

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Veolia ES (UK) Limited
Redbournbury Treatment Plant
Redbourn Road
St Albans
Hertfordshire
AL3 6RP

Variation application number

EPR/BW3281IA/V006

Permit number

EPR/BW3281IA

Redbournbury Treatment Plant

Permit number EPR/BW3281IA

Introductory note

This introductory note does not form a part of the permit

Under the Environmental Permitting (England & Wales) Regulations 2016 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made. All the conditions of the permit have been varied and are subject to the right of appeal.

This permit variation has been issued to implement guidance “Chemical waste: appropriate measures for permitted facilities” and “Non-hazardous and inert waste: appropriate measures for permitted facilities”.

Changes introduced by this variation notice/statutory review

The Industrial Emissions Directive (IED) came into force on 7 January 2014 with the requirement to implement all relevant Best Available Techniques (BAT) Conclusions as described in the Commission Implementing Decision. Article 21(3) of the IED requires the Environment Agency to review conditions in permits that it has issued and to ensure that the permit delivers compliance with relevant standards, within four years of the publication of updated decisions on Best Available Techniques (BAT) Conclusions. The BAT Conclusions for Waste Treatment (the BREF) was published on 17 August 2018 following a European Union wide review of BAT, implementing decision (EU) 2018/1147 of 10 August 2018.

On 18 November 2020, Chemical waste: appropriate measures for permitted facilities guidance was published on gov.uk. The guidance explains the standards that are relevant to regulated facilities with an environmental permit to treat or transfer chemical waste, providing indicative BAT for those sites. In addition, on 12 July 2021, non-hazardous and inert waste: appropriate measures for permitted facilities was published on gov.uk. The guidance explains the standards that are relevant to regulated facilities with an environmental permit to treat or transfer non-hazardous and inert wastes, providing indicative BAT for those sites.

This permit variation has been issued to update some of the conditions following a statutory review of the permits in the chemical waste treatment and transfer sector and non-hazardous treatment and transfer sector and to implement the appropriate measures guidance. The opportunity has also been taken to consolidate the original permit and subsequent variations where appropriate.

Brief description of the process

The regulated facility comprises:

- treatment of hazardous waste;
- treatment of non-hazardous waste;
- temporary storage of hazardous waste;
- temporary storage of non-hazardous waste;
- raw material storage;
- tanker washing;
- operation of abatement systems;
- process water collection and storage.

Treatment of waste includes:

- recovery of oils, by phase separation of all wastes contaminated with oil. Wastes with EWC codes that do not include 'oil' in their description can still contain small percentages of oil and the treatment processes on site aim to recover these;
- pH adjustment, neutralisation, precipitation, separation, and filtration of hazardous waste for disposal to produce effluent and filter cake for disposal. The co-treatment of hazardous and non-hazardous waste.

Other site-specific information:

- Treatment involves pH correction and settlement to allow the formation of a sludge and an aqueous phase. The aqueous phase is discharged for further settlement, and the sludge phase is subject to dewatering by two filter presses. The filtrate joins the aqueous phase before being discharged to sewer subject to a trade effluent consent. Filter cake from the dewatering process is sent off-site for disposal.
- To facilitate the pH correction and settlement treatment processes, the site uses co-treatment of hazardous and non-hazardous wastes for simultaneous treatment of the properties of these wastes. At no stage is non-hazardous waste treated alone or treated with other non-hazardous wastes in absence of hazardous waste.
- The site also treats water containing small quantities of oil. This is separated in the facility using the reception tank and the oil is recovered and sent off site.
- The site has point source emissions to air from the tanks which vent via a dust filtration and liquid absorption scrubbing system.
- The site is only permitted to take waste delivered in bulk and has no storage for drummed waste.
- The site is situated in a former chalk quarry, 2km northwest of Redbourn village. The nearest human receptor is located 500m away. The River Ver is located 500m away. There are no statutory designations within 10km of the site. There are 12 sensitive ecological sites of interest within 10 km, both local wildlife sites and ancient woodlands.
- The site sits on a major aquifer from which there are a number of potable abstractions within 2km. Protection of this aquifer is provided by an impermeable surface which is overlain by a concrete surface with sealed drainage.
- The site has an EMS suitably audited and certificated ISO 14001 Standard, ISO 9001, and ISO 45001.

The schedules specify the changes made to the permit.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	Date	Comments
Application BW3281IA/A001	03/08/2005	
Response to request for information	13/09/2005 & 20/10/2005	
Response to request for information	14/10/2005	
Response to request for information	24/10/2005	
Response to request for information	29/10/2005	
Response to request for information	04/11/2005	
Response to request for information	16/11/2005	

Status log of the permit		
Description	Date	Comments
Request to extend determination	05/12/2005	
Response to request for information	22/12/2005	
Permit determined (Billing reference BW3281IA)	17/03/2006	
Site Protection and Monitoring Programme in accordance with condition 2.8.1	07/06/2006	
An assessment of the adequacy of the containment measures in accordance with Improvement Condition 2	30/06/2006	
Produce and implement written procedures and install necessary infrastructure to cover the storage and treatment of tanker wash sludge and pre-treatment and storage of oil contaminated sludges	30/06/2006	
Permit variation application BW3281IA/V002	29/06/2006	
Date of effect of variation	14/08/2006	
Agency variation determined Application BW3281IA/V003	12/03/2014	Agency variation to implement the changes introduced by IED.
Application EPR/BW3281IA/V004	Duly made 29/10/2014	Application to vary and consolidate previous variations
Variation determined EPR/BW3281IA	20/01/2015	Varied permit issued.
Application EPR/BW3281IA/V005 (variation and consolidation)	Duly made 12/12/2018	Variation application to add a new reaction tank (R3) and update the permit to modern conditions.
Additional information	30/01/2019	Jetting calculations for tank R3
Additional information	04/02/2019	Hazardous property codes accepted on site and bund capacity taken up by infrastructure.
Variation determined EPR/BW3281IA	01/03/2019	Varied permit issued.
Permit review- Regulation 61 Notice sent to Operator	15/11/2021	Regulation 61 Notice requiring information for statutory review of permit.
Permit review – Regulation 61 Notice response	14/05/2025	Response received from the operator.
Permit Review – Application (variation and consolidation) EPR/BW3281IA/V006	Environment Agency Initiated Variation	Statutory review of permit occasioned by Waste Treatment BAT Conclusions published on 17 August 2018 and Chemical waste: appropriate measures for permitted facilities published 18 November 2020 and Non-hazardous and inert waste: appropriate measures for permitted facilities published 12 July 2021
Additional information received in response to the Request for	29/08/2025 & 26/09/2025	Submission of reviewed waste codes and further information on on-site processes.

Status log of the permit		
Description	Date	Comments
Further Information (RFI) dated 16/07/2025		
Additional information received in response to the second Request for Further Information (RFI) dated 17/11/2025	30/01/2026	Submission of reviewed waste codes and further information on on-site processes.
Additional information received.	15/04/2026	Submission of information regarding unenclosed storage tanks.
Environment Agency Waste Treatment Sector Review Permit reviewed Variation determined EPR/BW3281IA/V006	25/08/2026	Varied and consolidated permit issued.

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies and consolidates

Permit number

EPR/BW3281IA

Issued to

Veolia ES (UK) Limited ("the operator")

whose registered office is

210 Pentonville Road

London

N1 9JY

company registration number **02481991**

to operate a regulated facility at

Redbournbury Treatment Plant

Redbourn Road

St Albans

Hertfordshire

AL3 6RP

to the extent set out in the schedules.

The notice shall take effect from 25/08/2026

Name	Date
Hannah Finney	25/08/2026

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit as a result of an Environment Agency initiated variation.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/BW3281IA

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/BW3281IA/V006 authorising,

Veolia ES (UK) Limited ("the operator"),

whose registered office is

210 Pentonville Road

London

N1 9JY

company registration number **02481991**

to operate an installation

Redbournbury Treatment Plant

Redbourn Road

St Albans

Hertfordshire

AL3 6RP

to the extent authorised by and subject to the conditions of this permit.

Name	Date
Hannah Finney	25/08/2026

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme.

1.2 Energy efficiency

- 1.2.1 The operator shall:
- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
 - (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
 - (c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

- 1.3.1 The operator shall:
- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
 - (b) maintain records of raw materials and water used in the activities;
 - (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
 - (d) take any further appropriate measures identified by a review.

1.4 Avoidance, recovery and disposal of wastes produced by the activities

- 1.4.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
 - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
 - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

- 1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).
- 2.1.2 Waste authorised by this permit shall be clearly distinguished from any other waste on the site.

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in red on the site plan Figure 1 at Schedule 7 to this permit.

2.3 Operating techniques

- 2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation (“plan”) specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.4 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 table(s) S2.2, S2.3, S2.4, and S2.5; and
 - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.5 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
- (a) the nature of the process producing the waste;
 - (b) the composition of the waste;
 - (c) the handling requirements of the waste;
 - (d) the hazardous property associated with the waste, if applicable; and
 - (e) the waste code of the waste.
- 2.3.6 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.4 Hazardous waste storage and treatment

- 2.4.1 Hazardous waste shall not be mixed, either with a different category of hazardous waste or with other waste, substances or materials, unless it is authorised by schedule 1 table S1.1 and appropriate measures are taken.

2.5 Improvement programme

- 2.5.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.
- 2.5.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1, and S3.2.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
 - (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
 - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.3.2 The operator shall:
 - (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4 Noise and vibration

- 3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.
- 3.4.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
 - (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Monitoring

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
- (a) point source emissions specified in tables S3.1 and S3.2;
 - (b) Other monitoring requirements specified in table S3.3;
 - (c) process monitoring specified in table S3.4;
- 3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1, S3.2, and S3.3 unless otherwise agreed in writing by the Environment Agency.

3.6 Pests

- 3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.
- 3.6.2 The operator shall:
- (a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution from pests;
 - (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.7 Fire prevention

- 3.7.1 The operator shall take all appropriate measures to prevent fires on site and minimise the risk of pollution from them including, but not limited to, those specified in any approved fire prevention plan.
- 3.7.2 The operator shall:
- (c) if notified by the Environment Agency that the activities are giving rise to a risk of fire, submit to the Environment Agency for approval within the period specified, a fire prevention plan which prevents fires and minimises the risk of pollution from fires;
 - (d) implement the fire prevention plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

- 4.1.1 All records required to be made by this permit shall:
- (a) be legible;
 - (b) be made as soon as reasonably practicable;
 - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
 - (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.
- 4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:
- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
 - (b) the annual production/treatment data set out in schedule 4 table S4.2; and
 - (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.
- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
 - (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4; and

- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.2.5 Within 1 month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

4.3 Notifications

4.3.1 In the event:

- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
 - (i) inform the Environment Agency,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents;
- (b) of a breach of any permit condition the operator must immediately—
 - (i) inform the Environment Agency, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (c) any change in the operator's name or address; and
- (d) any steps taken with a view to the dissolution of the operator.

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) the Environment Agency shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

4.3.6 The Environment Agency shall be given at least 14 days' notice before implementation of any part of the site closure plan.

4.4 Interpretation

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "immediately", in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
AR1	Section 5.3 A(1) (a) (ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment	Neutralisation, precipitation, gravity separation, and filtration of wastes D9: Physico-chemical treatment not specified elsewhere which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12	From treatment of water-based waste by pH adjustment, neutralisation, and precipitation in treatment tanks R1, R2, and R3, solid-phase separation in sludge thickener tank, and filtration in the filter press (shown in Figure 2 schedule 7), to storage of treated filter cake and effluent awaiting discharge and transfer for disposal. No more than 415 tonnes per day of hazardous and non-hazardous waste shall be treated in aggregate with AR3. The following wastes shall not be blended or mixed: - wastes which could be recovered with other wastes if this means that the waste must now be sent for disposal or a lower form of recovery - wastes containing Persistent Organic Pollutants (POPs) being mixed solely to generate a mixture below the defined low POPs content - waste to deliberately dilute it Treatment shall take place in a dedicated area in enclosed plant using local exhaust ventilation and abatement on an impermeable surface with sealed drainage. Treated solid waste cake shall be stored under cover in sealed skips prior to transfer off-site for disposal. Treated effluent shall be stored in tanks E1 and E2 prior to discharge to sewer. All treated waste shall be stored on an impermeable surface with sealed drainage for no longer than 6 months. No more than 150 tonnes of waste cake shall be stored on site at any one time prior to transfer off-site for disposal.

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
			No more than 285 tonnes of treated effluent shall be stored on site at any one time prior to discharge to sewer. No waste types shall be submitted to this activity other than those wastes specified in schedule 2, Table S2.2, Table S2.3, and aqueous wastes produced by AR3 that do not contain oil.
AR2	Section 5.6 A(1) (a) Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes.	Temporary storage of hazardous waste. R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced). D15 Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where the waste is produced).	From receipt and storage of hazardous waste on site to its treatment or its transfer off-site. The amount of hazardous and non-hazardous waste stored on site in aggregate at any one time shall not exceed 1,350 tonnes. Hazardous wastes shall be stored in tanks S1, S2, S3, S4, and A/STO. Water-based liquid wastes free from oil may be stored in tanks S2, S3, S4, and A/STO. Waste shall be stored on impermeable surfacing with sealed draining. Waste shall not be stored in vehicles or vehicle trailers, unless they are being received for imminent transfer (that is, they will be removed from site within 24 hours, or 72 hours if over a weekend). All wastes shall be stored on site for no longer than 6 months. Notwithstanding the limits given above, where a shorter storage time period is given in an agreed management plan then that time period shall take precedence. No waste types shall be submitted to this activity other than those hazardous wastes specified in schedule 2, table S2.4.
AR3	Section 5.3 A(1) a) (ii): Disposal or recovery of hazardous waste with	Immiscible organic phase separation of waste oil.	From treatment of hazardous wastes containing oils by phase separation in tank S1 (shown in Figure 2 Schedule

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
	a capacity exceeding 10 tonnes per day involving physico-chemical treatment.	R3 Recycling/reclamation of organic substances which are not used as solvents	7) to storage of bulked oils awaiting transfer for recovery. No more than 415 tonnes per day of hazardous and non-hazardous waste shall be treated in aggregate with AR1. The following wastes shall not be blended or mixed: - wastes which react with one another - wastes which could be recovered with other wastes if this means that the waste must now be sent for disposal or a lower form of recovery - oils where this could negatively affect their regeneration or recycling - wastes containing Persistent Organic Pollutants (POPs) being mixed solely to generate a mixture below the defined low POPs content - waste to deliberately dilute it Treatment shall take place in enclosed plant with abatement on an impermeable surface with sealed drainage. Separated oil shall be stored in tank S1 prior to transfer for off-site recovery on an impermeable surface with sealed drainage for no longer than 6 months. No more than 50 tonnes of waste oil shall be stored on site at any one time. No waste types shall be submitted to this activity other than those hazardous wastes contaminated with oil specified in schedule 2, table S2.5.
Directly Associated Activity			
AR4	Storage of non-hazardous waste.	Storage of non-hazardous waste pending co-treatment under AR1 D15 Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending	From receipt and storage of non-hazardous waste on site to its use onsite. The amount of non-hazardous and hazardous waste stored on site in

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
		collection, on the site where the waste is produced).	aggregate at any one time shall not exceed 415 tonnes. Wastes shall be stored in tanks S2, S3, and S4 as shown on the site plan in Figure 2 Schedule 7. All waste shall be stored on an impermeable surface with sealed drainage. No waste types shall be submitted to this activity other than those non-hazardous wastes specified in schedule 2, table S2.3.
AR5	Raw material handling and storage.	Raw material handling and storage.	From receipt and storage to point of use.
AR6	Tanker washing	Washing of residues from transportation tankers after delivery of wastes onto site using water.	From the washing of residues to the storage of residues awaiting treatment.
AR7	Abatement system.	Chemical absorption scrubber serving activity AR1.	From the input of air to the abatement system to emission to air.
AR8	Process water collection and storage	Collection and storage of process water from AR1 treatment process in a 285-tonne collection tank.	From the collection of process water from treatment process AR1 to the discharge to sewer.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Waste Hierarchy	The response is given in file 1 section B2.1.4 – B2.1.6 and file 2 item 4	03/08/2005
Pre-acceptance procedure to assess waste	The response is given in file 1 section B2.1.7 – B2.1.9 and file 2 item 4	03/08/2005
Acceptance procedures when waste arrives at the installation	The response is given in file 1 section B2.1.7 – B2.1.9 and file 2 item 5 and item 6.	03/08/2005
Waste Storage	The responses are referenced in section 2.1.10 to 2.1.19. The permit excludes the answer to question B2.1.12 and 2.1.18. The wastes described in File 2 item 2 shall be excluded and replaced with list of waste types in schedule 6 of this permit.	03/08/2005
Waste Treatment	Plans are given in file 3 item 2 and 3. Responses are given in file 2 items 2, 3, 4, 5, 10, 13 and 16. Also in file 1 section B2.1.23.	03/08/2005

Table S1.2 Operating techniques		
Description	Parts	Date Received
Point source emissions to air and sewer	The response is given in file 1 section B2.2.3, B2.2.4 and B2.2.8 – B2.2.23.	03/08/2005
Point source emissions to Groundwater	The response is given in section B2.2.25 to B2.2.32 of the PPC application.	03/08/2005
Fugitive emissions to surface water, sewer and groundwater	The response is given in file 1 section B2.2.35, B2.2.36, B2.2.39, B2.2.41. Supplementary plans have been submitted to support question B2.2.37 in file 3 item 2.	03/08/2005
Odour	The responses to questions B2.2.42 – 2.2.44 are referenced in these sections.	03/08/2005
Proposed Improvement Programme	The responses to questions B9.0.1 reference File 2 item 52.	03/08/2005
Variation application EPR/BW32811A/V005	Section 3 of application form C3 – technical standards Operating techniques outlined in document reference - Environmental Permit Application Supporting Statement Redbournbury Treatment Plant (September 2018)	12/10/2018
Additional information	Jetting calculations for tank R3 to demonstrate contents unlikely to jet over the secondary bund onto tertiary containment.	30/01/2019
Additional information	Confirmation of hazardous property codes accepted Clarification of bund capacity taken up by infrastructure	04/02/2019
Chemical waste: appropriate measures for permitted facilities Version published 18 November 2020	All parts of the appropriate measures guidance shall apply other than: those parts to which an improvement programme requirement applies in Table S1.3 (and only until the date that the improvement has been or must be met, whichever is the earlier).	N/A
Non-hazardous and inert waste: appropriate measures for permitted facilities, Version published 12 July 2021	All parts of the appropriate measures guidance shall apply.	N/A
Additional information provided in 2 nd RFI response	Surface water management details and confirmation process effluent and uncontaminated site surface drainage are kept isolated in response to questions 16 and 17. EA ref: Permit Review (V006) 2nd RFI response (30.01.2026)	30/01/2026
Co-treatment of hazardous and non-hazardous waste under Activity AR1 – Neutralisation and precipitation treatment.	Confirmation of appropriate combined treatment procedures of non-hazardous and hazardous wastes that treats all hazardous properties and does not cause dilution of hazardous waste. EA ref: Permit Review (V006) 2nd RFI response (30.01.2026)	30/01/2026

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC10 Updated emissions inventory and H1 risk assessment	The operator shall submit a written report to the Environment Agency for assessment and written approval as required by sections 6.1, 6.4, 7.1, and 7.2 of Chemical waste: appropriate measures for permitted facilities.	Submission of written report detailing monitoring and assessment results and further proposals 30/09/2027
Air and sewer risk assessment	The emissions inventory must include information about the relevant characteristics of point source emissions to air and sewer. The report must include (a) the results and conclusions of the emissions monitoring and assessment undertaken in accordance with your emissions inventory. (b) a comparison of the monitoring results with the limits listed in Schedule 3, Tables S3.1 and S3.2 for each parameter. (c) the results and conclusions from an assessment of the environmental impact of the emissions to air/sewer using all relevant parameters identified from your emissions inventory under (a) above. The assessment must be carried out using the Environment Agency's 'H1 Environmental Risk Assessment' tool (or equivalent as agreed with the Environment Agency) and/or modelling as required following our guidance: Air emissions risk assessment for your environmental permit - GOV.UK Surface water pollution risk assessment for your environmental permit' Where it is concluded that the impact of an emission may be significant or exceeds an environmental standard (e.g. an environmental quality standard EQS) the operator shall: a) Review whether there is a need for emissions limits to be lower than the limits listed in Schedule 3, Tables S3.1 and S3.2 in order to prevent exceedance of environmental standards. b) Propose revised emission limits that will prevent exceedance of the environmental standard(s) c) Include proposals for measures to mitigate the emission to meet the relevant emission limit (for example, the provision of additional treatment or abatement) and timescales for the implementation of these measures. The proposals shall be implemented within 6 months of approval of the report or as agreed in writing by the Environment Agency.	

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC11a Enclosure, extraction and collection and/or Abatement system	The operator shall submit a plan to the Environment Agency for approval as required by sections 6.1 (point source emissions to air) and 6.2 (fugitive emissions to air) of the Chemical waste: appropriate measures for permitted facilities, for the enclosure, extraction and collection, installation and maintenance, and operation of an abatement system for the reduction of emissions to air from the storage and treatment activities on site. The plan shall detail: • The design of the abatement system; • The monitoring measures in place for; ○ Optimising and maintaining the operation; ○ Optimising performance of the carbon filters/bag filters/other abatement for example wet scrubbers; ○ Identifying optimal regeneration or replacement; • The timescales for implementation. The plan shall be implemented in accordance with the Environment Agency's written approval.	31/12/2027
IC11b Abatement System	The agreed abatement system(s) approved under IC11a shall be installed and operated in accordance with the Environment Agency's written approval.	31/03/2028
IC12 Waste storage, segregation, and handling procedures	The operator shall review and update their waste storage, segregation and handling procedures to ensure that they meet the requirements of the Environment Agency's guidance Chemical waste: appropriate measures for permitted facilities referred to in Table S1.2. Specifically, the operator must demonstrate that the following appropriate measure(s) of the guidance will be met: • 4.43 – 'You should vent bulk storage tanks and silos through suitable abatement' A copy of the updated procedure(s) shall be submitted to the Environment Agency for approval.	30/04/2028
IC13 Waste treatment procedures	The operator shall review and update their waste treatment procedures to ensure that they meet the requirements of the Environment Agency's guidance Chemical waste: appropriate measures for permitted facilities referred to in Table S1.2. Specifically, the operator must demonstrate that the following appropriate measure(s) of the guidance will be met: • Where an emission is expected, all treatment or reactor vessels must be enclosed. Only vent them to the atmosphere via an appropriate scrubbing and abatement system (subject to explosion relief) (measure 5.1.10). A copy of the updated procedure(s) shall be submitted to the Environment Agency for approval.	30/04/2028

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC14 Emissions control procedures	The operator shall review and update their emissions control procedures to ensure that they meet the requirements of the Environment Agency's guidance Chemical waste: appropriate measures for permitted facilities referred to in Table S1.2. Specifically, the operator must demonstrate that the following appropriate measure(s) of the guidance will be met: You must contain storage tanks, silos and waste treatment plant (including shredders) to make sure you collect, extract and direct all process emissions to an appropriate abatement system for treatment before release (measure 6.1.1). A copy of the updated procedure(s) shall be submitted to the Environment Agency for approval.	30/04/2028

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
-	-

Table S2.2 Permitted waste types and quantities for pH adjustment, neutralisation, and precipitation treatment of waste by activity AR1.	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Exclusions	Wastes having any of the following characteristics shall not be accepted: Wastes containing oil
Waste code	Description
01	WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS
01 03	wastes from mineral excavation
01 03 04*	acid-generating tailings from processing of sulphide ore
01 03 05*	other tailings containing hazardous substances
01 03 07*	other wastes containing hazardous substances from physical and chemical processing of metalliferous minerals
01 04	wastes from physical and chemical processing of non-metalliferous minerals
01 04 07*	wastes containing hazardous substances from physical and chemical processing of non-metalliferous minerals
01 05	drilling muds and other drilling wastes
01 05 06*	drilling muds and other drilling wastes containing hazardous substances
03	WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD
03 02	wastes from wood preservation
03 02 04*	inorganic wood preservatives
03 02 05*	other wood preservatives containing hazardous substances
04	WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES
04 02	wastes from the textile industry
04 02 16*	dyestuffs and pigments containing hazardous substances
04 02 19*	sludges from on-site effluent treatment containing hazardous substances
05	WASTES FROM PETROLEUM REFINING, NATURAL GAS PURIFICATION AND PYROLYTIC TREATMENT OF COAL
05 01	wastes from petroleum refining
05 01 09*	sludges from on-site effluent treatment containing hazardous substances
05 01 11*	wastes from cleaning of fuels with bases
06	WASTES FROM INORGANIC CHEMICAL PROCESSES
06 01	wastes from the manufacture, formulation, supply and use (MFSU) of acids
06 01 01*	sulphuric acid and sulphurous acid

Table S2.2 Permitted waste types and quantities for pH adjustment, neutralisation, and precipitation treatment of waste by activity AR1.	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Exclusions	Wastes having any of the following characteristics shall not be accepted: • Wastes containing oil
Waste code	Description
06 01 02*	hydrochloric acid
06 01 03*	hydrofluoric acid
06 01 04*	phosphoric and phosphorous acid
06 01 05*	nitric acid and nitrous acid
06 01 06*	other acids
06 02	wastes from the MFSU of bases
06 02 01*	calcium hydroxide
06 02 03*	ammonium hydroxide
06 02 04*	sodium and potassium hydroxide
06 02 05*	other bases
06 05	sludges from on-site effluent treatment
06 05 02*	sludges from on-site effluent treatment containing hazardous substances
06 07	wastes from the MFSU of halogens and halogen chemical processes
06 07 04*	solutions and acids, for example contact acid
06 09	wastes from the MFSU of phosphorous chemicals and phosphorous chemical processes
06 09 03*	calcium-based reaction wastes containing or contaminated with hazardous substances
06 10	wastes from the MFSU of nitrogen chemicals, nitrogen chemical processes and fertiliser manufacture
06 10 02*	wastes containing hazardous substances
06 13	wastes from inorganic chemical processes not otherwise specified
06 13 01*	inorganic plant protection products, wood-preserving agents and other biocides
07	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 01	wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
07 01 01*	aqueous washing liquids and mother liquors
07 01 11*	sludges from on-site effluent treatment containing hazardous substances
07 02	wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 01*	aqueous washing liquids and mother liquors
07 02 11*	sludges from on-site effluent treatment containing hazardous substances
07 02 14*	wastes from additives containing hazardous substances
07 03	wastes from the MFSU of organic dyes and pigments (except 06 11)
07 03 01*	aqueous washing liquids and mother liquors
07 03 11*	sludges from on-site effluent treatment containing hazardous substances

Table S2.2 Permitted waste types and quantities for pH adjustment, neutralisation, and precipitation treatment of waste by activity AR1.	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Exclusions	Wastes having any of the following characteristics shall not be accepted: Wastes containing oil
Waste code	Description
07 04	wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides
07 04 01*	aqueous washing liquids and mother liquors
07 04 11*	sludges from on-site effluent treatment containing hazardous substances
07 05	wastes from the MFSU of pharmaceuticals
07 05 01*	aqueous washing liquids and mother liquors
07 05 11*	sludges from on-site effluent treatment containing hazardous substances
07 06	wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
07 06 01*	aqueous washing liquids and mother liquors
07 06 11*	sludges from on-site effluent treatment containing hazardous substances
07 07	wastes from the MFSU of fine chemicals and chemical products not otherwise specified
07 07 01*	aqueous washing liquids and mother liquors
07 07 11*	sludges from on-site effluent treatment containing hazardous substances
08	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01	wastes from MFSU and removal of paint and varnish
08 01 13*	sludges from paint or varnish containing organic solvents or other hazardous substances
08 01 15*	aqueous sludges containing paint or varnish containing organic solvents or other hazardous substances
08 01 17*	wastes from paint or varnish removal containing organic solvents or other hazardous substances
08 01 19*	aqueous suspensions containing paint or varnish containing organic solvents or other hazardous substances
08 01 21*	waste paint or varnish remover
08 03	wastes from MFSU of printing inks
08 03 12*	waste ink containing hazardous substances
08 03 14*	ink sludges containing hazardous substances
08 03 16*	waste etching solutions
08 03 17*	waste printing toner containing hazardous substances
08 04	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 15*	aqueous liquid waste containing adhesives or sealants containing organic solvents or other hazardous substances
09	WASTES FROM THE PHOTOGRAPHIC INDUSTRY

Table S2.2 Permitted waste types and quantities for pH adjustment, neutralisation, and precipitation treatment of waste by activity AR1.	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Exclusions	Wastes having any of the following characteristics shall not be accepted: Wastes containing oil
Waste code	Description
09 01	wastes from the photographic industry
09 01 01*	water-based developer and activator solutions
09 01 02*	water-based offset plate developer solutions
09 01 04*	fixer solutions
09 01 13*	aqueous liquid waste from on-site reclamation of silver other than those mentioned in 09 01 06
10	WASTES FROM THERMAL PROCESSES
10 01	wastes from power stations and other combustion plants (except 19)
10 01 09*	sulphuric acid
10 01 18*	wastes from gas cleaning containing hazardous substances
10 01 20*	sludges from on-site effluent treatment containing hazardous substances
10 01 22*	aqueous sludges from boiler cleansing containing hazardous substances
10 09	wastes from casting of ferrous pieces
10 09 13*	waste binders containing hazardous substances
10 09 15*	waste crack-indicating agent containing hazardous substances
10 10	wastes from casting of non-ferrous pieces
10 10 13*	waste binders containing hazardous substances
10 10 15*	waste crack-indicating agent containing hazardous substances
10 11	wastes from manufacture of glass and glass products
10 11 09*	waste preparation mixture before thermal processing, containing hazardous substances
10 11 13*	glass-polishing and -grinding sludge containing hazardous substances
10 12	wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 11*	wastes from glazing containing heavy metals
11	WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS, NON-FERROUS HYDRO-METALLURGY
11 01	wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphatising, alkaline degreasing, anodising)
11 01 05*	pickling acids
11 01 06*	acids not otherwise specified
11 01 07*	pickling bases
11 01 08*	phosphatising sludges
11 01 09*	sludges and filter cakes containing hazardous substances
11 01 11*	aqueous rinsing liquids containing hazardous substances

Table S2.2 Permitted waste types and quantities for pH adjustment, neutralisation, and precipitation treatment of waste by activity AR1.	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Exclusions	Wastes having any of the following characteristics shall not be accepted: Wastes containing oil
Waste code	Description
11 01 13*	degreasing wastes containing hazardous substances
11 01 15*	eluate and sludges from membrane systems or ion exchange systems containing hazardous substances
11 01 98*	other wastes containing hazardous substances (acid and alkaline only)
11 02	wastes from non-ferrous hydrometallurgical processes
11 02 05*	wastes from copper hydrometallurgical processes containing hazardous substances
11 02 07*	other wastes containing hazardous substances
12	WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS
12 01	wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01 08*	machining emulsions and solutions containing halogens
12 01 09*	machining emulsions and solutions free of halogens
12 01 14*	machining sludges containing hazardous substances
12 01 16*	waste blasting material containing hazardous substances
12 03	wastes from water and steam degreasing processes (except 11)
12 03 01*	aqueous washing liquids
12 03 02*	steam degreasing wastes
13	OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)
13 05	oil/water separator contents
13 05 03*	interceptor sludges
13 05 08*	mixtures of wastes from grit chambers and oil/water separators
13 08	oil wastes not otherwise specified
13 08 01*	desalter sludges or emulsions
13 08 02*	other emulsions
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 03	off-specification batches and unused products
16 03 03*	inorganic wastes containing hazardous substances
16 05 06*	laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals
16 05 07*	discarded inorganic chemicals consisting of or containing hazardous substances
16 07	wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)
16 07 09*	wastes containing other hazardous substances
16 08	spent catalysts

Table S2.2 Permitted waste types and quantities for pH adjustment, neutralisation, and precipitation treatment of waste by activity AR1.	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Exclusions	Wastes having any of the following characteristics shall not be accepted: • Wastes containing oil
Waste code	Description
16 08 05*	spent catalysts containing phosphoric acid
16 08 06*	spent liquids used as catalysts
16 08 07*	spent catalysts contaminated with hazardous substances
16 09	oxidising substances
16 09 01*	permanganates, for example potassium permanganate
16 09 03*	peroxides, for example hydrogen peroxide
16 09 04*	oxidising substances, not otherwise specified
16 10	aqueous liquid wastes destined for off-site treatment
16 10 01*	aqueous liquid wastes containing hazardous substances
16 10 03*	aqueous concentrates containing hazardous substances
18	WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)
18 02	wastes from research, diagnosis, treatment or prevention of disease involving animals
18 02 05*	chemicals consisting of or containing hazardous substances
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
19 01	wastes from incineration or pyrolysis of waste
19 01 06*	aqueous liquid wastes from gas treatment and other aqueous liquid wastes
19 02	wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
19 02 04*	premixed wastes composed of at least one hazardous waste
19 02 05*	sludges from physico/chemical treatment containing hazardous substances
19 02 08*	liquid combustible wastes containing hazardous substances
19 02 11*	other wastes containing hazardous substances
19 07	landfill leachate
19 07 02*	landfill leachate containing hazardous substances
19 08	wastes from waste water treatment plants not otherwise specified
19 08 06*	saturated or spent ion exchange resins
19 08 07*	solutions and sludges from regeneration of ion exchangers
19 08 11*	sludges containing hazardous substances from biological treatment of industrial waste water
19 08 13*	sludges containing hazardous substances from other treatment of industrial waste water
19 11	wastes from oil regeneration

Table S2.2 Permitted waste types and quantities for pH adjustment, neutralisation, and precipitation treatment of waste by activity AR1.	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Exclusions	Wastes having any of the following characteristics shall not be accepted: Wastes containing oil
Waste code	Description
19 11 03*	aqueous liquid wastes
19 11 04*	wastes from cleaning of fuel with bases
19 11 05*	sludges from on-site effluent treatment containing hazardous substances
19 11 07*	wastes from flue-gas cleaning
19 13	wastes from soil and groundwater remediation
19 13 03*	sludges from soil remediation containing hazardous substances
19 13 05*	sludges from groundwater remediation containing hazardous substances
19 13 07*	aqueous liquid wastes and aqueous concentrates from groundwater remediation containing hazardous substances
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01	separately collected fractions (except 15 01)
20 01 14*	acids
20 01 15*	alkalines
20 01 17*	photochemicals
20 01 19*	pesticides
20 01 27*	paint, inks, adhesives and resins containing hazardous substances
20 01 29*	detergents containing hazardous substances

Table S2.3 Permitted waste types and quantities for the pH adjustment, neutralisation and precipitation of waste (AR1) and the storage of non-hazardous waste (AR4).	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Exclusions	Wastes having any of the following characteristics shall not be accepted: Wastes containing oil
Waste code	Description
01	WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS
01 01	wastes from mineral excavation
01 01 01	wastes from mineral metalliferous excavation
01 01 02	wastes from mineral non-metalliferous excavation
01 03	wastes from mineral excavation
01 03 06	tailings other than those mentioned in 01 03 04 and 01 03 05

Table S2.3 Permitted waste types and quantities for the pH adjustment, neutralisation and precipitation of waste (AR1) and the storage of non-hazardous waste (AR4).	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Exclusions	Wastes having any of the following characteristics shall not be accepted: • Wastes containing oil
Waste code	Description
01 03 09	red mud from alumina production other than the wastes mentioned in 01 03 10
01 04	wastes from physical and chemical processing of non-metalliferous minerals
01 04 11	wastes from potash and rock salt processing other than those mentioned in 01 04 07
01 04 12	tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11
01 04 13	wastes from stone cutting and sawing other than those mentioned in 01 04 07
01 05	drilling muds and other drilling wastes
01 05 04	freshwater drilling muds and wastes
02	WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING
02 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 01	sludges from washing and cleaning
02 02	wastes from the preparation and processing of meat, fish and other foods of animal origin
02 02 01	sludges from washing and cleaning
02 02 04	sludges from on-site effluent treatment
02 03	wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing, conserve production, yeast and yeast extract production, molasses preparation and fermentation
02 03 01	sludges from washing, cleaning, peeling, centrifuging and separation
02 03 05	sludges from on-site effluent treatment
02 04	wastes from sugar processing
02 04 03	sludges from on-site effluent treatment
02 05	wastes from the dairy products industry
02 05 02	sludges from on-site effluent treatment
02 06	wastes from the baking and confectionery industry
02 06 03	sludges from on-site effluent treatment
02 07	wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)
02 07 01	wastes from washing, cleaning and mechanical reduction of raw materials
02 07 03	wastes from chemical treatment
02 07 05	sludges from on-site effluent treatment
03	WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD
03 03	wastes from pulp, paper and cardboard production and processing

Table S2.3 Permitted waste types and quantities for the pH adjustment, neutralisation and precipitation of waste (AR1) and the storage of non-hazardous waste (AR4).	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Exclusions	Wastes having any of the following characteristics shall not be accepted: • Wastes containing oil
Waste code	Description
03 03 02	green liquor sludge (from recovery of cooking liquor)
03 03 05	de-inking sludges from paper recycling
03 03 07	mechanically separated rejects from pulping of waste paper and cardboard
03 03 11	sludges from on-site effluent treatment other than those mentioned in 03 03 10
04	WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES
04 01	wastes from the leather and fur industry
04 01 02	liming waste
04 01 05	tanning liquor free of chromium
04 01 07	sludges, in particular from on-site effluent treatment free of chromium
04 02	wastes from the textile industry
04 02 20	sludges from on-site effluent treatment other than those mentioned in 04 02 19
04 02 21	wastes from unprocessed textile fibres
04 02 22	wastes from processed textile fibres
05	WASTES FROM PETROLEUM REFINING, NATURAL GAS PURIFICATION AND PYROLYTIC TREATMENT OF COAL
05 01	wastes from petroleum refining
05 01 10	sludges from on-site effluent treatment other than those mentioned in 05 01 09
05 01 13	boiler feedwater sludges
05 01 14	wastes from cooling columns
05 06	wastes from the pyrolytic treatment of coal
05 06 04	waste from cooling columns
06	WASTES FROM INORGANIC CHEMICAL PROCESSES
06 03	wastes from the MFSU of salts and their solutions and metallic oxides
06 03 16	metallic oxides other than those mentioned in 06 03 15
06 05	sludges from on-site effluent treatment
06 05 03	sludges from on-site effluent treatment other than those mentioned in 06 05 02
07	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 01	wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
07 01 12	sludges from on-site effluent treatment other than those mentioned in 07 01 11
07 02	wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 12	sludges from on-site effluent treatment other than those mentioned in 07 02 11
07 02 15	wastes from additives other than those mentioned in 07 02 14
07 03	wastes from the MFSU of organic dyes and pigments (except 06 11)
07 03 12	sludges from on-site effluent treatment other than those mentioned in 07 03 11

Table S2.3 Permitted waste types and quantities for the pH adjustment, neutralisation and precipitation of waste (AR1) and the storage of non-hazardous waste (AR4).	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Exclusions	Wastes having any of the following characteristics shall not be accepted: • Wastes containing oil
Waste code	Description
07 04	wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides
07 04 12	sludges from on-site effluent treatment other than those mentioned in 07 04 11
07 05	wastes from the MFSU of pharmaceuticals
07 05 12	sludges from on-site effluent treatment other than those mentioned in 07 05 11
07 06	wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
07 06 12	sludges from on-site effluent treatment other than those mentioned in 07 06 11
07 07	wastes from the MFSU of fine chemicals and chemical products not otherwise specified
07 07 12	sludges from on-site effluent treatment other than those mentioned in 07 07 11
08	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01	wastes from MFSU and removal of paint and varnish
08 01 12	waste paint and varnish other than those mentioned in 08 01 11
08 01 14	sludges from paint or varnish other than those mentioned in 08 01 13
08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
08 01 18	wastes from paint or varnish removal other than those mentioned in 08 01 17
08 01 20	aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
08 02	wastes from MFSU of other coatings (including ceramic materials)
08 02 01	waste coating powders
08 02 02	aqueous sludges containing ceramic materials
08 02 03	aqueous suspensions containing ceramic materials
08 03	wastes from MFSU of printing inks
08 03 07	aqueous sludges containing ink
08 03 08	aqueous liquid waste containing ink
08 03 13	waste ink other than those mentioned in 08 03 12
08 03 15	ink sludges other than those mentioned in 08 03 14
08 04	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
08 04 12	adhesive and sealant sludges other than those mentioned in 08 04 11
08 04 14	aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13

Table S2.3 Permitted waste types and quantities for the pH adjustment, neutralisation and precipitation of waste (AR1) and the storage of non-hazardous waste (AR4).	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Exclusions	Wastes having any of the following characteristics shall not be accepted: • Wastes containing oil
Waste code	Description
08 04 16	aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
10	WASTES FROM THERMAL PROCESSES
10 01	wastes from power stations and other combustion plants (except 19)
10 01 07	calcium-based reaction wastes from flue-gas desulphurisation in sludge form
10 01 19	wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
10 01 21	sludges from on-site effluent treatment other than those mentioned in 10 01 20
10 01 23	aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
10 01 26	wastes from cooling-water treatment
10 02	wastes from the iron and steel industry
10 02 01	wastes from the processing of slag
10 03	wastes from aluminium thermal metallurgy
10 03 28	wastes from cooling-water treatment other than those mentioned in 10 03 27
10 04	wastes from lead thermal metallurgy
10 04 10	wastes from cooling-water treatment other than those mentioned in 10 04 09
10 05	wastes from zinc thermal metallurgy
10 05 09	wastes from cooling-water treatment other than those mentioned in 10 05 08
10 06	wastes from copper thermal metallurgy
10 06 10	wastes from cooling-water treatment other than those mentioned in 10 06 09
10 07	wastes from silver, gold and platinum thermal metallurgy
10 07 08	wastes from cooling-water treatment other than those mentioned in 10 07 07
10 08	wastes from other non-ferrous thermal metallurgy
10 08 20	wastes from cooling-water treatment other than those mentioned in 10 08 19
10 09	wastes from casting of ferrous pieces
10 09 14	waste binders other than those mentioned in 10 09 13
10 09 16	waste crack-indicating agent other than those mentioned in 10 09 15
10 10	wastes from casting of non-ferrous pieces
10 10 14	waste binders other than those mentioned in 10 10 13
10 10 16	waste crack-indicating agent other than those mentioned in 10 10 15
10 11	wastes from manufacture of glass and glass products
10 11 10	waste preparation mixture before thermal processing, other than those mentioned in 10 11 09
10 12	wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 01	waste preparation mixture before thermal processing

Table S2.3 Permitted waste types and quantities for the pH adjustment, neutralisation and precipitation of waste (AR1) and the storage of non-hazardous waste (AR4).	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Exclusions	Wastes having any of the following characteristics shall not be accepted: • Wastes containing oil
Waste code	Description
10 12 12	wastes from glazing other than those mentioned in 10 12 11
10 12 13	sludge from on-site effluent treatment
10 13	wastes from manufacture of cement, lime and plaster and articles and products made from them
10 13 01	waste preparation mixture before thermal processing
10 13 04	wastes from calcination and hydration of lime
10 13 14	waste concrete and concrete sludge
11	WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS, NON-FERROUS HYDRO-METALLURGY
11 01	wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphatising, alkaline degreasing, anodising)
11 01 10	sludges and filter cakes other than those mentioned in 11 01 09
11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11
11 01 14	degreasing wastes other than those mentioned in 11 01 13
11 02	wastes from non-ferrous hydrometallurgical processes
11 02 03	wastes from the production of anodes for aqueous electrolytical processes
11 02 06	wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
12	WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS
12 01	wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01 15	machining sludges other than those mentioned in 12 01 14
12 01 17	waste blasting material other than those mentioned in 12 01 16
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 03	off-specification batches and unused products
16 03 04	inorganic wastes other than those mentioned in 16 03 03
16 05	gases in pressure containers and discarded chemicals
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08
16 08	spent catalysts
16 08 03	spent catalysts containing transition metals or transition metal compounds not otherwise specified
16 08 04	spent fluid catalytic cracking catalysts (except 16 08 07)
16 10	aqueous liquid wastes destined for off-site treatment
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01
16 10 04	aqueous concentrates other than those mentioned in 16 10 03

Table S2.3 Permitted waste types and quantities for the pH adjustment, neutralisation and precipitation of waste (AR1) and the storage of non-hazardous waste (AR4).	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Exclusions	Wastes having any of the following characteristics shall not be accepted: • Wastes containing oil
Waste code	Description
18	WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)
18 02	wastes from research, diagnosis, treatment or prevention of disease involving animals
18 02 06	chemicals other than those mentioned in 18 02 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
19 01	wastes from incineration or pyrolysis of waste
19 01 18	pyrolysis wastes other than those mentioned in 19 01 17
19 02	wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
19 02 03	premixed wastes composed only of non-hazardous wastes
19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05
19 04	vitrified waste and wastes from vitrification
19 04 04	aqueous liquid wastes from vitrified waste tempering
19 06	wastes from anaerobic treatment of waste
19 06 03	liquor from anaerobic treatment of municipal waste
19 06 05	liquor from anaerobic treatment of animal and vegetable waste
19 07	landfill leachate
19 07 03	landfill leachate other than those mentioned in 19 07 02
19 08	wastes from waste water treatment plants not otherwise specified
19 08 05	sludges from treatment of urban waste water
19 08 12	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 09	wastes from the preparation of water intended for human consumption or water for industrial use
19 09 02	sludges from water clarification
19 09 03	sludges from decarbonation
19 09 06	solutions and sludges from regeneration of ion exchangers
19 11	wastes from oil regeneration
19 11 06	sludges from on-site effluent treatment other than those mentioned in 19 11 05
19 13	wastes from soil and groundwater remediation
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03

Table S2.3 Permitted waste types and quantities for the pH adjustment, neutralisation and precipitation of waste (AR1) and the storage of non-hazardous waste (AR4).	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Exclusions	Wastes having any of the following characteristics shall not be accepted: • Wastes containing oil
Waste code	Description
19 13 06	sludges from groundwater remediation other than those mentioned in 19 13 05
19 13 08	aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01	separately collected fractions (except 15 01)
20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27
20 01 30	detergents other than those mentioned in 20 01 29

Table S2.4 Permitted waste types and quantities for hazardous waste storage (AR2)	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Waste code	Description
01	WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS
01 03	wastes from mineral excavation
01 03 04*	acid-generating tailings from processing of sulphide ore
01 03 05*	other tailings containing hazardous substances
01 03 07*	other wastes containing hazardous substances from physical and chemical processing of metalliferous minerals
01 04	wastes from physical and chemical processing of non-metalliferous minerals
01 04 07*	wastes containing hazardous substances from physical and chemical processing of non-metalliferous minerals
01 05	drilling muds and other drilling wastes
01 05 05*	oil-containing drilling muds and wastes
01 05 06*	drilling muds and other drilling wastes containing hazardous substances
03	WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD
03 02	wastes from wood preservation
03 02 04*	inorganic wood preservatives
03 02 05*	other wood preservatives containing hazardous substances
04	WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES
04 02	wastes from the textile industry
04 02 16*	dyestuffs and pigments containing hazardous substances
04 02 19*	sludges from on-site effluent treatment containing hazardous substances

Table S2.4 Permitted waste types and quantities for hazardous waste storage (AR2)	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Waste code	Description
05	WASTES FROM PETROLEUM REFINING, NATURAL GAS PURIFICATION AND PYROLYTIC TREATMENT OF COAL
05 01	wastes from petroleum refining
05 01 05*	oil spills
05 01 06*	oily sludges from maintenance operations of the plant or equipment
05 01 09*	sludges from on-site effluent treatment containing hazardous substances
05 01 11*	wastes from cleaning of fuels with bases
05 01 12*	oil containing acids
06	WASTES FROM INORGANIC CHEMICAL PROCESSES
06 01	wastes from the manufacture, formulation, supply and use (MFSU) of acids
06 01 01*	sulphuric acid and sulphurous acid
06 01 02*	hydrochloric acid
06 01 03*	hydrofluoric acid
06 01 04*	phosphoric and phosphorous acid
06 01 05*	nitric acid and nitrous acid
06 01 06*	other acids
06 02	wastes from the MFSU of bases
06 02 01*	calcium hydroxide
06 02 03*	ammonium hydroxide
06 02 04*	sodium and potassium hydroxide
06 02 05*	other bases
06 05	sludges from on-site effluent treatment
06 05 02*	sludges from on-site effluent treatment containing hazardous substances
06 07	wastes from the MFSU of halogens and halogen chemical processes
06 07 04*	solutions and acids, for example contact acid
06 09	wastes from the MFSU of phosphorous chemicals and phosphorous chemical processes
06 09 03*	calcium-based reaction wastes containing or contaminated with hazardous substances
06 10	wastes from the MFSU of nitrogen chemicals, nitrogen chemical processes and fertiliser manufacture
06 10 02*	wastes containing hazardous substances
06 13	wastes from inorganic chemical processes not otherwise specified
06 13 01*	inorganic plant protection products, wood-preserving agents and other biocides
07	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 01	wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
07 01 01*	aqueous washing liquids and mother liquors

Table S2.4 Permitted waste types and quantities for hazardous waste storage (AR2)	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Waste code	Description
07 01 11*	sludges from on-site effluent treatment containing hazardous substances
07 02	wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 01*	aqueous washing liquids and mother liquors
07 02 11*	sludges from on-site effluent treatment containing hazardous substances
07 02 14*	wastes from additives containing hazardous substances
07 03	wastes from the MFSU of organic dyes and pigments (except 06 11)
07 03 01*	aqueous washing liquids and mother liquors
07 03 11*	sludges from on-site effluent treatment containing hazardous substances
07 04	wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides
07 04 01*	aqueous washing liquids and mother liquors
07 04 11*	sludges from on-site effluent treatment containing hazardous substances
07 05	wastes from the MFSU of pharmaceuticals
07 05 01*	aqueous washing liquids and mother liquors
07 05 11*	sludges from on-site effluent treatment containing hazardous substances
07 06	wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
07 06 01*	aqueous washing liquids and mother liquors
07 06 11*	sludges from on-site effluent treatment containing hazardous substances
07 07	wastes from the MFSU of fine chemicals and chemical products not otherwise specified
07 07 01*	aqueous washing liquids and mother liquors
07 07 11*	sludges from on-site effluent treatment containing hazardous substances
08	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01	wastes from MFSU and removal of paint and varnish
08 01 13*	sludges from paint or varnish containing organic solvents or other hazardous substances
08 01 15*	aqueous sludges containing paint or varnish containing organic solvents or other hazardous substances
08 01 17*	wastes from paint or varnish removal containing organic solvents or other hazardous substances
08 01 19*	aqueous suspensions containing paint or varnish containing organic solvents or other hazardous substances
08 01 21*	waste paint or varnish remover
08 03	wastes from MFSU of printing inks
08 03 12*	waste ink containing hazardous substances
08 03 14*	ink sludges containing hazardous substances
08 03 16*	waste etching solutions

Table S2.4 Permitted waste types and quantities for hazardous waste storage (AR2)	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Waste code	Description
08 03 17*	waste printing toner containing hazardous substances
08 03 19*	disperse oil
08 04	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 15*	aqueous liquid waste containing adhesives or sealants containing organic solvents or other hazardous substances
09	WASTES FROM THE PHOTOGRAPHIC INDUSTRY
09 01	wastes from the photographic industry
09 01 01*	water-based developer and activator solutions
09 01 02*	water-based offset plate developer solutions
09 01 04*	fixer solutions
09 01 13*	aqueous liquid waste from on-site reclamation of silver other than those mentioned in 09 01 06
10	WASTES FROM THERMAL PROCESSES
10 01	wastes from power stations and other combustion plants (except 19)
10 01 09*	sulphuric acid
10 01 18*	wastes from gas cleaning containing hazardous substances
10 01 20*	sludges from on-site effluent treatment containing hazardous substances
10 01 22*	aqueous sludges from boiler cleansing containing hazardous substances
10 02	wastes from the iron and steel industry
10 02 11*	wastes from cooling-water treatment containing oil
10 03	wastes from aluminium thermal metallurgy
10 03 27*	wastes from cooling-water treatment containing oil
10 04	wastes from lead thermal metallurgy
10 04 09*	wastes from cooling-water treatment containing oil
10 05	wastes from zinc thermal metallurgy
10 05 08*	wastes from cooling-water treatment containing oil
10 06	wastes from copper thermal metallurgy
10 06 09*	wastes from cooling-water treatment containing oil
10 07	wastes from silver, gold and platinum thermal metallurgy
10 07 07*	wastes from cooling-water treatment containing oil
10 08	wastes from other non-ferrous thermal metallurgy
10 08 19*	wastes from cooling-water treatment containing oil
10 09	wastes from casting of ferrous pieces
10 09 13*	waste binders containing hazardous substances
10 09 15*	waste crack-indicating agent containing hazardous substances
10 10	wastes from casting of non-ferrous pieces
10 10 13*	waste binders containing hazardous substances

Table S2.4 Permitted waste types and quantities for hazardous waste storage (AR2)	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Waste code	Description
10 10 15*	waste crack-indicating agent containing hazardous substances
10 11	wastes from manufacture of glass and glass products
10 11 09*	waste preparation mixture before thermal processing, containing hazardous substances
10 11 13*	glass-polishing and -grinding sludge containing hazardous substances
10 12	wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 11*	wastes from glazing containing heavy metals
11	WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS, NON-FERROUS HYDRO-METALLURGY
11 01	wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphatising, alkaline degreasing, anodising)
11 01 05*	pickling acids
11 01 06*	acids not otherwise specified
11 01 07*	pickling bases
11 01 08*	phosphatising sludges
11 01 09*	sludges and filter cakes containing hazardous substances
11 01 11*	aqueous rinsing liquids containing hazardous substances
11 01 13*	degreasing wastes containing hazardous substances
11 01 15*	eluate and sludges from membrane systems or ion exchange systems containing hazardous substances
11 01 98*	other wastes containing hazardous substances (Acid and alkaline only)
11 02	wastes from non-ferrous hydrometallurgical processes
11 02 05*	wastes from copper hydrometallurgical processes containing hazardous substances
11 02 07*	other wastes containing hazardous substances
12	WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS
12 01	wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01 06*	mineral-based machining oils containing halogens (except emulsions and solutions)
12 01 07*	mineral-based machining oils free of halogens (except emulsions and solutions)
12 01 08*	machining emulsions and solutions containing halogens
12 01 09*	machining emulsions and solutions free of halogens
12 01 10*	synthetic machining oils
12 01 12*	spent waxes and fats
12 01 14*	machining sludges containing hazardous substances
12 01 16*	waste blasting material containing hazardous substances
12 01 19*	readily biodegradable machining oil

Table S2.4 Permitted waste types and quantities for hazardous waste storage (AR2)	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Waste code	Description
12 03	wastes from water and steam degreasing processes (except 11)
12 03 01*	aqueous washing liquids
12 03 02*	steam degreasing wastes
13	OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)
13 01	waste hydraulic oils
13 01 04*	chlorinated emulsions
13 01 05*	non-chlorinated emulsions
13 01 09*	mineral-based chlorinated hydraulic oils
13 01 10*	mineral based non-chlorinated hydraulic oils
13 01 11*	synthetic hydraulic oils
13 01 12*	readily biodegradable hydraulic oils
13 01 13*	other hydraulic oils
13 02	waste engine, gear and lubricating oils
13 02 04*	mineral-based chlorinated engine, gear and lubricating oils
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
13 02 06*	synthetic engine, gear and lubricating oils
13 02 07*	readily biodegradable engine, gear and lubricating oils
13 02 08*	other engine, gear and lubricating oils
13 03	waste insulating and heat transmission oils
13 03 06*	mineral-based chlorinated insulating and heat transmission oils other than those mentioned in 13 03 01
13 03 07*	mineral-based non-chlorinated insulating and heat transmission oils
13 03 08*	synthetic insulating and heat transmission oils
13 03 09*	readily biodegradable insulating and heat transmission oils
13 03 10*	other insulating and heat transmission oils
13 04	bilge oils
13 04 01*	bilge oils from inland navigation
13 04 02*	bilge oils from jetty sewers
13 04 03*	bilge oils from other navigation
13 05	oil/water separator contents
13 05 02*	sludges from oil/water separators
13 05 03*	interceptor sludges
13 05 06*	oil from oil/water separators
13 05 07*	oily water from oil/water separators
13 05 08*	mixtures of wastes from grit chambers and oil/water separators
13 07	wastes of liquid fuels

Table S2.4 Permitted waste types and quantities for hazardous waste storage (AR2)	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Waste code	Description
13 07 01*	fuel oil and diesel
13 07 03*	other fuels (including mixtures)
13 08	oil wastes not otherwise specified
13 08 01*	desalter sludges or emulsions
13 08 02*	other emulsions
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 03	off-specification batches and unused products
16 03 03*	inorganic wastes containing hazardous substances
16 05	gases in pressure containers and discarded chemicals
16 05 06*	laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals
16 05 07*	discarded inorganic chemicals consisting of or containing hazardous substances
16 07	wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)
16 07 08*	wastes containing oil
16 07 09*	wastes containing other hazardous substances
16 08	spent catalysts
16 08 05*	spent catalysts containing phosphoric acid
16 08 06*	spent liquids used as catalysts
16 08 07*	spent catalysts contaminated with hazardous substances
16 09	oxidising substances
16 09 01*	permanganates, for example potassium permanganate
16 09 03*	peroxides, for example hydrogen peroxide
16 09 04*	oxidising substances, not otherwise specified
16 10	aqueous liquid wastes destined for off-site treatment
16 10 01*	aqueous liquid wastes containing hazardous substances
16 10 03*	aqueous concentrates containing hazardous substances
18	WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)
18 02	wastes from research, diagnosis, treatment or prevention of disease involving animals
18 02 05*	chemicals consisting of or containing hazardous substances
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
19 01	wastes from incineration or pyrolysis of waste
19 01 06*	aqueous liquid wastes from gas treatment and other aqueous liquid wastes

Table S2.4 Permitted waste types and quantities for hazardous waste storage (AR2)	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Waste code	Description
19 02	wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
19 02 04*	premixed wastes composed of at least one hazardous waste
19 02 05*	sludges from physico/chemical treatment containing hazardous substances
19 02 07*	oil and concentrates from separation
19 02 08*	liquid combustible wastes containing hazardous substances
19 02 11*	other wastes containing hazardous substances
19 07	landfill leachate
19 07 02*	landfill leachate containing hazardous substances
19 08	wastes from waste water treatment plants not otherwise specified
19 08 06*	saturated or spent ion exchange resins
19 08 07*	solutions and sludges from regeneration of ion exchangers
19 08 10*	grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
19 08 11*	sludges containing hazardous substances from biological treatment of industrial waste water
19 08 13*	sludges containing hazardous substances from other treatment of industrial waste water
19 11	wastes from oil regeneration
19 11 03*	aqueous liquid wastes
19 11 04*	wastes from cleaning of fuel with bases
19 11 05*	sludges from on-site effluent treatment containing hazardous substances
19 11 07*	wastes from flue-gas cleaning
19 13	wastes from soil and groundwater remediation
19 13 03*	sludges from soil remediation containing hazardous substances
19 13 05*	sludges from groundwater remediation containing hazardous substances
19 13 07*	aqueous liquid wastes and aqueous concentrates from groundwater remediation containing hazardous substances
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01	separately collected fractions (except 15 01)
20 01 14*	acids
20 01 15*	alkalines
20 01 17*	photochemicals
20 01 19*	pesticides
20 01 26*	oil and fat other than those mentioned in 20 01 25
20 01 27*	paint, inks, adhesives and resins containing hazardous substances
20 01 29*	detergents containing hazardous substances

Table S2.5 Permitted waste types and quantities for the phase separation of hazardous waste (AR3)	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Waste code	Description
01	WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS
01 03	wastes from mineral excavation
01 03 04*	acid-generating tailings from processing of sulphide ore
01 03 05*	other tailings containing hazardous substances
01 03 07*	other wastes containing hazardous substances from physical and chemical processing of metalliferous minerals
01 04	wastes from physical and chemical processing of non-metalliferous minerals
01 04 07*	wastes containing hazardous substances from physical and chemical processing of non-metalliferous minerals
01 05	drilling muds and other drilling wastes
01 05 05*	oil-containing drilling muds and wastes
01 05 06*	drilling muds and other drilling wastes containing hazardous substances
03	WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD
03 02	wastes from wood preservation
03 02 04*	inorganic wood preservatives
03 02 05*	other wood preservatives containing hazardous substances
04	WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES
04 02	wastes from the textile industry
04 02 16*	dyestuffs and pigments containing hazardous substances
04 02 19*	sludges from on-site effluent treatment containing hazardous substances
05	WASTES FROM PETROLEUM REFINING, NATURAL GAS PURIFICATION AND PYROLYTIC TREATMENT OF COAL
05 01	wastes from petroleum refining
05 01 05*	oil spills
05 01 06*	oily sludges from maintenance operations of the plant or equipment
05 01 09*	sludges from on-site effluent treatment containing hazardous substances
05 01 11*	wastes from cleaning of fuels with bases
05 01 12*	oil containing acids
06	WASTES FROM INORGANIC CHEMICAL PROCESSES
06 05	sludges from on-site effluent treatment
06 05 02*	sludges from on-site effluent treatment containing hazardous substances
06 09	wastes from the MSFU of phosphorous chemicals and phosphorous chemical processes
06 09 03*	calcium-based reaction wastes containing or contaminated with hazardous substances

Table S2.5 Permitted waste types and quantities for the phase separation of hazardous waste (AR3)	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Waste code	Description
06 10	wastes from the MFSU of nitrogen chemicals, nitrogen chemical processes and fertiliser manufacture
06 10 02*	wastes containing hazardous substances
06 13	wastes from inorganic chemical processes not otherwise specified
06 13 01*	inorganic plant protection products, wood-preserving agents and other biocides
07	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 01	wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
07 01 01*	aqueous washing liquids and mother liquors
07 01 11*	sludges from on-site effluent treatment containing hazardous substances
07 02	wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 01*	aqueous washing liquids and mother liquors
07 02 11*	sludges from on-site effluent treatment containing hazardous substances
07 02 14*	wastes from additives containing hazardous substances
07 03	wastes from the MFSU of organic dyes and pigments (except 06 11)
07 03 01*	aqueous washing liquids and mother liquors
07 03 11*	sludges from on-site effluent treatment containing hazardous substances
07 04	wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides
07 04 01*	aqueous washing liquids and mother liquors
07 04 11*	sludges from on-site effluent treatment containing hazardous substances
07 05	wastes from the MFSU of pharmaceuticals
07 05 01*	aqueous washing liquids and mother liquors
07 05 11*	sludges from on-site effluent treatment containing hazardous substances
07 06	wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
07 06 01*	aqueous washing liquids and mother liquors
07 06 11*	sludges from on-site effluent treatment containing hazardous substances
07 07	wastes from the MFSU of fine chemicals and chemical products not otherwise specified
07 07 01*	aqueous washing liquids and mother liquors
07 07 11*	sludges from on-site effluent treatment containing hazardous substances
08	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01	wastes from MFSU and removal of paint and varnish
08 01 13*	sludges from paint or varnish containing organic solvents or other hazardous substances
08 01 15*	aqueous sludges containing paint or varnish containing organic solvents or other hazardous substances

Table S2.5 Permitted waste types and quantities for the phase separation of hazardous waste (AR3)	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Waste code	Description
08 01 17*	wastes from paint or varnish removal containing organic solvents or other hazardous substances
08 01 19*	aqueous suspensions containing paint or varnish containing organic solvents or other hazardous substances
08 01 21*	waste paint or varnish remover
08 03	wastes from MFSU of printing inks
08 03 12*	waste ink containing hazardous substances
08 03 14*	ink sludges containing hazardous substances
08 03 16*	waste etching solutions
08 03 17*	waste printing toner containing hazardous substances
08 03 19*	disperse oil
08 04	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 15*	aqueous liquid waste containing adhesives or sealants containing organic solvents or other hazardous substances
09	WASTES FROM THE PHOTOGRAPHIC INDUSTRY
09 01	wastes from the photographic industry
09 01 01*	water-based developer and activator solutions
09 01 02*	water-based offset plate developer solutions
09 01 04*	fixer solutions
09 01 13*	aqueous liquid waste from on-site reclamation of silver other than those mentioned in 09 01 06
10	WASTES FROM THERMAL PROCESSES
10 01	wastes from power stations and other combustion plants (except 19)
10 01 18*	wastes from gas cleaning containing hazardous substances
10 01 20*	sludges from on-site effluent treatment containing hazardous substances
10 01 22*	aqueous sludges from boiler cleansing containing hazardous substances
10 02	wastes from the iron and steel industry
10 02 11*	wastes from cooling-water treatment containing oil
10 03	wastes from aluminium thermal metallurgy
10 03 27*	wastes from cooling-water treatment containing oil
10 04	wastes from lead thermal metallurgy
10 04 09*	wastes from cooling-water treatment containing oil
10 05	wastes from zinc thermal metallurgy
10 05 08*	wastes from cooling-water treatment containing oil
10 06	wastes from copper thermal metallurgy
10 06 09*	wastes from cooling-water treatment containing oil
10 07	wastes from silver, gold and platinum thermal metallurgy

Table S2.5 Permitted waste types and quantities for the phase separation of hazardous waste (AR3)	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Waste code	Description
10 07 07*	wastes from cooling-water treatment containing oil
10 08	wastes from other non-ferrous thermal metallurgy
10 08 19*	wastes from cooling-water treatment containing oil
10 09	wastes from casting of ferrous pieces
10 09 13*	waste binders containing hazardous substances
10 09 15*	waste crack-indicating agent containing hazardous substances
10 10	wastes from casting of non-ferrous pieces
10 10 13*	waste binders containing hazardous substances
10 10 15*	waste crack-indicating agent containing hazardous substances
10 11	wastes from manufacture of glass and glass products
10 11 09*	waste preparation mixture before thermal processing, containing hazardous substances
10 11 13*	glass-polishing and -grinding sludge containing hazardous substances
10 12	wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 11*	wastes from glazing containing heavy metals
11	WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS, NON-FERROUS HYDRO-METALLURGY
11 01	wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphatising, alkaline degreasing, anodising)
11 01 09*	sludges and filter cakes containing hazardous substances
11 01 11*	aqueous rinsing liquids containing hazardous substances
11 01 13*	degreasing wastes containing hazardous substances
11 01 15*	eluate and sludges from membrane systems or ion exchange systems containing hazardous substances
11 02	wastes from non-ferrous hydrometallurgical processes
11 02 05*	wastes from copper hydrometallurgical processes containing hazardous substances
11 02 07*	other wastes containing hazardous substances
12	WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS
12 01	wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01 06*	mineral-based machining oils containing halogens (except emulsions and solutions)
12 01 07*	mineral-based machining oils free of halogens (except emulsions and solutions)
12 01 08*	machining emulsions and solutions containing halogens
12 01 09*	machining emulsions and solutions free of halogens
12 01 10*	synthetic machining oils
12 01 12*	spent waxes and fats

Table S2.5 Permitted waste types and quantities for the phase separation of hazardous waste (AR3)	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Waste code	Description
12 01 14*	machining sludges containing hazardous substances
12 01 16*	waste blasting material containing hazardous substances
12 01 19*	readily biodegradable machining oil
12 03	wastes from water and steam degreasing processes (except 11)
12 03 01*	aqueous washing liquids
12 03 02*	steam degreasing wastes
13	OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)
13 01	waste hydraulic oils
13 01 04*	chlorinated emulsions
13 01 05*	non-chlorinated emulsions
13 01 09*	mineral-based chlorinated hydraulic oils
13 01 10*	mineral based non-chlorinated hydraulic oils
13 01 11*	synthetic hydraulic oils
13 01 12*	readily biodegradable hydraulic oils
13 01 13*	other hydraulic oils
13 02	waste engine, gear and lubricating oils
13 02 04*	mineral-based chlorinated engine, gear and lubricating oils
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
13 02 06*	synthetic engine, gear and lubricating oils
13 02 07*	readily biodegradable engine, gear and lubricating oils
13 02 08*	other engine, gear and lubricating oils
13 03	waste insulating and heat transmission oils
13 03 06*	mineral-based chlorinated insulating and heat transmission oils other than those mentioned in 13 03 01
13 03 07*	mineral-based non-chlorinated insulating and heat transmission oils
13 03 08*	synthetic insulating and heat transmission oils
13 03 09*	readily biodegradable insulating and heat transmission oils
13 03 10*	other insulating and heat transmission oils
13 04	bilge oils
13 04 01*	bilge oils from inland navigation
13 04 02*	bilge oils from jetty sewers
13 04 03*	bilge oils from other navigation
13 05	oil/water separator contents
13 05 02*	sludges from oil/water separators
13 05 03*	interceptor sludges
13 05 06*	oil from oil/water separators

Table S2.5 Permitted waste types and quantities for the phase separation of hazardous waste (AR3)	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Waste code	Description
13 05 07*	oily water from oil/water separators
13 05 08*	mixtures of wastes from grit chambers and oil/water separators
13 07	wastes of liquid fuels
13 07 01*	fuel oil and diesel
13 07 03*	other fuels (including mixtures)
13 08	oil wastes not otherwise specified
13 08 01*	desalter sludges or emulsions
13 08 02*	other emulsions
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 03	off-specification batches and unused products
16 03 03*	inorganic wastes containing hazardous substances
16 05	gases in pressure containers and discarded chemicals
16 05 06*	laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals
16 05 07*	discarded inorganic chemicals consisting of or containing hazardous substances
16 07	wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)
16 07 08*	wastes containing oil
16 07 09*	wastes containing other hazardous substances
16 08	spent catalysts
16 08 05*	spent catalysts containing phosphoric acid
16 08 06*	spent liquids used as catalysts
16 08 07*	spent catalysts contaminated with hazardous substances
16 09	oxidising substances
16 09 01*	permanganates, for example potassium permanganate
16 09 03*	peroxides, for example hydrogen peroxide
16 09 04*	oxidising substances, not otherwise specified
16 10	aqueous liquid wastes destined for off-site treatment
16 10 01*	aqueous liquid wastes containing hazardous substances
16 10 03*	aqueous concentrates containing hazardous substances
18	WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)
18 02	wastes from research, diagnosis, treatment or prevention of disease involving animals
18 02 05*	chemicals consisting of or containing hazardous substances
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

Table S2.5 Permitted waste types and quantities for the phase separation of hazardous waste (AR3)	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Waste code	Description
19 01	wastes from incineration or pyrolysis of waste
19 01 06*	aqueous liquid wastes from gas treatment and other aqueous liquid wastes
19 02	wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
19 02 04*	premixed wastes composed of at least one hazardous waste
19 02 05*	sludges from physico/chemical treatment containing hazardous substances
19 02 07*	oil and concentrates from separation
19 02 08*	liquid combustible wastes containing hazardous substances
19 02 11*	other wastes containing hazardous substances
19 07	landfill leachate
19 07 02*	landfill leachate containing hazardous substances
19 08	wastes from waste water treatment plants not otherwise specified
19 08 06*	saturated or spent ion exchange resins
19 08 07*	solutions and sludges from regeneration of ion exchangers
19 08 10*	grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
19 08 11*	sludges containing hazardous substances from biological treatment of industrial waste water
19 08 13*	sludges containing hazardous substances from other treatment of industrial waste water
19 11	wastes from oil regeneration
19 11 03*	aqueous liquid wastes
19 11 04*	wastes from cleaning of fuel with bases
19 11 05*	sludges from on-site effluent treatment containing hazardous substances
19 11 07*	wastes from flue-gas cleaning
19 13	wastes from soil and groundwater remediation
19 13 03*	sludges from soil remediation containing hazardous substances
19 13 05*	sludges from groundwater remediation containing hazardous substances
19 13 07*	aqueous liquid wastes and aqueous concentrates from groundwater remediation containing hazardous substances
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01	separately collected fractions (except 15 01)
20 01 14*	acids
20 01 15*	alkalines
20 01 17*	photochemicals
20 01 19*	pesticides
20 01 26*	oil and fat other than those mentioned in 20 01 25

Table S2.5 Permitted waste types and quantities for the phase separation of hazardous waste (AR3)	
Maximum quantity	The total quantity of wastes accepted under AR1, AR2, AR3, and AR4 shall not exceed 74,000 tonnes per year in aggregate.
Waste code	Description
20 01 27*	paint, inks, adhesives and resins containing hazardous substances
20 01 29*	detergents containing hazardous substances

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter (Note 1)	Limit (incl. unit)	Reference Period (Note 2)	Monitoring frequency (Note 5) (Note 6)	Monitoring standard or method
A1 Emission control system exhaust treatment plant R1, R2, and R3 as shown on the plan in Figure 2 Schedule 7	Treatment tanks R1, R2, and R3 vent via abatement system [chemical absorption scrubber]	Total Volatile Organic Compounds (TVOCs)	20 mg/m ³ (Note 3) (Note 8)	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 months	EN 12619
		Hydrogen Chloride (HCl) (Note 3)	5 mg/m ³ (Note 3)	Average value of 3 consecutive measurements of at least 30 minutes each (Note 3)	Every 6 months (Note 3)	EN 1911 (Note 3)
		Ammonia (NH ₃)	No limit set (Note 3)	Average value of 3 consecutive measurements of at least 30 minutes each (Note 3)	Every 6 months (Note 3)	EN ISO 21877 (Note 3)
A2 Lime storage silo dust filter as shown on the plan in Figure 2 Schedule 7	Lime storage silo dust filter	Particulate matter	No limit set	Spot Sample	Every 6 months	BS EN 13284-1
Emission point from Emission control system exhaust (oil treatment) tank S1 vent (as shown on the plan in Figure 2 Schedule 7) (Abatement and emission points to be determined upon completion)	Treatment tank vent via abatement system (Abatement to be determined upon the completion of IC11a and IC11b)	Total Volatile Organic Compounds (TVOCs)	20 mg/m ³ (Note 3) (Note 7) (Note 8)	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 months	EN 12619 (Note 3)
		Hydrogen Chloride (HCl) (Note 3)	5 mg/m ³ (Note 3) (Note 7)	Average value of 3 consecutive measurements of at least 30 minutes each (Note 3)	Every 6 months (Note 3)	EN 1911 (Note 3)
		Ammonia (NH ₃)	No limit set (Note 3) (Note 7)	Average value of 3 consecutive measurements of at least 30 minutes each (Note 3)	Every 6 months (Note 3)	EN ISO 21877 (Note 3)

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter (Note 1)	Limit (incl. unit)	Reference Period (Note 2)	Monitoring frequency (Note 5) (Note 6)	Monitoring standard or method
of IC11a and IC11b)		Specific (organic) substances from risk assessment (Note 4)	Limit contrived from H1 risk assessment completed as part of Improvement condition IC10	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 months	PD CEN/TS 13649
Emission points from emission control system exhaust (Water-based waste storage tanks S2, S3, S4, and A/STO as shown on the plan in Figure 2 Schedule 7). (Abatement and emission points to be determined upon completion of IC11a and IC11b)	Water-based liquid waste storage tank vent via abatement system (Abatement to be determined upon the completion of IC11a and IC11b)	No parameter set	No limit set	--	--	As specified in table S3.4
Emission points from emission control system exhaust (Sludge thickener and filter press) as shown on the plan in Figure 2 Schedule 7. (Abatement and emission points to be	Treatment vessel vents via abatement system (Abatement to be determined upon the completion of IC11a and IC11b)	Total Volatile Organic Compounds (TVOCs)	20 mg/m ³ (Note 3) (Note 8)	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 months	EN 12619
		Hydrogen Chloride (HCl) (Note 3)	5 mg/m ³ (Note 3)	Average value of 3 consecutive measurements of at least 30 minutes each (Note 3)	Every 6 months (Note 3)	EN 1911 (Note 3)
		Ammonia (NH ₃)	No limit set (Note 3)	Average value of 3 consecutive measurements	Every 6 months (Note 3)	EN ISO 21877 (Note 3)

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter (Note 1)	Limit (incl. unit)	Reference Period (Note 2)	Monitoring frequency (Note 5) (Note 6)	Monitoring standard or method
determined upon completion of IC11a and IC11b)				of at least 30 minutes each (Note 3)		
Note 1: In addition the operator shall also monitor for relevant waste gas parameters as required: flow, temperature, average concentration/load values of relevant substances (e.g. organic compounds, POPs such as PCBs) flammability, lower and upper explosive limits, reactivity and other substances which may affect gas treatment or plant safety (e.g. oxygen, nitrogen, water vapour, dust). Note 2: To the extent possible, the measurements shall be carried out at the highest expected emission state under normal operating conditions. Note 3: This monitoring requirement and limit only applies when the substance is present in the waste gas stream. Note 4: All speciated VOCs and their concentrations shall be reported. Note 5: An alternative monitoring frequency may be agreed in writing with Environment Agency following completion of IC10. Note 6: Monitoring frequencies may be reduced with the written agreement of the Environment Agency if emission levels are proven to be sufficiently stable. Note 7: An alternative limit may be agreed in writing with the Environment Agency following the completion of IC10. Note 8: The upper end of the range is 45 mg/m³ when the emission load is below 0.5 kg/h at the emission point.						

Table S3.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter (Note 1)	Limit (incl. unit) (Note 6)	Reference period (Note 2)	Monitoring frequency (Note 4 and 5)	Monitoring standard or method
F1 - Emissions point F1 on site plan in Figure 2 schedule 7 – emission to Thames Water Blackbirds Wastewater Treatment Works	Uncontaminated surface waters via surface water collection pit.	Oil or grease	None visible	-	Daily	Visual Assessment
	Treatment process effluent – treatment of water-based liquid waste	Arsenic (expressed as As) (Note 3 and 7)	0.1 mg/l	-	Daily	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Cadmium (expressed as Cd) (Note 3 and 7)	0.1 mg/l	-	Daily	EN ISO 11885 EN ISO 17294-2 EN ISO 15586

Table S3.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter (Note 1)	Limit (incl. unit) (Note 6)	Reference period (Note 2)	Monitoring frequency (Note 4 and 5)	Monitoring standard or method
		Chromium (expressed as Cr) (Note 3 and 7)	0.3 mg/l	-	Daily	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Hexavalent chromium (expressed as Cr (VI)) (Note 3 and 7)	0.1 mg/l	-	Daily	EN ISO 10304-3 EN ISO 23913
		Copper (expressed as Cu) (Note 3 and 7)	0.5 mg/l	-	Daily	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Lead (expressed as Pb) (Note 3 and 7)	0.3 mg/l	-	Daily	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Manganese (Note 3)	No limit set	-	Daily	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Mercury (expressed as Hg) (Note 3 and 7)	10 µg/l	-	Daily	BS EN 12846 BS EN ISO 17852
		Nickel (expressed as Ni) (Note 3 and 7)	1 mg/l	-	Daily	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Zinc (Note 3 and 7)	2 mg/l	-	Daily	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Hydrocarbon oil index (HOI) (Note 7)	10 mg/l	-	Daily	EN ISO 9377-2
		Free cyanide (CN ⁻) (Note 3 and 7)	0.1 mg/l	-	Daily	EN ISO 14403-1 EN ISO 14403-2

Table S3.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site – emission limits and monitoring requirements

Emission point ref. & location	Source	Parameter (Note 1)	Limit (incl. unit) (Note 6)	Reference period (Note 2)	Monitoring frequency (Note 4 and 5)	Monitoring standard or method
		Adsorbable organically bound halogens (AOX) (Note 3 and 7)	1 mg/l	-	Daily	EN ISO 9562
		Benzene, toluene, ethylbenzene, xylene (BTEX) (Note 3 and 7)	No limit set	-	Monthly	EN ISO 15680
		PFOA (Note 3)	No limit set	-	Every 6 months	BS ISO 25101
		PFOS (Note 3)	No limit set	-	Every 6 months	BS ISO 25101
		Total Silver (expressed as Ag)	1.0 mg/l	Composite	Monthly	Monitoring discharges to water: CEN, ISO, British Standard and SCA (Note 8)
		Monohydric Phenols	8.0 mg/l	Composite	Monthly	Monitoring discharges to water: CEN, ISO, British Standard and SCA (Note 8)
		Formaldehyde as HCHO	5.0 mg/l	Composite	Monthly	Monitoring discharges to water: CEN, ISO, British Standard and SCA (Note 8)
		Sulphides (expressed as S)	5.0 mg/l	Composite	Monthly	Monitoring discharges to water: CEN, ISO, British Standard and SCA (Note 8)

Table S3.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site – emission limits and monitoring requirements

Emission point ref. & location	Source	Parameter (Note 1)	Limit (incl. unit) (Note 6)	Reference period (Note 2)	Monitoring frequency (Note 4 and 5)	Monitoring standard or method
		Sulphates (expressed as SO ₄)	1500 mg/l	Composite	Monthly	Monitoring discharges to water: CEN, ISO, British Standard and SCA (Note 8)
		Chlorine (expressed as HOCl)	25 mg/l	Composite	Monthly	Monitoring discharges to water: CEN, ISO, British Standard and SCA (Note 8)
		Ammonia (expressed as N)	100 mg/l	Composite	Monthly	Monitoring discharges to water: CEN, ISO, British Standard and SCA (Note 8)
		Fluoride	No limit set	--	Quarterly	Periodic Monitoring discharges to water: CEN, ISO, British Standard and SCA (Note 8)
		Bromides	No limit set	--	Quarterly	Periodic Monitoring discharges to water: CEN, ISO, British Standard and SCA (Note 8)

Note 1: In addition, the operator shall also monitor for relevant waste water parameters as required for example flow, pH, temperature, conductivity, BOD

Note 2: Relevant reference period:

- In the case of continuous discharge, daily average values, i.e. 24-hour flow-proportional composite samples.
- In the case of batch discharge, average values over the release duration taken as flow-proportional composite samples, or, provided that the effluent is appropriately mixed and homogeneous, a spot sample taken before discharge.

Note 3: This substance is only required to be monitored where present in the waste water emissions inventory.

Table S3.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter (Note 1)	Limit (incl. unit) (Note 6)	Reference period (Note 2)	Monitoring frequency (Note 4 and 5)	Monitoring standard or method
Note 4: An alternative monitoring frequency may be agreed in writing with the Environment Agency following completion of IC10. Note 5: Monitoring frequencies may be reduced with the written agreement of the Environment Agency if emission levels are proven to be sufficiently stable, or in the case of a batch discharge less than the minimum monitoring frequency where monitoring is carried out once per batch. Note 6: The BAT-AEL may not apply if the downstream waste water treatment plant abates the pollutant concerned, provided this does not lead to a higher level of pollution in the environment. The operator may request in writing to disapply the BAT-AEL, supported by a revised H1 Assessment and confirmation from the sewerage undertaker that the waste water treatment plant abates the pollutant concerned. Note 7: in the case of an indirect discharge to a receiving water body, the monitoring frequency may be reduced if the downstream waste water treatment plant abates the pollutants concerned. Note 8: Alternative monitoring methods to those stated may be utilised with written agreement from the Environment Agency.						

Table S3.3 Other monitoring requirements				
Location or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other Specifications (Note 1)
Borehole – Monitoring well 1 as shown in Emissions points plan in Figure 2 schedule 7	Cadmium	Quarterly	Periodic	Monitoring discharges to water: CEN, ISO, British Standard and SCA monitoring methods.
Borehole – Monitoring well 2 as shown in Emissions points plan in Figure 2 schedule 7	Cadmium	Quarterly	Periodic	Monitoring discharges to water: CEN, ISO, British Standard and SCA monitoring methods.
Borehole – Monitoring well 3 as shown in Emissions points plan in Figure 2 schedule 7	Cadmium	Quarterly	Periodic	Monitoring discharges to water: CEN, ISO, British Standard and SCA monitoring methods.
Borehole – Monitoring well 1 as shown in Emissions points plan in Figure 2 schedule 7	Mercury	Quarterly	Periodic	Monitoring discharges to water: CEN, ISO, British Standard and SCA monitoring methods.
Borehole – Monitoring well 2 as shown in	Mercury	Quarterly	Periodic	Monitoring discharges to

Table S3.3 Other monitoring requirements				
Location or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other Specifications (Note 1)
Emissions points plan in Figure 2 schedule 7				water: CEN, ISO, British Standard and SCA monitoring methods.
Borehole – Monitoring well 3 as shown in Emissions points plan in Figure 2 schedule 7	Mercury	Quarterly	Periodic	Monitoring discharges to water: CEN, ISO, British Standard and SCA monitoring methods.
Note 1: Alternative monitoring methods to those stated may be utilised with written agreement from the Environment Agency.				

Table S3.4 Process monitoring requirements				
Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other Specifications
Chemical absorption scrubber on emission point A1 from treatment plants (R1, R2, R3 as shown on site plan in Figure 2 Schedule 7)	Efficiency assessment	As specified in the agreed abatement plan	Chemical absorption scrubber shall be installed, maintained, operated and replaced in accordance with the manufacturer's recommendations.	-
Abatement on emission points from treatment units (S1, sludge thickener, and filter press as shown on site plan in Figure 2 Schedule 7) (Abatement and emission points to be determined upon completion of IC11a and IC11b)	Efficiency assessment	As specified in the agreed abatement plan outlined in IC11a and IC11b	Abatement shall be installed, maintained, operated and replaced in accordance with the manufacturer's recommendations and with the agreed abatement plan outlined in IC11a and IC11b.	-
Abatement on emission points from storage tanks (S2, S3, S4, and A/STO as shown on site plan in Figure 2 Schedule 7) (Abatement and emission points to be determined upon completion of IC11a and IC11b)	Efficiency assessment	As specified in the agreed abatement plan outlined in IC11a and IC11b	Abatement shall be installed, maintained, operated and replaced in accordance with the manufacturer's recommendations and with the agreed abatement plan outlined in IC11a and IC11b.	-

Schedule 4 – Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

Table S4.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	First period begins
Emissions to air Parameters as required by condition 3.5.1.	A1, A2, and Emission points from treatment units (Reaction tanks, oil treatment tank, sludge thickener, and filter press) (Abatement and emission points for oil treatment tank, sludge thickener, and filter press to be determined upon completion of IC11a and IC11b)	Every 6 months	1 January
Emissions to sewer Parameters as required by condition 3.5.1	F1	Annually	1 January
Process monitoring Parameters as required by condition 3.5.1	As agreed in writing by the Environment Agency.	Annually, or as agreed in writing by the Environment Agency.	1 January
Ground water monitoring Parameters as required by condition 3.5.1	Borehole monitoring wells 1, 2, 3	Annually	1 January

Table S4.2 Annual production/treatment	
Parameter	Units
Hazardous waste treated - Recovery	tonnes
Hazardous waste treated - Disposal	tonnes
Non-hazardous waste treated - Disposal	tonnes

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Reduction in toxic six metals (Cd, Pb, Cr, Cu, Ni, Zn) between incoming waste and outgoing effluent	Monthly	% reduction (mg/l)
Water usage	Annually	cubic metres
Energy usage	Annually	MWh
Total raw material used	Annually	tonnes

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Emissions to air	Emissions to Air Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	08/03/2021
Emissions to sewer	Emissions to Sewer Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	08/03/2021
Water usage	Water Usage Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	08/03/2021
Energy usage	Energy Usage Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	08/03/2021
Other performance indicators	Other Performance Parameters Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	08/03/2021

Schedule 5 – Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substance(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the breach of permit conditions not related to limits	
To be notified within 24 hours of detection	
Condition breached	
Date, time and duration of breach	
Details of the permit breach i.e. what happened including impacts observed.	
Measures taken, or intended to be taken, to restore permit compliance.	

(d) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B – to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

“accident” means an accident that may result in pollution.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“authorised officer” means any person authorised by the Environment Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

“blending or mixing” is the combination of wastes (other than repackaging) of the same general type (for example non-halogenated solvents or acids) having similar characteristics, in a container or bulk vessel or tank, where there is neither reaction of the mixed wastes nor evolution of gas.

“building” is a covered structure enclosed on all vertical sides that provides sheltered cover and contains emissions of, for example, noise, particulate matter, odour and litter.

“container” is a receptacle for waste for example bags, bins, boxes, drums, IBCs and blister packs. Wastes may be packaged in more than one receptacle for example a bag in a box.

“D” means a disposal operation provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on Waste.

“disposal” means any of the operations provided for in Annex I to the Waste Framework Directive.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission or background concentration limit.

“emissions to land” includes emissions to groundwater.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“fugitive emission” means an emission to air, water or land from the activities which is not controlled by an emission limit.

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

“hazardous property” has the meaning in Annex III of the Waste Framework Directive.

“hazardous waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005.

“impermeable surface” means a surface or pavement constructed and maintained to a standard sufficient to prevent the transmission of liquids beyond the pavement surface.

“Industrial Emissions Directive” means Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“List of Wastes” means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste, as amended from time to time.

“Leak detection and repair (LDAR) programme” means a structured approach to reduce fugitive emissions of organic compounds by detection and subsequent repair or replacement of leaking components. Currently, sniffing (described by EN 15446) and optical gas imaging methods are available for the identification of leaks under BAT 14 and section 6.2 of the Waste Treatment BAT Conclusions, Aug 2018.

“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

“pests” means birds, vermin and insects.

“pollution” includes pollution of the environment, harm to human health and serious detriment to the amenities of the locality, resulting from the permitted activities.

“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“R” means a recovery operation provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on Waste.

“recovery” means any of the operations provided for in Annex II to the Waste Framework Directive.

“sealed container” for the purposes of this permit, means a container which is fully enclosed, weather proof, does not allow any solid or liquid content to escape and is lockable.

“sealed drainage” in relation to an impermeable surface means a drainage system with impermeable components which does not leak and which will ensure that:

- no liquid will run off the surface otherwise than via the system, and
- except where they may lawfully be discharged to foul sewer, all liquids entering the system are collected in a sealed sump

“volatile organic compound” (VOC) means any organic compound as well as the fraction of creosote, having at 293.15 K a vapour pressure of 0.01 kPa or more, or having a corresponding volatility under the particular conditions of use.

“waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes and in relation to hazardous waste, includes the asterisk.

“waste oils” means any mineral or synthetic lubrication or industrial oils which have become unfit for the use for which they were originally intended, such as used combustion engine oils and gearbox oils, lubricating oils, oils for turbines and hydraulic oils.

“Waste Framework Directive” or “WFD” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“year” means calendar year ending 31 December.

Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.

When the following terms appear in the waste code list in Schedule 2, table 2.2, 2.3, or 2.4), for those tables, they have the meaning given below:

“hazardous substance” means a substance classified as hazardous as a consequence of fulfilling the criteria laid down in parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008.

“heavy metal” means any compound of antimony, arsenic, cadmium, chromium (VI), copper, lead, mercury, nickel, selenium, tellurium, thallium and tin, as well as these materials in metallic form, as far as these are classified as hazardous substances.

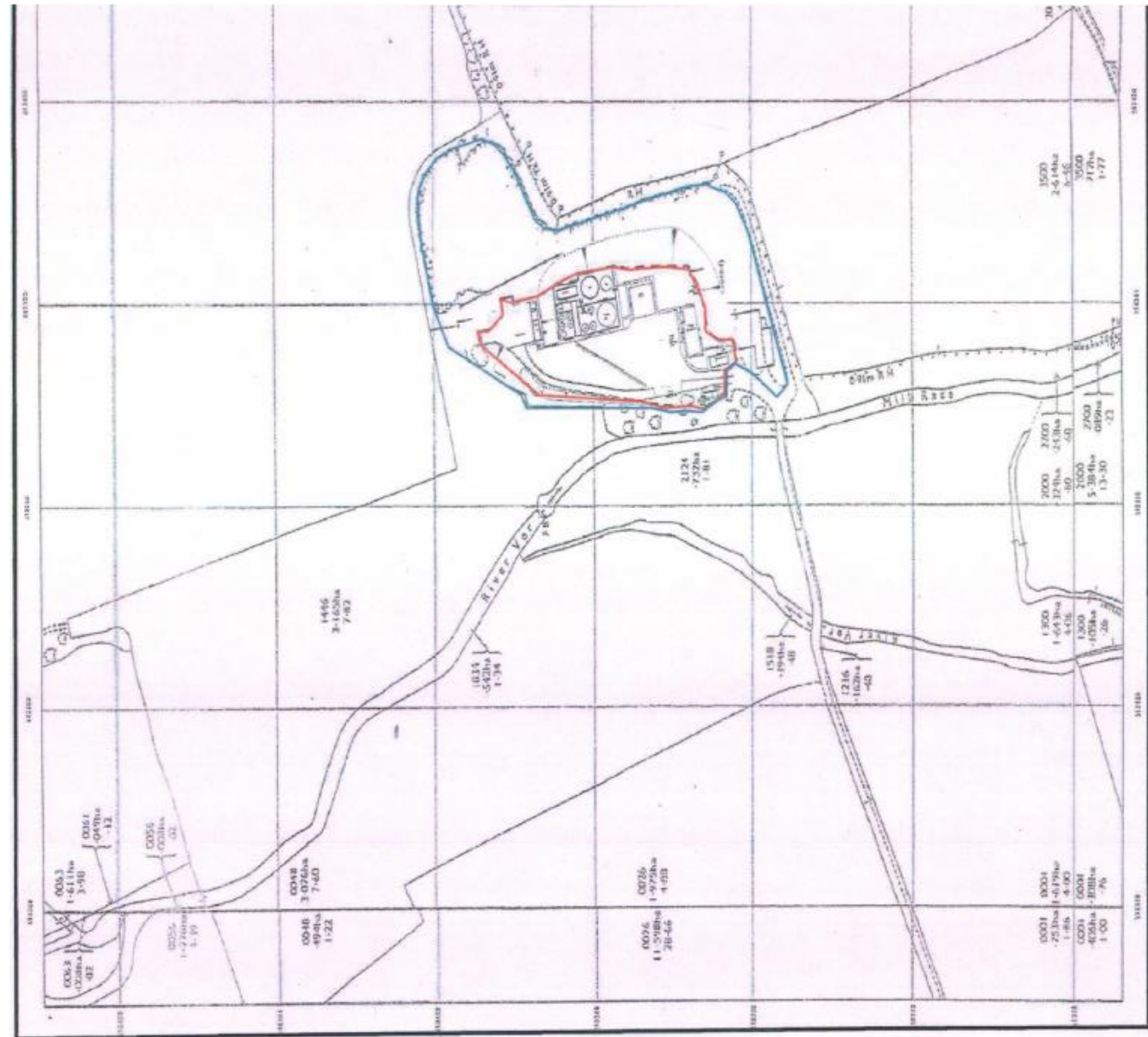
“PCBs” means

- polychlorinated biphenyls
- polychlorinated terphenyls
- monomethyl-tetrachlorodiphenyl methane, Monomethyl-dichloro-diphenyl methane, Monomethyldibromo-diphenyl methane
- any mixture containing any of the above mentioned substances in a total of more than 0.005% by weight.

“transition metals” means any of the following metals: any compound of scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum, as well as these materials in metallic form, as far as these are classified as hazardous substances

Schedule 7 – Site plan

Figure 1 – Site permit boundary (Red)



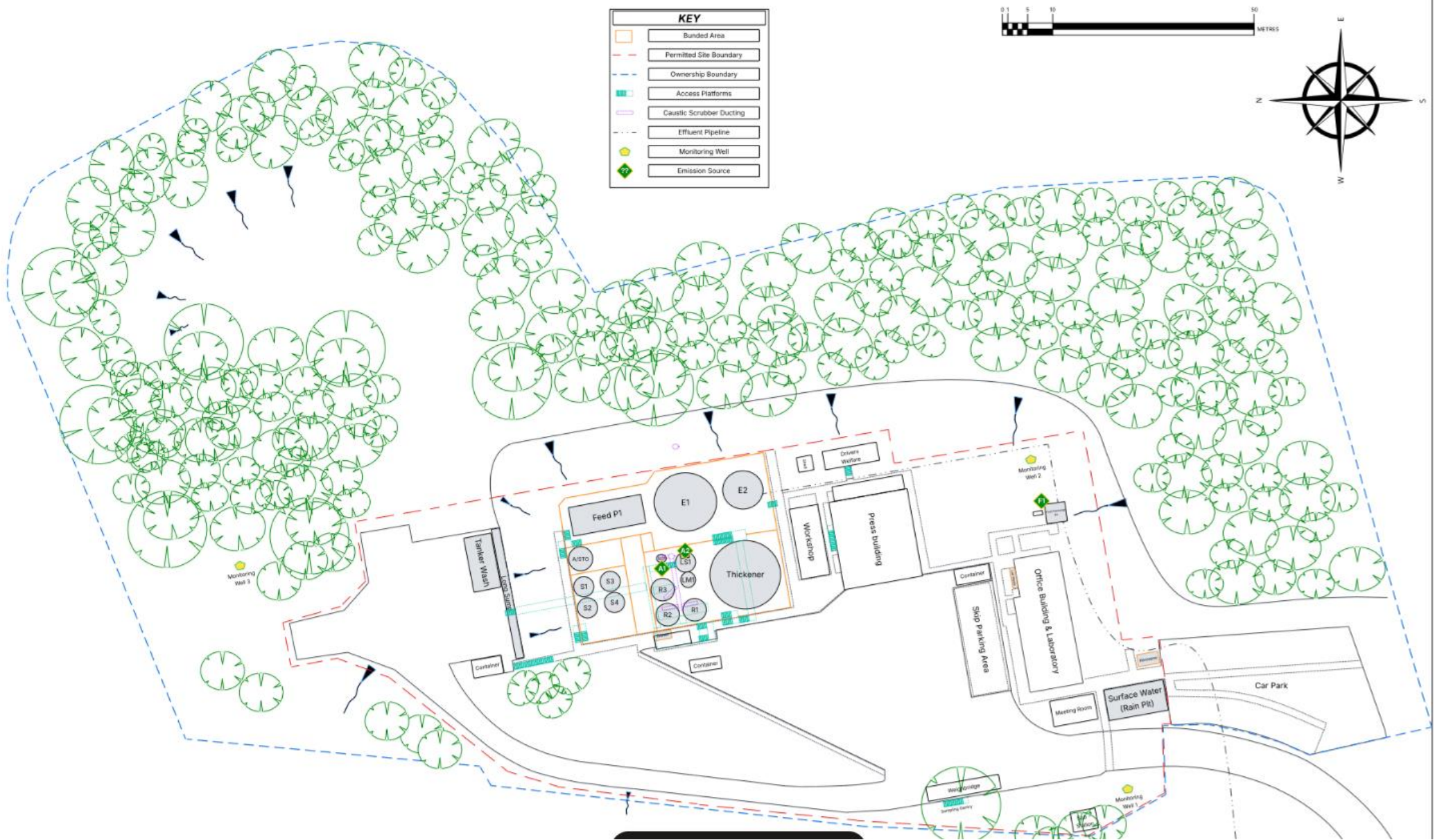


Figure 2 – Site emission points and infrastructure.

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END OF PERMIT

