising only any evidence of contamination noted during visual inspections	

Table W1 Storm water monitoring

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

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

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

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

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

					Additional information
3	Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below			SELECT	
4	Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box	External /Internal Lab Quality checklist	Assessment of results checklist	SELECT	

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

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision therof Note 2	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	Comments
	SELECT	SELECT	SELECT		SELECT		SELECT		SELECT	SELECT	SELECT				
SE1	Wastewater/Sewer	pH	composite	weekly	24 hour	<6 or >8.5	No pH value shall deviate from the specified range	7.49	pH units	yes	pH Meter (Electrode)	APHA / AWWA "Standard	APHA-4500-H-B	N/A	<ELV
SE1	Wastewater/Sewer	Ammonia (as N)	composite	weekly	24 hour	0.5	No flow value shall exceed the specific limit	7.1	mg/L	yes	stion + Spectrophotom	APHA / AWWA "Standard	APHA-4500-NH3-D	0.326	<ELV
SE1	Wastewater/Sewer	Suspended Solids	composite	weekly	24 hour	35	No flow value shall exceed the specific limit	34	mg/L	yes	ductivity Meter (Electr	APHA / AWWA "Standard	APHA-2540-D	1.56	<ELV
SE1	Wastewater/Sewer	BOD	composite	monthly	24 hour	10	No flow value shall exceed the specific limit	4.5	mg/L	yes	stion + Spectrophotom	APHA / AWWA "Standard	APHA-5120-B	0.21	<ELV
SE1	Wastewater/Sewer	COD	composite	weekly	24 hour	125	No flow value shall exceed the specific limit	20.08	mg/L	yes	stion + Spectrophotom	APHA / AWWA "Standard	APHA-5120-D	0.955	<ELV
SE1	Wastewater/Sewer	Total nitrogen	composite	Quarterly	24 hour	10	No flow value shall exceed the specific limit	5.16	mg/L	yes	stion + Spectrophotom	APHA / AWWA "Standard	APHA-4500-N-C	0.237	<ELV
SE1	Wastewater/Sewer	Semi-volatiles	composite	Quarterly	24 hour	0.5	No flow value shall exceed the specific limit	0.001	mg/L	yes	C (Gas Chromatograph	APHA / AWWA "Standard	GC-FID	0.05	<ELV
SE1	Wastewater/Sewer	Volatile organic compounds (as TOC)	composite	Quarterly	24 hour	0.5	No flow value shall exceed the specific limit	0.001	mg/L	yes	C (Gas Chromatograph	APHA / AWWA "Standard	GC-FID	0.05	<ELV
SE1	Wastewater/Sewer	Sulphate	composite	Quarterly	24 hour	100	No flow value shall exceed the specific limit	14.56	mg/L	yes	rophotometry (Colorim	APHA / AWWA "Standard	APHA-3120-B	0.67	<ELV
SE1	Wastewater/Sewer	Total phosphorus	composite	Biannual	24 hour	1	No flow value shall exceed the specific limit	0.5	mg/L	yes	rophotometry (Colorim	APHA / AWWA "Standard	APHA-4500-P	22.97	<ELV
SE1	Wastewater/Sewer	Cyanides (as total CN)	composite	Biannual	24 hour	0.1	No flow value shall exceed the specific limit	0.02	mg/L	yes	rophotometry (Colorim	APHA / AWWA "Standard	APHA-4500-CN-E	0.92	<ELV
SE1	Wastewater/Sewer	Mercury and compounds (as Hg)	composite	Annual	24 hour		No flow value shall exceed the specific limit	0.0184	mg/L	yes	omic Absorption Spectr	APHA / AWWA "Standard	APHA-3120-B	0.85	<ELV
SE1	Wastewater/Sewer	Lead and compounds (as Pb)	composite	Annual	24 hour	0.005	No flow value shall exceed the specific limit	0.006	mg/L	yes	vely Coupled Plasma -	APHA / AWWA "Standard	APHA-3120-B	0.275	<ELV
SE1	Wastewater/Sewer	Zinc and compounds (as Zn)	composite	Annual	24 hour	0.1	No flow value shall exceed the specific limit	0.049	mg/L	yes	vely Coupled Plasma -	APHA / AWWA "Standard	APHA-3120-B	2.25	<ELV
SE1	Wastewater/Sewer	Copper and compounds (as Cu)	composite	Annual	24 hour	0.03	No flow value shall exceed the specific limit	0.0096	mg/L	yes	vely Coupled Plasma -	APHA / AWWA "Standard	APHA-3120-B	0.441	<ELV
SE1	Wastewater/Sewer	Cadmium and compounds (as Cd)	composite	Annual	24 hour	0.005	No flow value shall exceed the specific limit	0.0096	mg/L	yes	vely Coupled Plasma -	APHA / AWWA "Standard	APHA-3120-B	0.441	<ELV
SE1	Wastewater/Sewer	Arsenic and compounds (as As)	composite	Annual	24 hour	0.02	No flow value shall exceed the specific limit	0.001	mg/L	yes	vely Coupled Plasma -	APHA / AWWA "Standard	APHA-3120-B	0.005	<ELV
SE1	Wastewater/Sewer	Chromium and compounds (as Cr)	composite	Annual	24 hour	0.025	No flow value shall exceed the specific limit	0.002	mg/L	yes	vely Coupled Plasma -	APHA / AWWA "Standard	APHA-3120-B	0.092	<ELV
SE1	Wastewater/Sewer	Nickel and compounds (as Ni)	composite	Annual	24 hour	0.015	No flow value shall exceed the specific limit	0.003	mg/L	yes	vely Coupled Plasma -	APHA / AWWA "Standard	APHA-3120-B	0.66	<ELV

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)	Lic No:	W0211-011	Year	2015

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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0211-011 Year 2015

Continuous monitoring

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

If yes please summarise your continuous monitoring data below in Table 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	
7	Do you have a proactive service contract for each piece of continuous monitoring equipment on site?	SELECT	
8	Did abatement system bypass occur during the reporting year? **If yes please complete table W5 below**	SELECT	

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
SE1	Wastewater/Sewer	pH	<6; or >8.5	24 hour	All values < ELV	pH units	N/A	0	0		
	Wastewater/Sewer	volumetric flow	>170m3/day	24 hour	All values < ELV	m3/day	N/A	0	0		

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

Table W5: Abatement system bypass reporting table

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

*Measures taken or proposed to reduce or limit bypass frequency

Bund/Pipeline testing template

Lic No: W0211-011 Year 2015

Bund testing

dropdown menu click to see options

			Additional information
1	Are you required by your licence to undertake integrity testing on bunds and containment structures ? if yes please fill out table 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)	SELECT	
2	Please provide integrity testing frequency period	SELECT	
3	Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)		
4	How many bunds are on site?		
5	How many of these bunds have been tested within the required test schedule?		
6	How many mobile bunds are on site?		
7	Are the mobile bunds included in the bund test schedule?	SELECT	
8	How many of these mobile bunds have been tested within the required test schedule?		
9	How many sumps on site are included in the integrity test schedule?		
10	How many of these sumps are integrity tested within the test schedule?		
	Please list any sump integrity failures in table B1		
11	Do all sumps and chambers have high level liquid alarms?	SELECT	
12	If yes to Q11 are these failsafe systems included in a maintenance and testing programme?	SELECT	
13	Is the Fire Water Retention Pond included in your integrity test programme?	SELECT	

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		

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

			Commentary
15	Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance?	bunding and storage guidelines	SELECT
16	Are channels/transfer systems to remote containment systems tested?		SELECT
17	Are channels/transfer systems compliant in both integrity and available volume?		SELECT

Pipeline/underground structure testing

1	Are you required by your licence to undertake integrity testing* on underground structures e.g. pipelines or sumps etc ? if yes please fill out table 2 below listing all underground structures and pipelines on site **which failed the integrity test and all which have not been tested withing the integrity test period as specified**	SELECT	
2	Please provide integrity testing frequency period	Other (please specify)	

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

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

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

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

Groundwater/Soil monitoring template	Lic No:	W0211-011	Year	2015

			Comments	
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	yes		Please provide an interpretation of groundwater monitoring data in the interpretation box below or if you require additional space please include a groundwater/contaminated land monitoring results interpretaion as an additional section in this AER
2	Are you required to carry out soil monitoring as part of your licence requirements?	no		
3	Do you extract groundwater for use on site? If yes please specify use in comment section	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 G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below. Groundwater monitoring template	no		
5	Is the contamination related to operations at the facility (either current and/or historic)	N/A		
6	Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	N/A		
7	Please specify the proposed time frame for the remediation strategy	N/A		
8	Is there a licence condition to carry out/update ELRA for the site?	yes		
9	Has any type of risk assesment been carried out for the site?	yes		
10	Has a Conceptual Site Model been developed for the site?	no		
11	Have potential receptors been identified on and off site?	no		
12	Is there evidence that contamination is migrating offsite?	no		Please enter interpretation of data here

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
	MW2/MW3	pH	pH	Biannual	8.03	7.7	pH	N/A	N/A	no trend
	MW2/MW3	Conductivity	APHA -2510 -B	Biannual	672	643.5	m/sv	N/A	N/A	no trend
	MW2/MW3	COD	APHA 5220	Biannual	1	0.5	mg/l	N/A	N/A	no trend
	MW2/MW3	DRO	GC-FID	Biannual	0.01	<0.01	mg/l	N/A	N/A	no trend
	MW2/MW3	PRO	GC-FID	Biannual	0.01	<0.01	mg/l	N/A	N/A	no trend
	MW2/MW3	Ammonia	APHA-4500	Biannual	0.6	0.3	mg/l	N/A	N/A	no trend
	MW2/MW3	Nitrate	APHA 4110	Biannual	23.6	23.5	mg/l	N/A	N/A	no trend
	MW2/MW3	Chloride	APHA 4110	Biannual	38	33.5	mg/l	N/A	N/A	no trend
	MW2/MW3	Iron	APHA 3120	Biannual	48	16.2	mg/l	N/A	N/A	no trend
	MW2/MW3	Cobalt	APHA 3120	Biannual	0.0504	0.025	mg/l	N/A	N/A	no trend
2 Mar	MW2/MW3	Manganese	APHA 3120	Biannual	3.57	1.73	mg/l	N/A	N/A	no trend
2015 & 4	MW2/MW3	Arsenic	APHA 3120	Biannual	0.054	0.02	mg/l	N/A	N/A	no trend
Dec 2015	MW2/MW3	Organohalogens	GC-FID	Biannual	0.005	<.005	mg/l	N/A	N/A	no trend

.+ where average indicates arithmetic mean

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

Table 2: Downgradient Groundwater monitoring results

Groundwater/Soil monitoring template Lic No: W0211-011 Year 2015

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTV's*	SELECT**	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
	MW/1	pH	pH	Biannual	8	7.64	pH	N/A	N/A	no trend
	MW/1	Conductivity	APHA- 2150 -B	Biannual	789	611.5	m/sv	N/A	N/A	no trend
	MW/1	COD	APHA 5220	Biannual	7	4	mg/l	N/A	N/A	no trend
	MW/1	DRO	GC-FID	Biannual	<0.01	<0.01	mg/l	N/A	N/A	no trend
	MW/1	PRO	GC-FID	Biannual	<0.05	<0.03	mg/l	N/A	N/A	no trend
	MW/1	Ammonia	APHA-4500	Biannual	4.6	2.7	mg/l	N/A	N/A	no trend
	MW/1	Nitrate	APHA 4110	Biannual	0.3	0.17	mg/l	N/A	N/A	no trend
	MW/1	Chloride	APHA 4110	Biannual	22.4	16.55	mg/l	N/A	N/A	no trend
	MW/1	Iron	APHA 3120	Biannual	3.1	1.85	mg/l	N/A	N/A	no trend
	MW/1	Cobalt	APHA 3120	Biannual	0.005	<.003	mg/l	N/A	N/A	no trend
2 Mar	MW/1	Manganese	APHA 3120	Biannual	1.4		mg/l	N/A	N/A	no trend
2015 & 4	MW/1	Arsenic	APHA 3120	Biannual	0.0044	0.003	mg/l	N/A	N/A	no trend
Dec 2015	MW/1	Organohalogens	GC-FID	Biannual	<0.005	<0.005	mg/l	N/A	N/A	no trend

*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

More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the link in G31)

Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites (EPA 2013).

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

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

Groundwater/Soil monitoring template Lic No: W0211-011 Year 2015

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

Interim Guideline Values (IGV)

Environmental Liabilities template	Lic No:	W0211-011	Year	2015

Click here to access EPA guidance on Environmental Liabilities and Financial provision

			Commentary
1	ELRA initial agreement status	Submitted and agreed by EPA	
2	ELRA review status	Review required and not completed;	
3	Amount of Financial Provision cover required as determined by the latest ELRA	536000	
4	Financial Provision for ELRA status	Submitted and agreed by EPA	
5	Financial Provision for ELRA - amount of cover	288000	
6	Financial Provision for ELRA - type	vironmental Impairment Liability insurance	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	sure plan submitted and not agreed by EPA	
9	Closure plan review status	Review required and not completed	
10	Financial Provision for Closure status	Submitted and not agreed by EPA;	
11	Financial Provision for Closure - amount of cover	288000	
12	Financial Provision for Closure - type	vironmental Impairment Liability insurance	
13	Financial provision for Closure expiry date	Enter expiry date	

Environmental Management Programme/Continuous Improvement Programme template	Lic No:	W0211-011	Year	2015

	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	14001
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes	

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Reduction of emissions to Air	Reduce odour complaints	80	Waste mgt trining, remedial w	Individual	Less complaints
Additional improvements	Staff training	40	TBD	Individual	Improved Environmental Management Practices
Materials Handling/Storage/Bunding	Bund testing	0	Testing	Individual	Increased compliance with licence conditions

Noise monitoring summary report

Lic No: W0211-011 Year 2015

1	Was noise monitoring a licence requirement for the AER period? If yes please fill in table N1 noise summary below	Yes
2	Was noise monitoring carried out using the EPA Guidance note, including completion of the "Checklist for noise measurement report" included in the guidance note as table 6? (Noise Guidance note NG4)	Yes
3	Does your site have a noise reduction plan	No
4	When was the noise reduction plan last updated?	Enter date
5	Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?	No

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)?
28/10/2015	13.33-15.03	N1		57	47.8	59.2	59.2	No	Yes	Local traffic, low level n	SELECT
28/10/2015	14.58-16.28	N2		52.63	44.4	54.9	54.9	No	Yes	Site noise, distant traffic	
28/10/2015	13.20-14.50	N3		54.3	46.3	56.3	56.3	No	Yes	Local traffic, industrail noise from adjacent facility	
28/10/2015	11.09-12.39	NSR		62	52.2	63.9	63.9	No	Yes	Local traffic, no site noise	

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

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

** please explain the reason for not taking action/resolution of noise issues?

Any additional comments? (less than 200 words)

Resource Usage/Energy efficiency summary

Lic No: W0211-011 Year 2015

			Additional information
1	When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below	Enter date of audit	2010
2	Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI programme linked to the right? If yes please list them in additional information	SEAI - Large Industry Energy Network (LIEN)	
		No	
3	Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information	Yes	

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)				
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	376.89			
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)	7.156	6		
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass		1758.65		
Renewable energy generated on site	1496.44	1975.3	32	

* 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^3yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:
Groundwater							
Surface water							
Public supply	2.123	3.64	72%				
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

Table R3 Waste Stream Summary

	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)					
Non-Hazardous (Tonnes)	13,226.04		527.42		

Resource Usage/Energy efficiency summary Lic No: W0211-011 Year 2015

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:	W0211-011	Year	2015
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES	PRTR facility logon	dropdown list click to see options		

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

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

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

Licenced annual tonnage limit for your site (total tonnes/annum)	EWC code European Waste Catalogue EWC codes	Source of waste accepted	Description of waste accepted **Please enter an accurate and detailed description - which applies to relevant EWC code** European Waste Catalogue EWC codes	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/ Increase over previous year +/ - %	Reason for reduction/ increase from previous reporting year	Packaging Content (%)- only applies if the waste has a packaging component	Disposal/Recovery or treatment operation carried out at your site and the description of this operation	Quantity of waste remaining on site at the end of reporting year (tonnes)	Comments -
110,000	*02 07 04*	*02-WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING*	*Beverage Waste*	*211.46*	*227.92*	decrease	*supplier decrease*	*unknown*	*R3-Recycling/reclamation or organic substances which are not used as solvents(including cor*		
110,000	*02 01 04*	*02-WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING*	*farm plastics*	*362.94*	*0*	increase	*Supplier increase*	*unknown*	*R3-Recycling/reclamation or organic substances which are not used as solvents(including cor*		
110,000	*07 02 12*	*07- WASTES FROM ORGANIC CHEMICAL PROCESSES*	*Waste sludge from WWTP*	*698.32*	*605.76*	increase	*Supplier increase*	*unknown*	*R3-Recycling/reclamation or organic substances which are not used as solvents(including cor*		
110,000	*07 05 12*	*07- WASTES FROM ORGANIC CHEMICAL PROCESSES*	*Pharma sludge*	*2,033.78*	*1969.08*	increase	*Supplier increase*	*unknown*	*R3-Recycling/reclamation or organic substances which are not used as solvents(including cor*		
110,000	*11 01 10*	*11- WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY*	*waste sludge*	*75.02*	*50.44*	increase	*Supplier increase*	*unknown*	*R3-Recycling/reclamation or organic substances which are not used as solvents(including cor*		
110,000	*17 09 04*	*17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)*	*Mixed C&D waste*	*51.86*	*1828.88*	decrease	*supplier decrease*	*unknown*	*R3-Recycling/reclamation or organic substances which are not used as solvents(including cor*		
110,000	*19 02 06*	*19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE*	*filter cakes*	*52.46*	*44*	increase	*Supplier increase*	*unknown*	*R3-Recycling/reclamation or organic substances which are not used as solvents(including cor*		

WASTE SUMMARY						Lic No:	W0211-011	Year	2015			
110,000	19 08 05	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	WWTP sludges	6520.45	8800.9	decrease	supplier decrease	unknown	R3-Recycling/reclamation or organic substances which are not used as solvents(including cor		
110,000	19 09 02	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	WTP sludges	1,122.64	410.26	increase		unknown	R3-Recycling/reclamation or organic substances which are not used as solvents(including cor		
110,000	19 09 04	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	WWTP Solids	81.68	45.38	increase		unknown	R3-Recycling/reclamation or organic substances which are not used as solvents(including cor		
110,000	20 03 07	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Bulky wastes	256.78	1323.77	decrease		unknown	R3-Recycling/reclamation or organic substances which are not used as solvents(including cor		

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

4 Is all waste processing infrastructure as required by your licence and approved by the Agency in place? If no please list waste processing infrastructure required onsite	Yes	
5 Is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site	Yes	
6 Does your facility have relevant nuisance controls in place?	Yes	
7 Do you have an odour management system in place for your facility? If no why?	Yes	
8 Do you maintain a sludge register on site?	Yes	

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

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
										SELECT UNIT	SELECT UNIT	SELECT UNIT

WASTE SUMMARY					Lic No:	W0211-011	Year	2015				
Cell 8												

WASTE SUMMARY Lic No: W0211-011 Year 2015

Table 4 Environmental monitoring-landfill only

Landfill Manual-Monitoring Standards

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

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

Table 5 Capping-Landfill only

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

*please note this includes daily cover area

Table 6 Leachate-Landfill only

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

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

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

Table 7 Landfill Gas-Landfill only

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

mposting asnother biological transformation processes)which includes gasification and pyrolisis

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nposting asnother biological transformation processes)which includes gasification and pyrolisis

nposting asnother biological transformation processes)which includes gasification and pyrolisis

Comments on liner type

Complaints and Incidents summary template

Lic No: W0211-011 Year 2015

Complaints

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

Table 1 Complaints summary

Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action< 20 words	Resolution status	Resolution date	Further information
22/04/2015	Odour		Odours in locality	Investigate complaint	Complete	May-15	
06/05/2015	Odour		Odours in locality	Investigate complaint	Complete	Jun-15	
10/06/2015	Odour		Odours in locality	Roller doors; waste intake	Complete	Jul-15	
21/08/2015	Odour		Odours in locality	Investigate complaint	Complete	Aug-15	
26/08/2015	Odour		Odours in locality	Odours in locality	Complete	Aug-15	
09/09/2015	Odour		Odours in locality	Roller door left ajar	Complete	Nov-15	
09/09/2015	Odour		Odours in locality	Roller door left ajar	Complete	Nov-15	
14/09/2015	Odour		Odours in locality	waste intake procedure	Complete	Nov-15	
01/10/2015	Odour		Odours in locality	Odourous material remov	Complete	Nov-15	

Total complaints open at start of reporting year	0
Total new complaints received during reporting year	9
Total complaints closed during reporting year	9
Balance of complaints end of reporting year	0

Incidents

		Additional information
Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below	No	

*For information on how to report and what constitutes an incident	What is an incident

Table 2 Incidents summary

Date of occurrence	Incident nature	Location of occurrence	Incident category*please refer to guidance	Receptor	Cause of incident	Other cause(please specify)	Activity in progress at time of incident	Communication	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Likelihood of reoccurence
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT

Total number of incidents current year	
Total number of incidents previous year	
% reduction/ increase	

Guidance to completing the PRTR workbook

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR	2015

1. FACILITY IDENTIFICATION

Parent Company Name	ERAS ECO Limited
Facility Name	ERAS ECO Ltd
PRTR Identification Number	W0211
Licence Number	W0211-01

Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Foxhole
Address 2	Youghal
Address 3	
Address 4	
	Cork
Country	Ireland
Coordinates of Location	-7.85959 51.9705
River Basin District	IESW
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
AER Returns Contact Name	Michael Dee
AER Returns Contact Email Address	mikedee@eras.ie
AER Returns Contact Position	Assistant manager
AER Returns Contact Telephone Number	0834293158
AER Returns Contact Mobile Phone Number	0834293158
AER Returns Contact Fax Number	
Production Volume	0.0
Production Volume Units	
Number of Installations	1
Number of Operating Hours in Year	0
Number of Employees	4
User Feedback/Comments	In the year 2015, a greater volume of sludge was dried than in the preceeding year. The result of this lead to greater volumes of dried sludge and also increased
Web Address	

2. PRTR CLASS ACTIVITIES

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

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

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
06	Ammonia (NH3)	M	EN 13649:2001		0.000004752	0.000004752	0.0	0.0
08	Nitrogen oxides (NOx/NO2)	M	EN 14792:2005		11451.84	11451.84	0.0	0.0
					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 AIR					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
02	Carbon monoxide (CO)	M	EN 15058:2004		248.0	248.0	0.0	0.0
11	**Sulphur oxides (SOx/SO2)**	M	EN 14791:2005		5151.7	5151.7	0.0	0.0

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

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

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

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

Additional Data Requested from Landfill operators

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

Landfill: ERAS ECO Ltd

Please enter summary data on the quantities of methane flared and / or utilised			Method Used			
	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	

4.3 RELEASES TO WASTEWATER OR SEWER

Link to previous years emissions data

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			
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
06	Ammonia (NH3)	M	CRM		0.326	0.326	0.0	0.0
12	Total nitrogen	M	EN 12260:2003		0.237	0.237	0.0	0.0
13	Total phosphorus	M	EN ISO 15681-1 to 2:2004		22.97	22.97	0.0	0.0
82	Cyanides (as total CN)	M	EN ISO 14403:2002		0.92	0.92	0.0	0.0
21	Mercury and compounds (as Hg)	M	EN 1483:1997		0.85	0.85	0.0	0.0
23	Lead and compounds (as Pb)	M	CRM		0.275	0.275	0.0	0.0
24	Zinc and compounds (as Zn)	M	CRM		2.25	2.25	0.0	0.0
20	Copper and compounds (as Cu)	M	CRM		0.441	0.441	0.0	0.0
18	Cadmium and compounds (as Cd)	M	EN ISO 5961:1995		0.441	0.441	0.0	0.0
17	Arsenic and compounds (as As)	M	EN ISO 11969:1996		0.005	0.005	0.0	0.0
19	Chromium and compounds (as Cr)	M	EN ISO 5961:1995		0.092	0.092	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			
			Method Used					
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
240	Suspended Solids	M	CRM		1.56	1.56	0.0	0.0
303	BOD	M	CRM		0.21	0.21	0.0	0.0
306	COD	M	CRM		0.955	0.955	0.0	0.0
340	Semi-volatiles	M	CRM		0.05	0.05	0.0	0.0
237	Volatile organic compounds (as TOC)	M	EN 1484:1997		0.05	0.05	0.0	0.0
343	**Sulphate**	M	CRM		0.67	0.67	0.0	0.0
					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

SECTION A : PRTR POLLUTANTS

RELEASES TO LAND	
POLLUTANT	
No. Annex II	Name

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

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

RELEASES TO LAND	
POLLUTANT	
Pollutant No.	Name

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

			Please enter all quantities
METHOD			
	Method Used		
M/C/E	Method Code	Designation or Description	Emission Point 1
			0.0

) then click the delete button

			Please enter all quantities
METHOD			
	Method Used		
M/C/E	Method Code	Designation or Description	Emission Point 1
			0.0

) then click the delete button

in this section in KGs	
QUANTITY	
T (Total) KG/Year	A (Accidental) KG/Year
0.0	0.0

in this section in KGs	
QUANTITY	
T (Total) KG/Year	A (Accidental) KG/Year
0.0	0.0

Please enter all quantities on this sheet in Tonnes

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	10 01 01	No	61.88	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)	D1	M	Weighed	Offsite in Ireland	O' Briens Skip Hire,WFP-CK-11-0094-03	Midleton,.,Co. Cork,N/A,Ireland		
Within the Country	15 01 01	No	0.0	paper and cardboard packaging	R3	M	Weighed	Offsite in Ireland	Cork Recycling Co,.	Cork,.,.,.,Ireland		
Within the Country	15 01 01	No	0.0	paper and cardboard packaging	R3	M	Weighed	Offsite in Ireland	Waste Recovery Services,.	Fermoy,Cork,.,.,.,Ireland		
Within the Country	15 01 02	No	0.0	plastic packaging	R3	M	Weighed	Offsite in Ireland	Cork Recycling Co,.	Cork,.,.,.,Ireland		
Within the Country	15 01 02	No	0.0	plastic packaging	R3	M	Weighed	Offsite in Ireland	Cork Recycling Co,.	Cork,.,.,.,Ireland		
Within the Country	15 01 02	No	0.0	plastic packaging	R3	M	Weighed	Offsite in Ireland	Waste Recovery Services,.	Fermoy,Cork,.,.,.,Ireland		
Within the Country	16 01 03	No	0.0	end-of-life tyres	R13	M	Weighed	Offsite in Ireland	Crossmore Transport,.	.,.,.,.,Ireland		
Within the Country	19 08 05	No	4345.0	sludges from treatment of urban waste water	R10	M	Weighed	Offsite in Ireland	NMP Approved Landbanks,Approved Landbanks	.,.,.,.,Ireland		
To Other Countries	19 08 12	No	527.42	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11	R1	M	Weighed	Abroad	Remondis,21/Fo/Tho-G61/93	Luenen ,.,.,.,.,Germany		
Within the Country	20 01 08	No	0.0	biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Clonmel Waste,.	Clonmel,Co. Tipperary,.,.,.,Ireland		
Within the Country	20 01 40	No	0.0	metals	R4	M	Weighed	Offsite in Ireland	Cork Metal,WFP-CK-10-0067-01-A1	Dublin Hill,.,Cork,.,Ireland		
Within the Country	20 01 40	No	0.0	metals	R4	M	Weighed	Offsite in Ireland	Hannond Lane Metal,WP-173-2008	Athlone ,.,Co. Westmeath,.,Ireland		
Within the Country	20 01 40	No	0.0	metals	R4	M	Weighed	Offsite in Ireland	O' Briens Skip Hire,WFP-CK-11-0094-03	Midleton,.,Co. Cork,N/A,Ireland		
Within the Country	20 01 40	No	0.0	metals	R4	M	Weighed	Offsite in Ireland	Pouladuff Car Dismantlers,WCP-CK-08-0584-01	Pouladuff,.,Co. Cork,.,Ireland		
Within the Country	20 02 01	No	0.0	biodegradable waste	R3	M	Weighed	Offsite in Ireland	Cremins Compost,WFP/LK/2012/23A/R2	Coolaleen,.,Co. Limerick,.,Ireland		
Within the Country	20 03 01	No	0.0	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Carlow Co. Co,.	.,.,.,.,Ireland		
Within the Country	20 03 01	No	0.0	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Clonmel Waste,.	Clonmel,Co. Tipperary,.,.,.,Ireland		
Within the Country	20 03 01	No	87.6	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Greenstar Fassaroe,W0053-03	Bray,.,Co. Wicklow,.,Ireland		
Within the Country	20 03 01	No	0.0	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Greenstar Waterford,W0116-02	Six Cross Roads ,.,Co. Waterford,.,Ireland		
Within the Country	20 03 01	No	0.0	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Limerick Co. Co,.	.,.,.,Co. Limerick,Ireland		
Within the Country	20 03 01	No	0.0	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Scarriff,.	.,.,.,.,Ireland		
Within the Country	20 03 01	No	0.0	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Thorntons Waste,W0044-02 / WP 291 -2007	.,.,Dublin,.,Ireland		
Within the Country	20 03 07	No	0.0	bulky waste	R13	M	Weighed	Offsite in Ireland	Carlow Co. Co,.	.,.,.,.,Ireland		
Within the Country	20 03 07	No	0.0	bulky waste	R13	M	Weighed	Offsite in Ireland	Gannon Eco,.	Cork,.,.,.,.,Ireland		
Within the Country	20 03 07	No	0.0	bulky waste	R13	M	Weighed	Offsite in Ireland	Limerick Co. Co,.	.,.,.,Co. Limerick,Ireland		
Within the Country	20 03 07	No	0.0	bulky waste	R13	M	Weighed	Offsite in Ireland	Munster Waste mgt,.	.,.,.,.,Ireland		
Within the Country	**20 03 07**	**No**	256.78	bulky waste	R13	M	Weighed	Offsite in Ireland	Thorntons Waste,W0044-02 / WP 291 -2007	.,.,Dublin,.,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

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NACE_Description
Manufacture of tobacco products
Water collection, treatment and supply
Sewerage
Remediation activities and other waste management services
Veterinary activities
Gambling and betting activities
Activities of households as employers of domestic personnel
Activities of extraterritorial organisations and bodies
Silviculture and other forestry activities
Mining of hard coal
Extraction of crude petroleum
Mining of iron ores
Support activities for petroleum and natural gas extraction
Preparation and spinning of textile fibres
Sawmilling and planing of wood
Manufacture of coke oven products
Manufacture of basic pharmaceutical products
Manufacture of basic iron and steel and of ferro-alloys
Manufacture of motor vehicles
Development of building projects
Passenger rail transport, interurban
Sea and coastal passenger water transport
Passenger air transport
Warehousing and storage
Postal activities under universal service obligation
Hotels and similar accommodation
Restaurants and mobile food service activities
Radio broadcasting
Wired telecommunications activities
Buying and selling of own real estate
Legal activities
Activities of head offices
Specialised design activities
Activities of employment placement agencies
Private security activities
Combined facilities support activities
Pre-primary education
Hospital activities
Residential nursing care activities
Social work activities without accommodation for the elderly and disabled
Undifferentiated goods-producing activities of private households for own use
Logging
Mining of lignite
Extraction of natural gas
Processing and preserving of fish, crustaceans and molluscs
Weaving of textiles
Manufacture of articles of fur
Manufacture of footwear
Reproduction of recorded media
Manufacture of refined petroleum products
Manufacture of pesticides and other agrochemical products
Manufacture of pharmaceutical preparations
Manufacture of refractory products
Manufacture of tubes, pipes, hollow profiles and related fittings, of steel
Manufacture of computers and peripheral equipment

Manufacture of batteries and accumulators
Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
Manufacture of railway locomotives and rolling stock
Manufacture of musical instruments
Installation of industrial machinery and equipment
Construction of residential and non-residential buildings
Maintenance and repair of motor vehicles
Freight rail transport
Sea and coastal freight water transport
Other postal and courier activities
Holiday and other short-stay accommodation
Sound recording and music publishing activities
Television programming and broadcasting activities
Wireless telecommunications activities
Activities of holding companies
Reinsurance
Renting and operating of own or leased real estate
Accounting, bookkeeping and auditing activities; tax consultancy
Technical testing and analysis
Research and experimental development on social sciences and humanities
Market research and public opinion polling
Photographic activities
Temporary employment agency activities
Security systems service activities
Activities of call centres
Primary education
Residential care activities for mental retardation, mental health and substance abuse
Activities of trade unions
Undifferentiated service-producing activities of private households for own use
Plant propagation
Gathering of wild growing non-wood products
Finishing of textiles
Manufacture of paints, varnishes and similar coatings, printing ink and mastics
Manufacture of steam generators, except central heating hot water boilers
Manufacture of communication equipment
Manufacture of agricultural and forestry machinery
Manufacture of air and spacecraft and related machinery
Manufacture of sports goods
Steam and air conditioning supply
Retail sale of automotive fuel in specialised stores
Inland passenger water transport
Camping grounds, recreational vehicle parks and trailer parks
Beverage serving activities
Satellite telecommunications activities
Trusts, funds and similar financial entities
Pension funding
Fund management activities
Translation and interpretation activities
Other human resources provision
Investigation activities
Landscape service activities
Organisation of conventions and trade shows
Compulsory social security activities
Residential care activities for the elderly and disabled
Support services to forestry
Manufacture of weapons and ammunition

Manufacture of consumer electronics
Manufacture of electric lighting equipment
Manufacture of military fighting vehicles
Manufacture of games and toys
Sale, maintenance and repair of motorcycles and related parts and accessories
Inland freight water transport
Leasing of intellectual property and similar products, except copyrighted works
Mixed farming
Forging, pressing, stamping and roll-forming of metal; powder metallurgy
Manufacture of medical and dental instruments and supplies
Transport via pipeline
Manufacture of man-made fibres
Manufacture of irradiation, electromedical and electrotherapeutic equipment
Educational support activities
Hunting, trapping and related service activities
Cutting, shaping and finishing of stone
Manufacture of optical instruments and photographic equipment
Manufacture of magnetic and optical media
Support activities for other mining and quarrying
Manufacture of other electrical equipment
Non-specialised wholesale trade
Other accommodation
Other telecommunications activities
Other professional, scientific and technical activities n.e.c.
Other reservation service and related activities
Other human health activities
Other residential care activities
Distilling, rectifying and blending of spirits
Manufacture of office and shop furniture
Computer programming activities
Performing arts
Library and archives activities
Washing and (dry-)cleaning of textile and fur products
Growing of cereals (except rice), leguminous crops and oil seeds
Marine fishing
Quarrying of ornamental and building stone, limestone, gypsum, chalk and slate
Processing and preserving of meat
Manufacture of leather clothes
Tanning and dressing of leather; dressing and dyeing of fur
Manufacture of pulp
Printing of newspapers
Manufacture of industrial gases
Manufacture of rubber tyres and tubes; retreading and rebuilding of rubber tyres
Manufacture of flat glass
Manufacture of metal structures and parts of structures
Manufacture of electronic components
Manufacture of electric motors, generators and transformers
Manufacture of engines and turbines, except aircraft, vehicle and cycle engines
Building of ships and floating structures
Striking of coins
Repair of fabricated metal products
Production of electricity
Collection of non-hazardous waste
Construction of roads and motorways
Demolition
Sale of cars and light motor vehicles

Agents involved in the sale of agricultural raw materials, live animals, textile raw materials and semi-fi
Retail sale in non-specialised stores with food, beverages or tobacco predominating
Book publishing
Motion picture, video and television programme production activities
Data processing, hosting and related activities
Central banking
Life insurance
Administration of financial markets
Architectural activities
Research and experimental development on biotechnology
Advertising agencies
Renting and leasing of cars and light motor vehicles
Travel agency activities
Combined office administrative service activities
General public administration activities
Operation of sports facilities
Activities of business and employers membership organisations
Repair of computers and peripheral equipment
Growing of grapes
Marine aquaculture
Mining of uranium and thorium ores
Manufacture of veneer sheets and wood-based panels
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
Manufacture of plastic plates, sheets, tubes and profiles
Manufacture of central heating radiators and boilers
Manufacture of ovens, furnaces and furnace burners
Manufacture of gas
Treatment and disposal of non-hazardous waste
Construction of utility projects for fluids
Electrical installation
Wholesale of grain, unmanufactured tobacco, seeds and animal feeds
Retail sale of fruit and vegetables in specialised stores
Freight air transport
Service activities incidental to land transportation
Event catering activities
Publishing of computer games
Risk and damage evaluation
Public relations and communication activities
Renting and leasing of recreational and sports goods
General cleaning of buildings
Foreign affairs
General medical practice activities
Activities of amusement parks and theme parks
Repair of consumer electronics
Processing and preserving of potatoes
Manufacture of knitted and crocheted hosiery
Manufacture of ceramic tiles and flags
Cold drawing of bars
Manufacture of fibre optic cables
Manufacture of electrical and electronic equipment for motor vehicles
Dismantling of wrecks
Plastering
Wholesale trade of motor vehicle parts and accessories
Wholesale of fruit and vegetables
Urban and suburban passenger land transport
Real estate agencies

Renting and leasing of agricultural machinery and equipment
General secondary education
Raising of dairy cattle
Manufacture of oils and fats
Manufacture of soap and detergents, cleaning and polishing preparations
Manufacture of ceramic household and ornamental articles
Precious metals production
Manufacture of metal forming machinery
Wholesale of textiles
Retail sale of computers, peripheral units and software in specialised stores
Freight transport by road
Post-secondary non-tertiary education
Operation of dairies and cheese making
Manufacture of explosives
Manufacture of cement
Casting of iron
Manufacture of instruments and appliances for measuring, testing and navigation
Manufacture of electric domestic appliances
Wholesale of computers, computer peripheral equipment and software
Retail sale of textiles in specialised stores
Sports and recreation education
Support activities for crop production
Manufacture of grain mill products
Manufacture of concrete products for construction purposes
Treatment and coating of metals
Wholesale of agricultural machinery, equipment and supplies
Retail sale of books in specialised stores
Manufacture of bread; manufacture of fresh pastry goods and cakes
Manufacture of cutlery
Wholesale of solid, liquid and gaseous fuels and related products
Retail sale of clothing in specialised stores
Manufacture of sugar
Retail sale via stalls and markets of food, beverages and tobacco products
Mining of chemical and fertiliser minerals
Manufacture of prepared feeds for farm animals
Manufacture of knitted and crocheted fabrics
Production of abrasive products
Manufacture of steel drums and similar containers
Manufacture of machinery for metallurgy
Manufacture of motorcycles
Manufacture of brooms and brushes
Construction of water projects
Roofing activities
Retail sale via mail order houses or via Internet
News agency activities
Financial leasing
Activities of collection agencies and credit bureaus
Child day-care activities
Activities of religious organisations
Manufacture of wine from grape
Manufacture of kitchen furniture
Computer consultancy activities
Support activities to performing arts
Museums activities
Hairdressing and other beauty treatment
Growing of rice

Freshwater fishing
Operation of gravel and sand pits; mining of clays and kaolin
Processing and preserving of poultry meat
Manufacture of workwear
Manufacture of luggage, handbags and the like, saddlery and harness
Manufacture of paper and paperboard
Other printing
Manufacture of dyes and pigments
Shaping and processing of flat glass
Manufacture of doors and windows of metal
Manufacture of loaded electronic boards
Manufacture of electricity distribution and control apparatus
Manufacture of fluid power equipment
Building of pleasure and sporting boats
Manufacture of jewellery and related articles
Repair of machinery
Transmission of electricity
Collection of hazardous waste
Construction of railways and underground railways
Site preparation
Agents involved in the sale of fuels, ores, metals and industrial chemicals
Publishing of directories and mailing lists
Motion picture, video and television programme post-production activities
Web portals
Non-life insurance
Security and commodity contracts brokerage
Engineering activities and related technical consultancy
Media representation
Renting and leasing of trucks
Tour operator activities
Regulation of the activities of providing health care, education, cultural services and other social servi
Activities of sport clubs
Activities of professional membership organisations
Repair of communication equipment
Growing of tropical and subtropical fruits
Freshwater aquaculture
Manufacture of assembled parquet floors
Manufacture of household and sanitary goods and of toilet requisites
Manufacture of plastic packing goods
Manufacture of lifting and handling equipment
Distribution of gaseous fuels through mains
Treatment and disposal of hazardous waste
Construction of utility projects for electricity and telecommunications
Plumbing, heat and air conditioning installation
Wholesale of flowers and plants
Retail sale of meat and meat products in specialised stores
Space transport
Service activities incidental to water transportation
Activities of insurance agents and brokers
Business and other management consultancy activities
Renting of video tapes and disks
Other building and industrial cleaning activities
Defence activities
Specialist medical practice activities
Repair of household appliances and home and garden equipment
Manufacture of fruit and vegetable juice

Manufacture of bricks, tiles and construction products, in baked clay
Cold rolling of narrow strip
Manufacture of other electronic and electric wires and cables
Manufacture of other parts and accessories for motor vehicles
Recovery of sorted materials
Joinery installation
Retail trade of motor vehicle parts and accessories
Wholesale of meat and meat products
Taxi operation
Management of real estate on a fee or contract basis
Renting and leasing of construction and civil engineering machinery and equipment
Technical and vocational secondary education
Raising of other cattle and buffaloes
Manufacture of margarine and similar edible fats
Manufacture of perfumes and toilet preparations
Manufacture of ceramic sanitary fixtures
Aluminium production
Wholesale of clothing and footwear
Retail sale of telecommunications equipment in specialised stores
Removal services
Tertiary education
Manufacture of ice cream
Manufacture of glues
Manufacture of lime and plaster
Casting of steel
Manufacture of watches and clocks
Manufacture of non-electric domestic appliances
Wholesale of electronic and telecommunications equipment and parts
Retail sale of hardware, paints and glass in specialised stores
Cultural education
Support activities for animal production
Manufacture of starches and starch products
Manufacture of plaster products for construction purposes
Machining
Wholesale of machine tools
Retail sale of newspapers and stationery in specialised stores
Manufacture of rusks and biscuits; manufacture of preserved pastry goods and cakes
Manufacture of locks and hinges
Wholesale of metals and metal ores
Retail sale of footwear and leather goods in specialised stores
Manufacture of cocoa, chocolate and sugar confectionery
Retail sale via stalls and markets of textiles, clothing and footwear
Extraction of peat
Manufacture of prepared pet foods
Manufacture of made-up textile articles, except apparel
Manufacture of light metal packaging
Manufacture of machinery for mining, quarrying and construction
Manufacture of bicycles and invalid carriages
Other credit granting
Packaging activities
Activities of political organisations
Manufacture of cider and other fruit wines
Manufacture of mattresses
Computer facilities management activities
Artistic creation
Operation of historical sites and buildings and similar visitor attractions

Funeral and related activities
Growing of vegetables and melons, roots and tubers
Production of meat and poultry meat products
Manufacture of other outerwear
Pre-press and pre-media services
Manufacture of other inorganic basic chemicals
Manufacture of hollow glass
Manufacture of other pumps and compressors
Manufacture of imitation jewellery and related articles
Repair of electronic and optical equipment
Distribution of electricity
Construction of bridges and tunnels
Test drilling and boring
Agents involved in the sale of timber and building materials
Publishing of newspapers
Motion picture, video and television programme distribution activities
Regulation of and contribution to more efficient operation of businesses
Fitness facilities
Growing of citrus fruits
Manufacture of other builders' carpentry and joinery
Manufacture of paper stationery
Manufacture of builders' ware of plastic
Manufacture of office machinery and equipment (except computers and peripheral equipment)
Trade of gas through mains
Wholesale of live animals
Retail sale of fish, crustaceans and molluscs in specialised stores
Service activities incidental to air transportation
Justice and judicial activities
Dental practice activities
Repair of footwear and leather goods
Cold forming or folding
Manufacture of wiring devices
Floor and wall covering
Wholesale of dairy products, eggs and edible oils and fats
Renting and leasing of office machinery and equipment (including computers)
Raising of horses and other equines
Manufacture of ceramic insulators and insulating fittings
Lead, zinc and tin production
Wholesale of electrical household appliances
Retail sale of audio and video equipment in specialised stores
Manufacture of essential oils
Casting of light metals
Retail sale of carpets, rugs, wall and floor coverings in specialised stores
Driving school activities
Post-harvest crop activities
Manufacture of ready-mixed concrete
Wholesale of mining, construction and civil engineering machinery
Retail sale of music and video recordings in specialised stores
Manufacture of macaroni, noodles, couscous and similar farinaceous products
Manufacture of tools
Wholesale of wood, construction materials and sanitary equipment
Dispensing chemist in specialised stores
Processing of tea and coffee
Extraction of salt
Manufacture of carpets and rugs
Manufacture of wire products, chain and springs

Manufacture of machinery for food, beverage and tobacco processing
Manufacture of other non-distilled fermented beverages
Operation of arts facilities
Botanical and zoological gardens and nature reserves activities
Physical well-being activities
Growing of sugar cane
Manufacture of underwear
Binding and related services
Manufacture of other organic basic chemicals
Manufacture of glass fibres
Manufacture of other taps and valves
Repair of electrical equipment
Trade of electricity
Agents involved in the sale of machinery, industrial equipment, ships and aircraft
Publishing of journals and periodicals
Motion picture projection activities
Growing of pome fruits and stone fruits
Manufacture of wooden containers
Manufacture of wallpaper
Manufacture of power-driven hand tools
Wholesale of hides, skins and leather
Retail sale of bread, cakes, flour confectionery and sugar confectionery in specialised stores
Cargo handling
Public order and safety activities
Repair of furniture and home furnishings
Cold drawing of wire
Painting and glazing
Wholesale of beverages
Renting and leasing of water transport equipment
Raising of camels and camelids
Manufacture of other technical ceramic products
Copper production
Wholesale of china and glassware and cleaning materials
Casting of other non-ferrous metals
Retail sale of electrical household appliances in specialised stores
Seed processing for propagation
Manufacture of mortars
Wholesale of machinery for the textile industry and of sewing and knitting machines
Retail sale of sporting equipment in specialised stores
Wholesale of hardware, plumbing and heating equipment and supplies
Retail sale of medical and orthopaedic goods in specialised stores
Manufacture of condiments and seasonings
Manufacture of cordage, rope, twine and netting
Manufacture of fasteners and screw machine products
Manufacture of machinery for textile, apparel and leather production
Manufacture of beer
Growing of tobacco
Manufacture of fertilisers and nitrogen compounds
Manufacture of bearings, gears, gearing and driving elements
Repair and maintenance of ships and boats
Agents involved in the sale of furniture, household goods, hardware and ironmongery
Growing of other tree and bush fruits and nuts
Manufacture of non-domestic cooling and ventilation equipment
Retail sale of beverages in specialised stores
Fire service activities
Repair of watches, clocks and jewellery

Wholesale of tobacco products
Renting and leasing of air transport equipment
Raising of sheep and goats
Other non-ferrous metal production
Wholesale of perfume and cosmetics
Manufacture of fibre cement
Wholesale of office furniture
Retail sale of games and toys in specialised stores
Wholesale of chemical products
Retail sale of cosmetic and toilet articles in specialised stores
Manufacture of prepared meals and dishes
Manufacture of non-wovens and articles made from non-wovens, except apparel
Manufacture of machinery for paper and paperboard production
Manufacture of malt
Growing of fibre crops
Manufacture of plastics in primary forms
Repair and maintenance of aircraft and spacecraft
Agents involved in the sale of textiles, clothing, fur, footwear and leather goods
Growing of oleaginous fruits
Retail sale of tobacco products in specialised stores
Wholesale of sugar and chocolate and sugar confectionery
Raising of swine/pigs
Processing of nuclear fuel
Wholesale of pharmaceutical goods
Wholesale of other office machinery and equipment
Wholesale of other intermediate products
Retail sale of flowers, plants, seeds, fertilisers, pet animals and pet food in specialised stores
Manufacture of homogenised food preparations and dietetic food
Manufacture of other technical and industrial textiles
Manufacture of plastic and rubber machinery
Manufacture of soft drinks; production of mineral waters and other bottled waters
Manufacture of synthetic rubber in primary forms
Repair and maintenance of other transport equipment
Agents involved in the sale of food, beverages and tobacco
Growing of beverage crops
Wholesale of coffee, tea, cocoa and spices
Raising of poultry
Wholesale of furniture, carpets and lighting equipment
Wholesale of waste and scrap
Retail sale of watches and jewellery in specialised stores
Agents specialised in the sale of other particular products
Growing of spices, aromatic, drug and pharmaceutical crops
Wholesale of other food, including fish, crustaceans and molluscs
Wholesale of watches and jewellery
Other retail sale of new goods in specialised stores
Manufacture of other furniture
Other information technology and computer service activities
Other personal service activities n.e.c.
Growing of other non-perennial crops
Manufacture of other wearing apparel and accessories
Manufacture of other rubber products
Manufacture and processing of other glass, including technical glassware
Repair of other equipment
Sale of other motor vehicles
Agents involved in the sale of a variety of goods
Other retail sale in non-specialised stores

Other publishing activities
Other monetary intermediation
Other activities auxiliary to financial services, except insurance and pension funding
Other research and experimental development on natural sciences and engineering
Photocopying, document preparation and other specialised office support activities
Other sports activities
Growing of other perennial crops
Mining of other non-ferrous metal ores
Manufacture of other products of wood; manufacture of articles of cork, straw and plaiting materials
Manufacture of other articles of paper and paperboard
Manufacture of other plastic products
Manufacture of other tanks, reservoirs and containers of metal
Manufacture of other general-purpose machinery n.e.c.
Other construction installation
Other retail sale of food in specialised stores
Other transportation support activities
Other food service activities
Other software publishing
Other activities auxiliary to insurance and pension funding
Renting and leasing of other personal and household goods
Other cleaning activities
Other amusement and recreation activities
Repair of other personal and household goods
Other processing and preserving of fruit and vegetables
Manufacture of other knitted and crocheted apparel
Other building completion and finishing
Non-specialised wholesale of food, beverages and tobacco
Other passenger land transport n.e.c.
Renting and leasing of other machinery, equipment and tangible goods n.e.c.
Raising of other animals
Manufacture of other ceramic products
Manufacture of other machine tools
Wholesale of other household goods
Manufacture of other chemical products n.e.c.
Retail sale of furniture, lighting equipment and other household articles in specialised stores
Other education n.e.c.
Manufacture of other articles of concrete, plaster and cement
Wholesale of other machinery and equipment
Retail sale of second-hand goods in stores
Manufacture of other food products n.e.c.
Retail sale via stalls and markets of other goods
Other mining and quarrying n.e.c.
Manufacture of other textiles n.e.c.
Manufacture of other non-metallic mineral products n.e.c.
Manufacture of other fabricated metal products n.e.c.
Manufacture of other special-purpose machinery n.e.c.
Manufacture of other transport equipment n.e.c.
Other manufacturing n.e.c.
Construction of other civil engineering projects n.e.c.
Other specialised construction activities n.e.c.
Other retail sale not in stores, stalls or markets
Other information service activities n.e.c.
Other financial service activities, except insurance and pension funding n.e.c.
Other business support service activities n.e.c.
Other social work activities without accommodation n.e.c.
Activities of other membership organisations n.e.c.

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Activity_Group	Activity_SubGroup	Activity_Code
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2	c	i
2	c	ii
2	c	iii
2	e	i
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2	NA	a
2	NA	b
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8	b	i
8	b	ii
8	NA	a
8	NA	c
9	NA	a
9	NA	b
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Activity_Name
Mineral oil and gas refineries
Installations for gasification and liquefaction
Thermal power stations and other combustion installations
Coke ovens
Coal rolling mills
Installations for the manufacture of coal products and solid smokeless fuel
Hot-rolling mills
Smitheries with hammers
Application of protective fused metal coats
For the production of non-ferrous crude metals from ore,concentrates or secondary raw materials by r
For the smelting, including the alloying, of non-ferrous metals, including recovered products (refining,
Metal ore (including sulphide ore) roasting or sintering installations
Installations for the production of pig iron or steel (primary or secondary melting) including continuous
Hot-rolling mills
Smitheries with hammers
Application of protective fused metal coats
Ferrous metal foundries
Installations for surface treatment of metals and plastic materials using an electrolytic or chemical pro
Cement clinker in rotary kilns
Lime in rotary kilns
Mineral Industry Cement clinker or lime in other furnaces
Underground mining and related operations
Opencast mining and quarrying
Installations for the production of asbestos and the manufacture of asbestos-based products
Installations for the manufacture of glass, including glass fibre
Installations for melting mineral substances, including the production of mineral fibres
Installations for the manufacture of ceramic products by firing, in particular roofing tiles, bricks, refract
Simple hydrocarbons (linear or cyclic, saturated or unsaturated, aliphatic or aromatic)
Oxygen-containing hydrocarbons such as alcohols, aldehydes, ketones, carboxylic acids, esters, aceta
Sulphurous hydrocarbons
Nitrogenous hydrocarbons such as amines, amides, nitrous compounds, nitro compounds or nitrate co
Synthetic rubbers
Phosphorus-containing hydrocarbons
Halogenic hydrocarbons
Organometallic compounds
Basic plastic materials (polymers, synthetic fibres and cellulose-based fibres)
Dyes and pigments
Surface-active agents and surfactants
Gases, such as ammonia, chlorine or hydrogen chloride,fluorine or hydrogen fluoride, carbon oxides, s
Acids, such as chromic acid, hydrofluoric acid, phosphoric acid, nitric acid, hydrochloric acid, sulphuric
Bases, such as ammonium hydroxide, potassium hydroxide, sodium hydroxide
Salts, such as ammonium chloride, potassium chlorate, potassium carbonate, sodium carbonate, perb
Non-metals, metal oxides or other inorganic compounds such as calcium carbide, silicon, silicon carbi
Simple hydrocarbons (linear or cyclic, saturated or unsaturated, aliphatic or aromatic),Oxygen-contain
Gases, such as ammonia, chlorine or hydrogen chloride,fluorine or hydrogen fluoride, carbon oxides, s
Chemical installations for the production on an industrial scale of phosphorous-, nitrogen- or potassiur
Chemical installations for the production on an industrial scale of basic plant health products and of bi
Installations using a chemical or biological process for the production on an industrial scale of basic ph
Installations for the production on an industrial scale of explosives and pyrotechnic products
Installations for the recovery or disposal of hazardous waste
Installations for the incineration of non-hazardous waste in the scope of Directive 2000/76/EC of the E
Installations for the disposal of non-hazardous waste
Landfills
Installations for the disposal or recycling of animal carcasses and animal waste
Urban waste-water treatment plants

Independently operated industrial waste-water treatment plants which serve one or more activities of t
General
Industrial plants for the production of pulp from timber or similar fibrous materials
Industrial plants for the production of paper and board and other primary wood products (such as chip
Industrial plants for the preservation of wood and wood products with chemicals
Installations for the intensive rearing of poultry or pigs (i)
Installations for the intensive rearing of poultry or pigs (ii)
Installations for the intensive rearing of poultry or pigs (iii)
Intensive aquaculture
Animal raw materials (other than milk)
Vegetable raw materials
Slaughterhouses
Treatment and processing of milk
Plants for the pre-treatment (operations such as washing, bleaching, mercerisation) or dyeing of fibres
Plants for the tanning of hides and skins
Installations for surface treatment of substances,objects or products using organic solvents,in particul
Installations for the production of carbon (hard-burnt coal) or electro-graphite by means of incineration
Installations for the building of, and painting or removal of paint from ships

Capacity_Threshold

With a heat input of 50 megawatts (MW)

With a capacity of 1 tonne per hour

With a capacity of 20 tonnes of crude steel per hour per hour
With an energy of 50 kilojoules per hammer, where the calorific power used exceeds 20 MW
With an input of 2 tonnes of crude steel per hour
metallurgical,chemical or electrolytic processes
With a melting capacity of 4 tonnes per day for lead and cadmium or 20 tonnes per day for all other m

With a capacity of 2,5 tonnes per hour

With a production capacity of 20 tonnes per day
Where the volume of the treatment vats equals 30 m3
With a production capacity of 500 tonnes per day
With a production capacity of 50 tonnes per day
With a production capacity of 50 tonnes per day

Where the surface of the area effectively under extractive operation equals 25 hectares

With a melting capacity of 20 tonnes per day
With a melting capacity of 20 tonnes per day
With a production capacity of 75 tonnes per day, or with a kiln capacity of 4 m3 and with a setting den

ates, ethers, peroxides, epoxy resins

ompounds, nitriles, cyanates, isocyanates

sulphur compounds,nitrogen oxides, hydrogen, sulphur dioxide, carbonyl chloride
c acid, oleum, sulphurous acids

borate, silver nitrate
ide
ing hydrocarbons such as alcohols, aldehydes, ketones, carboxylic acids, esters, acetates, ethers, per
sulphur compounds,nitrogen oxides, hydrogen, sulphur dioxide, carbonyl chloride,Acids, such as chror
m-based fertilisers (simple or compound fertilisers)
ocides
harmaceutical products

Receiving 10 tonnes per day
With a capacity of 3 tonnes per hour
With a capacity of 50 tonnes per day
Receiving 10 tonnes per day or with a total capacity of 25 000 tonnes
With a treatment capacity of 10 tonnes per day
With a capacity of 100 000 population equivalents

With a capacity of 10 000 m3 per day

With a production capacity of 20 tonnes per day
With a production capacity of 50 m3 per day
With 40 000 places for poultry
With 2 000 places for production pigs (over 30 kg)
With 750 places for sows
With a production capacity of 1 000 tonnes of fish or shellfish per year
With a finished product production capacity of 75 tonnes per day
With a finished product production capacity of 300 tonnes per day (average value on a quarterly basis)
With a carcass production capacity of 50 tonnes per day
With a capacity to receive 200 tonnes of milk per day (average value on an annual basis)
With a treatment capacity of 10 tonnes per day
With a treatment capacity of 12 tonnes of finished product per day
With a consumption capacity of 150 kg per hour or 200 tonnes per year
or graphitisation
With a capacity for ships 100 m long

etals

sity per kiln of 300 kg/m3

oxides, epoxy resins,Nitrogenous hydrocarbons such as amines, amides, nitrous compounds, nitro c
nic acid, hydrofluoric acid, phosphoric acid, nitric acid, hydrochloric acid, sulphuric acid, oleum, sulph

)

ompounds or nitrate compounds, nitriles, cyanates, isocyanates,Synthetic rubbers,Phosphorus-conta
urous acids,Bases, such as ammonium hydroxide, potassium hydroxide, sodium hydroxide,Salts, su

ıining hydrocarbons,Halogenic hydrocarbons,Organometallic compounds,Basic plastic materials (poly
ch as ammonium chloride, potassium chlorate, potassium carbonate, sodium carbonate, perborate...

ymers, s

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 A	17 - Arsenic and compounds (as
18	Cadmium and compounds (as	18 - Cadmium and compounds (a
03	Carbon dioxide (CO2)	03 - Carbon dioxide (CO2)
19	Chromium and compounds (a	19 - Chromium and compounds (a
20	Copper and compounds (as C	20 - Copper and compounds (as
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 H	21 - Mercury and compounds (as
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 + fura	47 - PCDD + PCDF (dioxins + fura
48	Pentachlorobenzene	48 - Pentachlorobenzene
10	Sulphur hexafluoride (SF6)	10 - Sulphur hexafluoride (SF6)
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-hexachlorocyclohe	44 - 1,2,3,4,5,6-hexachlorocyclohe
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
02	Carbon monoxide (CO)	02 - Carbon monoxide (CO)
28	Chlordane	28 - Chlordane
29	Chlordecone	29 - Chlordecone
79	Chlorides (as Cl)	79 - Chlorides (as Cl)
80	Chlorine and inorganic compo	80 - Chlorine and inorganic compo
15	Chlorofluorocarbons (CFCs)	15 - Chlorofluorocarbons (CFCs)
33	DDT	33 - DDT
70	Di-(2-ethyl hexyl) phthalate (D	70 - Di-(2-ethyl hexyl) phthalate (D
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 compo	84 - Fluorine and inorganic compo
40	Halogenated organic compour	40 - Halogenated organic compou
16	Halons	16 - Halons
41	Heptachlor	41 - Heptachlor
90	Hexabromobiphenyl	90 - Hexabromobiphenyl
14	Hydrochlorofluorocarbons (HC	14 - Hydrochlorofluorocarbons (H
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)
50	Polychlorinated biphenyls (PC	50 - Polychlorinated biphenyls (PC
72	Polycyclic aromatic hydrocarb	72 - Polycyclic aromatic hydrocarb
11	Sulphur oxides (SOx/SO2)	11 - Sulphur oxides (SOx/SO2)
52	Tetrachloroethylene (PER)	52 - Tetrachloroethylene (PER)
73	Toluene	73 - Toluene
59	Toxaphene	59 - Toxaphene
54	Trichlorobenzenes (TCBs)(all	54 - Trichlorobenzenes (TCBs)(all
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
17	Arsenic and compounds (as A	17 - Arsenic and compounds (as A
18	Cadmium and compounds (as	18 - Cadmium and compounds (a
79	Chlorides (as Cl)	79 - Chlorides (as Cl)
19	Chromium and compounds (a	19 - Chromium and compounds (a
20	Copper and compounds (as C	20 - Copper and compounds (as C
82	Cyanides (as total CN)	82 - Cyanides (as total CN)
35	Dichloromethane (DCM)	35 - Dichloromethane (DCM)
83	Fluorides (as total F)	83 - Fluorides (as total F)
40	Halogenated organic compour	40 - Halogenated organic compou
23	Lead and compounds (as Pb)	23 - Lead and compounds (as Pb)
21	Mercury and compounds (as H	21 - Mercury and compounds (as
22	Nickel and compounds (as Ni)	22 - Nickel and compounds (as Ni
87	Octylphenols and Octylphenol	87 - Octylphenols and Octylpheno
69	Organotin compounds (as tota	69 - Organotin compounds (as tot
47	PCDD + PCDF (dioxins + fura	47 - PCDD + PCDF (dioxins + fura
48	Pentachlorobenzene	48 - Pentachlorobenzene
71	Phenols (as total C)	71 - Phenols (as total C)
53	Tetrachloromethane (TCM)	53 - Tetrachloromethane (TCM)
12	Total nitrogen	12 - Total nitrogen
76	Total organic carbon (TOC) (a	76 - Total organic carbon (TOC) (a
13	Total phosphorus	13 - Total phosphorus
54	Trichlorobenzenes (TCBs)(all	54 - Trichlorobenzenes (TCBs)(all
57	Trichloroethylene	57 - Trichloroethylene
24	Zinc and compounds (as Zn)	24 - Zinc and compounds (as Zn)

Remaining PRTR Pollutants

Pollutant_Number	Pollutant_Name	Pollutant_Lookup
44	1,2,3,4,5,6-hexachlorocyclohe	44 - 1,2,3,4,5,6-hexachlorocyclohe
34	1,2-dichloroethane (EDC)	34 - 1,2-dichloroethane (EDC)
25	Alachlor	25 - Alachlor
26	Aldrin	26 - Aldrin
61	Anthracene	61 - Anthracene
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 (PI	63 - Brominated diphenylethers (P
28	Chlordane	28 - Chlordane
29	Chlordecone	29 - Chlordecone

30	Chlorfenvinphos	30 - Chlorfenvinphos
31	Chloro-alkanes, C10-C13	31 - Chloro-alkanes, C10-C13
32	Chlorpyrifos	32 - Chlorpyrifos
33	DDT	33 - DDT
70	Di-(2-ethyl hexyl) phthalate (D	70 - Di-(2-ethyl hexyl) phthalate (D
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
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
45	Lindane	45 - Lindane
46	Mirex	46 - Mirex
68	Naphthalene	68 - Naphthalene
07	Non-methane volatile organic	07 - Non-methane volatile organic
64	Nonylphenol and Nonylphenol	64 - Nonylphenol and Nonylpheno
49	Pentachlorophenol (PCP)	49 - Pentachlorophenol (PCP)
50	Polychlorinated biphenyls (PC	50 - Polychlorinated biphenyls (PC
72	Polycyclic aromatic hydrocarb	72 - Polycyclic aromatic hydrocarb
51	Simazine	51 - Simazine
52	Tetrachloroethylene (PER)	52 - Tetrachloroethylene (PER)
73	Toluene	73 - Toluene
59	Toxaphene	59 - Toxaphene
74	Tributyltin and compounds	74 - Tributyltin and compounds
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

Emission Type : Offsite Transfers

PRTR Pollutants

Pollutant_Number	Pollutant_Name	Pollutant_Lookup
55	1,1,1-trichloroethane	55 - 1,1,1-trichloroethane
56	1,1,2,2-tetrachloroethane	56 - 1,1,2,2-tetrachloroethane
44	1,2,3,4,5,6-hexachlorocyclohe	44 - 1,2,3,4,5,6-hexachlorocyclohe
34	1,2-dichloroethane (EDC)	34 - 1,2-dichloroethane (EDC)
25	Alachlor	25 - Alachlor
26	Aldrin	26 - Aldrin
06	Ammonia (NH3)	06 - Ammonia (NH3)
61	Anthracene	61 - Anthracene
17	Arsenic and compounds (as A	17 - Arsenic and compounds (as A
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 (PI	63 - Brominated diphenylethers (P
18	Cadmium and compounds (as	18 - Cadmium and compounds (a
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 compo	80 - Chlorine and inorganic compo
31	Chloro-alkanes, C10-C13	31 - Chloro-alkanes, C10-C13
15	Chlorofluorocarbons (CFCs)	15 - Chlorofluorocarbons (CFCs)
32	Chlorpyrifos	32 - Chlorpyrifos
19	Chromium and compounds (a	19 - Chromium and compounds (a
20	Copper and compounds (as C	20 - Copper and compounds (as C
82	Cyanides (as total CN)	82 - Cyanides (as total CN)
33	DDT	33 - DDT
70	Di-(2-ethyl hexyl) phthalate (D	70 - Di-(2-ethyl hexyl) phthalate (D
35	Dichloromethane (DCM)	35 - Dichloromethane (DCM)
36	Dieldrin	36 - Dieldrin
37	Diuron	37 - Diuron
38	Endosulphan	38 - Endosulphan
39	Endrin	39 - Endrin
65	Ethyl benzene	65 - Ethyl benzene
66	Ethylene oxide	66 - Ethylene oxide
88	Fluoranthene	88 - Fluoranthene
83	Fluorides (as total F)	83 - Fluorides (as total F)
84	Fluorine and inorganic compo	84 - Fluorine and inorganic compo
40	Halogenated organic compour	40 - Halogenated organic compou
16	Halons	16 - Halons
41	Heptachlor	41 - Heptachlor
90	Hexabromobiphenyl	90 - Hexabromobiphenyl
42	Hexachlorobenzene (HCB)	42 - Hexachlorobenzene (HCB)
43	Hexachlorobutadiene (HCBD)	43 - Hexachlorobutadiene (HCBD
04	Hydro-fluorocarbons (HFCs)	04 - Hydro-fluorocarbons (HFCs)
14	Hydrochlorofluorocarbons (HC	14 - Hydrochlorofluorocarbons (H
85	Hydrogen cyanide (HCN)	85 - Hydrogen cyanide (HCN)
89	Isodrin	89 - Isodrin
67	Isoproturon	67 - Isoproturon
23	Lead and compounds (as Pb)	23 - Lead and compounds (as Pb)
45	Lindane	45 - Lindane
21	Mercury and compounds (as H	21 - Mercury and compounds (as
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
64	Nonylphenol and Nonylphenol	64 - Nonylphenol and Nonylpheno
87	Octylphenols and Octylphenol	87 - Octylphenols and Octylpheno
69	Organotin compounds (as tota	69 - Organotin compounds (as tot
86	Particulate matter (PM10)	86 - Particulate matter (PM10)
47	PCDD + PCDF (dioxins + fura	47 - PCDD + PCDF (dioxins + fura
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 (PC
72	Polycyclic aromatic hydrocarb	72 - Polycyclic aromatic hydrocarb
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) (a	76 - Total organic carbon (TOC) (
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
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-hexachlorocyclohe	44 - 1,2,3,4,5,6-hexachlorocyclohe
34	1,2-dichloroethane (EDC)	34 - 1,2-dichloroethane (EDC)
25	Alachlor	25 - Alachlor
26	Aldrin	26 - Aldrin
06	Ammonia (NH3)	06 - Ammonia (NH3)
61	Anthracene	61 - Anthracene
17	Arsenic and compounds (as A	17 - Arsenic and compounds (as A
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 (PI	63 - Brominated diphenylethers (P
18	Cadmium and compounds (as	18 - Cadmium and compounds (a
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 compo	80 - Chlorine and inorganic compo
31	Chloro-alkanes, C10-C13	31 - Chloro-alkanes, C10-C13
15	Chlorofluorocarbons (CFCs)	15 - Chlorofluorocarbons (CFCs)
32	Chlorpyrifos	32 - Chlorpyrifos
19	Chromium and compounds (a	19 - Chromium and compounds (a
20	Copper and compounds (as C	20 - Copper and compounds (as C
82	Cyanides (as total CN)	82 - Cyanides (as total CN)
33	DDT	33 - DDT
70	Di-(2-ethyl hexyl) phthalate (D	70 - Di-(2-ethyl hexyl) phthalate (D
35	Dichloromethane (DCM)	35 - Dichloromethane (DCM)
36	Dieldrin	36 - Dieldrin
37	Diuron	37 - Diuron
38	Endosulphan	38 - Endosulphan
39	Endrin	39 - Endrin

65	Ethyl benzene	65 - Ethyl benzene
66	Ethylene oxide	66 - Ethylene oxide
88	Fluoranthene	88 - Fluoranthene
83	Fluorides (as total F)	83 - Fluorides (as total F)
84	Fluorine and inorganic compo	84 - Fluorine and inorganic compc
40	Halogenated organic compour	40 - Halogenated organic compou
16	Halons	16 - Halons
41	Heptachlor	41 - Heptachlor
90	Hexabromobiphenyl	90 - Hexabromobiphenyl
42	Hexachlorobenzene (HCB)	42 - Hexachlorobenzene (HCB)
43	Hexachlorobutadiene (HCBD)	43 - Hexachlorobutadiene (HCBD)
04	Hydro-fluorocarbons (HFCs)	04 - Hydro-fluorocarbons (HFCs)
14	Hydrochlorofluorocarbons (HC	14 - Hydrochlorofluorocarbons (H(
85	Hydrogen cyanide (HCN)	85 - Hydrogen cyanide (HCN)
89	Isodrin	89 - Isodrin
67	Isoproturon	67 - Isoproturon
23	Lead and compounds (as Pb)	23 - Lead and compounds (as Pb)
45	Lindane	45 - Lindane
21	Mercury and compounds (as H	21 - Mercury and compounds (as
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
64	Nonylphenol and Nonylphenol	64 - Nonylphenol and Nonylpheno
87	Octylphenols and Octylphenol	87 - Octylphenols and Octylpheno
69	Organotin compounds (as tota	69 - Organotin compounds (as tot
86	Particulate matter (PM10)	86 - Particulate matter (PM10)
47	PCDD + PCDF (dioxins + fura	47 - PCDD + PCDF (dioxins + fura
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 (PC
72	Polycyclic aromatic hydrocarb	72 - Polycyclic aromatic hydrocarb
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) (a	76 - Total organic carbon (TOC) (
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
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)

Air Lookup	
From Row A	4
To Row A	25
Start Cell A	3
From Row B	28
To Row B	71
Start Cell B	27
Water Lookup	
From Row A	75
To Row A	98
Start Cell A	74
From Row B	101
To Row B	148
Start Cell B	100

i)

Offsite Xfers Lookup	
From Row	152
To Row	242
Start Cell	151

ans)(as Teq)

Land Lookup	
From Row	246
To Row	336
Start Cell	245

exane(HCH)

ounds (as HCl)

DEHP)

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nds (as AOX)

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ɔl ethoxylates
:al Sn)

ans)(as Teq)

CBs)
ɔons (PAHs)

as total C or COD/3)

l isomers)

Licensed (Non-PRTR) Pollutants

Emission Type : Air

Pollutant_Number	Pollutant_Name	Pollutant_Lookup
201	1,2 trichloroethylene	201 - 1,2 trichloroethyle
241	2-Chloroethanol	241 - 2-Chloroethanol
202	2-methyoxyethanol	202 - 2-methyoxyethano
301	Acetate	301 - Acetate
203	Acetic acid	203 - Acetic acid
247	Acetone	247 - Acetone
361	Acrylates	361 - Acrylates
369	Alkyl Phenol Ethoxyla	369 - Alkyl Phenol Etho
355	Aluminium	355 - Aluminium
205	Antimony (as Sb)	205 - Antimony (as Sb)
206	Benzene & toluene &	206 - Benzene & toluen
243	cis-1,2-dichloroethene	243 - cis-1,2-dichloroethene
207	Class B organics	207 - Class B organics
356	Cobalt	356 - Cobalt
208	Condenseable volatile	208 - Condenseable vo
310	Dimethylester	310 - Dimethylester
209	Dimethylformamide	209 - Dimethylformamide
245	Dimethylsulphate	245 - Dimethylsulphate
210	Dust	210 - Dust
211	Epichlorohydrin	211 - Epichlorohydrin
248	Ethanol	248 - Ethanol
212	Formaldehyde	212 - Formaldehyde
315	Formaldehyde	315 - Formaldehyde
213	Formic acid	213 - Formic acid
316	Hydrazine	316 - Hydrazine
214	Hydrogen bromide	214 - Hydrogen bromide
317	Hydrogen peroxide	317 - Hydrogen peroxide
215	Hydrogen sulphide	215 - Hydrogen sulphide
318	Hydrogen sulphide	318 - Hydrogen sulphide
216	Indicator Microorganis	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 w	222 - Organic substances with photochemical ozone
331	Organohalogens	331 - Organohalogens
223	Ozone	223 - Ozone
333	Permethrin	333 - Permethrin
334	Pesticides	334 - Pesticides
337	Pharmaceutical active	337 - Pharmaceutical actives

Air Lookup	
From Row	4
To Row	89
Start Cell	3
Water Lookup	
From Row	92
To Row	192
Start Cell	91
Offsite Xfers Lookup	
From Row	195
To Row	276
Start Cell	194
Land Lookup	
From Row	279
To Row	279
Start Cell	278

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 s	224 - TA Luft carcinogenic substances Class 1
225	TA Luft carcinogenic s	225 - TA Luft carcinogenic substances Class 2
226	TA Luft carcinogenic s	226 - TA Luft carcinogenic substances Class 3
227	TA Luft inorganic dust	227 - TA Luft inorganic dust particles class 1
228	TA Luft inorganic dust	228 - TA Luft inorganic dust particles class 2
229	TA Luft inorganic dust	229 - TA Luft inorganic dust particles class 3
230	TA Luft organic substa	230 - TA Luft organic substances class 1
231	TA Luft organic substa	231 - TA Luft organic substances class 2
232	TA Luft organic substa	232 - TA Luft organic substances class 3
371	Tellurium	371 - Tellurium
233	Thallium compounds	233 - Thallium compounds
358	Tin	358 - Tin
234	Toluene di-isocyanate	234 - Toluene di-isocyanate
235	Total acids	235 - Total acids
345	Total acids	345 - Total acids
242	Total Aldehydes (as C	242 - Total Aldehydes (as C)
347	Total heavy metals	347 - Total heavy metals
351	Total Organic Carbon	351 - Total Organic Carbon (as C)
352	Total Organic Carbon	352 - Total Organic Carbon (as Toluene)
244	Total Particulates	244 - Total Particulates
350	Undenatured botulinu	350 - Undenatured botulinum toxin
236	Vanadium (as V)	236 - Vanadium (as V)
237	Volatile organic comp	237 - Volatile organic compounds (as TOC)

Emission Type : Water

Pollutant_Number	Pollutant_Name	Pollutant_Lookup
380	2,4 Dichlorophenol (2	380 - 2,4 Dichlorophenol (2,4 D)
394	2,6-Dichlorobenzamid	394 - 2,6-Dichlorobenzamide
301	Acetate	301 - Acetate
203	Acetic acid	203 - Acetic acid
376	Acetone	376 - Acetone
378	Acetronitrile	378 - Acetronitrile
361	Acrylates	361 - Acrylates
369	Alkyl Phenol Ethoxyla	369 - Alkyl Phenol Ethoxylates
355	Aluminium	355 - Aluminium
204	Amines	204 - Amines
238	Ammonia (as N)	238 - Ammonia (as N)
205	Antimony (as Sb)	205 - Antimony (as Sb)
373	Barium	373 - Barium
206	Benzene & toluene &	206 - Benzene & toluene & xylene (combined)
389	Benzo[a]pyrene	389 - Benzo[a]pyrene
390	Benzo[b]fluoranthene	390 - Benzo[b]fluoranthene
391	Benzo[k]fluoranthene	391 - Benzo[k]fluoranthene
302	Biocides	302 - Biocides
303	BOD	303 - BOD
374	Boron	374 - Boron
304	Bromide	304 - Bromide

305	Calcium	305 - Calcium
393	Carbon tetrachloride	393 - Carbon tetrachloride
243	cis-1,2-dichloroethene	243 - cis-1,2-dichloroethene
356	Cobalt	356 - Cobalt
306	COD	306 - COD
208	Condenseable volatile	208 - Condenseable volatile organic compounds
308	Detergents (as MBAS	308 - Detergents (as MBAS)
388	Dichlobenil	388 - Dichlobenil
381	Dichlorobenil	381 - Dichlorobenil
395	Dicofol	395 - Dicofol
309	Diesel range organics	309 - Diesel range organics
310	Dimethylester	310 - Dimethylester
245	Dimethylsulphate	245 - Dimethylsulphate
211	Epichlorohydrin	211 - Epichlorohydrin
377	Ethanol	377 - Ethanol
314	Fats, Oils and Grease	314 - Fats, Oils and Greases
212	Formaldehyde	212 - Formaldehyde
315	Formaldehyde	315 - Formaldehyde
213	Formic acid	213 - Formic acid
382	Glyphosate	382 - Glyphosate
396	Hexabromocyclodeca	396 - Hexabromocyclodecane (HBCD)
316	Hydrazine	316 - Hydrazine
366	Hydrocarbons	366 - Hydrocarbons
214	Hydrogen bromide	214 - Hydrogen bromide
317	Hydrogen peroxide	317 - Hydrogen peroxide
318	Hydrogen sulphide	318 - Hydrogen sulphide
392	Indeno[1,2,3-c,d]pyrer	392 - Indeno[1,2,3-c,d]pyrene
319	Inorganic acids	319 - Inorganic acids
357	Iron	357 - Iron
375	Isopropyl Alcohol (IPA	375 - Isopropyl Alcohol (IPA)
362	Kjeldahl Nitrogen	362 - Kjeldahl Nitrogen
383	Linuron	383 - Linuron
320	Magnesium	320 - Magnesium
321	Manganese (as Mn)	321 - Manganese (as Mn)
384	MCPA	384 - MCPA
322	MDI as NCO group	322 - MDI as NCO group
385	Mecoprop Total	385 - Mecoprop Total
323	Methanol	323 - Methanol
367	Methyl Methacrylate	367 - Methyl Methacrylate
324	Mineral oils	324 - Mineral oils
368	Molybdenum	368 - Molybdenum
325	Monochloramine	325 - Monochloramine
326	n-hexene	326 - n-hexene
327	Nitrate (as N)	327 - Nitrate (as N)
372	Nitrite (as N)	372 - Nitrite (as N)
328	Non-purgeable organi	328 - Non-purgeable organic compounds
329	Octafluropentanol	329 - Octafluropentanol
330	Organic solvents	330 - Organic solvents
331	Organohalogens	331 - Organohalogens
387	Ortho-phosphate (as I	387 - Ortho-phosphate (as P)
332	Ortho-phosphate (as I	332 - Ortho-phosphate (as PO4)
333	Permethrin	333 - Permethrin
334	Pesticides	334 - Pesticides
335	Petrol range organics	335 - Petrol range organics
397	PFOS	397 - PFOS
337	Pharmaceutical 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 Solids	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 Nitroge	379 - Total Oxidised Nitrogen (TON)
348	Total petroleum hydro	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 volatile	208 - Condenseable volatile organic compounds
308	Detergents (as MBAS	308 - Detergents (as MBAS)
309	Diesel range organics	309 - Diesel range organics
310	Dimethylester	310 - Dimethylester
245	Dimethylsulphate	245 - Dimethylsulphate
211	Epichlorohydrin	211 - Epichlorohydrin
377	Ethanol	377 - Ethanol
314	Fats, Oils and Grease	314 - Fats, Oils and Greases
212	Formaldehyde	212 - Formaldehyde
315	Formaldehyde	315 - Formaldehyde
213	Formic acid	213 - Formic acid

316	Hydrazine	316 - Hydrazine
366	Hydrocarbons	366 - Hydrocarbons
214	Hydrogen bromide	214 - Hydrogen bromide
317	Hydrogen peroxide	317 - Hydrogen peroxide
318	Hydrogen sulphide	318 - Hydrogen sulphide
319	Inorganic acids	319 - Inorganic acids
357	Iron	357 - Iron
375	Isopropyl Alcohol (IPA	375 - Isopropyl Alcohol (IPA)
362	Kjeldahl Nitrogen	362 - Kjeldahl Nitrogen
320	Magnesium	320 - Magnesium
321	Manganese (as Mn)	321 - Manganese (as Mn)
322	MDI as NCO group	322 - MDI as NCO group
323	Methanol	323 - Methanol
367	Methyl Methacrylate	367 - Methyl Methacrylate
324	Mineral oils	324 - Mineral oils
368	Molybdenum	368 - Molybdenum
325	Monochloramine	325 - Monochloramine
326	n-hexene	326 - n-hexene
327	Nitrate (as N)	327 - Nitrate (as N)
372	Nitrite (as N)	372 - Nitrite (as N)
328	Non-purgeable organi	328 - Non-purgeable organic compounds
329	Octafluropentanol	329 - Octafluropentanol
330	Organic solvents	330 - Organic solvents
331	Organohalogens	331 - Organohalogens
387	Ortho-phosphate (as I	387 - Ortho-phosphate (as P)
332	Ortho-phosphate (as I	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 Solids	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 hydro	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

potential

GroupCode	Description
01	WASTE RESULTING FROM EXPLORA
02	WASTES FROM AGRICULTURE, HOR
03	WASTES FROM WOOD PROCESSIN
04	WASTES FROM THE LEATHER, FUR
05	WASTES FROM PETROLEUM REFINI
06	WASTES FROM INORGANIC CHEMIC
07	WASTES FROM ORGANIC CHEMICAL
08	WASTES FORM THE MANUFACTURE
09	WASTES FROM THE PHOTOGRAPHI
10	WASTES FROM THERMAL PROCESS
11	WASTES FROM CHEMICAL SURFACE
12	WASTES FROM SHAPING AND PHYS
13	OIL WASTES AND WASTES OF LIQUI
14	WASTE ORGANIC SOLVENTS, REFRI
15	WASTE PACKAGING; ABSORBENTS,
16	WASTES NOT OTHERWISE SPECIFIE
17	CONSTRUCTION AND DEMOLITION V
18	WASTES FROM HUMAN OR ANIMAL
19	WASTES FROM WASTE MANAGEME
20	MUNICIPAL WASTES (HOUSEHOLD V

GroupCode	SubGroupCode	Description
01	01	wastes from mine
01	03	wastes from phys
01	04	wastes from phys
01	05	drilling muds and
02	01	wastes from agric
02	02	wastes from the p
02	03	wastes from fruit,
02	04	wastes from suga
02	05	wastes from the d
02	06	wastes from the b
02	07	wastes from the p
03	01	wastes from wood
03	02	wastes from wood
03	03	wastes from pulp,
04	01	wastes from the le
04	02	wastes from the te
05	01	wastes from petro
05	06	waste from the py
05	07	waste from natura
06	01	wastes from the n
06	02	wastes from the M
06	03	wastes from the M
06	04	metal-containing v
06	05	sludges from on-s
06	06	wastes from the M
06	07	wastes from the M
06	08	wastes from the M
06	09	wastes from the M
06	10	wastes from the M
06	11	wastes from the n
06	13	wastes from inorg
07	01	wastes from the n
07	02	wastes from the M
07	03	wastes from the M

07	04	wastes from the M
07	05	wastes from the M
07	06	wastes from the M
07	07	wastes from the M
08	01	wastes from MFS
08	02	wastes from MFS
08	03	wastes from MFS
08	04	wastes from MFS
08	05	wastes not otherw
09	01	wastes for the pho
10	01	wastes from powe
10	02	wastes from the ir
10	03	wastes from alum
10	04	wastes from lead
10	05	wastes from zinc t
10	06	wastes from copp
10	07	wastes from silver
10	08	wastes from other
10	09	wastes from casti
10	10	wastes from casti
10	11	wastes from manu
10	12	wastes from manu
10	13	wastes from manu
10	14	waste from crema
11	01	wastes from chem
11	02	waste from non-fe
11	03	sludges and solids
11	05	wastes from hot g
12	01	wastes from shap
12	03	wastes from wate
13	01	waste hydraulic oi
13	02	waste engine, gea
13	03	waste insulating a
13	04	bilge oils
13	05	oil/water separato
13	07	wastes of liquid fu
13	08	oil wastes not othe
14	06	waste organic solv
15	01	packaging (includ
15	02	absorbents, filter m
16	01	end-of-life vehicle
16	02	wastes from elect
16	03	off-specification b
16	04	waste explosives
16	05	gases in pressure
16	06	batteries and accu
16	07	wastes from trans
16	08	spent catalysts
16	09	oxidising substanc
16	10	aqueous liquid wa
16	11	waste linings and
17	01	concrete, bricks, t
17	02	wood, glass and p
17	03	bituminous mixtur
17	04	metals (including
17	05	soil (including exc

17	06	insulation materia
17	08	gypsum-based co
17	09	other construction
18	01	wastes from natal
18	02	wastes from resea
19	01	wastes from incin
19	02	wastes from phys
19	03	stabilised/solidifie
19	04	vitrified waste and
19	05	wastes from aerol
19	06	wastes from anae
19	07	landfill leachate
19	08	wastes from wast
19	09	wastes from the p
19	10	wastes from shred
19	11	wastes from oil re
19	12	wastes from the n
19	13	wastes from soil a
20	01	separately collecte
20	02	garden and park v
20	03	other municipal wa

GroupCode	**SubGroupCode**	**WasteCode**
01	01	01
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ATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS
RTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND
G AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD
AND TEXTILE INDUSTRIES
NG, NATURAL GAS PURIFICATION AND PYROLYTIC TREATMENT OF COAL
CAL PROCESSES
L PROCESSES
E, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREC
C INDUSTRY
SES
E TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-M
ICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS
D FUELS (except edible oils, and those in chapters 05, 12 and 19)
IGERANTS AND PROPELLANTS (except 07 and 08)
WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECI
ED IN THE LIST
WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising fr
NT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF W
WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING S

ral excavation
ical and chemical processing of metalliferous minerals
ical and chemical processing of non-metalliferous minerals
other drilling wastes
ulture, horticulture, aquaculture, forestry, hunting and fishing
reparation and processing of meat, fish and other foods of animal origin
vegetables, cereals, edible oils, cocoa, coffee, tea and tabacco preparation and processing; conserve
r processing
lairy products industry
aking and confectionery industry
roduction of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)
d processing and the production of panels and furniture
d preservation
paper and cardboard production and processing
eather and fur industry
extile industry
oleum refining
rolytic treatment of coal
al gas purification and transportation
nanufacture, formulation, supply and use (MFSU) of acids
MFSU of bases
MFSU of salts and their solutions and metallic oxides
wastes other than those mentioned in 06 03
site effluent treatment
MFSU of sulphur chemicals, sulphur chemical processes and desulphurisation processes
MFSU of halogens and halogen chemical processes
MFSU of silicon and silicon derivatives
MFSU of phosphorus chemicals and phosphorous chemical processes
MFSU of nitrogen chemicals, nitrogen chemical processes and fertiliser manufacture
nanufacture of inorganic pigments and opacificiers
anic chemical processes not otherwise specified
nanufacture, formulation, supply and use (MFSU) of basic organic chemicals
MFSU of plastics, synthetic rubber and man-made fibres
MFSU of organic dyes and pigments (except 06 11)

MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (e›
MFSU of pharmaceuticals
MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
MFSU of fine chemicals and chemical products not otherwise specified
U and removal of paint and varnish
U of other coatings (including ceramic materials)
U of printing inks
U of adhesives and sealants (including waterproofing products)
vise specified in 08
otographic industry
er stations and other combustion plants (except 19)
on and steel industry
inium thermal metallurgy
thermal metallurgy
thermal metallurgy
er thermal metallurgy
r, gold and platinum thermal metalurgy
non-ferous thermal metallurgy
ng of ferrous pieces
ng of non-ferrous pieces
ufacture of glass and glass products
ufacture of ceramic goods, bricks, tiles and construction products
ufacture of cement, lime and plaster and articles and products made from them
atoria
nical surface treatment and coating of metals and other materials (for example galvanic processes, zin
errous hydrometallurgical processes
s from tempering processes
galvanising processes
ing and physical and mechanical surface treatment of metals and plastics
r and steam degreasing processes (except 11)
ils
ar and lubricating oils
and heat transmission oils

r contents
uels
erwise specified
vents, refrigerants and foam/aerosol propellants
ing separately collected municipal packaging waste)
materials, wiping cloths and protective clothing
s from different means of transport (including off-road machinery) and wastes from dismantling of end·
rical and electronic equipment
atches and unused products

containers and discarded chemicals
umulators
sport tank, storage tank and barrel cleaning (except 05 and 13)

ces
astes destined for off-site treatment
refractories
iles and ceramics
plastic
es, coal tar and tarred products
their alloys)
avated soil from contaminated sites), stones and dredging spoil

ls and asbestos-containing construction materials
nstruction material
n and demolition waste
l care, diagnosis, treatment or prevention of disease in humans
arch, diagnosis, treatment or prevention of disease involving animals
eration or pyrolysis of waste
ico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
d wastes (19)
l wastes from vitrification
bic treatment of solid wastes
robic treatment of waste

e water treatment plants not otherwise specified
reparation of water intended for human consumption or water for industrial use
dding of metal-containing wastes
generation
nechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise sp
and groundwater remediation
ed fractions (except 15 01)
wastes (including cemetery waste)
astes

Description

wastes from mineral metalliferous excavation
wastes from mineral non-metalliferous excavation
acid-generating tailings from processing of sulphide ore
other tailings containing dangerous substances
tailings other than those mentioned in 01 03 04 and 01 03 05
other wastes containing dangerous substances from physical and chemical processing of metalliferou
dusty and powdery wastes other than those mentioned in 01 03 07
red mud from alumina production other than the wastes mentioned in 01 03 07
wastes not otherwise specified
waste containing dangerous substances from physical and chemical processing of nonmetalliferous n
waste gravel and crushed rocks other than those mentioned in 01 04 07
waste sand and clays
dusty and powdery wastes other than those mentioned in 01 04 07
wastes from potash and rock salt processing other than those mentioned in 01 04 07
tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04
waste from stone cutting and sawing other than those mentioned in 01 04 07
waste not otherwise specified
freshwater drilling muds and wastes
oil-containing drilling muds and wastes
drilling muds and other drilling wastes containing dangerous substances
barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 0105 06
chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
wastes not otherwise specified
sludges from washing and cleaning
animal-tissue waste
plant-tissue waste
waste plastics (except packaging)
animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated c
waste from forestry
agrochemical waste containing dangerous substances
agrochemical waste other than those mentioned in 02 01 08
waste metal
wastes not otherwise specified
sludges from washing and cleaning

animal-tissue waste
materials unsuitable for consumption or processing
sludges from on-site effluent treatment
waste not otherwise specified
sludges from washing, cleaning, peeling, centrifuging and separation
waste from preserving agents
wastes from solvent extraction
materials unsuitable for consumption or processing
sludges from on-site effluent treatment
wastes not otherwise specified
soil from cleaning and washing beet
off-specification calcium carbonate
sludges from on-site effluent treatment
wastes not otherwise specified
materials unsuitable for consumption or processing
sludges from on-site effluent treatment
wastes not otherwise specified
materials unsuitable for consumption or processing
wastes from preserving agents
sludges from on-site effluent treatment
waste not otherwise specified
wastes from washing, cleaning and mechanical reduction of raw materials
wastes from spirits distillation
wastes from chemical treatment
materials unsuitable for consumption or processing
sludges from on-site effluent treatment
waste not otherwise specified
waste bark and cork
sawdust, shavings, cuttings, wood, particle board and veneer containing dangerous substances
sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
wastes not otherwise specified
non-halogenated organic wood preservatives
organochlorinated wood preservatives
organometallic wood preservatives
inorganic wood preservatives
other wood preservatives containing dangerous substances
wood preservatives not otherwise specified
waste bark and wood
green liquor sludge (from recovery of cooking liquor)
de-inking sludges from paper recycling
mechanically separated rejects from pulping of waste paper and cardboard
wastes from sorting of paper and cardboard destined for recycling
lime mud waste
fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
sludges from on-site effluent treatment other than those mentioned in 03 03 10
wastes not otherwise specified
fleshings and lime split wastes
liming waste
degreasing wastes containing solvents without a liquid phase
tanning liquor containing chromium
tanning liquor free of chromium
sludges, in particular from on-site effluent treatment containing chromium
sludges , in particular from on-site effluent treatment free of chromium
waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium
wastes from dressing and finishing
wastes not otherwise specified

wastes from composite materials (impregnated textile, elastomer, plastomer)
organic matter from natural products (for example grease, wax)
wastes from finishing containing organic solvents
wastes from finishing other than those mentioned in 04 02 14
dyestuffs and pigments containing dangerous substances
dyestuffs and pigments other than those mentioned in 04 02 16
sludges from on-site effluent treatment containing dangerous substances
sludges from on-site effluent treatment other than those mentioned in 04 02 19
wastes from unprocessed textile fibres
wastes from processed textile fibres
wastes not otherwise specified
desalter sludges
tank bottom sludges
acid alkyl sludges
oil spills
oily sludges from maintenance operations of the plant or equipment
acid tars
other tars
sludges from on-site effluent treatment containing dangerous substances
sludges from on-site effluent treatment other than those mentioned in 05 01 09
wastes from cleaning of fuels with bases
oil containing acids
boiler feedwater sludges
wastes from cooling columns
spent filter clays
sulphur-containing wastes from petroleum desulphurisation
bitumen
wastes not otherwise specified
acid tars
other tars
waste from cooling columns
wastes not otherwise specified
wastes containing mercury
wastes containing sulphur
wastes not otherwise specified
sulphuric acid and sulphurous acid
hydrochloric acid
hydrochloric acid
phosphoric and phosphorous acid
nitric acid and nitrous acid
other acids
wastes not otherwise specified
calcium hydroxide
ammonium hydroxide
sodium and potassium hydroxide
other bases
wastes not otherwise specified
solid salts and solutions containing cyanides
solid salts and solutions containing heavy metals
solid salts and solution other than those mentioned in 06 03 11 and 06 03 13
metallic oxides containing heavy metals
metallic oxides other than those mentioned in 06 03 15
wastes not otherwise specified
wastes containing arsenic
wastes containing mercury
wastes containing other heavy metals

wastes not otherwise specified
sludges from on-site effluent treatment containing dangerous solutions
sludges from onsite effluent treatment other than those mentioned in 06 05 02
wastes containing dangerous sulphides
wastes containing sulphides other than those mentioned in 06 06 02
wastes not otherwise specified
wastes containing asbestos from electrolysis
activated carbon from chlorine production
barium sulphate sludge containing mercury
solutions and acids, for example contact acid
wastes not otherwise specified
waste containing dangerous silicones
wastes not otherwise specified
phosphorus slag
calcium-based reaction wastes containing or contaminated with dangerous substances
calcuim-based reaction wastes other than those mentioned in 06 09 03
wastes not otherwise specified
wastes containing dangerous substances
wastes not otherwise specified
calcium-based reaction wastes from titanium dioxide production
wastes not otherwise specified
inorganic plant protection products, wood-preserving agents and other biocides
spent activated carbon (except 06 07 02)
carbon black
wastes from asbestos processing
soot
wastes not otherwise specified
aqueous washing liquids and mother liquors
organic halogenated solvents, washing liquids and mother liquors
other organic solvents, washing liquids and mother liquors
halogenated still bottoms and reaction residues
other still bottoms and reaction residues
halogenated filter cakes and spent absorbents
other filter cakes and spent absorbents
sludges from on-site effluent treatment containing dangerous substances
sludges from on-site effluent treatment other than those mentioned in 07 01 11
wastes not otherwise specified
aqueous washing liquids and mother liquors
organic halogenated solvents, washing liquids and mother liquors
other organic solvents, washing liquids and mother liquors
halogenated still bottoms and reaction residues
other still bottoms and reaction residues
halogenated filter cakes and spent absorbents
other filter cakes and spent absorbents
sludges from on-site effluent treatment containing dangerous substances
sludges from on-site effluent treatment other than those mentioned in 07 02 11
waste plastic
wastes from additives containing dangerous substances
wastes from additives other than those mentioned in 07 02 14
waste containing dangerous silicones
waste containing silicones other than those mentioned in 07 02 16
wastes not otherwise specified
aqueous washing liquids and mother liquors
organic halogenated solvents, washing liquids and mother liquors
other organic solvents, washing liquids and mother liquors
halogenated still bottoms and reaction residues

other still bottoms and reaction residues
halogenated filter cakes and spent absorbents
other filter cakes and spent absorbents
sludges from on-site effluent treatment containing dangerous substances
sludges from on-site effluent treatment other than those mentioned in 07 03 11
wastes not otherwise specified
aqueous washing liquids and mother liquors
organic halogenated solvents, washing liquids and mother liquors
other organic solvents, washing liquids and mother liquids
halogenated still bottoms and reaction residues
other still bottoms and reaction residues
halogenated filter cakes and spent absorbents
other filter cakes and spent absorbents
sludges from on-site effluent treatment containing dangerous substances
sludges from on-site effluent treatment other than those mentioned in 07 04 11
solid wastes containing dangerous substances
wastes not otherwise specified
aqueous washing liquids and mother liquors
organic halogenated solvents, washing liquids and mother liquors
other organic solvents, washing liquids and mother liquors
halogenated still bottoms and reaction residues
other still bottoms and reaction residues
halogenated filter cakes and spent absorbents
other filter cakes and spent absorbents
sludges from on-site effluent treatment containing dangerous substances
sludges from on-site effluent treatment other than those mentioned in 07 05 11
solid wastes containing dangerous substances
solid wastes other than those mentioned in 07 05 13
wastes not otherwise specified
aqueous washing liquids and mother liquors
organic halogenated solvents, washing liquids and mother liquors
other organic solvents, washing liquids and mother liquors
halogenated still bottoms and reaction residues
other sill bottoms and reaction residues
halogenated filter cakes and spent absorbents
other filter cakes and spent absorbents
sludges from on-site effluent treatment containing dangerous substances
sludges from on-site effluent treatment other than those mentioned in 07 06 11
wastes not otherwise specified
aqueous washing liquids and mother liquors
organic halogenated solvents, washing liquids and mother liquors
other organic solvents, washing liquids and mother liquors
halogenated still bottoms and reaction residues
other still bottoms and reaction residues
halogenated filter cakes and spent absorbents
other filter cakes and spent sbsorbents
sludges from on-site effluent treatment containing dangerous substances
sludges from on-site effluent treatment other than those mentioned in 07 07 11
wastes not otherwise specified
waste paint and varnish containing organic solvents or other dangerous substances
waste paint and varnish other than those mentioned in 08 01 11
sludges from paint or varnish containing organic solvents or other dangerous substances
sludges from paint or varnish other than those mentioned in 08 01 13
aqueous sludges containing paint or varnish containing organic solvents or other dangerous substanc
aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
wastes from paint or varnish removal containing organic solvents or other dangerous substances

wastes from paint or varnish removal other than those mentioned in 08 01 17
aqueous suspensions containing paint or varnish containing organic solvents or other dangerous subs
aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
waste paint or varnish remover
wastes not otherwise specified
waste coating powders
aqueous sludges containing ceramic materials
aqueous suspensions containing ceramic materials
wastes not otherwise specified
aqueous sludges containing ink
aqueous liquid waste containing ink
waste ink containing dangerous substances
waste ink other than those mentioned in 08 03 12
ink sludges containing dangerous substances
ink sludges other than those mentioned in 08 03 14
waste etching solutions
waste printing toner containing dangerous substances
waste printing toner other than those mentioned in 08 03 17
disperse oil
wastes not otherwise specified
waste adhesives and sealants containing organic solvents or other dangerous substances
waste adhesives and sealants other than those mentioned in 08 04 09
adhesive and sealant sludges containing organic solvents or other dangerous substances
adhesive and sealant sludges other than those mentioned in 08 04 11
aqueous sludges containing adhesives or sealants containing organic solvents or other dangerous su
aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13
aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous
aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
rosin oil
wastes not otherwise specified
waste isocyanates
water-based developer and activator solutions
water-based offset plate developer solutions
solvent-based developer solutions
fixed solutions
bleach solutions and bleach fixer solutions
wastes containing silver from on-site treatment of photographic wastes
photographic film and paper containing silver or silver compounds
photographic film and paper free of silver or silver compounds
single-use cameras without batteries
single-use cameras containing batteries included in 16 06 01, 16 06 02 or 16 06 03
single-use cameras containing batteries other than those mentioned in 09 01 11
aqueous liquid waste from on-site reclamation of silver other than those mentioned in 09 01 06
wastes not otherwise specified
bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
coal fly ash
fly ash from peat and untreated wood
oil fly ash and boiler dust
calcium-based reaction wastes from flue-gas desulphurisation in solid form
calcium-based reaction wastes from flue-gas desulphurisation in sludge form
sulphuric acid
fly ash from emulsified hydrocarbons used as fuel
bottom ash, slag and boiler dust from co-incineration containing dangerous substances
bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
fly ash from co-incineration containing dangerous substances
fly ash from co-incineration other than those mentioned in 10 01 16

wastes from gas cleaning containing dangerous substances
wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
sludges from on-site effluent treatment containing dangerous substances
sluges from on-site effluent treatment other than those mentioned in 10 01 20
aqueous sludges from boiler cleansing containing dangerous substances
aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
sands from fluidised beds
wastes from fuel storage and preparation of coal-fired power plants
wastes from cooling-water treatment
wastes not otherwise specified
wastes from the processing of slag
unprocessed slag
solid wastes from gas treatment containing dangerous substances
solid wastes from gas treatment other than those mentioned in 10 02 07
mill scales
wastes from cooling-water treatment containing oil
waste from cooling-water treatment other than those mentioned in 10 02 11
sludges and filter cakes from gas treatment containing dangerous substances
sludges and filter cakes from gas treatment other than those mentioned in 10 02 13
other sludges and filter cakes
wastes not otherwise specified
anode scraps
primary production slags
waste alumina
salt slags from secondary production
black drosses from secondary production
skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quant
skimming other than those mentioned in 10 03 15
tar-containing wastes from anode manufacture
carbon-containing waste from anode manufacture other than those mentioned in 10 03 17
flue-gas dust containing dangerous substances
flue-gas dust other than those mentioned in 10 03 19
other particulates and dust (including ball-mill dust) containing dangerous substances
other particulates and dust (including ball-mill dust) other than those mentioned in 10 03 21
solid wastes from gas treatment containing dangerous substances
solid wastes from gas treatment other than those mentioned in 10 03 23
sludges and filter cakes from gas treatment containing dangerous substances
sludges and filter cakes from gas treatment other than those mentioned in 10 03 25
wastes from cooling-water treatment containing oil
wastes from cooling-water treatment other than those mentioned in 10 03 27
waste from treatment of salt slags and black drosses containing dangerous substances
wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29
wastes not otherwise specified
slags from primary and secondary production
dross and skimmings from primary and secondary production
calcium arsenate
flue-gas dust
other particulates and dust
solid wastes from gas treatment
sludges and filter cakes from gas treatment
wastes from cooling-water treatment containing oil
waste from cooling-water treatment other than those mentioned in 10 04 09
wastes not otherwise specified
slags from primary and secondary production
flue-gas dust
other particulates and dust

solid waste from gas treatment
sludges and filter cakes from gas treatment
wastes from cooling-water treatment containing oil
wastes from cooling-water treatment other than those mentioned in 10 05 08
dross and skimmings that are flammable or emit, upon contact with water, flammable gases in dange
dross and skimmings other than those mentioned in 10 05 10
wastes not otherwise specified
slags from primary and secondary production
dross and skimmings from primary and secondary production
flue-gas dust
other particulates and dust
solid wastes from gas treatment
sludges and filter cakes from has treatment
wastes from cooling-water treatment containing oil
waste from cooling-water treatment other than those mentioned in 10 06 09
wastes not otherwise specified
slags from primary and secondary production
dross and skimmings from primary and secondary production
solid wastes from gas treatment
other particultes and dust
sludges and filter cakes from gas treatment
wastes from cooling-water treatment containing oil
wastes from cooling-water treatment other than those mentioned in 10 07 07
wastes not otherwise specified
particulates and dust
salt slag from primary and secondary production
other slags
dross and skimming that are flammable or emit, upon the contact with water, flammable gases in dan
dross and skimmings other than those mentioned in 10 08 10
tar-containing waste from anode manufacture
carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12
anode scrap
flue-gas dust containing dangerous substances
flue-gas dust other than those mentioned in 10 08 15
sludges and filter cakes from flue-gas treatment containing dangerous substances
sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17
wastes from cooling-water treatment containing oil
wastes from cooling-water treatment other than those mentioned in 10 08 19
wastes not otherwise specified
furnace slag
casting cores and moulds which have not undergone pouring containing dangerous substances
casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05
casting cores and moulds which have undergone pouring containing dangerous substances
casting cores and moulds have undergone pouring other than those mentioned in 10 09 07
flue-gas dust containing dangerous substances
flue-gas dust other than those mentioned in 10 09 09
other particulates containing dangerous substances
other particulates other than those mentioned in 10 09 11
waste binders containing dangerous substances
waste binders other than those mentioned in 10 09 13
waste crack-indicating agent containing dangerous substances
waste crack-indicating agent other than those mentioned in 10 09 15
wastes not otherwise specified
furnace slag
casting cores and moulds which have not undergone pouring, containing dangerous substances
casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05

casting cores and moulds which have undergone pouring, containing dangerous substances
casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07
flue-gas dust containing dangerous substances
flue-gas dust other than those mentioned in 10 10 09
other particulates containing dangerous substances
other particulates other than those mentioned in 10 10 11
waste binders containing dangerous substances
waste binders other than those mentioned in 10 10 13
waste crack-indicating agent containing dangerous substances
waste crack-indicating agent other than those mentioned in 10 10 15
wastes not otherwise specified
waste glass-based fibrous materials
particulates and dust
waste preparation mixture before thermal processing, containing dangerous substances
waste preparation mixture before thermal processing, other than those mentioned in 10 11 9
waste glass in small particles and glass powder containing heavy metals (for example from cathode r
waste glass other than those mentioned in 10 11 11
glass-polishing and -grinding sludge containing dangerous substances
glass-polishing and -grinding sludge other than those mentioned in 10 11 13
solid wastes from flue-gas treatment containing dangerous substances
solid wastes from flue-gas treatment other than those mentioned in 10 11 15
sludges and filter cakes from flue-gas treatment containing dangerous substances
sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17
solid wastes from on-site effluent treatment containing dangerous substances
solid wastes from on-site effluent treatment other than those mentioned in 10 11 19
wastes not otherwise specified
waste preparation mixture before thermal processing
particulates and dust
sludges and filter cakes from gas treatment
discarded moulds
waste ceramics, bricks, tiles and construction products (after thermal processing)
solid wastes from gas treatment containing dangerous substances
solid wastes from gas treatment other than those mentioned in 10 12 09
wastes from glazing containing heavy metals
wastes from glazing other than those mentioned in 10 12 11
sludge from on-site effluent treatment
wastes not otherwise specified
waste preparation mixture before thermal processing
wastes from calcination and hydration of lime
particulates and dust (except 10 13 12 and 10 13 13)
sludges and filter cakes from gas treatment
wastes from asbestos-cement manufacture containing asbestos
wastes from asbestos-cement manufacture other than those mentioned in 10 13 09
wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 1(
solid wastes from gas treatment containing dangerous substances
solid wastes from gas treatment other than those mentioned in 10 13 12
waste concrete and concrete sludge
wastes not otherwise specified
waste from gas cleaning containing mercury
pickling acids
acids not otherwise specified
pickling bases
phosphatising sludges
sludges and filter cakes containing dangerous substances
sludges and filter cakes other than those mentioned in 11 01 09
aqueous rinsing liquids containing dangerous substances

aqueous rinsing liquids other than those mentioned in 11 01 11
degreasing wastes containing dangerous substances
degreasing wastes other than those mentioned in 11 01 13
eluate and sludges from membrane systems or ion exchange systems containing dangerous substan
saturated or spent ion exchange resins
other wastes containing dangerous substances
wastes not otherwise specified
sludges from zinc hydrometallurgy (including jarosite, goethite)
wastes from the production of anodes for aqueous electrolytical processes
wastes from copper hydrometallurgical processes containing dangerous substances
wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
other wastes containing dangerous substances
wastes not otherwise specified
waste containing cyanide
other wastes
hard zinc
zinc ash
solid wastes from gas treatment
spent flux
wastes not otherwise specified
ferrous metal filings and turnings
ferrous metal dust and particles
non-ferrous metal filings and turnings
non-ferrous metal dust and particles
plastics shavings and turnings
mineral-based machining oils containing halogens (except emulsions and solutions)
mineral-based machining oils free of halogens (except emulsions and solutions)
machining emulsions and solutions containing halogens
machining emulsions and solutions free of halogens
synthetic machining oils
spent waxes and fats
welding wastes
machining sludges containing dangerous substances
machining sludges other than those mentioned in 12 01 14
waste blasting material containing dangerous substances
waste blasting material other than those mentioned in 12 01 16
metal sludge (grinding, honing and lapping sludge) containing oil
readily biodegradable machining oil
spent grinding bodies and grinding materials containing dangerous substances
spent grinding bodies and grinding materials other than those mentioned in 12 01 20
wastes not otherwise specified
aqueous washing liquids
steam degreasing wastes
hydraulic oils, containing PCBs (15)
chlorinated emulsions
non-chlorinated emulsions
mineral-based chlorinated hydraulic oils
mineral-based non-chlorinated hydraulic oils
synthetic hydraulic oils
readily biodegradable hydraulic oils
other hydraulic oils
mineral-based chlorinated engine, gear and lubricating oils
mineral-based non-chlorinated engine, gear and lubricating oils
synthetic engine, gear and lubricating oils
readily biodegradable engine, gear and lubricating oils
other engine, gear and lubricating oils

insulating or heat transmission oils containing PCBs
mineral-based chlorinated insulating and heat transmission oils other than those mentioned in 13 03 0
mineral-based non-chlorinated insulating and heat transmission oils
synthetic insulating and heat transmission oils
readily biodegradable insulating and heat transmission oils
other insulating and heat transmission oils
bilge oils from inland navigation
bilge oils from jetty sewers
bilge oils from other navigation
solids from grit chambers and oil/water separators
sludges from oil/water separators
interceptor sludges
oil from oil/water separators
oily water from oil/water separators
mixtures of wastes from grit chambers and oil/water separators
fuel oil and diesel
petrol
other fuels (including mixtures)
desalter sludges or emulsions
other emulsions
wastes not otherwise specified
chlorofluorocarbons, HCFC, HFC
other halogenated solvents and solvent mixtures
other solvents and solvent mixtures
sludges or solid wastes containing halogenated solvents
sludges or solid wastes containing other solvents
paper and cardboard packaging
plastic packaging
wooden packaging
metallic packaging
composite packaging
mixed packaging
glass packaging
textile packaging
packaging containing residues of or contaminated by dangerous substances
metallic packaging containing a dangerous solid porous matrix (for example asbestos), including emp
absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothi
absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02
end-of-life tyres
end-of-life vehicles
end-of-life vehicles, containing neither liquids nor other hazardous components
oil filters
components containing mercury
components containing PCBs
explosive components (for example air bags)
brake pads containing asbestos
brake pads other than those mentioned in 16 01 11
brake fluids
antifreeze fluids containing dangerous substances
antifreeze fluids other than those mentioned in 16 01 14
tanks for liquefied gas
ferrous metal
non-ferrous metal
plastic
glass
hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 1

components not otherwise specified
wastes not otherwise specified
transformers and capacitors containing PCBs
discarded equipment containing or contaminated by PCBs other than those mentioned in 16 02 09
discarded equipment containing chlorofluorocarbons, HCFC, HFC
discarded equipment containing free asbestos
discarded equipment containing hazardous components (16) other than those mentioned in 16 02 09
discarded equipment other than those mentioned in 16 02 09 to 16 02 13
hazardous components removed from discarded equipment
components removed from discarded equipment other than those mentioned in 16 02 15
inorganic wastes containing dangerous substances
inorganic wastes other than those mentioned in 16 03 03
organic wastes containing dangerous substances
organic wastes other than those mentioned in 16 03 05
waste ammunition
fireworks wastes
other waste explosives
gases in pressure containers (including halons) containing dangerous substances
gases in pressure containers other than those mentioned in 16 05 04
laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laborat
discarded inorganic chemicals consisting of or containing dangerous substances
discarded organic chemicals consisting of or containing dangerous substances
discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08
lead batteries
Ni-Cd batteries
mercury-containing batteries
alkaline batteries (except 16 06 03)
other batteries and accumulators
separately collected electrolyte from batteries and accumulators
wastes containing oil
wastes containing other dangerous substances
wastes not otherwise specified
spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08
spent catalysts containing dangerous transition metals (17) or dangerous transition metal compounds
spent catalysts containing transition metals or transition metal compounds not otherwise specified
spent fluid catalytic cracking catalysts (except 16 08 07)
spent catalysts containing phosphoric acid
spent liquids used as catalysts
spent catalysts contaminated with dangerous substances
permanganates, for example potassium permanganate
chromates, for example potassium chromate, potassium or sodium dichromate
peroxides, for example hydrogen peroxide
oxidising substances, not otherwise specified
aqueous liquid wastes containing dangerous substances
aqueous liquid wastes other than those mentioned in 16 10 01
aqueous concentrates containing dangerous substances
aqueous concentrates other than those mentioned in 16 10 03
carbon-based linings and refractories from metallurgical processes containing dangerous substances
carbon-based linings and refractories fronm metallurgical processes other than those mentioned in 16
other linings and refractories from metallurgical processes containing dangerous substances
other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
linings and refractories from non-metallurgical processes containing dangerous substances
linings and refractories from non-metallurgical processes other than those mentioned in 16 11 05
concrete
bricks
tiles and ceramics

mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substa
mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
wood
glass
plastic
glass, plastic and wood containing or contaminated with dangerous substances
bituminous mixtures containing coal tar
bituminous mixtures containing other than those mentioned in 17 03 01
coal tar and tarred products
copper, bronze, brass
aluminium
lead
zinc
iron and steel
tin
mixed metals
metal waste contaminated with dangerous substances
cables containing oil, coal tar and other dangerous substances
cables other than those mentioned in 17 04 10
soil and stones containing dangerous substances
soil and stones other than those mentioned in 17 05 03
dredging spoil containing dangerous substances
dredging spoil other than those mentioned 17 05 05
track ballast containing dangerous substances
track ballast other than those mentioned in 17 05 07
insulation materials containing asbestos
other insulation materials consisting of or containing dangerous substances
insulation materials other than those mentioned in 17 06 01 and 17 06 03
construction materials containing asbestos (18)
gypsum-based construction materials contaminated with dangerous substances
gypsum-based construction materials other than those mentioned in 17 08 01
construction and demolition wastes containing mercury
construction and demolition wastes containing pcb (for example pcb-containing sealants, pcb-containi
other construction and demolition wastes (including mixed wastes) containing dangerous substances
mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 0
sharps (except 18 01 03)
body parts and organs including blood bags and blood preserves (except 18 01 03)
wastes whose collection and disposal is subject to special requirements in order to prevent infection
wastes whose collection and disposal is not subject to special requirements in order to prevent infecti
chemicals consisting of or containing dangerous substances
chemicals other than those mentioned in 18 01 06
cytotoxic and cytostatic medicines
medicines other than those mentioned in 18 01 08
amalgam waste from dental care
sharps except (18 02 02)
wastes whose collection and disposal is subject to special requirements in order to prevent infection
wastes whose collection and disposal is not subject to special requirements in order to prevent infecti
chemicals consisting of or containing dangerous substances
chemicals other than those mentioned in 18 02 05
cytotoxic and cytostatic medicines
medicines other than those mentioned in 18 02 07
ferrous materials removed from bottom ash
filter cake from gas treatment
aqueous liquid wastes from gas treatment and other aqueous liquid wastes
solid wastes from gas treatment
spent activated carbon from flue-gas treatment

bottom ash and slag containing dangerous substances
bottom ash and slag other than those mentioned in 19 01 11
fly ash containing dangerous substances
fly ash other than those mentioned in 19 01 13
boiler dust containing dangerous substances
boiler dust other than those mentioned in 19 01 15
pyrolysis wastes containing dangerous substances
pyrolysis wastes other than those mentioned in 19 01 17
sands from fluidised beds
wastes not otherwise specified
premixed wastes composed only of non-hazardous wastes
premixed wastes composed of at least one hazardous waste
sludges from physico/chemical treatment containing dangerous substances
sludges from physico/chemical treatment other than those mentioned in 19 02 05
oil and concentrates from separation
liquid combustible wastes containing dangerous substances
solid combustible wastes containing dangerous substances
combustible wastes other than those mentioned in 19 02 08 and 19 02 09
other wastes containing dangerous substances
wastes not otherwise specified
wastes marked as hazardous, partly (20) stabilised
stabilised wastes other than those mentioned in 19 03 04
wastes marked as hazardous, solidified
solidified wastes other than those mentioned in 19 03 06
vitrified waste
fly ash and other flue-gas treatment wastes
non-vitrified solid phase
aqueous liquid wastes from vitrified waste tempering
non-composted fraction of municipal and similar wastes
non-composted fraction of animal and vegetable waste
off-specification compost
wastes not otherwise specified
liquor from anaerobic treatment of municipal waste
digestate from anaerobic treatment of municipal waste
liquor from anaerobic treatment of animal and vegetable waste
digestate from anaerobic treatment of animal and vegetable waste
wastes not otherwise specified
landfill leachate containing dangerous substances
landfill leachate other than those mentioned in 19 07 02
screenings
waste from desanding
sludges from treatment of urban waste water
saturated or spent ion exchange resins
solutions and sludges from regeneration of ion exchangers
membrane system waste containing heavy metals
grease and oil mixture from oil/water separation containing only edible oil and fats
grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
sludges containing dangerous substances from biological treatment of industrial waste water
sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
sludges containing dangerous substances from other treatment of industrial waste water
sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
wastes not otherwise specified
solid waste from primary filtration and screenings
sludges from water clarification
sludges from decarbonation
spent activated carbon

saturated or spent ion exchange resins
solutions and sludges from regeneration of ion exchangers
wastes not otherwise specified
iron and steel waste
non-ferrous waste
fluff-light fraction and dust containing dangerous substances
fluff-light fraction and dust other than those mentioned in 19 10 03
other fractions containing dangerous substances
other fractions other than those mentioned in 19 10 05
spent filter clays
acid tars
aqueous liquid wastes
wastes from cleaning of fuel with bases
sludges from on-site effluent treatment containing dangerous substances
sludges from on-site effluent treatment other than those mentioned in 19 11 05
wastes from flue-gas cleaning
wastes not otherwise specified
paper and cardboard
ferrous metal
non-ferrous metal
plastic and rubber
glass
wood containing dangerous substances
wood other than that mentioned in 19 12 06
textiles
minerals (for example sand, stones)
combustible waste (refuse derived fuel)
other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerc
other wastes (including mixtures of materials) from mechanical treatment of wastes other than those r
solid wastes from soil remediation containing dangerous substances
solid wastes from soil remediation other than those mentioned in 19 13 01
sludges from soil remediation containing dangerous substances
sludges from soil remediation other than those mentioned in 19 13 03
sludges from groundwater remediation containing dangerous substances
sludges from groundwater remediation other than those mentioned in 19 13 05
aqueous liquid wastes and aqueous concentrates from groundwater remediation containing dangerou
aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those me
paper and cardboard
glass
biodegradable kitchen and canteen waste
clothes
textiles
solvents
acids
alkalines
photochemicals
pesticides
fluorescent tubes and other mercury-containing waste
discarded equipment containing chlorofluorocarbons
edible oil and fat
oil and fat other than those mentioned in 20 01 25
paint, inks, adhesives and resins containing dangerous substances
paint, inks, adhesives and resins other than those mentioned in 20 01 27
detergents containing dangerous substances
detergents other than those mentioned in 20 01 29
cytotoxic and cytostatic medicines

medicines other than those mentioned in 20 01 31
batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and acc
batteries and accumulators other than those mentioned in 20 01 33
discarded electrical and electronic equipment other than those mentioned in 20 01 21 and and 20 01 2
discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 2
wood containing dangerous substances
wood other than that mentioned in 20 01 37
plastics
metals
wastes from chimney sweeping
other fractions not otherwise specified
biodegradable waste
soil and stones
other non-biodegradable wastes
mixed municipal waste
waste from markets
street-cleaning residues
septic tank sludge
waste from sewage cleaning
bulky waste
municipal wastes not otherwise specified

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) PROCESSING	23
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)US ENAMELS,) ADHESIVES, SEALANTS AND PRINTING INKS

METALLURGY

FIED

om immediate RESEARCH (except kitchen and restaurant wastes not arising from immediate health ca
WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE
SEPARATELY COLLECTED FRACTIONS

production; yeast and yeast extract production, molasses preparation and fermentation

‹cept 03 02) and other biocides

ıc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodising)

-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)

)ecified

Hazardous
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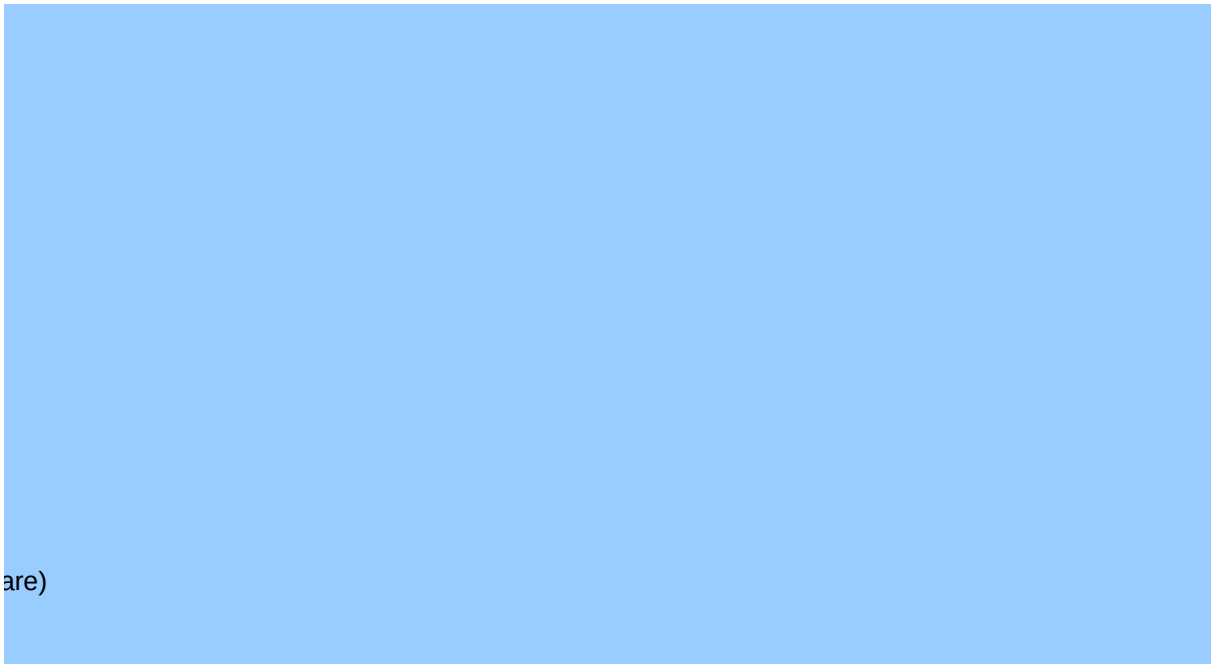

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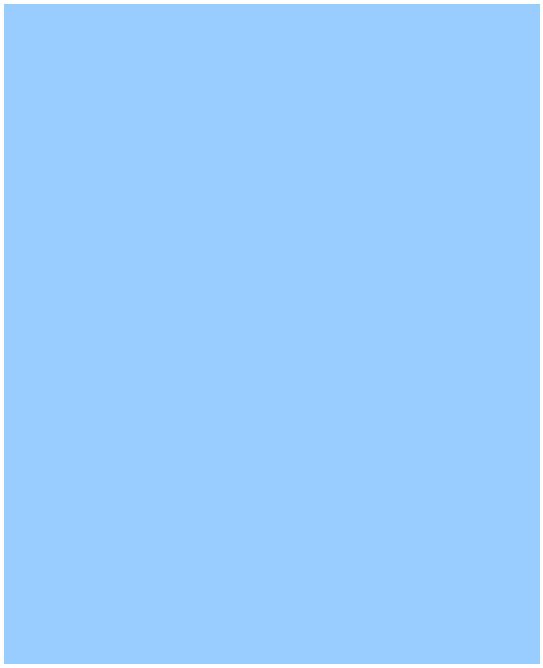

RD_Code
D1
D10
D11
D12
D13
D14
D15
D2
D3
D4
D5
D6
D7
D8

D9

R1

R10

R11

R12

R13

R2

R3

R4

R5

R6

R7

R8

R9

RD_Description

Landfill

Deposit into or onto land, (e.g. landfill, etc.)

- deposit of overburden, waste rock and tailings on heaps in the extractive industry.

Incineration on land

- municipal solid waste incineration plants for incineration of MSW, hazardous waste, sewage sludge, clinical waste, animal carcasses.

Incineration at sea

This operation is prohibited by EU legislation and international conventions.

Permanent storage

Permanent storage (e.g. emplacement of containers in a mine, etc.)

- landfills for the underground storage of waste.

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

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

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)).

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.

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.

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.

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.

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.

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).

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 minicipal waste; biological treatment of contaminated soil; sludges or mineral wastes, if followed by disposal

Physico chemical treatment
Physico chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1-D12 (e.g. evaporation, drying, calcination, neutralization, precipitation, etc.)
-physico-chemical treatment is typically deployed for: 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.
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.
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.
Use of residuals
Uses of residual materials obtained from any of the operations numbered R1-R10
- energy recovery of sorting residues, shredder light fraction, or distillation sludge from oil-refining; the use of slag from co-incineration for underground stowage.
Waste Exchange prior to recovery
Exchange of wastes for submission to any of the operations numbered R1-R11
- 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.
Storage prior to recovery
Accumulation of material intended for any operation numbered R1-R12
- interim storage of waste prior to recovery is limited to a period of <3 years, otherwise storage is subject to provisions of Landfill Directive.
Solvent reclamation/regeneration
- 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.
Organic substance recycling/reclamation
Recycling/reclamation of organic substances which are not used as solvents
- 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).
Metal recycling/reclamation
Recycling/reclamation of metals and metal compounds
- 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.
Inorganic substance recycling/reclamation
Recycling/reclamation of other inorganic materials
- 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.
Regeneration of acids or bases
- re-concentration of spent acids; the thermal decomposition of spent sulphuric acid for use as feedstock in sulphuric acid production.

Recovery of components used for pollution abatement
- regeneration of activated carbon from water purification and flue gas treatment, mainly by thermal treatment; the regeneration of resins by solvent washing.
Recovery of components from catalysts
-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.
Used oil re-refining or other reuses of previously used oil
- 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.

RD_Type
Disposal
Disposal
Disposal
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Disposal

Disposal

Recovery

Recovery

Recovery

Recovery

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Recovery

Recovery

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

Methods used for determination of releases to air: Method Identification

For each parameter please click on the Method Code that applies. Please take note of the appropriate **Method Categ** table.

Method Code	M/C/E	Where this code is applicable
ISO 10397:1993	M	Asbestos
ISO 11338-1 to 2:2003	M	Anthracene, polycyclic aromatic hydrocarbons (PAHs) & flouranthene
EN 14385:2004	M	(Arsenic, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Lead, Antimony, Thallium, Vanadium and Zinc) & Compounds
EN 15058:2004	M	Carbon Monoxide (CO)
ISO 12039:2001	M	Carbon Monoxide (CO) & Carbon Dioxide (CO2)
EN 1911-1 to 3:2003	M	Chlorine & Inorganic Compounds (as HCl)
ISO/DIS 15713:2004	M	Fluorine & Inorganic Compounds (as HF)
EN 13211:2001	M	Mercury & Compounds (as Hg)
EN 14884:2005	M	Mercury & Compounds (as Hg)
EN 14792:2005	M	Nitrogen Oxides (Nox/NO2)
ISO 11564:1998	M	Nitrogen Oxides (Nox/NO2)
ISO 10849:1996	M	Nitrogen Oxides (Nox/NO2)
EN 13649:2001	M	Non-Methane Volatile Organic (NMVOC) & Benzene
EN 1948-1 to3:2003	M	PCDD + PCDF(dioxins + furans) (as Teq),
EN 14791:2005	M	Sulphur Oxides (Sox/SO2)
ISO 7934:1989	M	Sulphur Oxides (Sox/SO2)
ISO 7935: 1992	M	Sulphur Oxides (Sox/SO2)
ISO 11632:1998	M	Sulphur Oxides (Sox/SO2)
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.
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.
ETS	C	If a facility is registered as part of the Emission Trading Scheme.
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.
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.
NRB	M/C	Not Applicable to Irish Licenses.
MAB	C	Used for the calculation of fugitive emissions.
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.

Methods used for determination of releases to water & waste water or se

For each parameter please click on the Method Code that applies. Please take note of the appropriate **Method Categ** table

Method Code	M/C/E	Where this code is applicable
EN ISO 10301:1997	M	1,2-dichloroethane (EDC), dichloromethane (DCM)
EN ISO 15680:2003	M	1,2-dichloroethane (EDC), dichloromethane (DCM), tetrachloroethlyene (PER), trichlorobenzenes (TCBs) (all isomers), trichloroethlene, trichloromethane, vinyl chloride, benzene, ethyl benzene, naphthalene, toluene, xylenes
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)
EN ISO 17993:2003	M	Anthracene, naphthalene, polycyclic aromatic hydrocarbons (PAHs), flouranthene, benzo(g,h,i)perylene
EN ISO 11969:1996	M	Arsenic & Compounds (as As)
EN 26595:1992	M	Arsenic & Compounds (as As)
EN ISO 10695:2000	M	Atrazine, Simanzine
EN ISO 11423-1 to 2:1997,	M	Benzene
ISO 22032	M	Brominated Biphenylethers (PBDE)
EN ISO 5961:1995	M	Cadmium & Compounds(as Cd)
EN ISO 15682:2001	M	Chlorides (as total Cl)
EN ISO 10304-1 to 4:1995	M	Chlorides (as total Cl), Fluorides (as total F)
EN 1233:1996	M	Chromium & (as Cr)
EN ISO 14403:2002	M	Cyanides (as total CN)
EN ISO 18856:2005	M	Di-(2-ethyl hexyl) phthalate (DEHP)
EN ISO 11369:1997	M	Diuron, Simazine
EN ISO 9562:2004	M	Halogenated Organics (as AOX)
EN 1483:1997	M	Mercury & Compounds (as Hg)
EN 12338:1998	M	Mercury & Compounds (as Hg)
EN 13506:2001	M	Mercury & Compounds (as Hg)
EN ISO 17353:2005	M	Organotin (as total Sn), Tributyltin, Triphenyltin & Compounds
ISO 18073:2004	M	PCDD + PCDF (dioxins + furans) (as Teq)
ISO 18857-1:2005	M	Phenols (as total C)
ISO 7981-1 to 2:2005	M	Polycyclic Aromatic Hydrocarbons (PAHs)
EN 1484:1997	M	Total Organic Carbon (TOC) (as total C or COD/3)
EN 12260:2003	M	Total Nitrogen
EN ISO 11905-1:1998	M	
EN ISO 15681-1 to 2:2004	M	Total Phosphorous
EN ISO 11885:1997	M	Total Phosphorous, Cadmium& compounds, Chromium & Compounds, Copper & Compounds, Nickel & Compounds, Lead & Compounds and Zinc & Compounds.
EN ISO 6878:2004	M	Total Phosphorous
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.
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.
ETS	C	If a facility is registered as part of the Emission Trading Scheme.
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.

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.
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Codes

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Name of the non-ISO/CEN Standard
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Brief & specific description of the method / Calculation used.
Name of the prescribed standard
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Brief & specific description of the Calculation used.
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Name of the prescribed standard
-
Brief & specific description of the Calculation used.
-
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

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 Facil
This will validate the workbook and prompt you to enter a location for creating the XML AER Return file (C:\ by
You can either accept the default path or enter a different path where the file will be created, then click the OK
Once the file has been created a message will be displayed containing further instructions (Make a note of the
You will then be redirected to the AER returns website where you must first login and then attach your XML file
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

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

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 sho

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 grou
The third section (Section C) provides an area to fill in Licensed pollutants

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 works
Next, enter the quantities of release for this pollutant under Emission Point 1
This will appear in the Total Quantity cell also
If any Accidental or Fugitive releases for this pollutant are applicable then enter these under the Accidental or F
If you have releases from more than one Emission Point then you can add additional points by clicking on the A
This will add an additional Emission Point column to the right of the last one (A maximum of 9 points can be us
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 buttor
If you have no releases for a particular section then do not enter any pollutant or related data into the section - I

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 grou
The third section (Section C) provides an area to fill in Licensed pollutants

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 works
Next, enter the quantities of release for this pollutant under Emission Point 1
This will appear in the Total Quantity cell also
If any Accidental or Fugitive releases for this pollutant are applicable then enter these under the Accidental or F
If you have releases from more than one Emission Point then you can add additional points by clicking on the A
This will add an additional Emission Point column to the right of the last one (A maximum of 9 points can be us
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 buttor
If you have no releases for a particular section then do not enter any pollutant or related data into the section - I

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

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 works
Next, enter the quantities of release for this pollutant under Emission Point 1
This will appear in the Total Quantity cell also
If any Accidental or Fugitive releases for this pollutant are applicable then enter these under the Accidental or F
If you have releases from more than one Emission Point then you can add additional points by clicking on the A
This will add an additional Emission Point column to the right of the last one (A maximum of 9 points can be us
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 buttor

If you have no releases for a particular section then do not enter any pollutant or related data into the section - l

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

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 works
Next, enter the quantities of release for this pollutant under Emission Point 1
This will appear in the Total Quantity cell also
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 A
This will add an additional Emission Point column to the right of the last one (A maximum of 9 points can be us
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 buttor
If you have no releases for a particular section then do not enter any pollutant or related data into the section - l

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 Ot
Next, select the EWC (European Waste Code) by double-clicking on the EWC cell for the record you are filling
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
To select a code double-click on it where you will then be brought to the next section of codes under the selecte
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 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
Enter the name of the recoverer/disposer
Enter the address of the recoverer/disposer
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 buttor
If you have no waste data to enter then do not enter any waste or related data into this worksheet - leave it blar

Ref. - NACE Codes
This worksheet contains reference information for NACE codes

Ref. PRTR Activities
This worksheet contains reference information for PRTR Class Activities

Ref. PRTR Pollutants
This worksheet contains reference information for PRTR Pollutants

Ref. Licensed Pollutants
This worksheet contains reference information for Licensed Pollutants

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

Ref. RecovererDisposer Codes
This worksheet contains reference information for Recoverer and Disposer Codes

Ref. Methods Used
This worksheet contains reference information for Methods Used

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Click here for PRTR Class Activities Reference

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Click here for Licensed Pollutants Reference

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Click here for Waste Codes Reference

Back to top
Click here for Recoverer/Disposer Codes Reference

Back to top
Click here for Methods Used Reference

Please enter details below then c
Name of Recoverer / Disposer / Next Destination Facility
Licence / Permit No. of Recoverer / Disposer / Next Destination Facility
Address of Recoverer / Disposer
Address 1 / Street name
Address 2 / Building number
Address 3 / City name
Address 4 / Postcode
Country

Alternatively, please select from
Name and License / Permit No.
O' Briens Skip Hire,WFP-CK-11-0(
Cork Recycling Co,.
Waste Recovery Services,.
Crossmore Transport,.
NMP Approved Landbanks,Approv
Remondis,21/Fo/Tho-G61/93
Clonmel Waste,.
Cork Metal,WFP-CK-10-0067-01-A
Hannond Lane Metal,WP-173-200
Pouladuff Car Dismantlers,WCP-C
Cremins Compost,WFP/LK/2012/2
Carlow Co. Co,.
Greenstar Fassaroe,W0053-03
Greenstar Waterford,W0116-02
Limerick Co. Co,.
Scarriff,.
Thorntons Waste,W0044-02 / WP
Gannon Eco,.
Munster Waste mgt,.

:lick the OK button

/ Next Destination Facility Please enter a full stop

previously entered details by clicking on the row below then click OK

Address of Recoverer / Disposer / Broker
Midleton,.,Co. Cork,N/A,Ireland
Cork,.,.,.,Ireland
Fermoy,Cork,.,.,Ireland
.,.,.,.,Ireland
.,.,.,.,Ireland
Luenen ,.,.,.,Germany
Clonmel,Co. Tipperary,.,.,Ireland
Dublin Hill,.,Cork,.,Ireland
Athlone ,.,Co. Westmeath,.,Ireland
Pouladuff,.,Co. Cork,.,Ireland
Coolaleen,.,Co. Limerick,.,Ireland
.,.,.,.,Ireland
Bray,.,Co. Wicklow,.,Ireland
Six Cross Roads ,.,Co. Waterford,.,Ireland
.,.,.,Co. Limerick,Ireland
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.,.,Dublin,.,Ireland
Cork,.,.,.,Ireland
.,.,.,.,Ireland

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Please enter details below then cli

Name of Final Recoverer / Disposer
License / Permit No. of Final Recoverer / Disposer
Address of Final Recoverer / Dispo
Address 1 / Street name
Address 2 / Building number
Address 3 / City name
Address 4 / Postcode
Country
Address of Actual Recovery / Disp
Address 1 / Street name
Address 2 / Building number
Address 3 / City name
Address 4 / Postcode
Country

Alternatively, please select from p
Name and License / Permit No.

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osal Site

reviously entered details by clicking on the row below then clicl

Address of Final Recoverer / Disposer

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

x OK
Address of Actual Recovery / Disposal Site

Previous years data is correct as at 25/08/2016 14:08

Release_To	Year	Pollutant_Number	Pollutant_Description	M_C_E	Method_Code
Air	2014	2	Carbon monoxide (CO)	M	EN 15058:2004
Air	2014	6	Ammonia (NH3)	M	EN 13649:2001
Air	2014	8	Nitrogen oxides (NOx/NO2)	M	EN 14792:2005
Air	2014	11	Sulphur oxides (SOx/SO2)	M	EN 14791:2005

Method_Description	Total
	9.81
	0.000003248
	8870
	3909

Previous years data is correct as at 25/08/2016 14:08

Year	Destination	EWC	Hazardous	Total
2014	Within the Country	10 01 01	N	54.22
2014	Within the Country	15 01 01	N	102.54
2014	Within the Country	15 01 01	N	5.3
2014	Within the Country	15 01 02	N	13.72
2014	Within the Country	15 01 02	N	17.06
2014	Within the Country	15 01 02	N	10.72
2014	Within the Country	16 01 03	N	5.48
2014	Within the Country	19 08 05	N	5955.38
2014	To Other Countries	19 08 12	N	379.07
2014	Within the Country	20 01 08	N	1346.38
2014	Within the Country	20 01 40	N	15.6
2014	Within the Country	20 01 40	N	95.44
2014	Within the Country	20 01 40	N	4.8
2014	Within the Country	20 01 40	N	13.011
2014	Within the Country	20 02 01	N	7.98
2014	Within the Country	20 03 01	N	217.68
2014	Within the Country	20 03 01	N	28.48
2014	Within the Country	20 03 01	N	5472.36
2014	Within the Country	20 03 01	N	1840.42
2014	Within the Country	20 03 01	N	784.46
2014	Within the Country	20 03 01	N	1125.46
2014	Within the Country	20 03 01	N	59.84
2014	Within the Country	20 03 07	N	441.2
2014	Within the Country	20 03 07	N	15.4
2014	Within the Country	20 03 07	N	40.98
2014	Within the Country	20 03 07	N	7.2
2014	Within the Country	20 03 07	N	5.98

Description
bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
paper and cardboard packaging
paper and cardboard packaging
plastic packaging
plastic packaging
plastic packaging
end-of-life tyres
sludges from treatment of urban waste water
sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
biodegradable kitchen and canteen waste
metals
metals
metals
metals
biodegradable waste
mixed municipal waste
mixed municipal waste
mixed municipal waste
mixed municipal waste
mixed municipal waste
mixed municipal waste
mixed municipal waste
bulky waste
bulky waste
bulky waste
bulky waste
bulky waste

TreatmentOperation	M_C_E	MethodCode	TreatmentLocation
D1	M	Weighed	Offsite in Ireland
R3	M	Weighed	Offsite in Ireland
R3	M	Weighed	Offsite in Ireland
R3	M	Weighed	Offsite in Ireland
R3	M	Weighed	Offsite in Ireland
R3	M	Weighed	Offsite in Ireland
R13	M	Weighed	Offsite in Ireland
R10	M	Weighed	Offsite in Ireland
R1	M	Weighed	Abroad
R3	M	Weighed	Offsite in Ireland
R4	M	Weighed	Offsite in Ireland
R4	M	Weighed	Offsite in Ireland
R4	M	Weighed	Offsite in Ireland
R4	M	Weighed	Offsite in Ireland
R3	M	Weighed	Offsite in Ireland
R13	M	Weighed	Offsite in Ireland
R13	M	Weighed	Offsite in Ireland
R13	M	Weighed	Offsite in Ireland
R13	M	Weighed	Offsite in Ireland
R13	M	Weighed	Offsite in Ireland
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R13	M	Weighed	Offsite in Ireland
R13	M	Weighed	Offsite in Ireland
R13	M	Weighed	Offsite in Ireland
R13	M	Weighed	Offsite in Ireland

Name_Licence_Permit_No	Address
O' Briens Skip Hire,WFP-CK-11-0094-03	Midleton,.,Co. Cork,N/A,Ireland
Cork Recycling Co,.	Cork,.,.,.,Ireland
Waste Recovery Services,.	Fermoy,Cork,.,.,Ireland
Cork Recycling Co,.	Cork,.,.,.,Ireland
Cork Recycling Co,.	Cork,.,.,.,Ireland
Waste Recovery Services,.	Fermoy,Cork,.,.,Ireland
Crossmore Transport,.	.,.,.,.,Ireland
NMP Approved Landbanks,Approved Landbanks	.,.,.,.,Ireland
Remondis,21/Fo/Tho-G61/93	Luenen ,.,.,.,Germany
Clonmel Waste,.	Clonmel,Co. Tipperary,.,.,Ireland
Cork Metal,WFP-CK-10-0067-01-A1	Dublin Hill,.,Cork,.,Ireland
Hannond Lane Metal,WP-173-2008	Athlone ,.,Co. Westmeath,.,Ireland
O' Briens Skip Hire,WFP-CK-11-0094-03	Midleton,.,Co. Cork,N/A,Ireland
Pouladuff Car Dismantlers,WCP-CK-08-0584-01	Pouladuff,.,Co. Cork,.,Ireland
Cremins Compost,WFP/LK/2012/23A/R2	Coolaleen,.,Co. Limerick,.,Ireland
Carlow Co. Co,.	.,.,.,.,Ireland
Clonmel Waste,.	Clonmel,Co. Tipperary,.,.,Ireland
Greenstar Fassaroe,W0053-03	Bray,.,Co. Wicklow,.,Ireland
Greenstar Waterford,W0116-02	Six Cross Roads ,.,Co. Waterford,.,Ireland
Limerick Co. Co,.	.,.,.,Co. Limerick,Ireland
Scarriff,.	.,.,.,.,Ireland
Thorntons Waste,W0044-02 / WP 291 -2007	.,.,Dublin,.,Ireland
Carlow Co. Co,.	.,.,.,.,Ireland
Gannon Eco,.	Cork,.,.,.,Ireland
Limerick Co. Co,.	.,.,.,Co. Limerick,Ireland
Munster Waste mgt,.	.,.,.,.,Ireland
Thorntons Waste,W0044-02 / WP 291 -2007	.,.,Dublin,.,Ireland

Final_Recoverer_Disposer	Actual_Address_Final_Destination

Previous years data is correct as at 25/08/2016 14:08

Type of Waste	Previous Year Total
Hazardous Waste inside the country for disposal	0
Hazardous Waste inside the country for recovery	0
Hazardous Waste outside the country for disposal	0
Hazardous Waste outside the country for recovery	0
Non-Hazardous Waste for disposal	54.22
Non-Hazardous Waste for recovery	18011.941

Current Year Total	Percentage Change
0	0
0	0
0	0
0	0
61.88	14.12762818
5216.8	-71.03699152