

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Augean Treatment Limited
Port Clarence Waste Recovery Park
Port Clarence Landfill Site
Off Huntsman Drive
Stockton on Tees
TS2 1UE

Variation application number

EPR/YP3234XR/V002

Consolidated permit number

EPR/YP3234XR

Port Clarence Waste Recovery Park

Permit number EPR/YP3234XR

Introductory note

This introductory note does not form a part of the notice.

The following notice gives notice of the variation of environmental permits Port Clarence Waste Recovery Park(EPR/YP3234XR) and Port Clarence Treatment Facility (EPR/QP3031TY) and consolidates two adjacent sites. The two sites are referred to in the status logs below and the replacement of those permits with a consolidated environmental permit. Both of the permits are operated by Augean Treatment Limited.

This variation also implements the changes imposed by The Environmental Permitting (England and Wales) (Amendment) Regulations 2013 which transpose the requirements of the Industrial Emissions Directive (IED).

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 permit A: EPR/YP3234XR		
Description	Date	Comments
Application received EPR/YP3234XR/A001	Duly made 07/04/08	Application for waste treatment and recovery facility. The treatment includes thermal desorption, plasma vitrification, leachate treatment, anaerobic digestion, treatment of liquid waste in a tank farm and a transfer station facility.
Permit determined EPR/YP3234R	15/05/09	Original permit issued to Augean Treatment Limited.
Variation EPR/YP3234XR/V002 (variation and consolidation) issued (Billing Ref: MP3232NW)	28/05/15	Environment Agency variation to vary and update the permit to modern conditions and to implement IED requirements.

Other Part A installation permits relating to permit A: EPR/YP3234XR		
Operator	Permit number	Date of issue
Augean North Limited	EPR/BV1399IT	27/02/04
Augean North Limited	EPR/BV1402IC	14/07/04

Status log of permit B: EPR/QP3031TY		
Description	Date	Comments
Application EPR/XP3032XH/A001	Duly made 31/03/08	Application by Teramundo Limited to treat soils.
Additional Information Received	04/09/08	-
Additional Information Received	25/09/08	-
Notice requiring further information	19/09/08	Received 17/10/08
Application to change operator	20/10/08	Changed the operator to Augean North Limited.
Additional information	Requested 05/11/08	Received 19/11/08
Additional information	Requested 06/11/08	Received 26/11/08
Additional information	19/12/08	-
Email from operator	20/01/09	-
Additional information	Requested 09/01/09	-
Additional information	18/03/09	-
Permit determined EPR/XP3032XH	10/12/09	Original permit issued to Augean North Limited.
Application to transfer EPR/QP3031TY/T001(full transfer of permit EPR/XP3032XH)	Duly made 23/06/10	Application to transfer the permit in full from Augean North Limited to Augean Treatment Limited.
Permit Transferred EPR/ QP3031TY	16/08/10	Permit transferred to Augean Treatment Limited.
Variation determined (Consolidating EPR/QP3031TY and EPR/YP3234XR) Consolidated permit number EPR/YP3234XR (Billing Ref: MP3232NW)	28/05/15	Consolidated permit issued.

Other Part A installation permits relating to permit B: EPR/QP3031TY		
Operator	Permit number	Date of issue
Augean North Limited	EPR/BV1399IT	27/02/04
Augean North Limited	EPR/ BV1402IC	14/07/04

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulations 18 and 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies and consolidates environmental permits

Permit numbers

EPR/QP3031TY

EPR/YP3234XR

Issued to

Augean Treatment Limited (“the operator”)

whose registered office is

4 Rudgate Court

Walton

Wetherby

West Yorkshire

LS23 7BF

company registration number **04062656**

Part of regulated facilities and waste operations at

Port Clarence Waste Recovery Park

Port Clarence Landfill Site

Off Huntsman Drive

Stockton on Tees

TS2 1UE

to the extent set out in the schedules.

The notice shall take effect from 28/05/15

The number of the consolidated permit is EPR/YP3234XR

Name	Date
Claire Roberts	28/05/15

Authorised on behalf of the Environment Agency

Schedule 1 – changes in the permit

Note: The condition numbers used in this schedule refer to those in the consolidated permit.

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

Specifically, we have updated Table S1.1 as a result of the implementation of the Industrial Emissions Directive (IED).

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number

EPR/YP3234XR

This is the consolidated permit referred to in the variation and consolidation notice for application **EPR/YP3234XR/V002** authorising,

Augean Treatment Limited (“the operator”),

whose registered office is

**4 Rudgate Court
Walton
Wetherby
West Yorkshire
LS23 7BF**

company registration number **04062656**

to operate part of an installation and waste operations at

**Port Clarence Waste Recovery Park
Port Clarence Landfill Site
Off Huntsman Drive
Stockton on Tees
TS2 1UE**

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

Name	Date
Claire Roberts	28/05/15

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) for the following activities referenced in schedule 1, table S1.1 AR3 to AR27, take appropriate measures to ensure that energy is used efficiently in the activities;
 - (b) for the following activities referenced in schedule 1, table S1.1 AR1 and AR2, take appropriate measures to ensure that energy is recovered with a high level of energy efficiency and energy is used efficiently in the activities;
 - (c) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
 - (d) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

- 1.3.1 For the following activities referenced in schedule 1, table S1.1 AR1 to AR27, 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.

1.5 Multiple operator installations

1.5.1 Where the operator notifies the Environment Agency under condition 4.3.1 (a) or 4.3.1 (c), the operator shall also notify without delay the other operator(s) of the installation of the same information.

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 For the following activities referenced in schedule 1, table S1.1 AR1 to AR37, 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 green on the site plan at schedule 7 to this permit, which is within the area edged in red on the site plan that represents the extent of the installation covered by this permit and that the other operator of the installation.

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, S2.5, S2.6, S2.7, S2.8, S2.9, S2.10, S2.11 S2.12, S2.13 and within the limitations in Tables S2.2A, S2.11A, S2.12A, and S2.13A; 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.

Waste battery and accumulator treatment

2.3.7 Treatment of waste batteries and accumulators must meet the minimum requirements set out in Annex III, Part A of Directive 2006/66/EC of the European Parliament and of the Council on batteries and accumulators and waste batteries and accumulators and repealing Directive 91/157/EEC.

Hazardous waste storage and treatment

2.3.8 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.

2.3.9 For the following activities referenced in schedule 1, table S1.1 AR1 and AR2, the operator shall burn only those hazardous wastes where the throughputs, calorific values and pollutant compositions are within the ranges specified in table S2.10 of schedule 2.

2.3.10 For the following activities referenced in schedule 1, table S1.1 AR1 and AR2, the operator shall ensure that prior to accepting waste subject to condition 2.3.9 at the site, it has obtained sufficient information about the hazardous wastes to be burned to demonstrate compliance with the characteristics described in condition 2.3.9.

2.3.11 For the following activities referenced in schedule 1, table S1.1 AR1 and AR2 the operator shall take representative samples of all hazardous waste deliveries to the site unless otherwise agreed in writing with the Environment Agency and test a representative selection of these samples to verify conformity with the information obtained as required by condition 2.3.10. These samples shall be retained for inspection by the Environment Agency for a period of at least 1 month after the material is incinerated and results of any analysis made of such samples will be retained for at least 2 years after the material is incinerated.

2.3.12 For the following activities referenced in schedule 1, table S1.1 AR1 and AR2, waste fuel shall not be charged, or shall cease to be charged, if:

- (a) the combustion chamber temperature is below, or falls below,
 - (i) for non-hazardous waste and hazardous waste where the content of halogenated organic substances (as chlorine) does not exceed 1%: 850°C or
 - (ii) for hazardous waste where the content of halogenated organic substances exceeds 1% (as chlorine): 1100°C
- (b) any continuous emission limit value in schedule 3 table S3.1(a) is exceeded; or
- (c) any continuous emission limit value in schedule 3 table S3.1 is exceeded, other than under abnormal operating conditions; or
- (d) monitoring results required to demonstrate compliance with any continuous emission limit value in schedule 3 table S3.1 are unavailable other than under abnormal operating conditions.

- 2.3.13 For the following activities referenced in schedule 1, table S1.1 AR1 and AR2, the operator shall have at least one auxiliary burner in each line at start up or shut down or whenever the operating temperature falls below that specified in condition 2.3.12, as long as incompletely burned waste is present in the combustion chamber. Unless the temperature specified in condition 2.3.12 is maintained in the combustion chamber, such burner(s) may be fed only with fuels which result in emissions no higher than those arising from the use of gas oil, liquefied gas or natural gas.
- 2.3.14 For the following activities referenced in schedule 1, table S1.1 AR1 and AR2 the operator shall record the beginning and end of each period of "abnormal operation".
- 2.3.15 For the following activities referenced in schedule 1, table S1.1 AR1 and AR2 during a period of "abnormal operation", the operator shall restore normal operation of the failed equipment or replace the failed equipment as rapidly as possible.
- 2.3.16 For the following activities referenced in schedule 1, table S1.1 AR1 and AR2 where, during "abnormal operation", on an incineration line any of the following situations arise, waste shall cease to be charged on that line until normal operation can be restored:
- (a) continuous measurement shows that an emission exceeds any emission limit value in schedule 3 table S3.1 due to disturbances or failures of the abatement systems, or continuous emission monitor(s) are out of service, as the case may be, for a total of 4 hours uninterrupted duration;
 - (b) the cumulative duration of " abnormal operation" periods over 1 calendar year has reached 60 hours;
 - (c) continuous measurement shows that an emission exceeds any emission limit value in schedule 3 table S3.1(a) due to disturbances or failures of the abatement systems; and
 - (d) continuous emissions monitors or alternative techniques to demonstrate compliance with the emission limit value(s) for particulates, TOC and CO in schedule 3 table S3.1(a), as detailed in the application or as agreed in writing with the Environment Agency, are unavailable.
- 2.3.17 For the following activities referenced in schedule 1, table S1.1 AR1 and AR2, the operator shall interpret the end of the period of "abnormal operation" as the earliest of the following:
- (a) when the failed equipment is repaired and brought back into normal operation;
 - (b) when the operator initiates a shutdown of the waste fuel combustion activity, as described in the application or as agreed in writing with the Environment Agency;
 - (c) when a period of four hours has elapsed from the start of the "WID abnormal operation";
 - (d) when, in any calendar year, an aggregated period of 60 hours "abnormal operation" has been reached for a given incineration line.
- 2.3.18 For the following activities referenced in schedule 1, table S1.1 AR1 and AR2, bottom ash and APC residues shall not be mixed.

WEEE treatment

- 2.3.19 The storage (including temporary storage) and treatment of WEEE shall be carried out in accordance with the technical requirements of Annex III of the WEEE Directive.
- 2.3.20 WEEE shall be treated using best available treatment, recovery and recycling techniques (BATRRRT).
- 2.3.21 As a minimum, the substances, preparations and components specified in table 2.3A shall be removed from any separately collected WEEE.

Table 2.3A Substances, preparations and components to be removed from separately collected WEEE

- Capacitors containing Polychlorinated biphenyls (PCB)
- Mercury-containing components, such as switches or backlighting lamps
- Batteries
- Printed circuit boards of mobile phones generally, and of other devices if the surface of the printed circuit board is greater than 10 square centimetres
- Toner cartridges, liquid and pasty as well as colour toner
- Plastic containing brominated flame retardants
- Asbestos waste and components which contain asbestos
- Cathode ray tubes
- Chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC), hydrofluorocarbons (HFC), or hydrocarbons (HC)
- Gas discharge lamps
- Liquid crystal displays (together with their casing where appropriate) of a surface greater than 100 square centimetres and all those back-lighted with gas discharge lamps
- External electric cables
- Components containing refractory ceramic fibres
- Components containing radioactive substances with the exception of components that are below the exemption thresholds set in Article 3 of and the Annex I to Council Directive 96/29/Euratom of 13 May 1996 laying down basic safety standards for the protection of the health of workers and the general public against the dangers arising from ionising radiation
- Electrolytic capacitors containing “substances of concern” (height > 25mm, diameter > 25 mm or proportionately similar volume)

2.3.22 All fluids contained within any WEEE shall be removed prior to further treatment.

2.3.23 Separately collected components of WEEE specified in table 2.3B shall be treated in accordance with the methods specified in that table.

Table 2.3B Specified Treatment Methods for separately collected components of WEEE

Component	Specified Treatment
Cathode ray tubes	The fluorescent coating shall be removed.
Gas discharge lamps	The mercury shall be removed.

2.3.24 Equipment shall be provided to record the weight of untreated WEEE accepted at, and components and materials leaving the site.

2.3.25 The storage (including temporary storage) and treatment of waste motor vehicles shall meet the requirements of article 6(1) of the End-of-Life Vehicles Directive.

2.4 Improvement programme

2.4.1 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.

2.4.2 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.

2.5 Pre-operational conditions

- 2.5.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.4 have been completed.
- 2.5.2 The operations specified in schedule 1 table S1.4 shall not commence until the measures specified in that table have been completed.

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 S3.1(a).
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Total annual emissions from the emission point(s) set out in schedule 3 tables S3.1, S3.1(a) and S3.2 of a substance listed in schedule 3 table S3.2 shall not exceed the relevant limit in table S3.2.
- 3.1.4 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 S3.1(a);
 - (b) landfill gas specified in table S3.5;
 - (c) ambient air monitoring specified in table S3.6;
 - (d) process monitoring specified in table S3.3; and
 - (e) residue quality 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, 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.

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;
- (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule; and
- (d) the functioning and monitoring of the incineration plant in a format agreed with the Environment Agency. The report shall, as a minimum requirement (as required by Chapter IV of the Industrial Emissions Directive) give an account of the running of the process and the emissions into air and water compared with the emission standards in the IED.

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 For the following activities referenced in schedule 1, table S1.1 AR1 and AR2, 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, if during that quarter the total amount accepted exceeds 100 tonnes of non-hazardous waste or 10 tonnes of hazardous waste.
- 4.2.6 For the following activities referenced in schedule 1, table S1.1 AR3 to AR37, 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 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, 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 "without delay", in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities			
Activity ref.⁽¹⁾	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
AR1 (Waste Wood Energy Recovery)	S1.2 A (d): Gasification or liquefaction of coal or other fuels in installations with a total rated thermal input of 20 megawatts or more.	R1 – Gasification of wood to produce gas which is in turn burned to produce electricity; D9 – Treatment of non hazardous waste; D15 – Storage of hazardous waste prior and post treatment, prior to disposal; D13 – Mixing and blending of waste; and R13 – Storage of hazardous waste prior to recovery.	From receipt of waste wood and other raw materials and storage of residues from the burning. Waste to be stored, treated and handled within the appropriate building or sealed container in an appropriately bunded area or as otherwise agreed with the Environment Agency. Waste types and quantities specified in Table S2.8.
	Section 1.1 B (b) (iii) : Burning any fuel in an appliance with a rated thermal input of greater than 20 megawatts, but less than 50 megawatts	R1 – Burning of wood to produce steam and heat; D9 – Treatment of non hazardous waste; D15 – Storage of hazardous waste prior and post treatment., prior to disposal; D13 – Mixing and blending of waste; and R13 – Storage of hazardous waste prior to recovery.	

Table S1.1 activities

Activity ref. ⁽¹⁾	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
AR2 (Plasma treatment)	S5.1 A(1)(a): The incineration of hazardous waste in a waste incineration plant or waste co-incineration plant with a capacity exceeding 10 tonnes per day	D10 – Incineration using plasma treatment; D9 – Treatment of hazardous waste; D9 – Treatment of non hazardous waste; D15 – Storage of hazardous waste prior and post treatment., prior to disposal;	From receipt of waste materials and other raw materials and storage of residues from the process. Waste types and quantities specified in Table S2.9.
	S5.1A (1)(b): The incineration of non-hazardous waste in a waste incineration plant or waste co-incineration plant with a capacity exceeding 3 tonnes per hour.	D13 – Mixing and blending of waste; and R13 – Storage of hazardous waste prior to recovery.	
AR3 (Thermal Desorption)	S5.3 A (1) (a) (ii) – Recovery of hazardous waste with a capacity exceeding 10 tonnes per day by physico- chemical treatment	R3 – Recovery of organics by heat treatment; and R5 – Recovery of contaminated soils.	Waste to be stored, treated and handled within the ITD building or sealed container in an appropriately bunded area or as otherwise agreed with the Environment Agency. Waste types and quantities specified in Table S2.2 and limitations to treatment as specified in Schedule 2 Table S2.2A.
	S5.4 A (1) (a) (ii) – Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day by physico-chemical treatment	D9 – Treatment of non-hazardous wastes by thermal desorption in a facility with a capacity > 50 tonnes per day.	
	S5.3 A (1) (a) (iii) – Disposal of hazardous waste with a capacity exceeding 10 tonnes per day by blending or mixing of hazardous waste prior to submission to of other activities listed in this section	D13 – Mixing and blending of wastes.	

Table S1.1 activities

Activity ref. ⁽¹⁾	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
	or S5.1		
	S5.3 A (1) (a) (iii) – Recovery of hazardous waste with a capacity exceeding 10 tonnes per day by blending or mixing of hazardous waste prior to submission to of other activities listed in this section or S5.1	R3 – Recovery of organic materials; and R5 – Recovery inorganic materials.	
	S5.6 A (1) (a) (i) – Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes	R13 – Storage of hazardous waste, prior to recovery; and D15 – Storage of hazardous waste, prior to disposal.	
AR4 (Tank Farm)	S5.3 A (1) (a) (ii) - Disposal of hazardous waste with a capacity exceeding 10 tonnes per day by physico-chemical treatment	D9 – Conversion of chrome-6 to chrome-3; D9 – Cyanide oxidation; D9 – Neutralisation and precipitation of hazardous waste; and D9 – Filtration/separation of hazardous waste.	Waste to be stored, treated and handled within the appropriate sealed container in an appropriately bunded area or as otherwise agreed with the Environment Agency. Waste types and quantities specified in Table S2.5
	S5.4 A (1) (a) (ii) – Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day by physico- chemical treatment.	D9 – Neutralisation and precipitation of non-hazardous waste; and D9 – Filtration/separation of non-hazardous waste.	
	S5.3 A (1) (a) (ii) - Recovery of hazardous waste with a capacity exceeding 10 tonnes per day by	R3 - Recovery of oil by heat, centrifugation, and filtration; and	

Table S1.1 activities

Activity ref. ⁽¹⁾	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
	physico-chemical treatment	R3 - Phase separation of oil/water/solvent mixtures.	
	S5.6 A (1) (a) (i) – Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes	R13 – Storage of hazardous waste, prior to recovery; and D15 – Storage of hazardous waste, prior to disposal.	
AR5 (Effluent Treatment)	Section 5.3 A (1) (a) (i) Disposal of hazardous waste with a capacity exceeding 10 tonnes per day by biological treatment	D8 – Treatment of effluent classed as hazardous in the aerobic phase; and D8 – Treatment of effluent classed as hazardous in the anaerobic phase.	Waste to be stored, treated and handled within the appropriate sealed container in an appropriately bunded area or as otherwise agreed with the Environment Agency. Waste types and quantities specified in Table S2.6.
	Section 5.3 A (1) (a) (ii) Disposal of hazardous waste with a capacity exceeding 10 tonnes per day by physico-chemical treatment.	D9 – Treatment of effluent classed as hazardous in the aerobic phase; D9 – Treatment of effluent classed as hazardous in the anaerobic phase; D9 – Treatment of effluent through reverse osmosis or adsorption on to carbon; D9 – Treatment of effluent through settlement; and D9 – Treatment of effluent through filtration.	
	Section 5.3 A (1) (a) (ii) Recovery of hazardous waste with a capacity exceeding 10 tonnes per day by physico-chemical treatment.	R3 – Recovery of organic waste.	

Table S1.1 activities			
Activity ref.⁽¹⁾	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
	Section 5.3 A (1) (a) (iii) Disposal of hazardous waste with a capacity exceeding 10 tonnes per day by blending or mixing prior to submission to any of the other activities listed in this Section or in Section 5.1	D13 – Mixing and blending of wastes.	
	S5.4 A (1) (a) (i) - Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day by biological treatment	D8 – Treatment of effluent classed as non-hazardous in the aerobic phase; and D8 – Treatment of effluent classed as non-hazardous in the anaerobic phase.	
	S5.4 A(1) (a) (ii) - Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day by physico-chemical treatment	D9 – Treatment of effluent through settlement; and D9 Treatment of effluent through filtration.	
	Section 5.3 A (1) (a) (i) – Disposal of hazardous waste with a capacity exceeding 10 tonnes per day by biological treatment	D8 – Biological treatment of waste in an aerobic phase; and D8 – Biological treatment in the anaerobic phase.	
	S5.3 A (1) (a) (iii) – Disposal of hazardous waste with a capacity exceeding 10 tonnes per day by blending or mixing of hazardous waste prior to submission to of other activities listed in this section	D13 – Mixing and blending of wastes.	

Table S1.1 activities

Activity ref. ⁽¹⁾	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
	<p>or S5.1</p> <p>S5.6 A (1) (a) (i) – Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes</p>	<p>R13 – Storage of hazardous waste, prior to recovery; and</p> <p>D15 – Storage of hazardous waste, prior to disposal.</p>	
AR6 (Anaerobic Digestion)	Section 5.3 A (1) (a) (i) Disposal of hazardous waste with a capacity exceeding 10 tonnes per day by biological treatment	D8 – Treatment of waste classed as hazardous in the anaerobic phase.	<p>Waste to be stored, treated and handled within the building or sealed container in an appropriately bunded area or as otherwise agreed with the Environment Agency.</p> <p>Waste types and quantities specified in Table S2.7.</p>
	Section 5.3 A (1) (a) (i) Recovery of hazardous waste with a capacity exceeding 10 tonnes per day by biological treatment	R3 – Recovery of organic waste.	
	Section 5.3 A (1) (a) (iii) Disposal of hazardous waste with a capacity exceeding 10 tonnes per day by blending or mixing prior to submission to any other activities listed in this Section or in Section 5.1	D13 – Mixing and blending of wastes.	
	Section 5.4 A (1) (b) (i) – Disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day by biological treatment	<p>D8 – Treatment of waste classed as non hazardous in the anaerobic phase; and</p> <p>R3 – Recovery of organic waste.</p>	

Table S1.1 activities

Activity ref. ⁽¹⁾	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
	S5.6 A (1) (a) (i) – Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes	R13 – Storage of hazardous waste, prior to recovery; and D15 – Storage of hazardous waste prior to disposal.	
AR7 (Waste Recovery Facility)	Section 5.3 A (1) (a) (ii) Recovery of hazardous waste with a capacity exceeding 10 tonnes per day by physico- chemical treatment	R3 - Recycling/reclamation of organic substances which are not used as solvents; R4 - Recycling/reclamation of metals and metal compounds; R5 - Recycling/reclamation of other inorganic compounds; and R3/R4 – Treatment of aerosol waste classed as hazardous.	Waste to be stored, treated and handled within the building or sealed container in an appropriately bunded area or as otherwise agreed with the Environment Agency. Waste types and quantities specified in Table S2.3.
	Section 5.3 A (1) (a) (ii) Disposal of hazardous waste with a capacity exceeding 10 tonnes per day by physico- chemical treatment	D9 – Treatment of aerosol waste classed as hazardous; and D9 – Treatment by washing, shredding, and crushing of waste classed as hazardous.	
	S5.4 A (1) (a) (ii) - Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day by physico- chemical treatment	D9 – Treatment by washing, shredding, and crushing of waste classed as non hazardous.	
	S5.4 A (1) (b) (iv) - Recovery or a mix of recovery and disposal of non hazardous waste with a capacity exceeding 75 tonnes per day by	D9 – Treatment by shredding, and crushing of waste classed as non hazardous; and R4 - Recycling/reclamation of metals and	

Table S1.1 activities

Activity ref. ⁽¹⁾	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
	treatment in shredders of metal waste including waste electrical and electronic equipment and end-of-life vehicles and their components.	metal compounds.	
	S5.3 A (1)(a) (iii) – Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day by blending or mixing prior to submission to any of the other activities listed in this Section or in Section 5.1	D13 – Mixing and blending of wastes; R3 – Mixing and blending of wastes; and R5 - Mixing and blending of wastes.	
	S5.3 A (1) (a) (iv) – Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day by repackaging prior to submission to any of the other activities listed in this Section or in Section 5.1	D14 – Repacking of wastes; R3 – Repacking of wastes; and R5 - Repacking of wastes.	
	S5.6 A (1) (a) (i) – Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes	R13 – Storage of hazardous waste; and D15 – Storage of hazardous waste, prior to disposal prior to recovery.	
AR8 (Waste Transfer Station)	S5.3 A (1) (a) (iii) – Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day by blending or mixing prior to submission to any of the other	D13 – Mixing and blending of wastes.	Waste to be stored, treated and handled within the building or sealed container in an appropriately bunded area or as otherwise agreed with the Environment Agency.

Table S1.1 activities

Activity ref. ⁽¹⁾	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
	activities listed in this Section or in Section 5.1		Waste types and quantities as specified in Table S2.4
	S5.3 A (1) (a) (iv) – Disposal of hazardous waste with a capacity exceeding 10 tonnes per day by repackaging prior to submission to any of the other activities listed in this Section or in Section 5.1	D14 – Repacking of wastes.	
	S5.6 A (1) (a) (i) – Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes	D15 – Storage of hazardous waste, prior to disposal; and R13 – Storage of hazardous waste, prior to recovery.	
AR9 (Soil Washing)	S5.3 A (1) (a) (ii) : Disposal of hazardous waste with a capacity exceeding 10 tonnes per day by physico- chemical treatment	D9 - Physico-chemical treatment of hazardous waste in the soil washing plant.	From receipt and storage of solid hazardous waste and other raw materials at the soil washing plant to the offsite dispatch of waste/products from the plant.
	S5.3 A (1) (a) (ii) : Disposal of hazardous waste with a capacity exceeding 10 tonnes per day by physico- chemical treatment	R3 - Physico-chemical treatment of hazardous waste in the soil washing plant; R4 - Recycling/reclamation of metals and metal compounds; and R5 - Recycling/reclamation of other inorganic compounds.	Waste to be stored, treated and handled within the appropriate building or sealed container in an appropriately bunded area or as otherwise agreed with the Environment Agency. Waste types and quantities as specified in Tables S2.11. Limitations to treatment as specified in Schedule 2 Table S2.11A.

Table S1.1 activities

Activity ref. ⁽¹⁾	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
	S5.4A (1) (a) (ii): Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day by physico- chemical treatment	D9 - Physico-chemical treatment of non hazardous waste in the soil washing plant.	
	S5.6 A (1) (a) (i) – Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes	D15 – Storage of hazardous waste, prior to disposal; and R13 – Storage of hazardous waste, prior to recovery.	
AR10 (Waste Stabilisation)	S5.3 A (1) (a) (ii): Disposal of hazardous waste with a capacity exceeding 10 tonnes per day by physico- chemical treatment	D15 – Storage of hazardous waste, prior to disposal; and D9 – Physico-chemical treatment of hazardous waste by waste stabilisation.	From receipt and storage of solid and sludge hazardous wastes and other raw materials at the waste stabilisation plant to the offsite dispatch of waste from the plant. Waste to be stored, treated and handled within the appropriate building or sealed container in an appropriately bunded area or as otherwise agreed with the Environment Agency. Waste types and quantities as specified in Schedule 2 Tables S2.12 and limitations to treatment as specified in Schedule 2 Table S2.12A.
	S5.4A (1) (a) (ii) : Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day by physico- chemical treatment	D9 - Physico-chemical treatment of hazardous waste in the waste stabilisation plant .	
	S5.6 A (1) (a) (i) – Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes	D15 – Storage of hazardous waste, prior to disposal; and R13 – Storage of hazardous waste prior to recovery.	
AR11 (Bio-remediation)	S5.3 A (1) (a) (i): Disposal of hazardous waste with a capacity exceeding 10 tonnes per day by biological treatment	D8 - Biological treatment of hazardous waste in the bioremediation area.	From receipt and storage of solid waste and other raw materials at the bioremediation area to the offsite dispatch of waste / products from the area. Waste to be stored, treated and handled within

Table S1.1 activities

Activity ref. ⁽¹⁾	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
	S5.3 A (1) (a) (i): Disposal of hazardous waste with a capacity exceeding 10 tonnes per day by biological treatment	R5 – Biological treatment of hazardous waste in the soil washing plant.	the appropriate building or sealed container in an appropriately bunded area or as otherwise agreed with the Environment Agency. Waste types and quantities specified in Table S2.13 and limitations to treatment specified in Schedule table S2.13A.
	S5.4 A (1) (b) (i): Recovery of non-hazardous waste with a capacity exceeding 75 tonnes per day by biological treatment	D8 - Biological treatment of non hazardous waste in the bioremediation area; and R3 - Biological treatment of non hazardous waste in the bioremediation area.	
AR12 (Storage activity for AR9, AR10 and AR11)	S5.6 A (1) (a) (i) – Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes	D15 – Storage of hazardous waste, prior to disposal; and R13 – Storage of hazardous waste, prior to recovery.	Storage of solid and sludge hazardous waste prior to and post treatment. Waste to be stored, treated and handled within the appropriate building or sealed container in an appropriately bunded area or as otherwise agreed with the Environment Agency. Waste types and quantities specified in Tables S2.11, S2.12, S2.13 and limitations to treatment specified in Schedule Tables S2.11A, S2.12A and S2.13A.
AR13	S3.1 B (b) : Blending cement in bulk or using cement in bulk other than at a construction site, including the bagging of cement and cement mixtures, the batching of ready mixed concrete and the manufacture of concrete blocks and other cement products.	Cement storage silo.	Receipt and storage of cement in the cement silo.

Table S1.1 activities

Activity ref. ⁽¹⁾	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
Directly Associated Activities			
AR14 (DAA to AR1)	Storage of non hazardous wood materials	Storage of non hazardous wood prior to mixing and blending, and burning as a fuel to produce steam and heat.	Non Hazardous waste types and quantities specified in Table S2.8.
AR15	Gas storage	Storage of gases from the installation and from the non hazardous and hazardous landfills, prior to treatment and burning as a fuel in AR4	Only landfill gas arising from the non hazardous (EPR/BV1402IC) and hazardous landfills (EPR/BV1399IT), and from the installation.
AR16 (DAA to permit EPR/BV1402IC and EPR/BV1399IT)	Gas flare	Flaring of gas for disposal in an appliance.	Only landfill gas arising from the non hazardous (EPR/BV1402IC) and hazardous landfills (EPR/BV1399IT).
AR17 (DAA to AR3)	Storage of non hazardous materials	Storage of non hazardous materials prior to and post mixing and blending, and treatment by thermal desorption	Non hazardous waste types and quantities specified in Table S2.2.
AR18 (DAA to AR4)	Storage of non hazardous materials	Storage of non hazardous materials prior to mixing and blending, and treatment by Tank Farm process and post treatment.	Non hazardous wastes types and quantities specified in Table S2.5.
AR19 (DAA to AR5)	Storage of non hazardous materials	Storage of non hazardous materials prior to mixing and blending, and treatment by effluent treatment process and post treatment.	Non hazardous waste types and quantities specified in Table S2.6.
AR20 (DAA to AR6)	Storage of non hazardous materials	Storage of non hazardous materials prior to mixing and blending, and treatment by anaerobic digestion process and post	Non hazardous waste types and quantities specified in Table S2.7.

Table S1.1 activities

Activity ref. ⁽¹⁾	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
		treatment	
AR21 (DAA to AR7)	Storage of non hazardous materials	Storage of non hazardous materials prior to mixing and blending, and treatment at the waste recovery facility and post treatment.	Non hazardous waste types and quantities specified Table S2.3.
AR22 (DAA to AR8)	Waste storage	Storage of non hazardous materials prior to mixing and blending, and treatment at the waste transfer station and post treatment.	<p>Waste to be stored, treated and handled within the building or sealed container in an appropriately bunded area or as otherwise agreed with the Environment Agency.</p> <p>Non hazardous waste types and quantities specified in Table S2.4.</p>
AR23 (DAA to AR9 to AR12)	Electrical power generation	Diesel generators	Oil receipt and storage to distribution of electricity around site.
AR24 (DAA to AR1 to AR12)	Surface water management	Collection and recycling of surface and process water.	Drainage of hardstanding areas and collection and storage in the surface water holding lagoon.
AR25 (DAA to AR1 to AR12)	Handling of the raw materials	Handling and storage of raw materials used in the treatment processes	From receipt to use of raw materials.
AR26 (DAA to AR1 to AR12)	Management of waters arising from open storage area, road and treatment areas.	Collection, storage, reuse and disposal of contaminated water	Collection, storage, reuse and disposal of contaminated water.

Table S1.1 activities

Activity ref. ⁽¹⁾	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
AR27 (DAA to permit EPR/BV1402IC and EPR/BV1399IT)	R1 – Use principally as a fuel or other means to generate energy	Burning for landfill gas in an appliance	Only landfill gas arising from the non hazardous and hazardous landfills, and from the non hazardous landfill EPR/BV1402IC and hazardous landfill EPR/BV1399IT.

Activity ref. ⁽¹⁾	Description of activities for waste operations	Limits of activities
AR28 (WA to AR3)	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); R3 - Recycling/reclamation of organic substances which are not used as solvents; and R5 - Recycling/reclamation of other inorganic compounds.	Waste types and quantities specified in Table S2.2.
AR29 (WA to AR4)	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); R3 - Recycling/reclamation of organic substances which are not used as solvents; and R5 - Recycling/reclamation of other inorganic compounds.	Treatment operations shall be limited to: <ol style="list-style-type: none"> 1. Heat treatment of waste for the purpose of recovery. 2. Physical- chemical treatment including neutralisation, precipitation, and filtration for the purpose of recovery. 3. Waste types and quantities specified in Table S2.5.
AR30 (WA to AR5)	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).	Storage of non-hazardous waste pending treatment. Waste types and quantities specified in Table

S2.6.

Table S1.1 activities

Activity ref.	Description of activities for waste operations	Limits of activities
AR31 (WA to AR7)	<p>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);</p> <p>R3 - Recycling/reclamation of organic substances which are not used as solvents;</p> <p>R4 - Recycling/reclamation of metals and metal compounds; and</p> <p>R5 - Recycling/reclamation of other inorganic compounds.</p>	<p>Treatment operations shall be limited to:</p> <ol style="list-style-type: none"> 1. Treatment by washing, shredding, and crushing of non-hazardous waste; 2. Recycling/reclamation of organic substances which are not used as solvents ; 3. Recycling/reclamation of metals and metal compounds; 4. Recycling/reclamation of other inorganic compounds; and 5. Waste types and quantities specified in Table S2.3.
AR32 (WA to AR8)	<p>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);</p> <p>R3 - Recycling/reclamation of organic substances which are not used as solvents;</p> <p>R4 - Recycling/reclamation of metals and metal compounds; and</p> <p>R5 - Recycling/reclamation of other inorganic compounds</p>	<p>Treatment operations shall be limited to:</p> <ol style="list-style-type: none"> 1. Sorting and bulking up for the purpose of recovery. 2. Sorting and repacking for the purpose of recovery. 3. Waste types and quantities specified in Table S2.4.
AR33 (WA to AR1 and AR2)	<p>R3 - Recycling/reclamation of organic substances which are not used as solvents, less than 50 tonnes a day</p>	<p>Cleaning of gas going to gas engines. Gases arising from AR1 and AR2 processes.</p>

Table S1.1 activities

Activity ref.	Description of activities for waste operations	Limits of activities
AR34 (WA to AR5)	D13 – Mixing and blending of wastes prior to effluent treatment.	<p>Waste to be stored, treated and handled within the appropriate sealed container in an appropriately bunded area or as otherwise agreed with the Environment Agency.</p> <p>Waste types and quantities specified in Table S2.6.</p>
AR35 (WA to AR8)	<p>D13 – Bulking of non hazardous waste;</p> <p>D14 – Repackaging of non hazardous waste;</p> <p>D15 – Storage of non hazardous waste</p>	<p>Waste to be stored, treated and handled within the building or sealed container in an appropriately bunded area or as otherwise agreed with the Environment Agency.</p> <p>Waste types and quantities specified in Table S2.4.</p>
AR36 (WA to AR9)	<p>R3 - Recycling/reclamation of organic substances which are not used as solvents less than 50 tonnes a day;</p> <p>R4 - Recycling/reclamation of metals and metal compounds; and</p> <p>R5 - Recycling/reclamation of other inorganic compounds</p>	<p>From receipt and storage of solid non hazardous waste and other raw materials at the soil washing plant to the offsite dispatch of waste/products from the plant.</p> <p>Waste to be stored, treated and handled within the appropriate building or sealed container in an appropriately bunded area or as otherwise agreed with the Environment Agency.</p> <p>Waste types and quantities specified in Table S2.11 and limitations to treatment as specified in Schedule 2 Table S2.11A.</p>

Table S1.1 activities		
Activity ref.	Description of activities for waste operations	Limits of activities
AR37 (WA to AR10 and AR11)	<p>R3 - Recycling/reclamation of organic substances which are not used as solvents less than 50 tonnes a day;</p> <p>R4 - Recycling/reclamation of metals and metal compounds; and</p> <p>R5 - Recycling/reclamation of other inorganic compounds</p>	<p>From receipt and storage of sludge and solid waste and other raw materials at the waste stabilisation plant to the offsite dispatch of waste from the plant.</p> <p>Waste types and quantities specified in Table S2.12, S2.13 and limitations to treatment as specified in Schedule 2 Table S2.12A and S2.13A.</p>
<p>(¹) – “DAA” above refers to Directly Associated Activity and “WA” above refers to Waste Activity.</p>		

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application YP3234XR	The response to section 2.1, excluding 2.1.11 (Hazardous properties column only) and 2.1.21 (Hazardous properties column only), 2.2 and 2.11 in the Application.	28/02/08
Additional information	AU/PC/JHW/5266/01/Process – All parts	March 09
Additional information	Letter confirming the operator is/will use the Sector Guidance Notes, and other guidance - All parts	28/04/09
Application XP3032XH	The response to section 2.1, and 2.2 excluding 2.2.9, 2.10.19, 2.10.22, 2.10.25, 2.10.26 and 2.10.27 in the Application.	31/03/08

Table S1.2 Operating techniques		
Description	Parts	Date Received
Response to Schedule 4 Notice dated 17/10/08	Response to question 3, 4, 5, 6, 7, 8, 10, 11, 12, 16, 22 and 24.	17/10/08
Additional information	Response to question 2 detailing storage of sludges.	19/11/08
Additional information – Letter dated 05/02/09	Letter only.	10/02/09
Additional Information	Information submitted for improvement condition formerly IC6 (IC1 in QP3031TY)	17/03/10
Additional Information	Information submitted for improvement condition formally IC7 (IC3 in QP3031TY)	17/03/10
Additional Information	Information submitted for improvement condition formally IC7 (IC4 in QP3031TY)	17/03/10
Additional Information	Information submitted for improvement condition formally IC7 (IC5 in QP3031TY) Document entitled “Odour Management Plan” Covering Port Clarence Waste Recovery Park	17/03/10
Additional information	Odour Management Plan	17/03/10
Additional Information	Fugitive Management Plan	10/10/10
Additional information	Commissioning Details – December 2010, and Sampling for the ITD process – December 2010	16/12/10
Additional Information	Indirect Thermal Desorption Process Control Document (PC03) – 16/12/2010	16/12/10

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC 1	The operator shall undertake a water efficiency audit. The audit shall follow the indicative BAT requirements for water efficiency as described in section 2.4.3 of SGN5.06. Upon completion a summary of the audit shall be submitted in writing to the Environment Agency.	28/08/15
IC 2	The operator shall review the Environmental Monitoring and Action Plan submitted in the application and update it to reflect current operations on site. The plan shall be sent to the Environment Agency at the reporting address.	28/08/15
IC 3	The operator shall submit a revised H1 to the Environment Agency for written approval. The H1 shall be populated with the current annual report data.	28/11/15
IC 4	As part of the commissioning of the ITD unit the operator will review process controls and submit a report for the written approval of Environment Agency.	28/09/15
IC 5	<p>The operator shall submit a written report for the Tank Farm to the Environment Agency for approval. The report must contain, but not be limited to:-</p> <ul style="list-style-type: none"> • the measures to comply with the requirements of SGN 5.06; • details of impermeable bunding around the Tank Farm including construction standards and maintenance measures; and • confirmation that the compatibility testing is in line with Compatibility Testing Guidance for Bulking Operations in the Waste Treatment Industry (November 2011). <p>The notification requirements of condition 2.4.2 will be deemed to have been complied with on submission of the report. You must implement the report as approved, and from the date stipulated by the Environment Agency.</p>	28/10/15
IC 6	The operator shall submit a letter to the Environment Agency for approval to confirm that compatibility testing is being undertaken. The letter must confirm that the results of a the current compatibility testing comply with the requirements of SGN 5.06 and Compatibility Testing Guidance for Bulking Operations in the Waste Treatment Industry (November 2011). Also, the letter shall detail any additional measures required to ensure they comply with the requirements of SGN 5.06	28/08/15

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	<p>and Compatibility Testing Guidance for Bulking Operations in the Waste Treatment Industry (November 2011).</p> <p>The notification requirements of condition 2.4.2 will be deemed to have been complied with on submission of the letter. You must implement the procedure as approved, and from the date stipulated by the Environment Agency.</p>	
IC 7	<p>The operator shall submit a letter containing the following:-</p> <ul style="list-style-type: none"> • confirmation that the site management systems have incorporated the Fire Prevention Plan guidance (March 2015), where it applies. The management systems must contain measures to comply with the requirements of the guidance; • a detailed summary of the fire prevention plan; and • if necessary, a plan of improvements that need to be made. This plan must contain dates for the implementation of individual measures. <p>The notification requirements of condition 2.4.2 will be deemed to have been complied with on submission of the plan. You must implement the letter as approved, and from the date stipulated by the Environment Agency.</p>	28/02/16
IC 8	<p>The operator shall submit a written report and procedures to the Environment Agency for approval, verifying that the outcome of the Waste Stabilisation and Soil Washing Treatment for the wastes permitted in Table S2.11 and S2.12, meets waste acceptance criteria of either the receiving landfill or further treatment.</p> <p>The operator shall ensure that all the necessary infrastructure has been installed, tested and commissioned in line with Environment Agency guidance currently SGN5.06, prior to any liquid waste being accepted for treatment in the waste stabilisation process.</p> <p>The operator shall submit a report to the Environment Agency for written agreement, providing details of the infrastructure and confirming that it has been tested and commissioned.</p> <p>The notification requirements of condition 2.4.2 will be deemed to have been complied with on submission of the report. You must implement the as approved, and from the date stipulated by the Environment Agency.</p>	28/08/15

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC 9	The Operator shall submit a written report to the Environment Agency on the implementation of its Environmental Management System and the progress made in the certification of the system by an external body or if appropriate submit a schedule by which the EMS will be certified.	Within 12 months of the date on which waste is first burnt.
IC10	<p>The operator shall submit a written proposal to the Environment Agency to carry out tests to determine the size distribution of the particulate matter in the exhaust gas emissions to air from emission point A1, identifying the fractions within the PM10 and PM2.5 ranges. The proposal shall include a timetable for approval by the Environment Agency to carry out such tests and produce a report on the results.</p> <p>On receipt of written agreement by the Environment Agency to the proposal and the timetable, the operator shall carry out the tests and submit to the Environment Agency a report on the results.</p>	Within 6 months of the completion of commissioning.
IC 11	The operator shall submit a written report to the Environment Agency post-commissioning of the waste wood and the plasma activities within the installation. The report shall summarise the environmental performance of the plant as installed against the design parameters set out in the application. The report shall also include a review of the performance of the facility against the conditions of this permit and details of procedures developed during commissioning for achieving and demonstrating compliance with permit conditions.	Within 4 months of the completion of commissioning.
IC 12	The operator shall carry out checks to verify the residence time, minimum temperature and oxygen content of the exhaust gases in the furnace whilst operating under the anticipated most unfavourable operating conditions for the waste wood and the plasma activities within the installation. The results shall be submitted in writing to the Environment Agency.	Within 4 months of the completion of commissioning.
IC 13	<p>The operator shall submit a written report to the Environment Agency describing the performance and optimisation of the Selective Non Catalytic Reduction (SNCR) system and combustion settings to minimise oxides of nitrogen (NO_x) emissions within the emission limit values described in this permit with the minimisation of nitrous oxide emissions for the waste wood and the plasma activities within the installation. The report shall include an assessment of the level of NO_x and N₂O emissions that can be achieved under optimum operating conditions.</p> <p>The report shall also provide details of the optimisation (including dosing rates) for the control of acid gases and dioxins.</p>	Within 4 months of the completion of commissioning.

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC 14	<p>The operator shall carry out an assessment of the impact of emissions to air from the waste wood and the plasma activities within the installation of all the following component metals subject to emission limit values, i.e. Cd, Tl, Hg, Sb, As, Pb, Cr, Co, Cu, Mn, Ni and V. A report on the assessment shall be made to the Environment Agency.</p> <p>Emissions monitoring data obtained during the first year of operation shall be used to compare the actual emissions with those assumed in the impact assessment submitted with the application. An assessment shall be made of the impact of each metal against the relevant EQS/EAL. In the event that the assessment shows that an EQS/EAL can be exceeded, the report shall include proposals for further investigative work.</p>	15 months from commencement of operations
IC 15	<p>The operator shall submit a written summary report for the waste wood and the plasma activities within the installation to the Environment Agency to confirm by the results of calibration and verification testing that the performance of Continuous Emission Monitors for parameters as specified in Table S3.1 and Table S3.1(a) complies with the requirements of BS EN 14181, specifically the requirements of QAL1, QAL2 and QAL3.</p>	<p>Initial calibration report to be submitted to the Environment Agency within 3 months of completion of commissioning.</p> <p>Full summary evidence compliance report to be submitted within 18 months of commissioning.</p>

Table S1.4 Pre-operational measures for future development

Reference	Operation	Pre-operational measures
PA 1	Research, Development and Testing	<p>The operator shall undertake R, D and T in accordance with an agreed written R, D and T proposal. The proposal submitted to the Environment Agency shall include the following information as a minimum:</p> <ol style="list-style-type: none"> 1. Description of R, D and T proposal – including <ol style="list-style-type: none"> a. the length of time this proposal will run. b. a comparison of the process against BAT c. measures taken to prevent accidents and mitigate their consequences d. success criteria 2. Descriptions and location of plant and equipment on site and associated storage 3. Plant design capacity 4. Proposed trial capacity <ul style="list-style-type: none"> • per batch / run • per day • total 5. Proposed waste types <ul style="list-style-type: none"> • generic waste description, waste producer and process • EWC codes • chemical composition • hazards that the process is targeting • other hazards not being targeted 6. Proposed raw material types <ul style="list-style-type: none"> • generic description

Table S1.4 Pre-operational measures for future development		
Reference	Operation	Pre-operational measures
		<ul style="list-style-type: none"> • chemical composition <p>7. Emissions, including, emission points, concentrations and quantities, to</p> <ul style="list-style-type: none"> • air • water <p>8. Characterisation of waste produced</p> <ul style="list-style-type: none"> • anticipated waste streams • physical characteristics • chemical composition • final recovery or disposal method
PB 1	Liquid Waste Tank Farm	The operator shall submit a report demonstrating that all bulk liquid storage tanks, pipelines and secondary containment in the Tank Farm have been leak-tested at least 4 weeks before the start of operations.
PB 2		The operator shall undertake a review of the BAT assessment for the Liquid Waste Tank Farm process submitted with the application. The operator shall provide a written report to the Environment Agency which includes the original BAT assessment amended as necessary to ensure that it meets the requirements of current guidance and/or BREFs and to ensure that any relevant legislative changes have been incorporated.
PB 3		<p>At least 2 months prior to commencing operations the operator shall submit to the Environment Agency a list of wastes to be accepted for the Liquid Waste Tank Farm process. This must be agreed in writing with the Environment Agency.</p> <p>The operator shall ensure that the requirements of condition 1.1.1 (b) are in place prior to operation of the liquid waste tank farm process.</p>
PB 4		The operator shall review Tables S3.1, S3.2, S3.3, and S3.4 and submit proposals for written agreement with the Environment Agency for any necessary amendments to Tables S3.1, S3.2, S3.3, and S3.4 in line with current guidance and/or BREFs.

Table S1.4 Pre-operational measures for future development		
Reference	Operation	Pre-operational measures
PB 5		The operator shall ensure that all management systems and procedures concerning the Liquid Waste Treatment and Storage (Tank Farm) process are reviewed and amended as necessary to ensure that they meet the requirements of current guidance and/or BREFs.
PB 6	Plasma Treatment Plant	The operator shall undertake a review of the BAT assessment for the Plasma Treatment process submitted with the application. The operator shall provide a written report to the Environment Agency which includes the original BAT assessment amended as necessary to ensure that it meets the requirements of current guidance and/or BREFs and to ensure that any relevant legislative changes have been incorporated.
PB 7		<p>The operator shall ensure that all management systems and procedures concerning the Plasma Treatment process are reviewed and amended as necessary to ensure that they meet the requirements of current guidance and/or BREFs.</p> <p>At least 2 months prior to commencing operations the operator shall submit to the Environment Agency a list of wastes to be accepted for the Plasma Treatment process. This must be agreed in writing with the Environment Agency.</p> <p>The operator shall ensure that the requirements of condition 1.1.1 (b) are in place prior to operation of the Plasma Treatment process.</p>
PB 8		The operator shall review Tables S3.1, S3.2, S3.3, and S3.4 and submit proposals for written agreement with the Environment Agency for any necessary amendments to Tables S3.1, S3.2, S3.3, and S3.4 in line with current guidance and/or BREFs.
PB 9	Plasma and Waste Wood Energy Recovery	The operator shall ensure that the maximum and minimum calorific values and content of pollutants of all the hazardous waste woods allowed in Table S2.10 are submitted to the Environment Agency for written agreement and to amend Table S2.10.
PB 10	Waste Wood Energy Recovery	The operator shall undertake a review of the BAT assessment for the Waste Wood Energy Recovery process submitted with the application. The operator shall provide a written report to the Environment Agency which includes the original BAT assessment amended as necessary to ensure that it meets the requirements of current guidance and/or BREFs and to ensure that any relevant legislative changes have been incorporated.

Table S1.4 Pre-operational measures for future development		
Reference	Operation	Pre-operational measures
PB 11		<p>The operator shall ensure that all management systems and procedures concerning the Waste Wood Energy Recovery process are reviewed and amended as necessary to ensure that they meet the requirements of current guidance and/or BREFs.</p> <p>At least 2 months prior to commencing operations the operator shall submit to the Environment Agency a list of wastes to be accepted for the Waste Wood Energy Recovery process. This must be agreed in writing with the Environment Agency.</p> <p>The operator shall ensure that the requirements of condition 1.1.1 (b) are in place prior to operation of the Waste Wood Energy Recovery process.</p>
PB 12		<p>Prior to commencement the operator shall review Tables S3.1, S3.2, S3.3, and S3.4 and submit proposals for written agreement with the Environment Agency for any necessary amendments to Tables S3.1, S3.2, S3.3, and S3.4 in line with current guidance and/or BREFs.</p>
PB 13	Anaerobic Digestion Plant	<p>The operator shall undertake a review of the BAT assessment for the Anaerobic Digestion Plant process submitted with the application. The operator shall provide a written report to the Environment Agency which includes the original BAT assessment amended as necessary to ensure that it meets the requirements of current guidance and/or BREFs and to ensure that any relevant legislative changes have been incorporated</p>
PB 14		<p>The operator shall ensure that all management systems and procedures concerning the Anaerobic Digestion Plant process are reviewed and amended as necessary to ensure that they meet the requirements of current guidance and/or BREFs.</p> <p>At least 2 months prior to commencing operations the operator shall submit to the Environment Agency a list of wastes to be accepted for the Anaerobic Digestion process. This must be agreed in writing with the Environment Agency.</p> <p>The operator shall ensure that the requirements of condition 1.1.1 (b) are in place prior to operation of the Anaerobic Digestion process.</p>
PB 15		<p>The operator shall review Tables S3.1, S3.2, S3.3, and S3.4 and submit proposals for written agreement with the Environment Agency for any necessary amendments to Tables S3.1, S3.2, S3.3, and S3.4 in line with current guidance and/or BREFs.</p>

Table S1.4 Pre-operational measures for future development		
Reference	Operation	Pre-operational measures
PB 16	Effluent Treatment Plant	The operator shall undertake a review of the BAT assessment for the Effluent Treatment Plant process submitted with the application. The operator shall provide a written report to the Environment Agency which includes the original BAT assessment amended as necessary to ensure that it meets the requirements of current guidance and/or BREFs and to ensure that any relevant legislative changes have been incorporated.
PB 17		<p>The operator shall ensure that all management systems and procedures concerning the Effluent Treatment Plant process are reviewed and amended as necessary to ensure that they meet the requirements of current guidance and/or BREFs.</p> <p>At least 2 months prior to commencing operations the operator shall submit to the Environment Agency a list of wastes to be accepted for the Plasma Treatment process. This must be agreed in writing with the Environment Agency.</p> <p>The operator shall ensure that the requirements of condition 1.1.1 (b) are in place prior to operation of the Effluent Treatment Plant process.</p>
PB 18		The operator shall review Tables S3.1, S3.2, S3.3, and S3.4 and submit proposals for written agreement with the Environment Agency for any necessary amendments to Tables S3.1, S3.2, S3.3, and S3.4 in line with current guidance and/or BREFs.
PB 19	Plasma & Waste Wood Energy Recovery	Prior to the commencement of commissioning, the operator shall send a summary of the site Environment Management System (EMS) to the Environment Agency and make available for inspection all documents and procedures which form part of the EMS. The EMS shall be developed in line with the requirements set out in Section 1 of How to Comply with your environmental permit – Getting the basics right. The documents and procedures set out in the EMS shall form the written management system referenced in condition 1.1.1 (a) of the permit.
PB 20		Prior to the commencement of commissioning, the operator shall send a report to the Environment Agency which will contain a comprehensive review of the options available for utilising the heat generated by the waste incineration process in order to ensure that it is recovered as far as practicable. The review shall detail any identified proposals for improving the recovery and utilisation of waste heat and shall provide a timetable for their implementation.
PB 21		Prior to the commencement of commissioning, the operator shall submit to the Environment Agency for approval a protocol for the sampling and testing of incinerator bottom ash for the purposes of assessing its hazard status. Sampling and testing shall be carried out in accordance with the protocol as approved.

Table S1.4 Pre-operational measures for future development		
Reference	Operation	Pre-operational measures
PB 22		Prior to the commencement of commissioning; the operator shall provide a written commissioning plan, including timelines for completion, for approval by the Environment Agency. The commissioning plan shall include the expected emissions to the environment during the different stages of commissioning, the expected durations of commissioning activities and the actions to be taken to protect the environment and report to the Environment Agency in the event that actual emissions exceed expected emissions. Commissioning shall be carried out in accordance with the commissioning plan as approved.
PB 23		Prior to the commencement of commissioning, the operator shall submit a written report to the Environment Agency detailing the waste acceptance procedure to be used at the site. The waste acceptance procedure shall include the process and systems by which wastes unsuitable for incineration at the site will be controlled. The procedure shall be implemented in accordance with the written approval from the Environment Agency.
PB 24		After completion of furnace design and at least three calendar months before any furnace operation; the operator shall submit a written report to the Environment Agency of the details of the computational fluid dynamic (CFD) modelling. The report shall demonstrate whether the design combustion conditions comply with the residence time and temperature requirements as defined by Chapter IV of the IED.
PB 25		At least three months before operation, the operator shall submit a written report to the Environment Agency specifying arrangements for continuous and periodic monitoring of emissions to air to comply with Environment Agency guidance notes M1- 'Sampling requirements for stack emission monitoring' and M2 - 'Monitoring of stack emissions to air'. The report shall include the following: <ul style="list-style-type: none"> • plant and equipment details, including accreditation to MCERTS; • methods and standards for sampling and analysis; and • details of monitoring locations, access and working platforms.
PB 26	Effluent Treatment Plant (ETP)	Prior to the construction the Effluent Treatment Plant (ETP), the operator shall:- <ol style="list-style-type: none"> 1. undertake a review of the BAT assessment for the above process submitted with the application referenced in Table S1.2 and submit a revised design report to the Environment Agency for written approval; and 2. ensure that the proposed reviewed design and performance meets the requirements of current legislation, guidance

Table S1.4 Pre-operational measures for future development		
Reference	Operation	Pre-operational measures
		<p>and/or BREFs/BREF Conclusions at that time; and,</p> <p>3. ensure that any relevant legislative changes or standards have been incorporated in to the system design, management systems, ELV's and waste list.</p> <p>You must implement the report as approved, and from the date stipulated by the Environment Agency.</p>
PB 27		At least 4 weeks before the start of operations, the operator shall submit a report demonstrating that all ETP system tanks, pipelines and containment have been leak-tested.
PB 28		Prior to commencement of commissioning of any of the activity in PB 26 the Operator shall, at least 2 weeks before, submit a report demonstrating that the management systems and process controls are in place for the operation of relevant activity and that staff have received the necessary training.
PB 29		<p>Prior to the commencement of commissioning of any of the activity in PB 26, the Operator shall provide a written commissioning plan for approval by the Environment Agency. The plan shall include, but not be limited to:</p> <ol style="list-style-type: none"> 1. the expected emissions to the environment during the different stages of commissioning; 2. details of connection to extraction system; 3. details of pressure testing of tanks/vessels, associated pipe work, connections to the abatement systems, etc; 4. detail of the process monitoring systems including treatment temperature measurement, pressure monitoring, automatic data logging, operating temperature, pH, pressure, volume, scrubber material depletion; 5. the expected durations of commissioning activities and estimated timeline for completion, and 6. the actions to be taken to protect the environment and report to the Environment Agency in the event that actual emissions exceed expected emissions. <p>Commissioning shall be carried out in accordance with the commissioning plan as approved.</p>

Schedule 2 – Waste types, raw materials and fuels

Raw materials and fuel description	Specification
Gas oil	Low sulphur content.
Caustic soda	Mercury free caustic soda
Cement	None set
Hydrated lime	None set
Low sulphur kerosene	Class C2 fuel
Sulphur content of gasoil fuel	Only gas oil as defined in the Sulphur Content of Liquid Fuels Regulations 2000 may be burned.
Gas oil	Low sulphur
Activated carbon	None set

Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H4 to H8, H10, H11, H14 100,000 tonnes of non hazardous wastes
Waste code	Description
01	WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF 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 dangerous substances
05	WASTES FROM PETROLEUM REFINING, NATURAL GAS PURIFICATION AND PYROLYTIC TREATMENT OF COAL
05 01	wastes from petroleum refining
05 01 02*	desalter sludges
05 01 03*	tank bottom sludges
05 01 05*	oil spills
05 01 06*	oily sludges from maintenance operations of the plant or equipment
05 01 08*	other tars
05 01 09*	sludges from on-site effluent treatment containing dangerous substances
05 01 10	sludges from on-site effluent treatment other than those mentioned in 05 01 09
05 01 15*	spent filter clays
07	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 01	wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
07 01 10*	other filter cakes and spent absorbents
07 01 11*	sludges from on-site effluent treatment containing dangerous substances
07 02	wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 08*	other still bottoms and reaction residues
07 02 10*	other filter cakes and spent absorbents
07 02 11*	sludges from on-site effluent treatment containing dangerous substances

Table S2.2 Permitted waste types and quantities for Indirect Thermal Desorption (AR3)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H4 to H8, H10, H11, H14 100,000 tonnes of non hazardous wastes
Waste code	Description
07 03	wastes from the MFSU of organic dyes and pigments (except 06 11)
07 03 08*	other still bottoms and reaction residues
07 03 10*	other filter cakes and spent absorbents
07 03 11*	sludges from on-site effluent treatment containing dangerous substances
07 05	wastes from the MFSU of pharmaceuticals
07 05 08*	other still bottoms and reaction residues
07 05 10*	other filter cakes and spent absorbents
07 05 11*	sludges from on-site effluent treatment containing dangerous substances
07 05 13*	solid wastes containing dangerous substances
07 06	wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
07 06 08*	other still bottoms and reaction residues
07 06 10*	other filter cakes and spent absorbents
07 06 11*	sludges from on-site effluent treatment containing dangerous 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 03*	organic halogenated solvents, washing liquids and mother liquors
07 07 04*	other organic solvents, washing liquids and mother liquors
07 07 07*	halogenated still bottoms and reaction residues
07 07 08*	other still bottoms and reaction residues
07 07 09*	halogenated filter cakes and spent absorbents
07 07 10*	other filter cakes and spent absorbents
07 07 11*	sludges from on-site effluent treatment containing dangerous substances
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 11*	waste paint and varnish containing organic solvents or other dangerous substances
08 01 13*	sludges from paint or varnish containing organic solvents or other dangerous substances
08 01 15*	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances
08 01 17*	wastes from paint or varnish removal containing organic solvents or other dangerous substances
08 01 19*	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances
08 01 21*	waste paint or varnish remover
08 03	wastes from MFSU of printing inks

Table S2.2 Permitted waste types and quantities for Indirect Thermal Desorption (AR3)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H4 to H8, H10, H11, H14 100,000 tonnes of non hazardous wastes
Waste code	Description
08 03 12*	waste ink containing dangerous substances
08 03 14*	ink sludges containing dangerous substances
08 03 16*	waste etching solutions
08 03 19*	disperse oil
08 04	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 09*	waste adhesives and sealants containing organic solvents or other dangerous substances
08 04 11*	adhesive and sealant sludges containing organic solvents or other dangerous substances
08 04 13*	aqueous sludges containing adhesives or sealants containing organic solvents or other dangerous substances
08 04 15*	aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances
08 04 17*	rosin oil
10	WASTES FROM THERMAL PROCESSES
10 02	wastes from the iron and steel industry
10 02 10	mill scales
10 02 11*	wastes from cooling-water treatment containing oil
10 02 12	wastes from cooling-water treatment other than those mentioned in 10 02 11
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
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 12*	spent waxes and fats
12 01 14*	machining sludges containing dangerous substances
12 01 18*	metal sludge (grinding, honing and lapping sludge) containing oil
12 01 20*	spent grinding bodies and grinding materials containing dangerous substances

Table S2.2 Permitted waste types and quantities for Indirect Thermal Desorption (AR3)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H4 to H8, H10, H11, H14 100,000 tonnes of non hazardous wastes
Waste code	Description
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 01*	solids from grit chambers and oil/water separators
13 05 02*	sludges from oil/water separators
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 99*	wastes not otherwise specified
14	WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08)
14 06	waste organic solvents, refrigerants and foam/aerosol propellants
14 06 05*	sludges or solid wastes containing other solvents
15	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 02	absorbents, filter materials, wiping cloths and protective clothing
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 01	end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)
16 01 21*	hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14
16 07	wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)
16 07 08*	wastes containing oil
16 08	spent catalysts
16 08 01	spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07)
16 08 02*	spent catalysts containing dangerous transition metals or dangerous transition metal compounds
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 08 07*	spent catalysts contaminated with dangerous substances
16 08 09*	wastes containing other dangerous substances
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 01	concrete, bricks, tiles and ceramics
17 01 06*	mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing

Table S2.2 Permitted waste types and quantities for Indirect Thermal Desorption (AR3)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H4 to H8, H10, H11, H14 100,000 tonnes of non hazardous wastes
Waste code	Description
	dangerous substances
17 03	bituminous mixtures, coal tar and tarred products
17 03 01*	bituminous mixtures containing coal tar
17 03 03*	coal tar and tarred products
17 04	metals (including their alloys)
17 04 09*	metal waste contaminated with dangerous substances
17 04 10*	cables containing oil, coal tar and other dangerous substances
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 03*	soil and stones containing dangerous substances
17 05 05*	dredging spoil containing dangerous substances
17 05 07*	track ballast containing dangerous substances
17 09	other construction and demolition wastes
17 09 03*	other construction and demolition wastes (including mixed wastes) containing dangerous 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 02	wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
19 02 04*	Pre-mixed wastes composed of at least one hazardous waste
19 02 05*	sludges from physico-chemical treatment containing dangerous substances
19 02 07*	oil and concentrates from separation
19 02 09*	solid combustible wastes containing dangerous substances
19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09
19 02 11*	other wastes containing dangerous substances
19 08	wastes from waste water treatment plants not otherwise specified
19 08 09*	grease and oil mixture from oil/water separation containing edible oil and fats
19 08 10*	grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
19 08 11*	sludges containing dangerous substances from biological treatment of industrial waste water
19 08 13*	sludges containing dangerous substances from other treatment of industrial waste water
19 11	wastes from oil regeneration
19 11 01*	spent filter clays
19 11 02*	acid tars
19 11 05*	sludges from on-site effluent treatment containing dangerous substances
19 13	wastes from soil and groundwater remediation
19 13 01*	solid wastes from soil remediation containing dangerous substances
19 13 03*	sludges from soil remediation containing dangerous substances
19 13 05*	sludges from groundwater remediation containing dangerous substances

Table S2.2 Permitted waste types and quantities for Indirect Thermal Desorption (AR3)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H4 to H8, H10, H11, H14 100,000 tonnes of non hazardous wastes
Waste code	Description
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 26*	oil and fat other than those mentioned in 20 01 25
20 01 27*	paint, inks, adhesives and resins containing dangerous substances

Table S2.2A – Limitation		
Specification / limit	For treatment	Comment
Flash point	> or equal to 55 °C hazard code H3	Plant is not rated to treat flammable materials
Consistency	Must be capable of delivery through the input conveyor	Delivery to input hopper is through conveyor.
Oversize materials	<150 mm	To ensure the input hopper is not blocked
pH	>4	To ensure compatibility with the unit
Materials classified as H1 under the hazardous waste regulations.	None	Could cause explosion
Materials classified as H2 under the hazardous waste regulations.	None	Could cause fire/heat
Materials classified as H9 under the hazardous waste regulations.	None	Abatement not suitable to abate infectious material.
Materials classified by risk phrase R17 – spontaneously flammable in air	None	Could cause fire
Materials classified by risk phrase R14 and R15 – violently reacts with water	None	Could cause fire/ heat
Materials containing PCB's	<50 mg/kg	Ensure process control

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
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 physical and chemical processing of metalliferous minerals
01 03 04*	acid-generating tailings from processing of sulphide ore
01 03 05*	other tailings containing dangerous substances
01 03 06	tailings other than those mentioned in 01 03 04 and 01 03 05
01 03 07*	other wastes containing dangerous substances from physical and chemical processing of metalliferous minerals
01 03 08	dusty and powdery wastes other than those mentioned in 01 03 07
01 03 09	red mud from alumina production other than the wastes mentioned in 01 03 07
01 04	wastes from physical and chemical processing of non-metalliferous minerals
01 04 07*	wastes containing dangerous substances from physical and chemical processing of non-metalliferous minerals
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
01 04 10	dusty and powdery wastes other than those mentioned in 01 04 07
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
01 05 05*	oil-containing drilling muds and wastes
01 05 06*	drilling muds and other drilling wastes containing dangerous substances
01 05 07	barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
01 05 08	chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
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 01 03	plant-tissue waste
02 01 07	wastes from forestry
02 01 08*	agrochemical waste containing dangerous substances
02 01 09	agrochemical waste other than those mentioned in 02 01 08
02 01 10	waste metal

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
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 03	materials unsuitable for consumption or processing
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 02	wastes from preserving agents
02 03 04	materials unsuitable for consumption or processing
02 03 05	sludges from on-site effluent treatment
02 04	wastes from sugar processing
02 04 01	soil from cleaning and washing beet
02 04 02	off-specification calcium carbonate
02 04 03	sludges from on-site effluent treatment
02 05	wastes from the dairy products industry
02 05 01	materials unsuitable for consumption or processing
02 05 02	sludges from on-site effluent treatment
02 06	wastes from the baking and confectionery industry
02 06 01	materials unsuitable for consumption or processing
02 06 02	wastes from preserving agents
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 02	wastes from spirits distillation
02 07 03	wastes from chemical treatment
02 07 04	materials unsuitable for consumption or processing
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 01	wastes from wood processing and the production of panels and furniture
03 01 01	waste bark and cork
03 01 04*	sawdust, shavings, cuttings, wood, particle board and veneer containing dangerous substances
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
03 02	wastes from wood preservation
03 02 01*	non-halogenated organic wood preservatives

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
03 02 02*	organochlorinated wood preservatives
03 02 03*	organometallic wood preservatives
03 02 04*	inorganic wood preservatives
03 02 05*	other wood preservatives containing dangerous substances
03 03	wastes from pulp, paper and cardboard production and processing
03 03 01	waste bark and wood
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 08	wastes from sorting of paper and cardboard destined for recycling
03 03 09	lime mud waste
03 03 10	fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
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 01	fleshings and lime split wastes
04 01 02	liming waste
04 01 03*	degreasing wastes containing solvents without a liquid phase
04 01 04	tanning liquor containing chromium
04 01 05	tanning liquor free of chromium
04 01 06	sludges, in particular from on-site effluent treatment containing chromium
04 01 07	sludges, in particular from on-site effluent treatment free of chromium
04 01 08	waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium
04 01 09	wastes from dressing and finishing
04 02	wastes from the textile industry
04 02 09	wastes from composite materials (impregnated textile, elastomer, plastomer)
04 02 10	organic matter from natural products (for example grease, wax)
04 02 14*	wastes from finishing containing organic solvents
04 02 15	wastes from finishing other than those mentioned in 04 02 14
04 02 16*	dyestuffs and pigments containing dangerous substances
04 02 17	dyestuffs and pigments other than those mentioned in 04 02 16
04 02 19*	sludges from on-site effluent treatment containing dangerous substances
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

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
05 01	wastes from petroleum refining
05 01 02*	desalter sludges
05 01 03*	tank bottom sludges
05 01 04*	acid alkyl sludges
05 01 05*	oil spills
05 01 06*	oily sludges from maintenance operations of the plant or equipment
05 01 07*	acid tars
05 01 08*	other tars
05 01 09*	sludges from on-site effluent treatment containing dangerous substances
05 01 10	sludges from on-site effluent treatment other than those mentioned in 05 01 09
05 01 11*	wastes from cleaning of fuels with bases
05 01 12*	oil containing acids
05 01 13	boiler feedwater sludges
05 01 14	wastes from cooling columns
05 01 15*	spent filter clays
05 01 16	sulphur-containing wastes from petroleum desulphurisation
05 01 17	Bitumen
05 06	wastes from the pyrolytic treatment of coal
05 06 01*	acid tars
05 06 03*	other tars
05 06 04	waste from cooling columns
05 07	wastes from natural gas purification and transportation
05 07 01*	wastes containing mercury
05 07 02	wastes containing sulphur
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 03	wastes from the MFSU of salts and their solutions and metallic oxides

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
06 03 11*	solid salts and solutions containing cyanides
06 03 13*	solid salts and solutions containing heavy metals
06 03 14	solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13
06 03 15*	metallic oxides containing heavy metals
06 03 16	metallic oxides other than those mentioned in 06 03 15
06 04	metal-containing wastes other than those mentioned in 06 03
06 04 03*	wastes containing arsenic
06 04 04*	wastes containing mercury
06 04 05*	wastes containing other heavy metals
06 05	sludges from on-site effluent treatment
06 05 02*	sludges from on-site effluent treatment containing dangerous substances
06 05 03	sludges from on-site effluent treatment other than those mentioned in 06 05 02
06 06	wastes from the MFSU of sulphur chemicals, sulphur chemical processes and desulphurisation processes
06 06 02*	wastes containing dangerous sulphides
06 06 03	wastes containing sulphides other than those mentioned in 06 06 02
06 07	wastes from the MFSU of halogens and halogen chemical processes
06 07 02*	activated carbon from chlorine production
06 07 03*	barium sulphate sludge containing mercury
06 07 04*	solutions and acids, for example contact acid
06 08	wastes from the MFSU of silicon and silicon derivatives
06 08 02*	wastes containing dangerous silicones
06 09	wastes from the MFSU of phosphorous chemicals and phosphorous chemical processes
06 09 02	phosphorous slag
06 09 03*	calcium-based reaction wastes containing or contaminated with dangerous substances
06 09 04	calcium-based reaction wastes other than those mentioned in 06 09 03
06 10	wastes from the MFSU of nitrogen chemicals, nitrogen chemical processes and fertiliser manufacture
06 10 02*	wastes containing dangerous substances
06 11	wastes from the manufacture of inorganic pigments and opacifiers
06 11 01	calcium-based reaction wastes from titanium dioxide production
06 13	wastes from inorganic chemical processes not otherwise specified
06 13 01*	inorganic plant protection products, wood-preserving agents and other biocides.
06 13 02*	spent activated carbon (except 06 07 02)
06 13 03	carbon black
06 13 05*	Soot
07	WASTES FROM ORGANIC CHEMICAL PROCESSES

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
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 03*	organic halogenated solvents, washing liquids and mother liquors
07 01 04*	other organic solvents, washing liquids and mother liquors
07 01 07*	halogenated still bottoms and reaction residues
07 01 08*	other still bottoms and reaction residues
07 01 09*	halogenated filter cakes and spent absorbents
07 01 10*	other filter cakes and spent absorbents
07 01 11*	sludges from on-site effluent treatment containing dangerous substances
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 01*	aqueous washing liquids and mother liquors
07 02 03*	organic halogenated solvents, washing liquids and mother liquors
07 02 04*	other organic solvents, washing liquids and mother liquors
07 02 07*	halogenated still bottoms and reaction residues
07 02 08*	other still bottoms and reaction residues
07 02 09*	halogenated filter cakes and spent absorbents
07 02 10*	other filter cakes and spent absorbents
07 02 11*	sludges from on-site effluent treatment containing dangerous substances
07 02 12	sludges from on-site effluent treatment other than those mentioned in 07 02 11
07 02 13	waste plastic
07 02 14*	wastes from additives containing dangerous substances
07 02 15	wastes from additives other than those mentioned in 07 02 14
07 02 16*	wastes containing dangerous silicones
07 02 17	wastes containing silicones other than those mentioned in 07 02 16
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 03*	organic halogenated solvents, washing liquids and mother liquors
07 03 04*	other organic solvents, washing liquids and mother liquors
07 03 07*	halogenated still bottoms and reaction residues
07 03 08*	other still bottoms and reaction residues
07 03 09*	halogenated filter cakes and spent absorbents
07 03 10*	other filter cakes and spent absorbents
07 03 11*	sludges from on-site effluent treatment containing dangerous substances
07 03 12	sludges from on-site effluent treatment other than those mentioned in 07 03 11
07 04	wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
07 04 01*	aqueous washing liquids and mother liquors
07 04 03*	organic halogenated solvents, washing liquids and mother liquors
07 04 04*	other organic solvents, washing liquids and mother liquors
07 04 07*	halogenated still bottoms and reaction residues
07 04 08*	other still bottoms and reaction residues
07 04 09*	halogenated filter cakes and spent absorbents
07 04 10*	other filter cakes and spent absorbents
07 04 11*	sludges from on-site effluent treatment containing dangerous substances
07 04 12	sludges from on-site effluent treatment other than those mentioned in 07 04 11
07 04 13*	solid wastes containing dangerous substances
07 05	wastes from the MFSU of pharmaceuticals
07 05 01*	aqueous washing liquids and mother liquors
07 05 03*	organic halogenated solvents, washing liquids and mother liquors
07 05 04*	other organic solvents, washing liquids and mother liquors
07 05 07*	halogenated still bottoms and reaction residues
07 05 08*	other still bottoms and reaction residues
07 05 09*	halogenated filter cakes and spent absorbents
07 05 10*	other filter cakes and spent absorbents
07 05 11*	sludges from on-site effluent treatment containing dangerous substances
07 05 12	sludges from on-site effluent treatment other than those mentioned in 07 05 11
07 05 13*	solid wastes containing dangerous 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 03*	organic halogenated solvents, washing liquids and mother liquors
07 06 04*	other organic solvents, washing liquids and mother liquors
07 06 07*	halogenated still bottoms and reaction residues
07 06 08*	other still bottoms and reaction residues
07 06 09*	halogenated filter cakes and spent absorbents
07 06 10*	other filter cakes and spent absorbents
07 06 11*	sludges from on-site effluent treatment containing dangerous substances
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 01*	aqueous washing liquids and mother liquors
07 07 03*	organic halogenated solvents, washing liquids and mother liquors
07 07 04*	other organic solvents, washing liquids and mother liquors
07 07 07*	halogenated still bottoms and reaction residues

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
07 07 08*	other still bottoms and reaction residues
07 07 09*	halogenated filter cakes and spent absorbents
07 07 10*	other filter cakes and spent absorbents
07 07 11*	sludges from on-site effluent treatment containing dangerous substances
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 11*	waste paint and varnish containing organic solvents or other dangerous substances
08 01 12	waste paint and varnish other than those mentioned in 08 01 11
08 01 13*	sludges from paint or varnish containing organic solvents or other dangerous substances
08 01 14	sludges from paint or varnish other than those mentioned in 08 01 13
08 01 15*	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances
08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
08 01 17*	wastes from paint or varnish removal containing organic solvents or other dangerous substances
08 01 18	wastes from paint or varnish removal other than those mentioned in 08 01 17
08 01 19*	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances
08 01 20	aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
08 01 21*	waste paint or varnish remover
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 12*	waste ink containing dangerous substances
08 03 14*	ink sludges containing dangerous substances
08 03 15	ink sludges other than those mentioned in 08 03 14
08 03 16*	waste etching solutions
08 03 17*	waste printing toner containing dangerous substances
08 03 18	waste printing toner other than those mentioned in 08 03 17
08 04	wastes from MFSU of adhesives and sealants (including waterproofing products)

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
08 04 09*	waste adhesives and sealants containing organic solvents or other dangerous substances
08 04 11*	adhesive and sealant sludges containing organic solvents or other dangerous substances
08 04 12	adhesive and sealant sludges other than those mentioned in 08 04 11
08 04 13*	aqueous sludges containing adhesives or sealants containing organic solvents or other dangerous substances
08 04 14	aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13
08 04 15*	aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances
08 04 16	aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
08 04 17*	rosin oil
08 05	wastes not otherwise specified in 08
08 05 01*	waste isocyanates
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 05*	bleach solutions and bleach fixer solutions
09 01 06*	wastes containing silver from on-site treatment of photographic wastes
09 01 07	photographic film and paper containing silver or silver compounds
09 01 08	photographic film and paper free of silver or silver compounds
09 01 10	single-use cameras without batteries
09 01 11*	single-use cameras containing batteries included in 16 06 01, 16 06 02 or 16 06 03
09 01 12	single-use cameras containing batteries other than those mentioned in 09 01 11
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 01	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
10 01 02	coal fly ash
10 01 03	fly ash from peat and untreated wood
10 01 04*	oil fly ash and boiler dust
10 01 05	calcium-based reaction wastes from flue-gas desulphurisation in solid form
10 01 07	calcium-based reaction wastes from flue-gas desulphurisation in sludge form
10 01 09*	sulphuric acid
10 01 13*	fly ash from emulsified hydrocarbons used as fuel

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
10 01 14*	bottom ash, slag and boiler dust from co-incineration containing dangerous substances
10 01 15	bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
10 01 16*	fly ash from co-incineration containing dangerous substances
10 01 17	fly ash from co-incineration other than those mentioned in 10 01 16
10 01 18*	wastes from gas cleaning containing dangerous substances
10 01 19	wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
10 01 20*	sludges from on-site effluent treatment containing dangerous substances
10 01 21	sludges from on-site effluent treatment other than those mentioned in 10 01 20
10 01 22*	aqueous sludges from boiler cleansing containing dangerous substances
10 01 23	aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
10 01 24	sands from fluidised beds
10 01 25	wastes from fuel storage and preparation of coal-fired power plants
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 02 02	unprocessed slag
10 02 07*	solid wastes from gas treatment containing dangerous substances
10 02 08	solid wastes from gas treatment other than those mentioned in 10 02 07
10 02 11*	wastes from cooling-water treatment containing oil
10 02 12	wastes from cooling-water treatment other than those mentioned in 10 02 11
10 02 13*	sludges and filter cakes from gas treatment containing dangerous substances
10 02 14	sludges and filter cakes from gas treatment other than those mentioned in 10 02 13
10 02 15	other sludges and filter cakes
10 03	wastes from aluminium thermal metallurgy
10 03 02	anode scraps
10 03 04*	primary production slags
10 03 05	waste alumina
10 03 08*	salt slags from secondary production
10 03 09*	black drosses from secondary production
10 03 16	skimmings other than those mentioned in 10 03 15
10 03 17*	tar-containing wastes from anode manufacture
10 03 18	carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17
10 03 19*	flue-gas dust containing dangerous substances
10 03 20	flue-gas dust other than those mentioned in 10 03 19
10 03 21*	other particulates and dust (including ball-mill dust) containing dangerous substances

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
10 03 22	other particulates and dust (including ball-mill dust) other than those mentioned in 10 03 21
10 03 23*	solid wastes from gas treatment containing dangerous substances
10 03 24	solid wastes from gas treatment other than those mentioned in 10 03 23
10 03 25*	sludges and filter cakes from gas treatment containing dangerous substances
10 03 26	sludges and filter cakes from gas treatment other than those mentioned in 10 03 25
10 03 27*	wastes from cooling-water treatment containing oil
10 03 28	wastes from cooling-water treatment other than those mentioned in 10 03 27
10 03 29*	wastes from treatment of salt slags and black drosses containing dangerous substances
10 03 30	wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29
10 04	wastes from lead thermal metallurgy
10 04 01*	slags from primary and secondary production
10 04 02*	dross and skimmings from primary and secondary production
10 04 03*	calcium arsenate
10 04 04*	flue-gas dust
10 04 05*	other particulates and dust
10 04 06*	solid wastes from gas treatment
10 04 07*	sludges and filter cakes from gas treatment
10 04 09*	wastes from cooling-water treatment containing oil
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 01	slags from primary and secondary production
10 05 03*	flue-gas dust
10 05 04	other particulates and dust
10 05 05*	solid waste from gas treatment
10 05 06*	sludges and filter cakes from gas treatment
10 05 08*	wastes from cooling-water treatment containing oil
10 05 09	wastes from cooling-water treatment other than those mentioned in 10 05 08
10 05 10*	dross and skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities
10 05 11	dross and skimmings other than those mentioned in 10 05 10
10 06	wastes from copper thermal metallurgy
10 06 01	slags from primary and secondary production
10 06 02	dross and skimmings from primary and secondary production
10 06 03*	flue-gas dust
10 06 04	other particulates and dust
10 06 06*	solid wastes from gas treatment

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
10 06 07*	sludges and filter cakes from gas treatment
10 06 09*	wastes from cooling-water treatment containing oil
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 01	slags from primary and secondary production
10 07 02	dross and skimmings from primary and secondary production
10 07 03	solid wastes from gas treatment
10 07 04	other particulates and dust
10 07 05	sludges and filter cakes from gas treatment
10 07 07*	wastes from cooling-water treatment containing oil
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 04	particulates and dust
10 08 08*	salt slag from primary and secondary production
10 08 09	other slags
10 08 11	dross and skimmings other than those mentioned in 10 08 10
10 08 12*	tar-containing wastes from anode manufacture
10 08 13	carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12
10 08 14	anode scrap
10 08 15*	flue-gas dust containing dangerous substances
10 08 16	flue-gas dust other than those mentioned in 10 08 15
10 08 17*	sludges and filter cakes from flue-gas treatment containing dangerous substances
10 08 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17
10 08 19*	wastes from cooling-water treatment containing oil
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 03	furnace slag
10 09 05*	casting cores and moulds which have not undergone pouring containing dangerous substances
10 09 06	casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05
10 09 07*	casting cores and moulds which have undergone pouring containing dangerous substances
10 09 08	casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07
10 09 09*	flue-gas dust containing dangerous substances
10 09 10	flue-gas dust other than those mentioned in 10 09 09
10 09 11*	other particulates containing dangerous substances

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
10 09 12	other particulates other than those mentioned in 10 09 11
10 09 13*	waste binders containing dangerous substances
10 09 14	waste binders other than those mentioned in 10 09 13
10 09 15*	waste crack-indicating agent containing dangerous substances
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 03	furnace slag
10 10 05*	casting cores and moulds which have not undergone pouring, containing dangerous substances
10 10 06	casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05
10 10 07*	casting cores and moulds which have undergone pouring, containing dangerous substances
10 10 08	casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07
10 10 09*	flue-gas dust containing dangerous substances
10 10 10	flue-gas dust other than those mentioned in 10 10 09
10 10 11*	other particulates containing dangerous substances
10 10 12	other particulates other than those mentioned in 10 10 11
10 10 13*	waste binders containing dangerous substances
10 10 14	waste binders other than those mentioned in 10 10 13
10 10 15*	waste crack-indicating agent containing dangerous substances
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 03	waste glass-based fibrous materials
10 11 05	particulates and dust
10 11 09*	waste preparation mixture before thermal processing, containing dangerous substances
10 11 10	waste preparation mixture before thermal processing, other than those mentioned in 10 11 09
10 11 11*	waste glass in small particles and glass powder containing heavy metals (for example from cathode ray tubes)
10 11 12	waste glass other than those mentioned in 10 11 11
10 11 13*	glass-polishing and -grinding sludge containing dangerous substances
10 11 14	glass-polishing and -grinding sludge other than those mentioned in 10 11 13
10 11 15*	solid wastes from flue-gas treatment containing dangerous substances
10 11 16	solid wastes from flue-gas treatment other than those mentioned in 10 11 15
10 11 17*	sludges and filter cakes from flue-gas treatment containing dangerous substances
10 11 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
10 11 19*	solid wastes from on-site effluent treatment containing dangerous substances
10 11 20	solid wastes from on-site effluent treatment other than those mentioned in 10 11 19
10 12	wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 01	waste preparation mixture before thermal processing
10 12 03	particulates and dust
10 12 05	sludges and filter cakes from gas treatment
10 12 06	discarded moulds
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
10 12 09*	solid wastes from gas treatment containing dangerous substances
10 12 10	solid wastes from gas treatment other than those mentioned in 10 12 09
10 12 11*	wastes from glazing containing heavy metals
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 06	particulates and dust (except 10 13 12 and 10 13 13)
10 13 07	sludges and filter cakes from gas treatment
10 13 09*	wastes from asbestos-cement manufacture containing asbestos
10 13 10	wastes from asbestos-cement manufacture other than those mentioned in 10 13 09
10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
10 13 12*	solid wastes from gas treatment containing dangerous substances
10 13 13	solid wastes from gas treatment other than those mentioned in 10 13 12
10 13 14	waste concrete and concrete sludge
10 14	waste from crematoria
10 14 01*	waste from gas cleaning containing mercury
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 dangerous substances
11 01 10	sludges and filter cakes other than those mentioned in 11 01 09

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
11 01 11*	aqueous rinsing liquids containing dangerous substances
11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11
11 01 13*	degreasing wastes containing dangerous substances
11 01 14	degreasing wastes other than those mentioned in 11 01 13
11 01 15*	eluate and sludges from membrane systems or ion exchange systems containing dangerous substances
11 01 16*	saturated or spent ion exchange resins
11 01 98*	other wastes containing dangerous substances
11 02	wastes from non-ferrous hydrometallurgical processes
11 02 02*	sludges from zinc hydrometallurgy (including jarosite, goethite)
11 02 03	wastes from the production of anodes for aqueous electrolytical processes
11 02 05*	wastes from copper hydrometallurgical processes containing dangerous substances
11 02 06	wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
11 02 07*	other wastes containing dangerous substances
11 03	sludges and solids from tempering processes
11 03 01*	wastes containing cyanide
11 03 02*	other wastes
11 05	wastes from hot galvanising processes
11 05 01	hard zinc
11 05 02	zinc ash
11 05 03*	solid wastes from gas treatment
11 05 04*	spent flux
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 01	ferrous metal filings and turnings
12 01 02	ferrous metal dust and particles
12 01 03	non-ferrous metal filings and turnings
12 01 04	non-ferrous metal dust and particles
12 01 05	plastics shavings and turnings
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 dangerous substances

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
12 01 15	machining sludges other than those mentioned in 12 01 14
12 01 16*	waste blasting material containing dangerous substances
12 01 17	waste blasting material other than those mentioned in 12 01 16
12 01 18*	metal sludge (grinding, honing and lapping sludge) containing oil
12 01 19*	readily biodegradable machining oil
12 01 20*	spent grinding bodies and grinding materials containing dangerous substances
12 01 21	spent grinding bodies and grinding materials other than those mentioned in 12 01 20
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 01*	hydraulic oils, containing PCBs
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 01*	insulating or heat transmission oils containing PCBs
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

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
13 04 03*	bilge oils from other navigation
13 05	oil/water separator contents
13 05 01*	solids from grit chambers and oil/water separators
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
13 07 01*	fuel oil and diesel
13 07 02*	Petrol
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
14	WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08)
14 06	waste organic solvents, refrigerants and foam/aerosol propellants
14 06 01*	chlorofluorocarbons, HCFC, HFC
14 06 02*	other halogenated solvents and solvent mixtures
14 06 03*	other solvents and solvent mixtures
14 06 04*	sludges or solid wastes containing halogenated solvents
14 06 05*	sludges or solid wastes containing other solvents
15	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01	packaging (including separately collected municipal packaging waste)
15 01 02	plastic packaging
15 01 03	wooden packaging
15 01 04	metallic packaging
15 01 05	composite packaging
15 01 06	mixed packaging
15 01 07	glass packaging
15 01 09	textile packaging
15 01 10*	packaging containing residues of or contaminated by dangerous substances
15 01 11*	metallic packaging containing a dangerous solid porous matrix (for example asbestos), including empty pressure containers
15 02	absorbents, filter materials, wiping cloths and protective clothing
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 01	end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)
16 01 07*	oil filters
16 01 08*	components containing mercury
16 01 09*	components containing PCBs
16 01 11*	brake pads containing asbestos
16 01 12	brake pads other than those mentioned in 16 01 11
16 01 13*	brake fluids
16 01 14*	antifreeze fluids containing dangerous substances
16 01 15	antifreeze fluids other than those mentioned in 16 01 14
16 01 16	tanks for liquefied gas
16 01 17	ferrous metal
16 01 18	non-ferrous metal
16 01 19	Plastic
16 01 20	Glass
16 01 21*	hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14
16 01 22	components not otherwise specified
16 02	wastes from electrical and electronic equipment
16 02 09*	transformers and capacitors containing PCBs
16 02 10*	discarded equipment containing or contaminated by PCBs other than those mentioned in 16 02 09
16 02 11*	discarded equipment containing chlorofluorocarbons, HCFC, HFC
16 02 12*	discarded equipment containing free asbestos
16 02 13*	discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 15*	hazardous components removed from discarded equipment
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15
16 03	off-specification batches and unused products
16 03 03*	inorganic wastes containing dangerous substances
16 03 04	inorganic wastes other than those mentioned in 16 03 03
16 03 05*	organic wastes containing dangerous substances
16 03 06	organic wastes other than those mentioned in 16 03 05
16 05	gases in pressure containers and discarded chemicals

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
16 05 04*	gases in pressure containers (including halons) containing dangerous substances
16 05 05	gases in pressure containers other than those mentioned in 16 05 04
16 05 06*	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
16 05 07*	discarded inorganic chemicals consisting of or containing dangerous substances
16 05 08*	discarded organic chemicals consisting of or containing dangerous substances
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08
16 06	batteries and accumulators
16 06 01*	lead batteries
16 06 02*	Ni-Cd batteries
16 06 03*	mercury-containing batteries
16 06 04	alkaline batteries (except 16 06 03)
16 06 05	other batteries and accumulators
16 06 06*	separately collected electrolyte from batteries and accumulators
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 dangerous substances
16 08	spent catalysts
16 08 01	spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07)
16 08 02*	spent catalysts containing dangerous transition metals or dangerous transition metal compounds
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 08 05*	spent catalysts containing phosphoric acid
16 08 06*	spent liquids used as catalysts
16 08 07*	spent catalysts contaminated with dangerous substances
16 09	oxidising substances
16 09 01*	permanganates, for example potassium permanganate
16 09 02*	chromates, for example potassium chromate, potassium or sodium dichromate
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 dangerous substances
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01
16 10 03*	aqueous concentrates containing dangerous substances
16 10 04	aqueous concentrates other than those mentioned in 16 10 03
16 11	waste linings and refractories

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
16 11 01*	carbon-based linings and refractories from metallurgical processes containing dangerous substances
16 11 02	carbon-based linings and refractories from metallurgical processes others than those mentioned in 16 11 01
16 11 03*	other linings and refractories from metallurgical processes containing dangerous substances
16 11 04	other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
16 11 05*	linings and refractories from non-metallurgical processes containing dangerous substances
16 11 06	linings and refractories from non-metallurgical processes others than those mentioned in 16 11 05
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 01	concrete, bricks, tiles and ceramics
17 01 01	Concrete
17 01 02	Bricks
17 01 03	tiles and ceramics
17 01 06*	mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 02	wood, glass and plastic
17 02 01	Wood
17 02 02	Glass
17 02 03	Plastic
17 02 04*	glass, plastic and wood containing or contaminated with dangerous substances
17 03	bituminous mixtures, coal tar and tarred products
17 03 01*	bituminous mixtures containing coal tar
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 03 03*	coal tar and tarred products
17 04	metals (including their alloys)
17 04 01	copper, bronze, brass
17 04 02	Aluminium
17 04 03	Lead
17 04 04	Zinc
17 04 05	iron and steel
17 04 06	Tin
17 04 07	mixed metals
17 04 09*	metal waste contaminated with dangerous substances
17 04 10*	cables containing oil, coal tar and other dangerous substances

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
17 04 11	cables other than those mentioned in 17 04 10
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 03*	soil and stones containing dangerous substances
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 05*	dredging spoil containing dangerous substances
17 05 06	dredging spoil other than those mentioned in 17 05 05
17 05 07*	track ballast containing dangerous substances
17 05 08	track ballast other than those mentioned in 17 05 07
17 06	insulation materials and asbestos-containing construction materials
17 06 01*	insulation materials containing asbestos
17 06 03*	other insulation materials consisting of or containing dangerous substances
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03
17 06 05*	construction materials containing asbestos
17 08	gypsum-based construction material
17 08 01*	gypsum-based construction materials contaminated with dangerous substances
17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01
17 09	other construction and demolition wastes
17 09 01*	construction and demolition wastes containing mercury
17 09 02*	construction and demolition wastes containing PCB (for example PCB-containing sealants, PCB-containing resin-based floorings, PCB-containing sealed glazing units, PCB-containing capacitors)
17 09 03*	other construction and demolition wastes (including mixed wastes) containing dangerous substances
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
18	WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)
18 01	wastes from natal care, diagnosis, treatment or prevention of disease in humans
18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers)
18 01 06*	chemicals consisting of or containing dangerous substances
18 01 07	chemicals other than those mentioned in 18 01 06
18 01 10*	amalgam waste from dental care
18 02	wastes from research, diagnosis, treatment or prevention of disease involving animals
18 02 03	wastes whose collection and disposal is not subject to special requirements in order to prevent infection
18 02 05*	chemicals consisting of or containing dangerous substances

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
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 02	ferrous materials removed from bottom ash
19 01 05*	filter cake from gas treatment
19 01 06*	aqueous liquid wastes from gas treatment and other aqueous liquid wastes
19 01 07*	solid wastes from gas treatment
19 01 10*	spent activated carbon from flue-gas treatment
19 01 11*	bottom ash and slag containing dangerous substances
19 01 12	bottom ash and slag other than those mentioned in 19 01 11
19 01 13*	fly ash containing dangerous substances
19 01 14	fly ash other than those mentioned in 19 01 13
19 01 15*	boiler dust containing dangerous substances
19 01 16	boiler dust other than those mentioned in 19 01 15
19 01 17*	pyrolysis wastes containing dangerous substances
19 01 18	pyrolysis wastes other than those mentioned in 19 01 17
19 01 19	sands from fluidised beds
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 04*	premixed wastes composed of at least one hazardous waste
19 02 05*	sludges from physico/chemical treatment containing dangerous substances
19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05
19 02 07*	oil and concentrates from separation
19 02 08*	liquid combustible wastes containing dangerous substances
19 02 09*	solid combustible wastes containing dangerous substances
19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09
19 02 11*	other wastes containing dangerous substances
19 03	stabilised/solidified wastes
19 03 04*	wastes marked as hazardous, partly stabilised
19 03 05	stabilised wastes other than those mentioned in 19 03 04
19 03 06*	wastes marked as hazardous, solidified
19 03 07	solidified wastes other than those mentioned in 19 03 06
19 04	vitrified waste and wastes from vitrification
19 04 01	vitrified waste
19 04 02*	fly ash and other flue-gas treatment wastes
19 04 03*	non-vitrified solid phase

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
19 04 04	aqueous liquid wastes from vitrified waste tempering
19 05	wastes from aerobic treatment of solid wastes
19 05 01	non-composted fraction of municipal and similar wastes
19 05 02	non-composted fraction of animal and vegetable waste
19 05 03	off-specification compost
19 06	wastes from anaerobic treatment of waste
19 06 03	liquor from anaerobic treatment of municipal waste
19 06 04	digestate from anaerobic treatment of municipal waste
19 06 05	liquor from anaerobic treatment of animal and vegetable waste
19 06 06	digestate from anaerobic treatment of animal and vegetable waste
19 07	landfill leachate
19 07 02*	landfill leachate containing dangerous substances
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 01	Screenings
19 08 02	waste from desanding
19 08 05	sludges from treatment of urban waste water
19 08 06*	saturated or spent ion exchange resins
19 08 07*	solutions and sludges from regeneration of ion exchangers
19 08 08*	membrane system waste containing heavy metals
19 08 09	grease and oil mixture from oil/water separation containing only edible oil and fats
19 08 10*	grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
19 08 11*	sludges containing dangerous substances from biological treatment of industrial waste water
19 08 12	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
19 08 13*	sludges containing dangerous substances from other treatment of industrial waste water
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 01	solid waste from primary filtration and screenings
19 09 02	sludges from water clarification
19 09 03	sludges from decarbonation
19 09 04	spent activated carbon
19 09 05	saturated or spent ion exchange resins
19 09 06	solutions and sludges from regeneration of ion exchangers
19 10	wastes from shredding of metal-containing wastes

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
19 10 01	iron and steel waste
19 10 02	non-ferrous waste
19 10 03*	fluff-light fraction and dust containing dangerous substances
19 10 04	fluff-light fraction and dust other than those mentioned in 19 10 03
19 10 05*	other fractions containing dangerous substances
19 10 06	other fractions other than those mentioned in 19 10 05
19 11	wastes from oil regeneration
19 11 01*	spent filter clays
19 11 02*	acid tars
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 dangerous substances
19 11 06	sludges from on-site effluent treatment other than those mentioned in 19 11 05
19 11 07*	wastes from flue-gas cleaning
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 01	paper and cardboard
19 12 02	ferrous metal
19 12 03	non-ferrous metal
19 12 04	plastic and rubber
19 12 05	Glass
19 12 06*	wood containing dangerous substances
19 12 07	wood other than that mentioned in 19 12 06
19 12 08	Textiles
19 12 09	minerals (for example sand, stones)
19 12 10	combustible waste (refuse derived fuel)
19 12 11*	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
19 13	wastes from soil and groundwater remediation
19 13 01*	solid wastes from soil remediation containing dangerous substances
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 03*	sludges from soil remediation containing dangerous substances
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
19 13 05*	sludges from groundwater remediation containing dangerous substances
19 13 06	sludges from groundwater remediation other than those mentioned in 19 13 05
19 13 07*	aqueous liquid wastes and aqueous concentrates from groundwater remediation containing dangerous substances

Table S2.3 Permitted waste types and quantities for Waste Recovery Facility (AR7)	
Maximum quantity	100,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
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 11	Textiles
20 01 13*	Solvents
20 01 14*	Acids
20 01 15*	Alkalines
20 01 17*	Photochemicals
20 01 19*	Pesticides
20 01 21*	fluorescent tubes and other mercury-containing waste
20 01 23*	discarded equipment containing chlorofluorocarbons
20 01 25	edible oil and fat
20 01 26*	oil and fat other than those mentioned in 20 01 25
20 01 27*	paint, inks, adhesives and resins containing dangerous substances
20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27
20 01 29*	detergents containing dangerous substances
20 01 30	detergents other than those mentioned in 20 01 29
20 01 32	medicines other than those mentioned in 20 01 31
20 01 33*	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries
20 01 34	batteries and accumulators other than those mentioned in 20 01 33
20 01 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 37*	wood containing dangerous substances
20 01 38	wood other than that mentioned in 20 01 37
20 01 39	Plastics
20 01 40	Metals
20 01 41	wastes from chimney sweeping

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
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 physical and chemical processing of metalliferous minerals
01 03 04*	acid-generating tailings from processing of sulphide ore
01 03 05*	other tailings containing dangerous substances
01 03 06	tailings other than those mentioned in 01 03 04 and 01 03 05
01 03 07*	other wastes containing dangerous substances from physical and chemical processing of metalliferous minerals
01 03 08	dusty and powdery wastes other than those mentioned in 01 03 07
01 03 09	red mud from alumina production other than the wastes mentioned in 01 03 07
01 04	wastes from physical and chemical processing of non-metalliferous minerals
01 04 07*	wastes containing dangerous substances from physical and chemical processing of non-metalliferous minerals
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
01 04 10	dusty and powdery wastes other than those mentioned in 01 04 07
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
01 05 05*	oil-containing drilling muds and wastes
01 05 06*	drilling muds and other drilling wastes containing dangerous substances
01 05 07	barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
01 05 08	chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
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 01 03	plant-tissue waste
02 01 07	wastes from forestry
02 01 08*	agrochemical waste containing dangerous substances
02 01 09	agrochemical waste other than those mentioned in 02 01 08
02 01 10	waste metal

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
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 03	materials unsuitable for consumption or processing
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 02	wastes from preserving agents
02 03 04	materials unsuitable for consumption or processing
02 03 05	sludges from on-site effluent treatment
02 04	wastes from sugar processing
02 04 01	soil from cleaning and washing beet
02 04 02	off-specification calcium carbonate
02 04 03	sludges from on-site effluent treatment
02 05	wastes from the dairy products industry
02 05 01	materials unsuitable for consumption or processing
02 05 02	sludges from on-site effluent treatment
02 06	wastes from the baking and confectionery industry
02 06 01	materials unsuitable for consumption or processing
02 06 02	wastes from preserving agents
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 02	wastes from spirits distillation
02 07 03	wastes from chemical treatment
02 07 04	materials unsuitable for consumption or processing
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 01	wastes from wood processing and the production of panels and furniture
03 01 01	waste bark and cork
03 01 04*	sawdust, shavings, cuttings, wood, particle board and veneer containing dangerous substances
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
03 02	wastes from wood preservation
03 02 01*	non-halogenated organic wood preservatives

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
03 02 02*	organochlorinated wood preservatives
03 02 03*	organometallic wood preservatives
03 02 04*	inorganic wood preservatives
03 02 05*	other wood preservatives containing dangerous substances
03 03	wastes from pulp, paper and cardboard production and processing
03 03 01	waste bark and wood
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 08	wastes from sorting of paper and cardboard destined for recycling
03 03 09	lime mud waste
03 03 10	fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
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 01	fleshings and lime split wastes
04 01 02	liming waste
04 01 03*	degreasing wastes containing solvents without a liquid phase
04 01 04	tanning liquor containing chromium
04 01 05	tanning liquor free of chromium
04 01 06	sludges, in particular from on-site effluent treatment containing chromium
04 01 07	sludges, in particular from on-site effluent treatment free of chromium
04 01 08	waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium
04 01 09	wastes from dressing and finishing
04 02	wastes from the textile industry
04 02 09	wastes from composite materials (impregnated textile, elastomer, plastomer)
04 02 10	organic matter from natural products (for example grease, wax)
04 02 14*	wastes from finishing containing organic solvents
04 02 15	wastes from finishing other than those mentioned in 04 02 14
04 02 16*	dyestuffs and pigments containing dangerous substances
04 02 17	dyestuffs and pigments other than those mentioned in 04 02 16
04 02 19*	sludges from on-site effluent treatment containing dangerous substances
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

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
05 01	wastes from petroleum refining
05 01 02*	desalter sludges
05 01 03*	tank bottom sludges
05 01 04*	acid alkyl sludges
05 01 05*	oil spills
05 01 06*	oily sludges from maintenance operations of the plant or equipment
05 01 07*	acid tars
05 01 08*	other tars
05 01 09*	sludges from on-site effluent treatment containing dangerous substances
05 01 10	sludges from on-site effluent treatment other than those mentioned in 05 01 09
05 01 11*	wastes from cleaning of fuels with bases
05 01 12*	oil containing acids
05 01 13	boiler feedwater sludges
05 01 14	wastes from cooling columns
05 01 15*	spent filter clays
05 01 16	sulphur-containing wastes from petroleum desulphurisation
05 01 17	Bitumen
05 06	wastes from the pyrolytic treatment of coal
05 06 01*	acid tars
05 06 03*	other tars
05 06 04	waste from cooling columns
05 07	wastes from natural gas purification and transportation
05 07 01*	wastes containing mercury
05 07 02	wastes containing sulphur
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 03	wastes from the MFSU of salts and their solutions and metallic oxides

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
06 03 11*	solid salts and solutions containing cyanides
06 03 13*	solid salts and solutions containing heavy metals
06 03 14	solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13
06 03 15*	metallic oxides containing heavy metals
06 03 16	metallic oxides other than those mentioned in 06 03 15
06 04	metal-containing wastes other than those mentioned in 06 03
06 04 03*	wastes containing arsenic
06 04 04*	wastes containing mercury
06 04 05*	wastes containing other heavy metals
06 05	sludges from on-site effluent treatment
06 05 02*	sludges from on-site effluent treatment containing dangerous substances
06 05 03	sludges from on-site effluent treatment other than those mentioned in 06 05 02
06 06	wastes from the MFSU of sulphur chemicals, sulphur chemical processes and desulphurisation processes
06 06 02*	wastes containing dangerous sulphides
06 06 03	wastes containing sulphides other than those mentioned in 06 06 02
06 07	wastes from the MFSU of halogens and halogen chemical processes
06 07 02*	activated carbon from chlorine production
06 07 03*	barium sulphate sludge containing mercury
06 07 04*	solutions and acids, for example contact acid
06 08	wastes from the MFSU of silicon and silicon derivatives
06 08 02*	wastes containing dangerous silicones
06 09	wastes from the MFSU of phosphorous chemicals and phosphorous chemical processes
06 09 02	phosphorous slag
06 09 03*	calcium-based reaction wastes containing or contaminated with dangerous substances
06 09 04	calcium-based reaction wastes other than those mentioned in 06 09 03
06 10	wastes from the MFSU of nitrogen chemicals, nitrogen chemical processes and fertiliser manufacture
06 10 02*	wastes containing dangerous substances
06 11	wastes from the manufacture of inorganic pigments and opacifiers
06 11 01	calcium-based reaction wastes from titanium dioxide production
06 13	wastes from inorganic chemical processes not otherwise specified
06 13 01*	inorganic plant protection products, wood-preserving agents and other biocides.
06 13 02*	spent activated carbon (except 06 07 02)
06 13 03	carbon black
06 13 05*	Soot
07	WASTES FROM ORGANIC CHEMICAL PROCESSES

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
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 03*	organic halogenated solvents, washing liquids and mother liquors
07 01 04*	other organic solvents, washing liquids and mother liquors
07 01 07*	halogenated still bottoms and reaction residues
07 01 08*	other still bottoms and reaction residues
07 01 09*	halogenated filter cakes and spent absorbents
07 01 10*	other filter cakes and spent absorbents
07 01 11*	sludges from on-site effluent treatment containing dangerous substances
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 01*	aqueous washing liquids and mother liquors
07 02 03*	organic halogenated solvents, washing liquids and mother liquors
07 02 04*	other organic solvents, washing liquids and mother liquors
07 02 07*	halogenated still bottoms and reaction residues
07 02 08*	other still bottoms and reaction residues
07 02 09*	halogenated filter cakes and spent absorbents
07 02 10*	other filter cakes and spent absorbents
07 02 11*	sludges from on-site effluent treatment containing dangerous substances
07 02 12	sludges from on-site effluent treatment other than those mentioned in 07 02 11
07 02 13	waste plastic
07 02 14*	wastes from additives containing dangerous substances
07 02 15	wastes from additives other than those mentioned in 07 02 14
07 02 16*	wastes containing dangerous silicones
07 02 17	wastes containing silicones other than those mentioned in 07 02 16
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 03*	organic halogenated solvents, washing liquids and mother liquors
07 03 04*	other organic solvents, washing liquids and mother liquors
07 03 07*	halogenated still bottoms and reaction residues
07 03 08*	other still bottoms and reaction residues
07 03 09*	halogenated filter cakes and spent absorbents
07 03 10*	other filter cakes and spent absorbents
07 03 11*	sludges from on-site effluent treatment containing dangerous substances
07 03 12	sludges from on-site effluent treatment other than those mentioned in 07 03 11
07 04	wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
07 04 01*	aqueous washing liquids and mother liquors
07 04 03*	organic halogenated solvents, washing liquids and mother liquors
07 04 04*	other organic solvents, washing liquids and mother liquors
07 04 07*	halogenated still bottoms and reaction residues
07 04 08*	other still bottoms and reaction residues
07 04 09*	halogenated filter cakes and spent absorbents
07 04 10*	other filter cakes and spent absorbents
07 04 11*	sludges from on-site effluent treatment containing dangerous substances
07 04 12	sludges from on-site effluent treatment other than those mentioned in 07 04 11
07 04 13*	solid wastes containing dangerous substances
07 05	wastes from the MFSU of pharmaceuticals
07 05 01*	aqueous washing liquids and mother liquors
07 05 03*	organic halogenated solvents, washing liquids and mother liquors
07 05 04*	other organic solvents, washing liquids and mother liquors
07 05 07*	halogenated still bottoms and reaction residues
07 05 08*	other still bottoms and reaction residues
07 05 09*	halogenated filter cakes and spent absorbents
07 05 10*	other filter cakes and spent absorbents
07 05 11*	sludges from on-site effluent treatment containing dangerous substances
07 05 12	sludges from on-site effluent treatment other than those mentioned in 07 05 11
07 05 13*	solid wastes containing dangerous 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 03*	organic halogenated solvents, washing liquids and mother liquors
07 06 04*	other organic solvents, washing liquids and mother liquors
07 06 07*	halogenated still bottoms and reaction residues
07 06 08*	other still bottoms and reaction residues
07 06 09*	halogenated filter cakes and spent absorbents
07 06 10*	other filter cakes and spent absorbents
07 06 11*	sludges from on-site effluent treatment containing dangerous substances
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 01*	aqueous washing liquids and mother liquors
07 07 03*	organic halogenated solvents, washing liquids and mother liquors
07 07 04*	other organic solvents, washing liquids and mother liquors
07 07 07*	halogenated still bottoms and reaction residues

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
07 07 08*	other still bottoms and reaction residues
07 07 09*	halogenated filter cakes and spent absorbents
07 07 10*	other filter cakes and spent absorbents
07 07 11*	sludges from on-site effluent treatment containing dangerous substances
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 11*	waste paint and varnish containing organic solvents or other dangerous substances
08 01 12	waste paint and varnish other than those mentioned in 08 01 11
08 01 13*	sludges from paint or varnish containing organic solvents or other dangerous substances
08 01 14	sludges from paint or varnish other than those mentioned in 08 01 13
08 01 15*	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances
08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
08 01 17*	wastes from paint or varnish removal containing organic solvents or other dangerous substances
08 01 18	wastes from paint or varnish removal other than those mentioned in 08 01 17
08 01 19*	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances
08 01 20	aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
08 01 21*	waste paint or varnish remover
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 12*	waste ink containing dangerous substances
08 03 14*	ink sludges containing dangerous substances
08 03 15	ink sludges other than those mentioned in 08 03 14
08 03 16*	waste etching solutions
08 03 17*	waste printing toner containing dangerous substances
08 03 18	waste printing toner other than those mentioned in 08 03 17
08 04	wastes from MFSU of adhesives and sealants (including waterproofing products)

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
08 04 09*	waste adhesives and sealants containing organic solvents or other dangerous substances
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
08 04 11*	adhesive and sealant sludges containing organic solvents or other dangerous substances
08 04 12	adhesive and sealant sludges other than those mentioned in 08 04 11
08 04 13*	aqueous sludges containing adhesives or sealants containing organic solvents or other dangerous substances
08 04 14	aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13
08 04 15*	aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances
08 04 16	aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
08 04 17*	rosin oil
08 05	wastes not otherwise specified in 08
08 05 01*	waste isocyanates
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 05*	bleach solutions and bleach fixer solutions
09 01 06*	wastes containing silver from on-site treatment of photographic wastes
09 01 07	photographic film and paper containing silver or silver compounds
09 01 08	photographic film and paper free of silver or silver compounds
09 01 10	single-use cameras without batteries
09 01 11*	single-use cameras containing batteries included in 16 06 01, 16 06 02 or 16 06 03
09 01 12	single-use cameras containing batteries other than those mentioned in 09 01 11
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 01	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
10 01 02	coal fly ash
10 01 03	fly ash from peat and untreated wood
10 01 04*	oil fly ash and boiler dust
10 01 05	calcium-based reaction wastes from flue-gas desulphurisation in solid form
10 01 07	calcium-based reaction wastes from flue-gas desulphurisation in sludge form
10 01 09*	sulphuric acid

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
10 01 13*	fly ash from emulsified hydrocarbons used as fuel
10 01 14*	bottom ash, slag and boiler dust from co-incineration containing dangerous substances
10 01 15	bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
10 01 16*	fly ash from co-incineration containing dangerous substances
10 01 17	fly ash from co-incineration other than those mentioned in 10 01 16
10 01 18*	wastes from gas cleaning containing dangerous substances
10 01 19	wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
10 01 20*	sludges from on-site effluent treatment containing dangerous substances
10 01 21	sludges from on-site effluent treatment other than those mentioned in 10 01 20
10 01 22*	aqueous sludges from boiler cleansing containing dangerous substances
10 01 23	aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
10 01 24	sands from fluidised beds
10 01 25	wastes from fuel storage and preparation of coal-fired power plants
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 02 02	unprocessed slag
10 02 07*	solid wastes from gas treatment containing dangerous substances
10 02 08	solid wastes from gas treatment other than those mentioned in 10 02 07
10 02 11*	wastes from cooling-water treatment containing oil
10 02 12	wastes from cooling-water treatment other than those mentioned in 10 02 11
10 02 13*	sludges and filter cakes from gas treatment containing dangerous substances
10 02 14	sludges and filter cakes from gas treatment other than those mentioned in 10 02 13
10 02 15	other sludges and filter cakes
10 03	wastes from aluminium thermal metallurgy
10 03 02	anode scraps
10 03 04*	primary production slags
10 03 05	waste alumina
10 03 08*	salt slags from secondary production
10 03 09*	black drosses from secondary production
10 03 16	skimmings other than those mentioned in 10 03 15
10 03 17*	tar-containing wastes from anode manufacture
10 03 18	carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17
10 03 19*	flue-gas dust containing dangerous substances
10 03 20	flue-gas dust other than those mentioned in 10 03 19
10 03 21*	other particulates and dust (including ball-mill dust) containing dangerous substances

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
10 03 22	other particulates and dust (including ball-mill dust) other than those mentioned in 10 03 21
10 03 23*	solid wastes from gas treatment containing dangerous substances
10 03 24	solid wastes from gas treatment other than those mentioned in 10 03 23
10 03 25*	sludges and filter cakes from gas treatment containing dangerous substances
10 03 26	sludges and filter cakes from gas treatment other than those mentioned in 10 03 25
10 03 27*	wastes from cooling-water treatment containing oil
10 03 28	wastes from cooling-water treatment other than those mentioned in 10 03 27
10 03 29*	wastes from treatment of salt slags and black drosses containing dangerous substances
10 03 30	wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29
10 04	wastes from lead thermal metallurgy
10 04 01*	slags from primary and secondary production
10 04 02*	dross and skimmings from primary and secondary production
10 04 03*	calcium arsenate
10 04 04*	flue-gas dust
10 04 05*	other particulates and dust
10 04 06*	solid wastes from gas treatment
10 04 07*	sludges and filter cakes from gas treatment
10 04 09*	wastes from cooling-water treatment containing oil
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 01	slags from primary and secondary production
10 05 03*	flue-gas dust
10 05 04	other particulates and dust
10 05 05*	solid waste from gas treatment
10 05 06*	sludges and filter cakes from gas treatment
10 05 08*	wastes from cooling-water treatment containing oil
10 05 09	wastes from cooling-water treatment other than those mentioned in 10 05 08
10 05 10*	dross and skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities
10 05 11	dross and skimmings other than those mentioned in 10 05 10
10 06	wastes from copper thermal metallurgy
10 06 01	slags from primary and secondary production
10 06 02	dross and skimmings from primary and secondary production
10 06 03*	flue-gas dust
10 06 04	other particulates and dust
10 06 06*	solid wastes from gas treatment

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
10 06 07*	sludges and filter cakes from gas treatment
10 06 09*	wastes from cooling-water treatment containing oil
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 01	slags from primary and secondary production
10 07 02	dross and skimmings from primary and secondary production
10 07 03	solid wastes from gas treatment
10 07 04	other particulates and dust
10 07 05	sludges and filter cakes from gas treatment
10 07 07*	wastes from cooling-water treatment containing oil
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 04	particulates and dust
10 08 08*	salt slag from primary and secondary production
10 08 09	other slags
10 08 11	dross and skimmings other than those mentioned in 10 08 10
10 08 12*	tar-containing wastes from anode manufacture
10 08 13	carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12
10 08 14	anode scrap
10 08 15*	flue-gas dust containing dangerous substances
10 08 16	flue-gas dust other than those mentioned in 10 08 15
10 08 17*	sludges and filter cakes from flue-gas treatment containing dangerous substances
10 08 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17
10 08 19*	wastes from cooling-water treatment containing oil
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 03	furnace slag
10 09 05*	casting cores and moulds which have not undergone pouring containing dangerous substances
10 09 06	casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05
10 09 07*	casting cores and moulds which have undergone pouring containing dangerous substances
10 09 08	casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07
10 09 09*	flue-gas dust containing dangerous substances
10 09 10	flue-gas dust other than those mentioned in 10 09 09
10 09 11*	other particulates containing dangerous substances

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
10 09 12	other particulates other than those mentioned in 10 09 11
10 09 13*	waste binders containing dangerous substances
10 09 14	waste binders other than those mentioned in 10 09 13
10 09 15*	waste crack-indicating agent containing dangerous substances
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 03	furnace slag
10 10 05*	casting cores and moulds which have not undergone pouring, containing dangerous substances
10 10 06	casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05
10 10 07*	casting cores and moulds which have undergone pouring, containing dangerous substances
10 10 08	casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07
10 10 09*	flue-gas dust containing dangerous substances
10 10 10	flue-gas dust other than those mentioned in 10 10 09
10 10 11*	other particulates containing dangerous substances
10 10 12	other particulates other than those mentioned in 10 10 11
10 10 13*	waste binders containing dangerous substances
10 10 14	waste binders other than those mentioned in 10 10 13
10 10 15*	waste crack-indicating agent containing dangerous substances
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 03	waste glass-based fibrous materials
10 11 05	particulates and dust
10 11 09*	waste preparation mixture before thermal processing, containing dangerous substances
10 11 10	waste preparation mixture before thermal processing, other than those mentioned in 10 11 09
10 11 11*	waste glass in small particles and glass powder containing heavy metals (for example from cathode ray tubes)
10 11 12	waste glass other than those mentioned in 10 11 11
10 11 13*	glass-polishing and -grinding sludge containing dangerous substances
10 11 14	glass-polishing and -grinding sludge other than those mentioned in 10 11 13
10 11 15*	solid wastes from flue-gas treatment containing dangerous substances
10 11 16	solid wastes from flue-gas treatment other than those mentioned in 10 11 15
10 11 17*	sludges and filter cakes from flue-gas treatment containing dangerous substances
10 11 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
10 11 19*	solid wastes from on-site effluent treatment containing dangerous substances
10 11 20	solid wastes from on-site effluent treatment other than those mentioned in 10 11 19
10 12	wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 01	waste preparation mixture before thermal processing
10 12 03	particulates and dust
10 12 05	sludges and filter cakes from gas treatment
10 12 06	discarded moulds
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
10 12 09*	solid wastes from gas treatment containing dangerous substances
10 12 10	solid wastes from gas treatment other than those mentioned in 10 12 09
10 12 11*	wastes from glazing containing heavy metals
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 06	particulates and dust (except 10 13 12 and 10 13 13)
10 13 07	sludges and filter cakes from gas treatment
10 13 09*	wastes from asbestos-cement manufacture containing asbestos
10 13 10	wastes from asbestos-cement manufacture other than those mentioned in 10 1309
10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
10 13 12*	solid wastes from gas treatment containing dangerous substances
10 13 13	solid wastes from gas treatment other than those mentioned in 10 13 12
10 13 14	waste concrete and concrete sludge
10 14	waste from crematoria
10 14 01*	waste from gas cleaning containing mercury
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 dangerous substances
11 01 10	sludges and filter cakes other than those mentioned in 11 01 09

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
11 01 11*	aqueous rinsing liquids containing dangerous substances
11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11
11 01 13*	degreasing wastes containing dangerous substances
11 01 14	degreasing wastes other than those mentioned in 11 01 13
11 01 15*	eluate and sludges from membrane systems or ion exchange systems containing dangerous substances
11 01 16*	saturated or spent ion exchange resins
11 01 98*	other wastes containing dangerous substances
11 02	wastes from non-ferrous hydrometallurgical processes
11 02 02*	sludges from zinc hydrometallurgy (including jarosite, goethite)
11 02 03	wastes from the production of anodes for aqueous electrolytical processes
11 02 05*	wastes from copper hydrometallurgical processes containing dangerous substances
11 02 06	wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
11 02 07*	other wastes containing dangerous substances
11 03	sludges and solids from tempering processes
11 03 01*	wastes containing cyanide
11 03 02*	other wastes
11 05	wastes from hot galvanising processes
11 05 01	hard zinc
11 05 02	zinc ash
11 05 03*	solid wastes from gas treatment
11 05 04*	spent flux
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 01	ferrous metal filings and turnings
12 01 02	ferrous metal dust and particles
12 01 03	non-ferrous metal filings and turnings
12 01 04	non-ferrous metal dust and particles
12 01 05	plastics shavings and turnings
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 dangerous substances

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
12 01 15	machining sludges other than those mentioned in 12 01 14
12 01 16*	waste blasting material containing dangerous substances
12 01 17	waste blasting material other than those mentioned in 12 01 16
12 01 18*	metal sludge (grinding, honing and lapping sludge) containing oil
12 01 19*	readily biodegradable machining oil
12 01 20*	spent grinding bodies and grinding materials containing dangerous substances
12 01 21	spent grinding bodies and grinding materials other than those mentioned in 12 01 20
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 01*	hydraulic oils, containing PCBs
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 01*	insulating or heat transmission oils containing PCBs
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

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
13 04 03*	bilge oils from other navigation
13 05	oil/water separator contents
13 05 01*	solids from grit chambers and oil/water separators
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
13 07 01*	fuel oil and diesel
13 07 02*	Petrol
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
14	WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08)
14 06	waste organic solvents, refrigerants and foam/aerosol propellants
14 06 01*	chlorofluorocarbons, HCFC, HFC
14 06 02*	other halogenated solvents and solvent mixtures
14 06 03*	other solvents and solvent mixtures
14 06 04*	sludges or solid wastes containing halogenated solvents
14 06 05*	sludges or solid wastes containing other solvents
15	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01	packaging (including separately collected municipal packaging waste)
15 01 02	plastic packaging
15 01 03	wooden packaging
15 01 04	metallic packaging
15 01 05	composite packaging
15 01 06	mixed packaging
15 01 07	glass packaging
15 01 09	textile packaging
15 01 10*	packaging containing residues of or contaminated by dangerous substances
15 01 11*	metallic packaging containing a dangerous solid porous matrix (for example asbestos), including empty pressure containers
15 02	absorbents, filter materials, wiping cloths and protective clothing
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 01	end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)
16 01 07*	oil filters
16 01 08*	components containing mercury
16 01 09*	components containing PCBs
16 01 11*	brake pads containing asbestos
16 01 12	brake pads other than those mentioned in 16 01 11
16 01 13*	brake fluids
16 01 14*	antifreeze fluids containing dangerous substances
16 01 15	antifreeze fluids other than those mentioned in 16 01 14
16 01 16	tanks for liquefied gas
16 01 17	ferrous metal
16 01 18	non-ferrous metal
16 01 19	Plastic
16 01 20	Glass
16 01 21*	hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14
16 01 22	components not otherwise specified
16 02	wastes from electrical and electronic equipment
16 02 09*	transformers and capacitors containing PCBs
16 02 10*	discarded equipment containing or contaminated by PCBs other than those mentioned in 16 02 09
16 02 11*	discarded equipment containing chlorofluorocarbons, HCFC, HFC
16 02 12*	discarded equipment containing free asbestos
16 02 13*	discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 15*	hazardous components removed from discarded equipment
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15
16 03	off-specification batches and unused products
16 03 03*	inorganic wastes containing dangerous substances
16 03 04	inorganic wastes other than those mentioned in 16 03 03
16 03 05*	organic wastes containing dangerous substances
16 03 06	organic wastes other than those mentioned in 16 03 05
16 05	gases in pressure containers and discarded chemicals

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
16 05 04*	gases in pressure containers (including halons) containing dangerous substances
16 05 05	gases in pressure containers other than those mentioned in 16 05 04
16 05 06*	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
16 05 07*	discarded inorganic chemicals consisting of or containing dangerous substances
16 05 08*	discarded organic chemicals consisting of or containing dangerous substances
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08
16 06	batteries and accumulators
16 06 01*	lead batteries
16 06 02*	Ni-Cd batteries
16 06 03*	mercury-containing batteries
16 06 04	alkaline batteries (except 16 06 03)
16 06 05	other batteries and accumulators
16 06 06*	separately collected electrolyte from batteries and accumulators
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 dangerous substances
16 08	spent catalysts
16 08 01	spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07)
16 08 02*	spent catalysts containing dangerous transition metals or dangerous transition metal compounds
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 08 05*	spent catalysts containing phosphoric acid
16 08 06*	spent liquids used as catalysts
16 08 07*	spent catalysts contaminated with dangerous substances
16 09	oxidising substances
16 09 01*	permanganates, for example potassium permanganate
16 09 02*	chromates, for example potassium chromate, potassium or sodium dichromate
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 dangerous substances
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01
16 10 03*	aqueous concentrates containing dangerous substances
16 10 04	aqueous concentrates other than those mentioned in 16 10 03
16 11	waste linings and refractories

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
16 11 01*	carbon-based linings and refractories from metallurgical processes containing dangerous substances
16 11 02	carbon-based linings and refractories from metallurgical processes others than those mentioned in 16 11 01
16 11 03*	other linings and refractories from metallurgical processes containing dangerous substances
16 11 04	other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
16 11 05*	linings and refractories from non-metallurgical processes containing dangerous substances
16 11 06	linings and refractories from non-metallurgical processes others than those mentioned in 16 11 05
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 01	concrete, bricks, tiles and ceramics
17 01 01	Concrete
17 01 02	Bricks
17 01 03	tiles and ceramics
17 01 06*	mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 02	wood, glass and plastic
17 02 01	Wood
17 02 02	Glass
17 02 03	Plastic
17 02 04*	glass, plastic and wood containing or contaminated with dangerous substances
17 03	bituminous mixtures, coal tar and tarred products
17 03 01*	bituminous mixtures containing coal tar
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 03 03*	coal tar and tarred products
17 04	metals (including their alloys)
17 04 01	copper, bronze, brass
17 04 02	Aluminium
17 04 03	Lead
17 04 04	Zinc
17 04 05	iron and steel
17 04 06	Tin
17 04 07	mixed metals
17 04 09*	metal waste contaminated with dangerous substances
17 04 10*	cables containing oil, coal tar and other dangerous substances

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
17 04 11	cables other than those mentioned in 17 04 10
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 03*	soil and stones containing dangerous substances
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 05*	dredging spoil containing dangerous substances
17 05 06	dredging spoil other than those mentioned in 17 05 05
17 05 07*	track ballast containing dangerous substances
17 05 08	track ballast other than those mentioned in 17 05 07
17 06	insulation materials and asbestos-containing construction materials
17 06 01*	insulation materials containing asbestos
17 06 03*	other insulation materials consisting of or containing dangerous substances
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03
17 06 05*	construction materials containing asbestos
17 08	gypsum-based construction material
17 08 01*	gypsum-based construction materials contaminated with dangerous substances
17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01
17 09	other construction and demolition wastes
17 09 01*	construction and demolition wastes containing mercury
17 09 02*	construction and demolition wastes containing PCB (for example PCB-containing sealants, PCB-containing resin-based floorings, PCB-containing sealed glazing units, PCB-containing capacitors)
17 09 03*	other construction and demolition wastes (including mixed wastes) containing dangerous substances
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
18	WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)
18 01	wastes from natal care, diagnosis, treatment or prevention of disease in humans
18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers)
18 01 06*	chemicals consisting of or containing dangerous substances
18 01 07	chemicals other than those mentioned in 18 01 06
18 01 10*	amalgam waste from dental care
18 02	wastes from research, diagnosis, treatment or prevention of disease involving animals
18 02 03	wastes whose collection and disposal is not subject to special requirements in order to prevent infection
18 02 05*	chemicals consisting of or containing dangerous substances

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
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 02	ferrous materials removed from bottom ash
19 01 05*	filter cake from gas treatment
19 01 06*	aqueous liquid wastes from gas treatment and other aqueous liquid wastes
19 01 07*	solid wastes from gas treatment
19 01 10*	spent activated carbon from flue-gas treatment
19 01 11*	bottom ash and slag containing dangerous substances
19 01 12	bottom ash and slag other than those mentioned in 19 01 11
19 01 13*	fly ash containing dangerous substances
19 01 14	fly ash other than those mentioned in 19 01 13
19 01 15*	boiler dust containing dangerous substances
19 01 16	boiler dust other than those mentioned in 19 01 15
19 01 17*	pyrolysis wastes containing dangerous substances
19 01 18	pyrolysis wastes other than those mentioned in 19 01 17
19 01 19	sands from fluidised beds
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 04*	premixed wastes composed of at least one hazardous waste
19 02 05*	sludges from physico/chemical treatment containing dangerous substances
19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05
19 02 07*	oil and concentrates from separation
19 02 08*	liquid combustible wastes containing dangerous substances
19 02 09*	solid combustible wastes containing dangerous substances
19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09
19 02 11*	other wastes containing dangerous substances
19 03	stabilised/solidified wastes
19 03 04*	wastes marked as hazardous, partly stabilised
19 03 05	stabilised wastes other than those mentioned in 19 03 04
19 03 06*	wastes marked as hazardous, solidified
19 03 07	solidified wastes other than those mentioned in 19 03 06
19 04	vitrified waste and wastes from vitrification
19 04 01	vitrified waste
19 04 02*	fly ash and other flue-gas treatment wastes
19 04 03*	non-vitrified solid phase

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
19 04 04	aqueous liquid wastes from vitrified waste tempering
19 05	wastes from aerobic treatment of solid wastes
19 05 01	non-composted fraction of municipal and similar wastes
19 05 02	non-composted fraction of animal and vegetable waste
19 05 03	off-specification compost
19 06	wastes from anaerobic treatment of waste
19 06 03	liquor from anaerobic treatment of municipal waste
19 06 04	digestate from anaerobic treatment of municipal waste
19 06 05	liquor from anaerobic treatment of animal and vegetable waste
19 06 06	digestate from anaerobic treatment of animal and vegetable waste
19 07	landfill leachate
19 07 02*	landfill leachate containing dangerous substances
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 01	Screenings
19 08 02	waste from desanding
19 08 05	sludges from treatment of urban waste water
19 08 06*	saturated or spent ion exchange resins
19 08 07*	solutions and sludges from regeneration of ion exchangers
19 08 08*	membrane system waste containing heavy metals
19 08 09	grease and oil mixture from oil/water separation containing only edible oil and fats
19 08 10*	grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
19 08 11*	sludges containing dangerous substances from biological treatment of industrial waste water
19 08 12	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
19 08 13*	sludges containing dangerous substances from other treatment of industrial waste water
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 01	solid waste from primary filtration and screenings
19 09 02	sludges from water clarification
19 09 03	sludges from decarbonation
19 09 04	spent activated carbon
19 09 05	saturated or spent ion exchange resins
19 09 06	solutions and sludges from regeneration of ion exchangers
19 10	wastes from shredding of metal-containing wastes

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
19 10 01	iron and steel waste
19 10 02	non-ferrous waste
19 10 03*	fluff-light fraction and dust containing dangerous substances
19 10 04	fluff-light fraction and dust other than those mentioned in 19 10 03
19 10 05*	other fractions containing dangerous substances
19 10 06	other fractions other than those mentioned in 19 10 05
19 11	wastes from oil regeneration
19 11 01*	spent filter clays
19 11 02*	acid tars
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 dangerous substances
19 11 06	sludges from on-site effluent treatment other than those mentioned in 19 11 05
19 11 07*	wastes from flue-gas cleaning
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 01	paper and cardboard
19 12 02	ferrous metal
19 12 03	non-ferrous metal
19 12 04	plastic and rubber
19 12 05	Glass
19 12 06*	wood containing dangerous substances
19 12 07	wood other than that mentioned in 19 12 06
19 12 08	Textiles
19 12 09	minerals (for example sand, stones)
19 12 10	combustible waste (refuse derived fuel)
19 12 11*	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
19 13	wastes from soil and groundwater remediation
19 13 01*	solid wastes from soil remediation containing dangerous substances
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 03*	sludges from soil remediation containing dangerous substances
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
19 13 05*	sludges from groundwater remediation containing dangerous substances
19 13 06	sludges from groundwater remediation other than those mentioned in 19 13 05
19 13 07*	aqueous liquid wastes and aqueous concentrates from groundwater remediation containing dangerous substances

Table S2.4 Permitted waste types and quantities for Waste Transfer Station (AR8)	
Maximum quantity	25,000 tonnes of hazardous wastes with waste hazard properties H2, H3a, H3b, H4 to H8, H10 to H15. 25,000 tonnes of non hazardous wastes
Waste code	Description
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 11	textiles
20 01 13*	Solvents
20 01 14*	Acids
20 01 15*	Alkalines
20 01 17*	Photochemicals
20 01 19*	Pesticides
20 01 21*	fluorescent tubes and other mercury-containing waste
20 01 23*	discarded equipment containing chlorofluorocarbons
20 01 25	edible oil and fat
20 01 26*	oil and fat other than those mentioned in 20 01 25
20 01 27*	paint, inks, adhesives and resins containing dangerous substances
20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27
20 01 29*	detergents containing dangerous substances
20 01 30	detergents other than those mentioned in 20 01 29
20 01 32	medicines other than those mentioned in 20 01 31
20 01 33*	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries
20 01 34	batteries and accumulators other than those mentioned in 20 01 33
20 01 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 37*	wood containing dangerous substances
20 01 38	wood other than that mentioned in 20 01 37
20 01 39	Plastics
20 01 40	Metals
20 01 41	wastes from chimney sweeping

Table S2.5 Permitted waste types and quantities for Tank Farm (AR4)	
Maximum quantity	48,000 tonnes of hazardous waste with waste hazard properties H2, H3a, H3b, H4 to H8, H10, H11, H13 to H15 – liquid waste only
	48,000 tonnes of non hazardous waste – liquid waste only

Waste code	Description
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 01 08*	agrochemical waste containing dangerous substances
02 01 09	agrochemical waste other than those mentioned in 02 01 08
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 03	materials unsuitable for consumption or processing
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 02	wastes from preserving agents
02 03 04	materials unsuitable for consumption or processing
02 03 05	sludges from on-site effluent treatment
02 04	wastes from sugar processing
02 04 02	off-specification calcium carbonate
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 02	wastes from preserving agents
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 04	materials unsuitable for consumption or processing
02 07 05	sludges from on-site effluent treatment
04	WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES
04 01	wastes from the leather and fur industry
04 01 01	fleshings and lime split wastes
04 01 02	liming waste
04 01 03*	degreasing wastes containing solvents without a liquid phase
04 01 04	tanning liquor containing chromium
04 01 05	tanning liquor free of chromium
04 01 06	sludges, in particular from on-site effluent treatment containing chromium
04 01 07	sludges, in particular from on-site effluent treatment free of chromium
04 02	wastes from the textile industry
04 02 14*	wastes from finishing containing organic solvents

Table S2.5 Permitted waste types and quantities for Tank Farm (AR4)	
Maximum quantity	48,000 tonnes of hazardous waste with waste hazard properties H2, H3a, H3b, H4 to H8, H10, H11, H13 to H15 – liquid waste only
	48,000 tonnes of non hazardous waste – liquid waste only
Waste code	Description
04 02 15	wastes from finishing other than those mentioned in 04 02 14
04 02 16*	dyestuffs and pigments containing dangerous substances
04 02 17	dyestuffs and pigments other than those mentioned in 04 02 16
04 02 19*	sludges from on-site effluent treatment containing dangerous substances
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 02*	desalter sludges
05 01 03*	tank bottom sludges
05 01 04*	acid alkyl sludges
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 dangerous substances
05 01 10	sludges from on-site effluent treatment other than those mentioned in 05 01 09
05 01 11*	wastes from cleaning of fuels with bases
05 01 12*	oil containing acids
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 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 03	wastes from the MFSU of salts and their solutions and metallic oxides
06 03 13*	solid salts and solutions containing heavy metals
06 03 14	solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13

Table S2.5 Permitted waste types and quantities for Tank Farm (AR4)	
Maximum quantity	48,000 tonnes of hazardous waste with waste hazard properties H2, H3a, H3b, H4 to H8, H10, H11, H13 to H15 – liquid waste only
	48,000 tonnes of non hazardous waste – liquid waste only
Waste code	Description
06 03 15*	metallic oxides containing heavy metals
06 03 16	metallic oxides other than those mentioned in 06 03 15
06 04	metal-containing wastes other than those mentioned in 06 03
06 04 03*	wastes containing arsenic
06 04 04*	wastes containing mercury
06 04 05*	wastes containing other heavy metals
06 05	sludges from on-site effluent treatment
06 05 02*	sludges from on-site effluent treatment containing dangerous substances
06 05 03	sludges from on-site effluent treatment other than those mentioned in 06 05 02
06 06	wastes from the MFSU of sulphur chemicals, sulphur chemical processes and desulphurisation processes
06 06 02*	wastes containing dangerous sulphides
06 06 03	wastes containing sulphides other than those mentioned in 06 06 02
06 07	wastes from the MFSU of halogens and halogen chemical processes
06 07 03*	barium sulphate sludge containing mercury
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 dangerous substances
06 09 04	calcium-based reaction wastes other than those mentioned in 06 09 03
06 10	wastes from the MFSU of nitrogen chemicals, nitrogen chemical processes and fertiliser manufacture
06 10 02*	wastes containing dangerous substances
06 11	wastes from the manufacture of inorganic pigments and opacifiers
06 11 01	calcium-based reaction wastes from titanium dioxide production
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 03*	organic halogenated solvents, washing liquids and mother liquors
07 01 04*	other organic solvents, washing liquids and mother liquors
07 01 07*	halogenated still bottoms and reaction residues
07 01 08*	other still bottoms and reaction residues
07 01 11*	sludges from on-site effluent treatment containing dangerous substances
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 01*	aqueous washing liquids and mother liquors
07 02 03*	organic halogenated solvents, washing liquids and mother liquors
07 02 04*	other organic solvents, washing liquids and mother liquors

Table S2.5 Permitted waste types and quantities for Tank Farm (AR4)	
Maximum quantity	48,000 tonnes of hazardous waste with waste hazard properties H2, H3a, H3b, H4 to H8, H10, H11, H13 to H15 – liquid waste only
	48,000 tonnes of non hazardous waste – liquid waste only
Waste code	Description
07 02 07*	halogenated still bottoms and reaction residues
07 02 08*	other still bottoms and reaction residues
07 02 11*	sludges from on-site effluent treatment containing dangerous substances
07 02 12	sludges from on-site effluent treatment other than those mentioned in 07 02 11
07 02 14*	wastes from additives containing dangerous substances
07 02 15	wastes from additives other than those mentioned in 07 02 14
07 02 16*	wastes containing dangerous silicones
07 02 17	wastes containing silicones other than those mentioned in 07 02 16
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 03*	organic halogenated solvents, washing liquids and mother liquors
07 03 04*	other organic solvents, washing liquids and mother liquors
07 03 07*	halogenated still bottoms and reaction residues
07 03 08*	other still bottoms and reaction residues
07 03 11*	sludges from on-site effluent treatment containing dangerous substances
07 03 12	sludges from on-site effluent treatment other than those mentioned in 07 03 11
07 04	wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides
07 04 01*	aqueous washing liquids and mother liquors
07 04 03*	organic halogenated solvents, washing liquids and mother liquors
07 04 04*	other organic solvents, washing liquids and mother liquors
07 04 11*	sludges from on-site effluent treatment containing dangerous substances
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 01*	aqueous washing liquids and mother liquors
07 05 03*	organic halogenated solvents, washing liquids and mother liquors
07 05 04*	other organic solvents, washing liquids and mother liquors
07 05 07*	halogenated still bottoms and reaction residues
07 05 08*	other still bottoms and reaction residues
07 05 11*	sludges from on-site effluent treatment containing dangerous substances
07 05 12	sludges from on-site effluent treatment other than those mentioned in 07 05 11
07 05 13*	solid wastes containing dangerous 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 03*	organic halogenated solvents, washing liquids and mother liquors
07 06 04*	other organic solvents, washing liquids and mother liquors
07 06 07*	halogenated still bottoms and reaction residues

Table S2.5 Permitted waste types and quantities for Tank Farm (AR4)	
Maximum quantity	48,000 tonnes of hazardous waste with waste hazard properties H2, H3a, H3b, H4 to H8, H10, H11, H13 to H15 – liquid waste only
	48,000 tonnes of non hazardous waste – liquid waste only
Waste code	Description
07 06 08*	other still bottoms and reaction residues
07 06 11*	sludges from on-site effluent treatment containing dangerous substances
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 01*	aqueous washing liquids and mother liquors
07 07 03*	organic halogenated solvents, washing liquids and mother liquors
07 07 04*	other organic solvents, washing liquids and mother liquors
07 07 07*	halogenated still bottoms and reaction residues
07 07 08*	other still bottoms and reaction residues
07 07 11*	sludges from on-site effluent treatment containing dangerous substances
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 13*	sludges from paint or varnish containing organic solvents or other dangerous substances
08 01 15*	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances
08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
08 01 17*	wastes from paint or varnish removal containing organic solvents or other dangerous substances
08 01 18	wastes from paint or varnish removal other than those mentioned in 08 01 17
08 01 19*	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances
08 01 20	aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
08 03	wastes from MFSU of printing inks
08 03 12*	waste ink containing dangerous substances
08 03 14*	ink sludges containing dangerous substances
08 03 15	ink sludges other than those mentioned in 08 03 14
08 03 19*	disperse oil
08 04	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 13*	aqueous sludges containing adhesives or sealants containing organic solvents or other dangerous substances
08 04 14	aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13
08 04 15*	aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances

Table S2.5 Permitted waste types and quantities for Tank Farm (AR4)	
Maximum quantity	48,000 tonnes of hazardous waste with waste hazard properties H2, H3a, H3b, H4 to H8, H10, H11, H13 to H15 – liquid waste only
	48,000 tonnes of non hazardous waste – liquid waste only
Waste code	Description
08 04 16	aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
08 04 17*	rosin oil
09	WASTES FROM THE PHOTOGRAPHIC INDUSTRY
09 01	wastes from the photographic industry
09 01 03*	solvent-based developer 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 dangerous substances
10 01 19	wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
10 01 20*	sludges from on-site effluent treatment containing dangerous substances
10 01 21	sludges from on-site effluent treatment other than those mentioned in 10 01 20
10 01 22*	aqueous sludges from boiler cleansing containing dangerous substances
10 01 23	aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
10 01 25	wastes from fuel storage and preparation of coal-fired power plants
10 01 26	wastes from cooling-water treatment
10 02	wastes from the iron and steel industry
10 02 11*	wastes from cooling-water treatment containing oil
10 02 12	wastes from cooling-water treatment other than those mentioned in 10 02 11
10 03	wastes from aluminium thermal metallurgy
10 03 27*	wastes from cooling-water treatment containing oil
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 09*	wastes from cooling-water treatment containing oil
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 08*	wastes from cooling-water treatment containing oil
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 09*	wastes from cooling-water treatment containing oil
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 07*	wastes from cooling-water treatment containing oil
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

Table S2.5 Permitted waste types and quantities for Tank Farm (AR4)	
Maximum quantity	48,000 tonnes of hazardous waste with waste hazard properties H2, H3a, H3b, H4 to H8, H10, H11, H13 to H15 – liquid waste only
	48,000 tonnes of non hazardous waste – liquid waste only
Waste code	Description
10 08 19*	wastes from cooling-water treatment containing oil
10 08 20	wastes from cooling-water treatment other than those mentioned in 10 08 19
10 12	wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 13	sludge from on-site effluent treatment
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 11*	aqueous rinsing liquids containing dangerous substances
11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11
11 01 13*	degreasing wastes containing dangerous substances
11 01 14	degreasing wastes other than those mentioned in 11 01 13
11 01 15*	eluate and sludges from membrane systems or ion exchange systems containing dangerous substances
11 01 98*	other wastes containing dangerous substances
11 02	wastes from non-ferrous hydrometallurgical processes
11 02 02*	sludges from zinc hydrometallurgy (including jarosite, goethite)
11 02 03	wastes from the production of anodes for aqueous electrolytical processes
11 02 05*	wastes from copper hydrometallurgical processes containing dangerous substances
11 02 06	wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
11 02 07*	other wastes containing dangerous substances
11 03	sludges and solids from tempering processes
11 03 02*	other wastes
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 Tank Farm (AR4)	
Maximum quantity	48,000 tonnes of hazardous waste with waste hazard properties H2, H3a, H3b, H4 to H8, H10, H11, H13 to H15 – liquid waste only
	48,000 tonnes of non hazardous waste – liquid waste only
Waste code	Description
12 01 18*	metal sludge (grinding, honing and lapping sludge) containing oil
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 01*	hydraulic oils, containing PCBs
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 01*	insulating or heat transmission oils containing PCBs
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 01*	solids from grit chambers and oil/water separators
13 05 02*	sludges from oil/water separators
13 05 03*	interceptor sludges

Table S2.5 Permitted waste types and quantities for Tank Farm (AR4)	
Maximum quantity	48,000 tonnes of hazardous waste with waste hazard properties H2, H3a, H3b, H4 to H8, H10, H11, H13 to H15 – liquid waste only
	48,000 tonnes of non hazardous waste – liquid waste only
Waste code	Description
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
13 07 01*	fuel oil and diesel
13 07 02*	Petrol
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
14	WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08)
14 06	waste organic solvents, refrigerants and foam/aerosol propellants
14 06 01*	chlorofluorocarbons, HCFC, HFC
14 06 02*	other halogenated solvents and solvent mixtures
14 06 03*	other solvents and solvent mixtures
14 06 04*	sludges or solid wastes containing halogenated solvents
14 06 05*	sludges or solid wastes containing other solvents
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 01	end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)
16 01 09*	components containing PCBs
16 01 13*	brake fluids
16 01 21*	hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14
16 01 22	components not otherwise specified
16 03	off-specification batches and unused products
16 03 03*	inorganic wastes containing dangerous substances
16 03 04	inorganic wastes other than those mentioned in 16 03 03
16 03 05*	organic wastes containing dangerous substances
16 03 06	organic wastes other than those mentioned in 16 03 05
16 05	gases in pressure containers and discarded chemicals
16 05 06*	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
16 05 07*	discarded inorganic chemicals consisting of or containing dangerous substances
16 05 08*	discarded organic chemicals consisting of or containing dangerous substances
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08
16 06	batteries and accumulators

Table S2.5 Permitted waste types and quantities for Tank Farm (AR4)	
Maximum quantity	48,000 tonnes of hazardous waste with waste hazard properties H2, H3a, H3b, H4 to H8, H10, H11, H13 to H15 – liquid waste only
	48,000 tonnes of non hazardous waste – liquid waste only
Waste code	Description
16 06 06*	separately collected electrolyte from batteries and accumulators
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 dangerous substances
16 08	spent catalysts
16 08 04	spent fluid catalytic cracking catalysts (except 16 08 07)
16 08 05*	spent catalysts containing phosphoric acid
16 08 06*	spent liquids used as catalysts
16 08 07*	spent catalysts contaminated with dangerous substances
16 09	oxidising substances
16 09 02*	chromates, for example potassium chromate, potassium or sodium dichromate
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 dangerous substances
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01
16 10 03*	aqueous concentrates containing dangerous substances
16 10 04	aqueous concentrates other than those mentioned in 16 10 03
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 dangerous substances
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 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 03	premixed wastes composed only of non-hazardous wastes
19 02 04*	premixed wastes composed of at least one hazardous waste
19 02 07*	oil and concentrates from separation
19 02 11*	other wastes containing dangerous substances
19 05	wastes from aerobic treatment of solid wastes
19 05 01	non-composted fraction of municipal and similar wastes
19 05 02	non-composted fraction of animal and vegetable waste
19 06	wastes from anaerobic treatment of waste

Table S2.5 Permitted waste types and quantities for Tank Farm (AR4)	
Maximum quantity	48,000 tonnes of hazardous waste with waste hazard properties H2, H3a, H3b, H4 to H8, H10, H11, H13 to H15 – liquid waste only
	48,000 tonnes of non hazardous waste – liquid waste only
Waste code	Description
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 02*	landfill leachate containing dangerous substances
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 08*	membrane system waste containing heavy metals
19 08 09	grease and oil mixture from oil/water separation containing only edible oil and fats
19 08 10*	grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
19 08 13*	sludges containing dangerous substances from other treatment of industrial waste water
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 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 dangerous substances
19 11 06	sludges from on-site effluent treatment other than those mentioned in 19 11 05
19 11 07*	wastes from flue-gas cleaning
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 11*	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
19 13	wastes from soil and groundwater remediation
19 13 07*	aqueous liquid wastes and aqueous concentrates from groundwater remediation containing dangerous substances
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 13*	Solvents
20 01 14*	Acids
20 01 15*	Alkalines

Table S2.5 Permitted waste types and quantities for Tank Farm (AR4)	
Maximum quantity	48,000 tonnes of hazardous waste with waste hazard properties H2, H3a, H3b, H4 to H8, H10, H11, H13 to H15 – liquid waste only
	48,000 tonnes of non hazardous waste – liquid waste only
Waste code	Description
20 01 25	edible oil and fat
20 01 26*	oil and fat other than those mentioned in 20 01 25

Table S2.6 Permitted waste types and quantities for Effluent Treatment Plant (AR5)	
Maximum quantity	500,000 tonnes of hazardous wastes with waste hazard properties H4, H5 and H14.
	50,000 tonnes of non hazardous wastes
Waste code	Description
As per Pre-operational condition PB 17 (Table S1.4)	As per Pre-operational condition PB 17 (Table S1.4)

Table S2.7 Permitted waste types and quantities for Anaerobic Digestion Plant (AR6)	
Maximum quantity	40,000 tonnes of hazardous wastes with waste hazard properties H4 and H5
	40,000 tonnes of non hazardous wastes
Waste code	Description
As per Pre-operational condition PB 14 (Table S1.4)	As per Pre-operational condition PB 14 (Table S1.4)

Table S2.8 Permitted waste types and quantities for Waste Wood Energy Recovery Plant (AR1)	
Maximum quantity	48,000 tonnes of hazardous wastes with waste hazard properties H5 to H7, and H14.
	48,000 tonnes of non hazardous wastes
Waste code	Description
As per Pre-operational condition 11 (Table S1.4)	As per Pre-operational condition PB11 (Table S1.4)

Table S2.9 Permitted waste types and quantities for Plasma Treatment (AR2)	
Maximum quantity	60,000 tonnes of hazardous wastes with waste hazard properties H4 to H8, H10 to H15.
	60,000 tonnes of non hazardous wastes
Waste code	Description
As per Pre-operational condition PB 7 (Table S1.4)	As per Pre-operational condition PB 7 (Table S1.4)

Table S2.10 Permitted waste types, Min and Max CV, Maximum content of Pollutants and quantities for the Waste Wood Energy Recovery facility and the Plasma facility				
Maximum quantity	48,000 tonnes of Hazardous Waste 48,000 tonnes of Non Hazardous Waste			
Waste code	Description	Min CV	Max CV	Maximum Content of Pollutants
As per Pre-operational condition PB 7 and PB 11 (Table S1.4)	As per Pre-operational condition PB 7 and PB 11 (Table S1.4)	As per Pre-operational condition PB 7 and PB 11 (Table S1.4)	As per Pre-operational condition PB 7 and PB 11 (Table S1.4)	As per Pre-operational condition PB 7 and PB 11 (Table S1.4)

Table S2.11 Permitted waste types and quantities for Soil Washing Plant (AR9)	
Maximum quantity	350,000 tonnes/year with hazardous properties H4 – H7, H8, H10, H11, H13 and H14
Waste code	Description
01	Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals
01 03	wastes from physical and chemical processing of metalliferous minerals
01 03 05*	other tailings containing dangerous substances
01 03 06	tailings other than those mentioned in 01 03 04 and 01 03 05
01 03 07*	other wastes containing dangerous 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 dangerous substances from physical and chemical processing of non-metalliferous minerals
01 04 09	waste sand and clays
01 04 11	wastes from potash and rock salt processing other than those mentioned in 01 04 07
01 05	drilling muds and other drilling wastes
01 05 04	freshwater drilling muds and wastes
01 05 05*	oil-containing drilling muds
01 05 06*	drilling muds and other drilling wastes containing dangerous substances
01 05 07	barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
01 05 08	chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
10	Waste from thermal processes
10 01	wastes from power stations and other combustion plants (except 19)
10 01 01	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
10 01 02	coal fly ash
10 01 03	fly ash from peat and untreated wood
10 01 04*	oil fly ash and boiler dust
10 01 05	calcium-based reaction wastes from flue-gas desulphurisation in solid form
10 01 13*	fly ash from emulsified hydrocarbons used as fuel
10 01 14*	bottom ash, slag and boiler dust from co-incineration containing dangerous substances
10 01 15	bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
10 01 16*	fly ash from co-incineration containing dangerous substances
10 01 17	fly ash from co-incineration other than those mentioned in 10 01 16
10 01 18*	wastes from gas cleaning containing dangerous substances

Table S2.11 Permitted waste types and quantities for Soil Washing Plant (AR9)	
Maximum quantity	350,000 tonnes/year with hazardous properties H4 – H7, H8, H10, H11, H13 and H14
Waste code	Description
10 01 19	wastes from gas cleaning other than those mentioned in 10 01 18
10 01 24	sands from fluidised beds
10 01 25	wastes from fuel storage and preparation of coal-fired power plants
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 02 02	unprocessed slag
10 02 07*	solid wastes from gas treatment containing dangerous substances
10 02 08	solid waste from gas treatment other than those mentioned in 10 02 07
10 02 10	mill scales
10 02 11*	waste from cooling water treatment containing oil
10 02 12	waste from cooling water treatment other than those mentioned in 10 02 11
10 03	wastes from aluminium thermal metallurgy
10 03 04*	primary production slags
10 03 19*	flue-gas dust containing dangerous substances
10 03 20	flue-gas dust other than those mentioned in 10 03 19
10 03 21*	other particulates and dust (including ball-mill dust) containing dangerous substances
10 03 22	other particulates and dust (including ball-mill dust) other than those mentioned in 10 03 21
10 03 23*	solid wastes from gas treatment containing dangerous substances
10 03 24	solid waste from gas treatment other than those mentioned in 10 03 23
10 03 27*	waste from cooling water treatment containing oil
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 01*	slags from primary and secondary production
10 04 04*	flue-gas dust
10 04 05*	other particulates and dust
10 04 06*	solid wastes from gas treatment
10 04 09*	waste from cooling water treatment containing oil
10 04 10	waste from cooling water treatment other than those mentioned in 10 05 08
10 05	wastes from zinc thermal metallurgy
10 05 01	slags from primary and secondary production
10 05 03*	flue-gas dust
10 05 04	other oarticulates and dust
10 05 05*	solid waste from gas treatment
10 05 08*	wastes from cooling water treatment containing oil
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 01	slags from primary and secondary production
10 06 03*	flue-gas dust
10 06 04	other particulates and dust
10 06 06*	solid waste from gas treatment
10 06 09*	waste from cooling water treatment containing oil
10 06 10	waste from cooling water treatment other than those mentioned in 10 06 09
10 07	wastes from silver, gold and platinum thermal metallurgy

Table S2.11 Permitted waste types and quantities for Soil Washing Plant (AR9)	
Maximum quantity	350,000 tonnes/year with hazardous properties H4 – H7, H8, H10, H11, H13 and H14
Waste code	Description
10 07 01	slags from primary and secondary production
10 07 03	solid waste from gas treatment
10 07 04	other particulates and dust
10 07 07*	waste from cooling water treatment containing oil
10 07 08	waste from cooling water treatment other than those mentioned in 10 07 07
10 08	wastes from other non-ferrous thermal metallurgy
10 08 04	particulates and dust
10 08 15*	flue-gas dust containing dangerous substances
10 08 16	flue-gas dust other than those mentioned in 10 08 15
10 08 19*	waste from cooling water treatment containing oil
10 08 20	waste from cooling water treatment other than those mentioned in 10 08 19
10 09	wastes from casting of ferrous pieces
10 09 03	furnace slag
10 09 09*	flue-gas dust containing dangerous substances
10 09 10	flue-gas dust other than those mentioned in 10 09 09
10 09 11*	other particulates containing dangerous substances
10 09 12	other particulates other than those mentioned in 10 09 11
10 10	wastes from casting of non-ferrous pieces
10 10 03	furnace slag
10 10 09*	flue-gas dust containing dangerous substances
10 10 10	flue-gas dust other than those mentioned in 10 09 09
10 10 11*	other particulates containing dangerous substances
10 10 12	other particulates other than those mentioned in 10 09 11
10 11	wastes from manufacture of glass and glass products
10 11 05	particulates and dust
10 11 15*	solid wastes from flue gas treatment containing dangerous substances
10 11 16	solid wastes from gas treatment other than those mentioned in 10 11 15
10 12	wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 03	particulates and dust
10 12 09*	solid wastes from gas treatment containing dangerous substances
10 12 10	solid wastes from gas treatment other than those mentioned in 10 12 09
10 13	wastes from manufacture of cement, lime and plaster and articles and products made from them
10 13 04	waste from calcination and hydration of lime
10 13 06	particulates and dust (except 10 13 12 and 10 13 13)
10 13 12*	solid waste from gas treatment containing dangerous substances
10 13 13	solid waste from gas treatment other than those mentioned in 10 13 12
11 05	wastes from hot galvanising processes
11 05 03*	solid wastes from gas treatment
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 16*	waste blasting material containing dangerous substances
12 01 17	waste blasting material other than those mentioned in 12 01 16

Table S2.11 Permitted waste types and quantities for Soil Washing Plant (AR9)	
Maximum quantity	350,000 tonnes/year with hazardous properties H4 – H7, H8, H10, H11, H13 and H14
Waste code	Description
15 02	absorbents, filter materials, wiping cloths, protective clothing contaminated by dangerous substances
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified) wiping cloths, protective clothing contaminated by dangerous substances
15 02 03	absorbents, filter materials, wiping cloths, protective clothing other than those mentioned in 15 02 02
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 01	concrete, bricks, tiles and ceramics
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 06*	mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances
17 01 07	mixtures of, or separate fractions of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 03*	soil and stones containing dangerous substances
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 05*	dredging spoil containing dangerous substances
17 05 06	dredging spoil other than those mentioned in 17 05 05
17 05 07*	track ballast containing dangerous substances
17 05 08	track ballast other than those mentioned in 17 05 07
17 09	other construction and demolition wastes
17 09 03*	other construction and demolition wastes (including mixed wastes) containing dangerous substances
17 09 04	other construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02, 17 09 03
19	Wastes from waste management facilities, off site waste water treatment plants and the preparation of water intended for the human consumption and water for industrial use.
19 01	wastes from incineration or pyrolysis of waste
19 01 07*	solid wastes from gas treatment
19 01 11*	bottom ash and slag containing dangerous substances
19 01 12	bottom ash and slag other than those mentioned in 19 01 11
19 01 13*	fly ash containing dangerous substances
19 01 14	fly ash other than those mentioned in 19 01 13
19 01 15	boiler dust containing dangerous substances
19 01 16	boiler dust other than those mentioned in 19 01 15
19 01 17*	pyrolysis wastes containing dangerous substances
19 01 18	pyrolysis wastes other than those mentioned in 19 01 17
19 01 19	sands from fluidised beds
19 03	stabilised/solidified wastes
19 03 04*	waste marked as hazardous, partly stabilised
19 03 05	stabilised wastes other than those mentioned in 19 03 04
19 04	vitrified waste and wastes from vitrification
19 04 01	vetrified waste

Table S2.11 Permitted waste types and quantities for Soil Washing Plant (AR9)	
Maximum quantity	350,000 tonnes/year with hazardous properties H4 – H7, H8, H10, H11, H13 and H14
Waste code	Description
19 04 02*	fly ash and other flue-gas treatment wastes
19 04 03*	non-vitrified solid phase
19 08	wastes from waste water treatment plants not otherwise specified
19 08 02	waste from desanding
19 08 06*	saturated or spent ion exchange resins
19 09	wastes from preparation of water intended for human consumption or water for industrial use
19 09 05	saturated or spent ion exchange resins
19 11	wastes from oil regeneration
19 11 07*	wastes from flue-gas cleaning
19 12	wastes from the mechanical treatment of waste (e.g. sorting, crushing, compacting, pelletising) not otherwise specified
19 12 11*	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of waste other than those mentioned in 19 12 11
19 13	wastes from soil and groundwater remediation
19 13 01*	solid wastes from soil remediation containing dangerous substances
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 03*	sludges from soil remediation containing dangerous substances
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
19 13 05*	sludges from groundwater remediation containing dangerous substances
19 13 06	sludges from groundwater remediation other than those mentioned in 19 13 05
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 02	garden and park wastes (including cemetery waste)
20 02 02	soil and stones
20 03	other municipal wastes
20 03 03	street-cleaning residues
20 03 06	waste from sewage cleaning

Table S2.11A - Limitations for Soil washing plant	
Specifications / Limitations (unless otherwise agreed in writing with the Environment Agency)	
Acceptable physical form of the waste	Solid waste and liquid only.
Acceptable waste hazard properties	H4, H5, H6, H7, H8, H10, H11, H13, H14 only.
Excluded wastes	Non soil based wastes, highly odorous wastes
Total Petroleum Hydrocarbons (TPH)	25000 mg/kg max.
Poly aromatic hydrocarbons (PAH)	2000 mg/kg max.
Benzene, Toluene, Ethyl Benzene, Xylenes (BTEX)	1000 mg/kg max.
Heavy metals	2000 mg/kg for each individual metal.

Table S2.11A - Limitations for Soil washing plant	
Specifications / Limitations (unless otherwise agreed in writing with the Environment Agency)	
Ammonia and amine concentrations	<300 ppm
Formaldehyde	<10 ppm
PCB's	<50 mg/m ³

Table S2.12 - Permitted waste types and quantities for Waste Stabilisation Plant (AR10)	
Maximum quantity	200,000 tonnes/year with hazardous properties H4 – H8, H10, H11, H13 and H14.
Waste code	Description
01	Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals
01 03	wastes from physical and chemical processing of metalliferous minerals
01 03 05*	other tailings containing dangerous substances
01 03 06	tailings other than those mentioned in 01 03 04 and 01 03 05
01 03 07*	other wastes containing dangerous 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 dangerous substances 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 05	drilling muds and other drilling wastes
01 05 04	freshwater drilling muds and wastes
01 05 05*	oil-containing drilling muds
01 05 06*	drilling muds and other drilling wastes containing dangerous substances
01 05 07	barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
01 05 08	chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
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 01 07	wastes from forestry
02 01 08*	agrochemical waste containing dangerous substances
02 01 09	agrochemical waste other than those mentioned in 02 01 08
02 04	wastes from sugar processing
02 04 02	off-specification calcium carbonate
03	Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard
03 01	wastes from wood processing and the production of panels and furniture
03 01 04*	sawdust, shavings, cuttings, wood, particle board and veneer containing dangerous substances
03 02	wastes from wood preservation

Table S2.12 - Permitted waste types and quantities for Waste Stabilisation Plant (AR10)	
Maximum quantity	200,000 tonnes/year with hazardous properties H4 – H8, H10, H11, H13 and H14.
Waste code	Description
03 02 01*	non-halogenated organic wood preservatives
03 02 02*	organochlorinated wood preservatives
03 02 03*	organometallic wood preservatives
03 02 04*	inorganic wood preservatives
03 02 05*	other wood preservatives containing dangerous substances
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 04	tanning liquor containing chromium
04 01 05	tanning liquor free of chromium
04 01 06	sludges, in particular from on-site effluent treatment containing chromium
04 01 07	sludges, in particular from on-site effluent treatment free of chromium
04 02	wastes from the textile industry
04 02 09	wastes from composite materials (impregnated textile, elastomer, plastomer)
04 02 10	organic matter from natural products (e.g. grease, wax)
04 02 15	wastes from finishing other than those mentioned in 04 02 14
04 02 16*	dye stuffs and pigments containing dangerous substances
04 02 17	dye stuffs and pigments other than those mentioned in 04 02 16
04 02 19*	sludges from on-site effluent treatment containing dangerous substances
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 02*	desalter sludges
05 01 03*	tank bottom sludges
05 01 04*	acid alkyl sludges
05 01 06*	oily sludges from maintenance operations of the plant or equipment
05 01 09*	sludges from on-site effluent treatment containing dangerous substances
05 01 10	sludges from on-site effluent treatment other than those mentioned in 050109
05 01 11*	wastes from cleaning of fuels with bases
05 01 13	boiler feedwater sludges
05 01 14	wastes from cooling columns
05 01 15*	spent filter clays
05 01 16	sulphur-containing wastes from petroleum desulphurisation
05 06	wastes from the pyrolytic treatment of coal
05 06 04	waste from cooling columns
05 07	wastes from natural gas purification and transportation

Table S2.12 - Permitted waste types and quantities for Waste Stabilisation Plant (AR10)	
Maximum quantity	200,000 tonnes/year with hazardous properties H4 – H8, H10, H11, H13 and H14.
Waste code	Description
05 07 01*	wastes containing mercury
05 07 02	wastes containing sulphur
06	Wastes from inorganic chemical processes
06 03	wastes from the MFSU of salts and their solutions and metallic oxides
06 03 13*	solid salts and solutions containing heavy metals
06 03 14	solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13
06 03 15*	metallic oxides containing heavy metals
06 03 16	metallic oxides other than those mentioned in 06 03 15
06 04	metal containing waste other than those mentioned in 06 03
06 04 03*	waste containing arsenic
06 04 04*	waste containing mercury
06 04 05*	waste containing other heavy metals
06 05	sludges from on site effluent treatment
06 05 02*	sludges from on site effluent treatment containing dangerous substances
06 05 03	sludges from on site effluent treatment other than those mentioned in 06 05 02
06 06	wastes from the MFSU of sulphur chemicals, sulphur chemical processes and desulphurisation processes
06 06 03	wastes containing sulphides other than those mentioned in 06 06 02
06 07	wastes from the MFSU of halogens and halogen chemical processes
06 07 02*	activated carbon from chlorine production
06 07 03*	barium sulphate sludge containing mercury
06 07 04*	solutions and acids, e.g. contact acid
06 08	wastes from the MFSU of silicon and silicon derivatives
06 08 02*	wastes containing dangerous silicones
06 09	waste from the MSFU of phosphorous chemicals and phosphorous chemical processes
06 09 03*	calcium-based reaction wastes containing or contaminated with dangerous substances
06 09 04	calcium-based reaction wastes other than those mentioned in 06 09 03
06 10	wastes from the MFSU of nitrogen chemicals, nitrogen chemical processes and fertiliser manufacture
06 10 02*	wastes containing dangerous substances
06 11	wastes from the manufacture of inorganic pigments and opacifiers
06 11 01	calcium based reaction wastes from titanium dioxide production
06 13	wastes from inorganic chemical processes not otherwise specified
06 13 01*	inorganic plant protection products, wood-preserving agents and other biocides
06 13 02*	spent activated carbon
06 13 05*	Soot
07	Wastes from organic chemical processes
07 01	wastes from the MFSU of basic organic chemicals

Table S2.12 - Permitted waste types and quantities for Waste Stabilisation Plant (AR10)	
Maximum quantity	200,000 tonnes/year with hazardous properties H4 – H8, H10, H11, H13 and H14.
Waste code	Description
07 01 09*	halogenated filter cakes and spent absorbents
07 01 10*	other filter cakes and spent absorbents
07 01 11*	sludges from on-site effluent treatment containing dangerous substances
07 01 12	sludges from on site effluent treatment other than those mentioned 07 01 11
07 02	wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 09*	halogenated filter cakes and spent absorbents
07 02 10*	other filter cakes and spent absorbents
07 02 11*	sludges from on-site effluent treatment containing dangerous substances
07 02 12	sludges from on-site effluent treatment other than those mentioned in 07 02 11
07 02 14*	waste from additives containing dangerous substances
07 02 15	waste from additives other than those mentioned in 07 02 14
07 02 16*	waste containing silicones
07 03	wastes from the MFSU of organic dyes and pigments (except 06 11)
07 03 09*	halogenated filter cakes and spent absorbents
07 03 10*	other filter cakes and spent absorbents
07 03 11*	sludges from on-site effluent treatment containing dangerous substances
07 03 12	sludges from on-site effluent treatment other than those mentioned in 07 03 11
07 04	wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09) wood preserving agents (except 03 02) and other biocides
07 04 09*	halogenated filter cakes and spent absorbents
07 04 10*	other filter cakes and spent absorbents
07 04 11*	sludges from on-site effluent treatment containing dangerous substances
07 04 12	sludges from on-site effluent treatment other than those mentioned in 07 04 11
07 04 13*	solid wastes containing dangerous substances
07 05	wastes from the MFSU of pharmaceuticals
07 05 09*	halogenated filter cakes and spent absorbents
07 05 10*	other filter cakes and spent absorbents
07 05 11*	sludges from on-site effluent treatment containing dangerous substances
07 05 12	sludges from on-site effluent treatment other than those mentioned in 07 05 11
07 05 13*	solid wastes containing dangerous substances
07 05 14	solid wastes other than those mentioned in 07 05 13
07 06	wastes from the of fats, grease, soaps, detergents, disinfectants and cosmetics manufacture supply and use
07 06 09*	halogenated filter cakes and spent absorbents
07 06 10*	other filter cakes and spent absorbents
07 06 11*	sludges from on-site effluent treatment containing dangerous substances
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

Table S2.12 - Permitted waste types and quantities for Waste Stabilisation Plant (AR10)	
Maximum quantity	200,000 tonnes/year with hazardous properties H4 – H8, H10, H11, H13 and H14.
Waste code	Description
07 07 09*	halogenated filter cakes and spent absorbents
07 07 10*	other filter cakes and spent absorbents
07 07 11*	sludges from on-site effluent treatment containing dangerous substances
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 13*	sludges from paint or varnish containing organic solvents or other dangerous substances
08 01 14	sludges from paint and varnish other than those mentioned in 08 01 13
08 01 15*	aqueous sludges containing paint and varnish containing organic solvents or other dangerous substances
08 01 16	aqueous sludges containing paint and varnish other than those mentioned in 08 01 15
08 01 17*	waste from paint or varnish removal containing organic solvents or other dangerous substances
08 01 18	wastes from paint or varnish removal other than those mentioned in 08 01 17
08 01 19*	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances
08 01 20	aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
08 01 21*	waste paint or varnish remover
08 02	wastes from MFSU of other coatings (including ceramic materials)
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 13	waste ink other than those mentioned in 08 03 12
08 03 14*	ink sludges containing dangerous substances
08 03 15	ink sludges other than those mentioned in 08 03 14
08 03 17*	waste printing toner containing dangerous substances
08 03 18	waste printing toner other than those mentioned in 08 03 17
08 03 19*	disperse oil
08 04	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 10	adhesives and sealants other than those mentioned in 08 04 09
08 04 11*	adhesive and sealant sludges containing organic solvents or other dangerous substances
08 04 12	adhesive and sealant sludges other than those mentioned in 08 04 11
10	Wastes from thermal processes
10 01	wastes from power stations and other combustion plants (except 19)
10 01 01	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
10 01 02	coal fly ash
10 01 03	fly ash from peat and untreated wood
10 01 04*	oil fly ash and boiler dust
10 01 05	calcium-based reaction wastes from flue-gas desulphurisation in solid form

Table S2.12 - Permitted waste types and quantities for Waste Stabilisation Plant (AR10)	
Maximum quantity	200,000 tonnes/year with hazardous properties H4 – H8, H10, H11, H13 and H14.
Waste code	Description
10 01 07	calcium-based reaction wastes from flue-gas desulphurisation in sludge form
10 01 13*	fly ash from emulsified hydrocarbons used as fuel
10 01 14*	bottom ash, slag and boiler dust from co-incineration containing dangerous substances
10 01 15	bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
10 01 16*	fly ash from co incineration containing dangerous substances
10 01 17	fly ash from co-incineration other than those mentioned in 10 01 16
10 01 18*	wastes from gas cleaning containing dangerous substances
10 01 19	waste from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
10 01 20*	sludges from on-site effluent treatment containing dangerous substances
10 01 21	sludges from on-site effluent treatment other than those mentioned in 10 01 20
10 01 22*	aqueous sludges from boiler cleansing containing dangerous substances
10 01 23	aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
10 01 24	sands from fluidised beds
10 01 25	waste from fuel storage and preparation of coal-fired power plants
10 01 26	waste from cooling-water treatment
10 02	waste from the iron and steel industry
10 02 01	waste from the processing of slag
10 02 02	unprocessed slag
10 02 07*	solid waste from gas treatment containing dangerous substances
10 02 08	solid waste from gas treatment other than those mentioned in 10 02 07
10 02 10	mill scales
10 02 11*	waste from cooling water treatment containing oil
10 02 12	waste from cooling water treatment other than those mentioned in 10 02 11
10 02 13*	sludges and filter cakes from gas treatment containing dangerous substances
10 02 14	sludges and filter cakes from gas treatment other than those mentioned in 10 02 13
10 02 15	other sludges and filter cakes
10 03	wastes from aluminium thermal metallurgy
10 03 04*	primary production slags
10 03 05	waste alumina
10 03 08*	salt slags from secondary production
10 03 09*	black drosses from secondary production
10 03 16	skimmings other than those mentioned in 10 03 15
10 03 17*	tar-containing wastes from anode manufacture
10 03 18	carbon-containing waste from anode manufacture other than those mentioned in 10 03 17
10 03 19*	flue-gas dust containing dangerous substances
10 03 20	flue-gas dust other than those mentioned in 10 03 19
10 03 21*	other particulates and dust (including ball-mill dust) containing dangerous substances
10 03 22	other particulates and dust (including ball-mill dust) other than those mentioned in 10 03 21

Table S2.12 - Permitted waste types and quantities for Waste Stabilisation Plant (AR10)	
Maximum quantity	200,000 tonnes/year with hazardous properties H4 – H8, H10, H11, H13 and H14.
Waste code	Description
10 03 23*	solid wastes from gas treatment containing dangerous substances
10 03 24	solid waste from gas treatment other than those mentioned in 10 03 23
10 03 25*	sludges and filter cakes from gas treatment containing dangerous substances
10 03 26	sludges and filter cakes from gas treatment other than those mentioned in 10 03 25
10 03 27*	waste from cooling water treatment containing oil
10 03 28	wastes from cooling-water treatment other than those mentioned in 10 03 27
10 03 29*	wastes from treatment of salt slags and black drosses containing dangerous substances
10 03 30	wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29
10 04	wastes from lead thermal metallurgy
10 04 01*	slags from primary and secondary production
10 04 03*	calcium arsenate
10 04 04*	flue-gas dust
10 04 05*	other particulates and dust
10 04 06*	solid wastes from gas treatment
10 04 07*	sludges and filter cakes from gas treatment
10 04 09*	waste from cooling water treatment containing oil
10 04 10	waste from cooling water treatment other than those mentioned in 10 05 08
10 05	wastes from zinc thermal metallurgy
10 05 01	slags from primary and secondary production
10 05 03*	flue-gas dust
10 05 04	other particulates and dust
10 05 05*	solid waste from gas treatment
10 05 06*	sludges and filter cakes from gas treatment
10 05 08*	wastes from cooling water treatment containing oil
10 05 09	wastes from cooling water treatment other than those mentioned in 10 05 08
10 05 11	dross and skimmings other than those mentioned in 10 05 10
10 06	wastes from copper thermal metallurgy
10 06 01	slags from primary and secondary production
10 06 02	dross and skimmings from primary and secondary production
10 06 03*	flue-gas dust
10 06 04	other particulates and dust
10 06 06*	solid waste from gas treatment
10 06 07*	sludges and filter cakes from gas treatment
10 06 09*	waste from cooling water treatment containing oil
10 06 10	waste from cooling water treatment other than those mentioned in 10 06 09
10 07	wastes from silver, gold and platinum thermal metallurgy
10 07 01	slags from primary and secondary production
10 07 02	dross and skimmings from primary and secondary production

Table S2.12 - Permitted waste types and quantities for Waste Stabilisation Plant (AR10)	
Maximum quantity	200,000 tonnes/year with hazardous properties H4 – H8, H10, H11, H13 and H14.
Waste code	Description
10 07 03	solid waste from gas treatment
10 07 04	other particulates and dust
10 07 05	sludges and filter cakes from gas treatment
10 07 07*	waste from cooling water treatment containing oil
10 07 08	waste from cooling water treatment other than those mentioned in 10 07 07
10 08	waste from other non-ferrous thermal metallurgy
10 08 04	particulates and dust
10 08 08*	salt slag from primary and secondary production
10 08 09	other slags
10 08 11	dross and skimmings other than those mentioned in 10 08 10
10 08 12*	tar containing wastes from anode manufacture
10 08 13	carbon containing wastes from anode manufacture other than those mentioned in 10 08 12
10 08 14	anode scrap
10 08 15*	flue-gas dust containing dangerous substances
10 08 16	flue-gas dust other than those mentioned in 10 08 15
10 08 17*	sludges and filter cakes from flue gas treatment containing dangerous substances
10 08 18	sludges and filter cakes from flue gas treatment other than those mentioned in 10 08 17
10 08 19*	waste from cooling water treatment containing oil
10 08 20	waste from cooling water treatment other than those mentioned in 10 08 19
10 09	wastes from casting of ferrous pieces
10 09 03	furnace slag
10 09 05*	casting cores and moulds which have not undergone pouring containing dangerous substances
10 09 06	casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05
10 09 07*	casting cores and moulds which have undergone pouring containing dangerous substances
10 09 08	casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07
10 09 09*	flue-gas dust containing dangerous substances
10 09 10	flue-gas dust other than those mentioned in 10 09 09
10 09 11*	other particulates containing dangerous substances
10 09 12	other particulates other than those mentioned in 10 09 11
10 09 13*	waste binders containing dangerous substances
10 09 14	waste binders other than those mentioned in 10 09 13
10 09 15*	waste-crack indicating agent containing dangerous substances
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 03	furnace slag

Table S2.12 - Permitted waste types and quantities for Waste Stabilisation Plant (AR10)	
Maximum quantity	200,000 tonnes/year with hazardous properties H4 – H8, H10, H11, H13 and H14.
Waste code	Description
10 10 05*	casting cores and moulds which have not undergone pouring, containing dangerous substances
10 10 06	casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05
10 10 07*	casting cores and moulds which have undergone pouring, containing dangerous substances
10 10 08	casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07
10 10 09*	flue-gas dust containing dangerous substances
10 10 10	flue-gas dust other than those mentioned in 10 10 09
10 10 11*	other particulates containing dangerous substances
10 10 12	other particulates other than those mentioned in 10 10 11
10 10 13*	waste binders containing dangerous substances
10 10 14	waste binders other than those mentioned in 10 10 13
10 10 15*	waste crack-indicating agent containing dangerous substances
10 10 16	waste crack-indicating agent other than those mentioned in 10 10 15
10 11	wastes from the manufacture of glass and glass products
10 11 09*	waste preparation mixture before thermal processing containing dangerous substances
10 11 10	waste preparation mixture before thermal processing, other than those mentioned in 10 11 09
10 11 11*	waste glass in small particles and glass powder containing heavy metals (for example from cathode ray tubes)
10 11 12	waste glass other than those mentioned in 10 11 11
10 11 13*	glass polishing and grinding sludge containing dangerous substances
10 11 14	glass polishing and grinding sludge other than those mentioned in 10 11 13
10 11 15*	solid wastes from flue gas treatment containing dangerous substances
10 11 16	solid wastes from gas treatment other than those mentioned in 10 11 15
10 11 17*	sludges and filter cakes from flue-gas treatment containing dangerous substances
10 11 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17
10 11 19*	solid wastes from on-site effluent treatment containing dangerous substances
10 11 20	solid wastes from on-site effluent treatment other than those mentioned in 10 11 19
10 12	wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 05	sludges and filter cakes from gas treatment
10 12 09*	solid wastes from gas treatment containing dangerous substances
10 12 10	solid wastes from gas treatment other than those mentioned in 10 12 09
10 12 11*	wastes from glazing containing heavy metals
10 12 12	waste 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

Table S2.12 - Permitted waste types and quantities for Waste Stabilisation Plant (AR10)	
Maximum quantity	200,000 tonnes/year with hazardous properties H4 – H8, H10, H11, H13 and H14.
Waste code	Description
10 13 04	waste from calcination and hydration of lime
10 13 07	sludges and filter cakes from gas treatment
10 13 11	waste from cement based composite materials other than those mentioned in 10 13 09 and 10 13 10
10 13 12*	solid waste from gas treatment containing dangerous substances
10 13 13	solid waste from gas treatment other than those mentioned in 10 13 12
10 13 14	waste concrete and concrete sludge
10 14	waste from crematoria
10 14 01*	waste from gas cleaning containing mercury
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, phosphating, alkaline degreasing, anodising)
11 01 08*	phosphatising sludges
11 01 09*	sludges and filter cakes containing dangerous substances
11 01 10	sludges and filter cakes other than those mentioned in 11 01 09
11 01 15*	eluate and sludges from membrane systems or ion exchange systems containing dangerous substances
11 01 16*	saturated or spent ion exchange resins
11 01 98*	other wastes containing dangerous substances
11 02	wastes from non-ferrous hydrometallurgical processes
11 02 02*	sludges from zinc hydrometallurgy (including jarosite, goethite)
11 02 03	wastes from the production of anodes for aqueous electrolytical processes
11 02 05*	wastes from copper hydrometallurgical processes containing dangerous substances
11 02 06	wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
11 02 07*	other wastes containing dangerous substances
11 03	sludges and solids from tempering processes
11 03 02*	other wastes
11 05	wastes from hot galvanising processes
11 05 01	hard zinc
11 05 02	zinc ash
11 05 03*	solid wastes from gas treatment
11 05 04*	spent flux
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 12*	spent waxes and fats
12 01 13	welding wastes
12 01 14*	machining sludges containing dangerous substances

Table S2.12 - Permitted waste types and quantities for Waste Stabilisation Plant (AR10)	
Maximum quantity	200,000 tonnes/year with hazardous properties H4 – H8, H10, H11, H13 and H14.
Waste code	Description
12 01 15	machining sludges other than those mentioned in 12 01 14
12 01 16*	waste blasting material containing dangerous substances
12 01 17	waste blasting material other than those mentioned in 12 01 16
12 01 18*	metal sludge (grinding, honing and lapping sludge) containing oil
12 01 19*	readily biodegradable machining oil
12 01 20*	spent grinding bodies and grinding materials containing dangerous substances
12 01 21	spent grinding bodies and grinding materials other than those mentioned in 12 01 20
12 03	wastes from water and steam degreasing processes (except 11)
12 03 02*	steam degreasing wastes
13	Oil wastes and wastes of liquid fuels
13 05	oil/water separator contents
13 05 01*	solids from grit chambers and oil water separators
13 05 02*	sludges from oil water separators
13 05 03*	interceptor sludges
13 05 08*	mixtures of waste from grit chambers and oil/water separators
13 08	oil wastes not otherwise specified
13 08 01*	desalter sludges or emulsions
14	Waste organic solvents, refrigerants and propellants (except 07 and 08)
14 06	waste organic solvents, refrigerants and foam/aerosol propellants
14 06 04*	sludges or solid wastes containing halogenated solvents
15	Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified
15 01	packaging (including separately collected municipal packaging waste)
15 01 10*	packaging containing residues of, or contaminated by, dangerous substances
15 02	absorbents, filter materials, wiping cloths and protective clothing
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths and protective clothing contaminated by dangerous substances
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
16	Wastes not otherwise specified in the list
16 03	off-specification batches and unused products
16 03 03*	inorganic wastes containing dangerous substances
16 03 04	inorganic wastes other than those mentioned in 16 03 03
16 03 05*	organic wastes containing dangerous substances
16 03 06	organic wastes other than those mentioned in 16 03 05
16 05	gases in pressure containers and discarded chemicals
16 05 06*	Laboratory chemicals consisting of or containing dangerous substances including measures of laboratory chemicals
16 05 07*	discarded inorganic chemicals consisting of or containing dangerous substances
16 05 08*	discarded organic chemicals consisting of or containing dangerous substances

Table S2.12 - Permitted waste types and quantities for Waste Stabilisation Plant (AR10)	
Maximum quantity	200,000 tonnes/year with hazardous properties H4 – H8, H10, H11, H13 and H14.
Waste code	Description
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08
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 dangerous substances
16 08	spent catalysts
16 08 02*	spent catalysts containing dangerous transition metals or dangerous transition metal compounds
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 08 05*	spent catalysts containing phosphoric acid
16 08 07*	spent catalysts contaminated with dangerous substances
16 10	aqueous liquid wastes destined for off-site treatment
16 10 03*	aqueous concentrates containing dangerous substances
16 10 04	aqueous concentrates other than those mentioned in 16 10 03
16 11	Waste linings and refractories
16 11 01*	carbon-based linings and refractories from metallurgical processes containing dangerous substances
16 11 02	carbon-based linings and refractories from metallurgical processes others than those mentioned in 16 11 01
16 11 03*	other linings and refractories from metallurgical processes containing dangerous substances
16 11 04	other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
16 11 05*	linings and refractories from non-metallurgical processes containing dangerous substances
16 11 06	linings and refractories from non-metallurgical processes others than those mentioned in 16 11 05
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 01	concrete, bricks, tiles and ceramics
17 01 06*	mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 03	bituminous mixtures, coal tar and tarred products
17 03 01*	bituminous mixtures containing coal tar
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 03 03*	coal tar and tarred products
17 05	soil (including excavated soil from contaminated sites) stones and dredging spoil
17 05 03*	soil and stones containing dangerous substances
17 05 02	bituminous mixtures other than those mentioned in 17 05 01
17 05 05*	dredging spoil containing dangerous substances

Table S2.12 - Permitted waste types and quantities for Waste Stabilisation Plant (AR10)	
Maximum quantity	200,000 tonnes/year with hazardous properties H4 – H8, H10, H11, H13 and H14.
Waste code	Description
17 05 06	dredging spoil other than those mentioned in 17 05 05
17 05 07*	track ballast containing dangerous substances
17 05 08	track ballast other than those mentioned in 17 05 07
17 06	insulation materials and asbestos-containing construction materials
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03
17 08	gypsum-based construction material
17 08 01*	gypsum-based construction materials contaminated with dangerous substances
17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01
17 09	other construction and demolition wastes
17 09 01*	construction and demolition wastes containing mercury
17 09 03*	other construction and demolition wastes (including mixed wastes) containing dangerous substances
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
18	Wastes from human or animal health care and/or related research (except kitchen and restaurant wastes not arising from immediate health care)
18 01	wastes from natal care, diagnosis, treatment or prevention of disease in humans
18 01 06*	chemicals consisting of or containing dangerous substances
18 01 07	chemicals other than those mentioned in 18 01 06
18 01 10*	amalgam waste from dental care
18 02	wastes from research, diagnosis, treatment or prevention of disease involving animals
18 02 05*	chemicals consisting of or containing dangerous substances
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 02	ferrous materials removed from bottom ash
19 01 05*	filter cake from gas treatment
19 01 07*	solid wastes from gas treatment
19 01 10*	spent activated carbon from flue gas treatment
19 01 11*	bottom ash and slag containing dangerous substances
19 01 12	bottom ash and slag other than those mentioned in 19 01 11
19 01 13*	fly ash containing dangerous substances
19 01 14	fly ash other than those mentioned in 19 01 13
19 01 15*	boiler dust containing dangerous substances
19 01 16	boiler dust other than those mentioned in 19 01 15
19 01 17*	pyrolysis wastes containing dangerous substances
19 01 18	pyrolysis wastes other than those mentioned in 19 01 17

Table S2.12 - Permitted waste types and quantities for Waste Stabilisation Plant (AR10)	
Maximum quantity	200,000 tonnes/year with hazardous properties H4 – H8, H10, H11, H13 and H14.
Waste code	Description
19 01 19	sands from fluidised beds
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 04*	premixed wastes composed of at least one hazardous waste
19 02 05*	sludges from physico/chemical treatment containing dangerous substances
19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05
19 02 11*	other wastes containing dangerous substances
19 03	stabilised/solidified wastes
19 03 04*	waste marked as hazardous, partly stabilised
19 03 05	stabilised wastes other than those mentioned in 19 03 04
19 03 06*	wastes marked as hazardous, solidified
19 03 07	solidified wastes other than those mentioned in 19 03 06
19 04	vitrified waste and wastes from vitrification
19 04 02*	fly ash and other flue-gas treatment wastes
19 04 03*	non-vitrified solid phase
19 08	wastes from waste water treatment plants not otherwise specified
19 08 01	Screenings
19 08 02	waste from desanding
19 08 06*	saturated or spent ion exchange resins
19 08 07*	solutions and sludges from regeneration of ion exchangers
19 08 08*	membrane system waste containing heavy metals
19 08 10*	grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
19 08 11*	sludges containing dangerous substances from biological treatment of industrial waste water
19 08 12	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
19 08 13*	sludges containing dangerous substances from other treatment of industrial waste water
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 04	spent activated carbon
19 09 05	saturated or spent ion exchange resins
19 09 06	solutions and sludges from regeneration of ion exchangers
19 10	wastes from shredding of metal containing wastes
19 10 03*	fluff-light fraction and dust containing dangerous substances
19 10 04	fluff-light fraction and dust other than those mentioned in 19 10 03

Table S2.12 - Permitted waste types and quantities for Waste Stabilisation Plant (AR10)	
Maximum quantity	200,000 tonnes/year with hazardous properties H4 – H8, H10, H11, H13 and H14.
Waste code	Description
19 10 05*	other fractions containing dangerous substances
19 10 06	other fractions other than those mentioned in 19 10 05
19 11	wastes from oil regeneration
19 11 01*	spent filter clays
19 11 02*	acid tars
19 11 05*	sludges from on-site effluent treatment containing dangerous substances
19 11 06	sludges from on-site effluent treatment other than those mentioned in 19 11 05
19 11 07*	wastes from flue-gas cleaning
19 12	wastes from the mechanical treatment of waste (e.g. sorting, crushing, compacting, pelletising) not otherwise specified
19 12 11*	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
19 13	wastes from soil and groundwater remediation
19 13 01*	solid wastes from soil remediation containing dangerous substances
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 03*	sludges from soil remediation containing dangerous substances
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
19 13 05*	sludges from groundwater remediation containing dangerous substances
19 13 06	sludges from groundwater remediation other than those mentioned in 19 13 05
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 27*	paint, inks, adhesives and resins containing dangerous substances
20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27
20 01 29*	detergents containing dangerous substances
20 01 30	detergents other than those mentioned in 20 01 29
20 02	garden and park wastes (including cemetery waste)
20 02 02	soil and stones
20 03	other municipal wastes
20 03 03	street-cleaning residues
20 03 04	septic tank sludge
20 03 06	waste from sewage cleaning

Table S2.12A - Limitations for Waste Stabilisation Plant		
Specifications / Limitations (unless otherwise agreed in writing with the Environment Agency)		Limits
Acceptable physical form of the waste	Solid and sludge waste.	The sludge waste shall be able to be stored on hardstanding so that the sludges can be stored in a controlled manner.
	Liquid waste	Liquid waste shall be stored in suitable containment approved in writing by the Environment Agency
Acceptable waste hazard properties	H4, H5, H6, H7, H8, H10, H11, H13, H14 only.	
Excluded wastes	Flammable wastes H3	
Total Petroleum Hydrocarbons (TPH)	100,000 mg/kg max.	
Poly Aromatic Hydrocarbons (PAH)	5,000 mg/kg max.	
Benzene, Toluene, Ethyl Benzene, Xylenes (BTEX)	1000 mg/kg max.	
Heavy metals	10,000 mg/kg for each individual metal.	

Table S2.13 Permitted waste types and quantities for the Bioremediation area (AR11)	
Maximum quantity	100,000 tonnes/year with hazardous properties H3b, H7.
Waste code	Description
01	Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals
01 04	wastes from physical and chemical processing of non-metalliferous minerals
01 04 07*	wastes containing dangerous substances from physical and chemical processing of non-metalliferous minerals
01 04 09	waste sand and clays
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 05	soil (including excavated soil from contaminated sites) stones and dredging spoil
17 05 03*	soil and stones containing dangerous substances
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 05*	dredging spoil containing dangerous substances
17 05 06	dredging spoil other than those mentioned in 17 05 05
17 09	other construction and demolition wastes
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
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 02	wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
19 02 05*	sludges from physico/chemical treatment containing dangerous substances
19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05
19 03	stabilised/solidified wastes
19 03 04*	wastes marked as hazardous, partly (5) stabilised
19 03 05	stabilised wastes other than those mentioned in 19 03 04
19 08	wastes from waste water treatment plants not otherwise specified
19 08 11*	sludges containing dangerous substances from biological treatment of industrial waste water

Table S2.13 Permitted waste types and quantities for the Bioremediation area (AR11)	
Maximum quantity	100,000 tonnes/year with hazardous properties H3b, H7.
Waste code	Description
19 08 12	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
19 08 13*	sludges containing dangerous substances from other treatment of industrial waste water
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 12	wastes from the mechanical treatment of waste (e.g. sorting, crushing, compacting, pelletising) not otherwise specified
19 12 09	minerals (for example sand, stones)
19 12 11*	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances
19 13	wastes from soil and groundwater remediation
19 13 01*	solid wastes from soil remediation containing dangerous substances
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 03*	sludges from soil remediation containing dangerous substances
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
19 13 05*	sludges from groundwater remediation containing dangerous substances
19 13 06	sludges from groundwater remediation other than those mentioned in 19 13 05
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 02	garden and park wastes (including cemetery waste)
20 02 02	soil and stones

Table S2.13A - Limitations for Bioremediation area	
Specifications / Limitations (unless otherwise agreed in writing with the Environment Agency)	
Acceptable physical form of the waste	Solid waste only.
Acceptable waste hazard properties	H3b, H7 only.
Excluded wastes	Highly odorous wastes
Total Petroleum Hydrocarbons (TPH)	10,000 mg/kg max.
Poly Aromatic Hydrocarbons (PAH)	1000 mg/kg max.
Benzene, Toluene, Ethyl Benzene, Xylenes (BTEX)	1000 mg/kg max.
Heavy metals	1000 mg/kg for each individual metal.
Ammonia and amine concentrations	<300 ppm
Formaldehyde	<10 ppm
PCB's	<50 mg/m ³

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
ET1 and ET2	VOC H ₂ S	Aerobic digestion plant and waste storage	20 mg/m ³ (class A) 75mg/m ³ (class B as carbon) 5mg/m ³	Spot Sample	Quarterly	Permanent sampling access not required.
WTS1	Particulates	Building release point	No visible dust	None set	Daily visual monitoring	Permanent sampling access not required.
MRF1	Particulates	Building release point	No visible dust	None set	Daily visual monitoring	Permanent sampling access not required.

Table S3.1 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
ITD1	Particulates	Building release point	No visible dust	None set	Daily visual monitoring	Permanent sampling access to be installed as agreed with the Environment Agency.
ITD2	None set	Oxidiser flue	None set	None set	None set	M2 - 'Monitoring of stack emissions to air' (version 10: October 2013)
ITD3	None set	Process Heating	No visible dust	None set	Daily visual monitoring	-
WTP1 - Vents from reaction tank	VOC Ammonia HCl	Reaction tank	20mg/m ³ 2.5 mg/m ³ 0.8mg/m ³	None set	None set	Permanent sampling access not required.
WTP2 - Vents from reaction tank	VOC Ammonia HCl	Reaction tank	20mg/m ³ 2.5 mg/m ³ 0.8mg/m ³	None set	None set	Permanent sampling access not required.

Table S3.1 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
WTP3 - Sludge dewatering building	VOC	Abatement plant	20mg/ m ³	Hourly average	None set	Permanent sampling access not required.
	Ammonia		2.5 mg/m ³	Hourly average		
	HCl		0.8mg/m ³	Hourly average		
VWTP4 Vents from bulk storage tank	Particulates	Lime silo	No visible dust	-	Daily	Permanent sampling access not required.
GE1	Oxides of Nitrogen	Gas utilisation plant	500 mg/m ³	Hourly mean	Annually	M2 - 'Monitoring of stack emissions to air' or such other subsequent guidance as may be agreed in writing with the Environment Agency.
	CO		1400 mg/m ³			
	Total VOCs		1000 mg/m ³			
GF1 (Flare)	Oxides of Nitrogen	Landfill Gas Flares	150 mg/m ³	Hourly mean	Annually	
	CO		50 mg/m ³			
	Total VOCs		10 mg/m ³			
	Operational temperature	>1000°C	Hourly mean	Weekly while flare operational	BS EN 13649	
CHP1, CHP2 & PT1	Particulate matter	Waste Wood Plant and Plasma Plant	30 mg/m ³	½-hr average	Continuous measurement	BS EN 13284-2 ^[Note 5] ^[Note 7]

Table S3.1 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
CHP1, CHP2 & PT1	Particulate matter	Waste Wood Plant and Plasma Plant	10 mg/m ³	daily average	Continuous measurement	BS EN 13284-2 ^{[Note 5] [Note 7]}
CHP1, CHP2 & PT1	Total Organic Carbon (TOC)	Waste Wood Plant and Plasma Plant	20 mg/m ³	½-hr average	Continuous measurement	BS EN 12619 ^{[Note 5] [Note 7]}
CHP1, CHP2 & PT1	Total Organic Carbon (TOC)	Waste Wood Plant and Plasma Plant	10 mg/m ³	daily average	Continuous measurement	BS EN 12619 ^{[Note 5] [Note 7]}
CHP1, CHP2 & PT1	Hydrogen chloride	Waste Wood Plant and Plasma Plant	60 mg/m ³	½-hr average	Continuous measurement	MCERTS certified instruments ^{[Note 6] [Note 7]}
CHP1, CHP2 & PT1	Hydrogen chloride	Waste Wood Plant and Plasma Plant	10 mg/m ³	daily average	Continuous measurement	MCERTS certified instruments ^{[Note 6] [Note 7]}
CHP1, CHP2 & PT1	Hydrogen chloride	Waste Wood Plant and Plasma Plant	10 mg/m ³	periodic over minimum 1-hour period	Quarterly in first year. Then Bi-annually	BS EN 1911
CHP1, CHP2 & PT1	Hydrogen fluoride	Waste Wood Plant and Plasma Plant	4 mg/m ³	½-hr average	Continuous measurement	MCERTS certified instruments, if available ^{[Note 6] [Note 7]}

Table S3.1 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
CHP1, CHP2 & PT1	Hydrogen fluoride	Waste Wood Plant and Plasma Plant	1 mg/m ³	daily average	Continuous measurement	MCERTS certified instruments, if available ^[Note 6] ^[Note 7]
CHP1, CHP2 & PT1	Hydrogen fluoride	Waste Wood Plant and Plasma Plant	1 mg/m ³	periodic over minimum 1-hour period	Quarterly in first year. Then Bi-annually	USEPA Method 26/26A
CHP1, CHP2 & PT1	Carbon monoxide	Waste Wood Plant and Plasma Plant	150mg/m ³	95% of all 10-minute averages in any 24-hour period	Continuous measurement	ISO 12039 ^[Note 3] ^[Note 7]
CHP1, CHP2 & PT1	Carbon monoxide	Waste Wood Plant and Plasma Plant	50 mg/m ³	daily average	Continuous measurement	ISO 12039 ^[Note 3] ^[Note 7]
CHP1, CHP2 & PT1	Sulphur dioxide	Waste Wood Plant and Plasma Plant	200 mg/m ³	½-hr average	Continuous measurement	BS 6069-4.4 ^[Note 4] ^[Note 7]
CHP1, CHP2 & PT1	Sulphur dioxide	Waste Wood Plant and Plasma Plant	50 mg/m ³	daily average	Continuous measurement	BS 6069-4.4 ^[Note 4] ^[Note 7]
CHP1, CHP2 & PT1	Sulphur dioxide	Waste Wood Plant and Plasma Plant	50 mg/m ³	periodic over minimum 4 hour period, data to be reported as ½ hour averages	Quarterly in first year. Then Bi-annually	BS 6069-4.1

Table S3.1 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
CHP1, CHP2 & PT1	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂) ^[Note 8] (Plants > 6 t/hr and new plants)	Waste Wood Plant and Plasma Plant	400 mg/m ³	½-hr average	Continuous measurement	ISO 10849 ^[Note 4] ^[Note 7]
CHP1, CHP2 & PT1	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂) ^[Note 8] (Plants > 6 t/hr and new plants)	Waste Wood Plant and Plasma Plant	200 mg/m ³	daily average	Continuous measurement	ISO 10849 ^[Note 4] ^[Note 7]
CHP1, CHP2 & PT1	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂) ^[Note 8]	Waste Wood Plant and Plasma Plant	400 mg/m ³	daily average	Continuous measurement	ISO 10849 ^[Note 4] ^[Note 7]
CHP1, CHP2 & PT1	Cadmium & thallium and their compounds (total) ^[Note 1]	Waste Wood Plant and Plasma Plant	0.05 mg/m ³	periodic over minimum 30 minute, maximum 8 hour period	Quarterly in first year. Then Bi-annually	BS EN 14385
CHP1, CHP2 & PT1	Mercury and its compounds ^[Note 1]	Waste Wood Plant and Plasma Plant	0.05 mg/m ³	periodic over minimum 30 minute, maximum 8 hour period	Quarterly in first year. Then Bi-annually	BS EN 13211
CHP1, CHP2 & PT1	Sb, As, Pb, Cr, Co, Cu, Mn, Ni and V and their compounds (total) ^[Note 1]	Waste Wood Plant and Plasma Plant	0.5 mg/m ³	periodic over minimum 30 minute, maximum 8 hour period	Quarterly in first year. Then Bi-annually	BS EN 14385
CHP1, CHP2 & PT1	Dioxins / furans (I-TEQ)	Waste Wood Plant and Plasma Plant	0.1 ng/m ³	periodic over minimum 6 hours, maximum 8 hour period ^[Note 2]	Quarterly in first year. Then Bi-annually	BS EN 1948

Table S3.1 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
CHP1, CHP2 & PT1	Ammonia	Waste Wood Plant and Plasma Plant	-	As per Pre-operational condition PB 2 (Table S1.4) & Pre-operational condition PB 6 (Table S1.4)	Continuous measurement	MCERTS certified instruments ^[Note 6]
CHP1, CHP2 & PT1	water vapour content (unless gas is dried before analysis of emissions)	Waste Wood Plant and Plasma Plant	-	Continuous	-	As described in the Application.
CHP1, CHP2 & PT1	Ammonia (NH ₃) where SNCR or SCR used for NO _x abatement	Waste Wood Plant and Plasma Plant	-	Continuous where CEM installed Half hour average and daily average if CEMs installed	-	As described in the Application.
CHP1, CHP2 & PT1	Nitrous oxide (N ₂ O) where SNCR or SCR used for NO _x abatement	Waste Wood Plant and Plasma Plant	-	Quarterly in the first year of operation. Then bi-annually Periodic over minimum 1 hour period	-	VDI 2469-1 or VDI 2469-2
CHP1, CHP2 & PT1	Dioxin-like PCBs (WHO-TEQ ^[Note 1] Humans / Mammals)	Waste Wood Plant and Plasma Plant	-	Quarterly in the first year of operation. Then bi-annually periodic measurement: average value over sample period of between 6 and 8 hours.	-	To be determined utilising sampling and analytical techniques developed for dioxins/furans (BS EN 1948).

Table S3.1 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
CHP1, CHP2 & PT1	Dioxin-like PCBs (WHO-TEQ ^[Note 1] Fish)	Waste Wood Plant and Plasma Plant	-	Quarterly in the first year of operation. Then bi-annually periodic measurement: average value over sample period of between 6 and 8 hours.	-	To be determined utilising sampling and analytical techniques developed for dioxins/furans (BS EN 1948).
CHP1, CHP2 & PT1	Dioxin-like PCBs (WHO-TEQ ^[Note 1] Birds)	Waste Wood Plant and Plasma Plant	-	Quarterly in the first year of operation. Then bi-annually periodic measurement: average value over sample period of between 6 and 8 hours.	-	To be determined utilising sampling and analytical techniques developed for dioxins/furans (BS EN 1948).
CHP1, CHP2 & PT1	Specific individual polycyclic aromatic hydrocarbons (PAHs), as specified in Schedule 6.	Waste Wood Plant and Plasma Plant	-	Quarterly in the first year of operation. Then bi-annually periodic measurement: average value over sample period of between 6 and 8 hours.	-	Procedure shall use BS ISO 11338-1 and BS-ISO 11338-2.
SPDF1 [Point SPDF1 on Figure 3 of Attachment 1.3.1B]	Particulates	Powder silo	No visible dust	Spot sample	Daily	Visual

Table S3.1 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
SPDF2 [Point SPDF2 on Figure 3 of Attachment 1.3.1B]	Particulates	Powder handling	No visible dust	Spot sample	Daily	Visual
SPDFERV1 [Point SPDFERV1 on Figure 3 of Attachment 1.3.1B]	Particulates	Powder silo emergency pressure relief	No limit set	Frisbees and gauges	-	Permanent sampling access not required.

Note 1: Metals include gaseous, vapour and solid phases as well as their compounds (expressed as the metal or the sum of the metals as specified) Sb, As, Pb, Cr, Co, Cu, Mn, Ni and V mean antimony, arsenic, lead, chromium, cobalt, copper, manganese, nickel and vanadium respectively.

Note 2: The I-TEQ sum of the equivalence factors to be reported as a range based on: All congeners less than the detection limit assumed to be zero as a minimum, and all congeners less than the detection limit assumed to be at the detection limit as a maximum.

Note 3: The Continuous Emission Monitors used shall be such that the values of the 95% confidence intervals of a single measured result at the daily emission limit value shall not exceed 10%. Valid half-hourly average values shall be determined within the effective operating time (excluding the start-up and shut-down periods) from the measured values after having subtracted this value of the confidence interval (10%). Where it is necessary to calibrate or maintain the monitor and this means that data is not available for a complete half-hour period, the half-hourly average shall nonetheless be considered valid if measurements are available for a minimum of 20 minutes during the half-hour period. (The number of half-hourly averages so validated shall not exceed 5 (or such other number justified in the Application) per day). Daily average values shall be determined as the average of all the valid half-hourly average values within a calendar day. The daily average value will be considered valid if no more than five half-hourly average values in any day have been determined not to be valid. No more than ten daily average values per year shall be determined not to be valid.

Note 4: As Note 3, except that the value of the confidence interval is 20% in place of 10%.

Note 5: As Note 3, except that the value of the confidence interval is 30% in place of 10%.

Note 6: As Note 3, except that the value of the confidence interval is 40% in place of 10%.

Table S3.1 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
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Note 7: MCERTS certification to the appropriate ranges and determinands is a demonstration of compliance to the applicable standards.

Note 8: Where an Operator has demonstrated in his application that the NO / NO₂ ratio is constant across the operating conditions and that NO measurement can be used as a surrogate for total NO_x measurement. Measurement of NO followed by multiplication by the factor determined by pre-operational conditions PB2 to PB7 can be substituted for measurement of all oxides of nitrogen.

Table S3.1(a) Point source emissions to air during abnormal operation of incineration plant – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference Period	Monitoring frequency	Monitoring standard or method
CHP1 & CHP2	Particulate matter	Waste Wood Plant and Plasma Plant	150 mg/m ³	½-hr average	Continuous measurement	BS EN 13824-2 ^{[Note 1] [Note 3]} during abatement plant failure during failure of the continuous emission monitor.
CHP1 & CHP2	Total Organic Carbon (TOC)		20 mg/m ³	½-hr average	Continuous measurement	BS EN 12619 ^{[Note 1] [Note 3]} during abatement plant failure during failure of the continuous emission monitor.
CHP1 & CHP2	Carbon monoxide		100 mg/m ³	½-hr average	Continuous measurement	ISO 12039 ^{[Note 2] [Note 3]} during abatement plant failure during failure of the continuous emission monitor.

Note 1: Metals include gaseous, vapour and solid phases as well as their compounds (expressed as the metal or the sum of the metals as specified) Sb, As, Pb, Cr, Co, Cu, Mn, Ni and V mean antimony, arsenic, lead, chromium, cobalt, copper, manganese, nickel and vanadium respectively.

Note 3: The Continuous Emission Monitors used shall be such that the values of the 95% confidence intervals of a single measured result at the daily emission limit value shall not exceed 10%. Valid half-hourly average values shall be determined within the effective operating time (excluding the start-up and shut-down periods) from the measured values after having subtracted this value of the confidence interval (10%). Where it is necessary to calibrate or maintain the monitor and this means that data is not

Table S3.1 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
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available for a complete half-hour period, the half-hourly average shall nonetheless be considered valid if measurements are available for a minimum of 20 minutes during the half-hour period. (The number of half-hourly averages so validated shall not exceed 5 (or such other number justified in the Application) per day). Daily average values shall be determined as the average of all the valid half-hourly average values within a calendar day. The daily average value will be considered valid if no more than five half-hourly average values in any day have been determined not to be valid. No more than ten daily average values per year shall be determined not to be valid.

Table S3.2 Annual limits for Thermal Desorption Activity

Substance	Medium	Limit (including unit)
Sulphur dioxide	Air	60 kg (as SO ₂) in a year
Oxides of nitrogen	Air	1250 kg (as NO ₂) in a year
Mercury	Air	1kg in a year
Cadmium	Air	1kg in a year

Annual limits for Waste Wood Energy Recovery Plant

Substance	Medium	Limit (including unit)
As per Pre-operational condition PB 12 (Table S1.4)	As per Pre-operational condition PB 12 (Table S1.4)	As per Pre-op Condition PB 12 (Table S1.4)

Annual limits for Waste Wood Plant and Plasma Plant

Substance	Medium	Limit (including unit)
As per Pre-operational condition PB 8 (Table S1.4)	As per Pre-operational condition PB 8 (Table S1.4)	As per Pre-operational condition PB 8 (Table S1.4)

Table S3.3 Process monitoring requirements				
Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
ITD Process scrubber	pH	Daily	Not applicable	-
ITD Condenser	Cooling water outlet temperature	Continuous	Not applicable	-
Carbon Filters from the ITD building	VOC's	Weekly for first three months and during commissioning then monthly	FID or as agreed with the Environment Agency	-
Close to the Combustion Chamber between Zone 1 and Zone 2 (inclusive) in the ITD building	Temperature (°C)	Continuous	Traceable to National Standards	-
CHP1, CHP2 & PT1	Temperature	Continuous	MCERTS instrumentation	As described in the Application
CHP1, CHP2 & PT1	Pressure	Continuous	MCERTS instrumentation	As described in the Application
CHP1, CHP2 & PT1	Oxygen content	Continuous	MCERTS instrumentation	As described in the Application
Thermal Desorption Treatment	In-waste temperature	Continuous	Not applicable	-

Table S3.3 Process monitoring requirements				
Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Thermal Desorption Treatment	Treatment chamber pressure	Continuous	Not applicable	-
Thermal Desorption Treatment	Exit gas flow	Continuous	Not applicable	-
Thermal Desorption unit, via condenser to thermal oxidiser	Temperature, Oxygen	Continuous	Not applicable	-
Thermal Desorption unit, via condenser to thermal oxidiser	VOCs as carbon	Quarterly	BS EN 136491	1 hour averaging time
Thermal Desorption unit, via condenser to thermal oxidiser	Sulphur dioxide	Quarterly	BS EN 14791	1 hour averaging time
Thermal Desorption unit, via condenser to thermal oxidiser	Particulate matter (PM ₁₀)	Quarterly	BS EN 13284-1 and MID	1 hour averaging time
Thermal Desorption unit, via condenser to thermal oxidiser	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	Quarterly	BS EN 14792	Daily average

Table S3.4 Residue quality					
Emission point reference or source or description of point of measurement	Parameter	Limit	Monitoring frequency	Monitoring standard or method	Other specifications
Bottom Ash	TOC	<3%	Monthly in the first year of operation, then quarterly.	Environment Agency Guidance, 'TGN M4 – Guidelines for Ash Sampling and Analysis'.	-
Bottom Ash	Metals (Antimony, Cadmium, Thallium, Mercury, Lead, Chromium, Copper, Manganese, Nickel, Arsenic, Cobalt, Vanadium, Zinc) and their compounds, dioxins/furans and dioxin-like PCBs.	-	Monthly in the first year of operation, then quarterly.	Environment Agency Guidance, 'TGN M4 – Guidelines for Ash Sampling and Analysis'.	-
Bottom Ash	Total soluble fraction and metals (Antimony, Cadmium, Thallium, Mercury, Lead, Chromium, Copper, Manganese, Nickel, Arsenic, Cobalt, Vanadium, Zinc) soluble fractions	-	Before use of a new disposal or recycling route	Environment Agency Guidance, 'TGN M4 – Guidelines for Ash Sampling and Analysis'	-
APC Residues	Metals (Antimony, Cadmium, Thallium, Mercury, Lead, Chromium, Copper, Manganese, Nickel, Arsenic, Cobalt, Vanadium, Zinc) and their compounds, dioxins/furans and dioxin-like PCBs.	-	Monthly in the first year of operation. Then Quarterly	Environment Agency Guidance, 'TGN M4 – Guidelines for Ash Sampling and Analysis'	-

Table S3.4 Residue quality					
Emission point reference or source or description of point of measurement	Parameter	Limit	Monitoring frequency	Monitoring standard or method	Other specifications
APC Residues	Total soluble fraction and metal soluble fractions (Antimony, Cadmium, Thallium, Mercury, Lead, Chromium, Copper, Manganese, Nickel, Arsenic, Cobalt, Vanadium, Zinc)	-	Before use of a new disposal or recycling route	Environment Agency Guidance, 'TGN M4 – Guidelines for Ash Sampling and Analysis'	-
Other solid residues	Metals (Antimony, Cadmium, Thallium, Mercury, Lead, Chromium, Copper, Manganese, Nickel, Arsenic, Cobalt, Vanadium, Zinc) and their compounds, dioxins/furans and dioxin-like PCBs.	-	Monthly in the first year of operation. Then Quarterly	Environment Agency Guidance, 'TGN M4 – Guidelines for Ash Sampling and Analysis'	-
Other solid residues	Total soluble fraction and metal soluble fractions (Antimony, Cadmium, Thallium, Mercury, Lead, Chromium, Copper, Manganese, Nickel, Arsenic, Cobalt, Vanadium, Zinc)	-	Before use of a new disposal or recycling route	Environment Agency Guidance, 'TGN M4 – Guidelines for Ash Sampling and Analysis'	-

Table S3.5 Landfill gas – other monitoring requirements

Monitoring Point Ref./Description	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Landfill Gas collection system at well control valve, manifolds (if applicable) and strategic points on gas system	Methane Carbon Dioxide Oxygen Carbon Monoxide Atmospheric pressure Gas flow rate or suction % Balance Gas (calculated as the difference between the sum of measured gases and 100%)	Monthly or at such other frequency as may be agreed in writing with the Environment Agency.	Calibrated handheld monitoring instrument	Where the oxygen concentration exceeds 5% or the % balance gas is greater than 20% an assessment of air ingress into the system shall be undertaken. Where the concentration of carbon monoxide exceeds 100ppm then further investigation shall be undertake Record the ambient air temperature and whether the ground is: <ul style="list-style-type: none"> • Waterlogged; • Frozen; and • Snow covered.
Gas collection system at well control valve	Hydrogen sulphide	Six monthly	Calibrated handheld monitoring instrument or Tedlar Bag sample in accordance with LFTGN04 'Guidance for monitoring trace components in landfill gas' (version 3: 2010) or other such subsequent guidance as may be agreed in writing with the Environment Agency or a method agreed with the Environment Agency.	Concentrations of hydrogen sulphide shall be assessed in accordance with the gas and odour management plans.

Table S3.5 Landfill gas – other monitoring requirements

Monitoring Point Ref./Description	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Input to flare or LFG Utilisation Compound	Trace gas	Annually	Trace gas analysis in accordance with LFTGN04 'Guidance for monitoring trace components in landfill gas' (version 3: 2010) or such other subsequent guidance as may be agreed in writing with the Environment Agency.	The concentration of trace gas components shall be assessed against the assumptions made in the Landfill gas risk assessment and dispersion modelling.
Input to flare or LFG Utilisation Compound	Methane Carbon Dioxide Oxygen Gas flow rate Suction % Balance Gas (calculated as the difference between the sum of measured gases and 100%)	Weekly	-	Where the oxygen concentration exceeds 5% or the % balance gas is greater than 20% an assessment of air ingress into the system shall be undertaken.
Flare GF1 shown on Plan AU/PC/05-15/18676/JW dated 27/05/15	Temperature	As per LFTGN05 'Guidance for monitoring enclosed landfill gas flares' (version 2: 2010) or such other subsequent guidance as may be agreed in writing with the Environment Agency.	As per M2 - 'Monitoring of stack emissions to air' or such other subsequent guidance as may be agreed in writing with the Environment Agency.	-

Table S3.5 Landfill gas – other monitoring requirements				
Monitoring Point Ref./Description	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
GE1 - Gas engine, post turbo, shown on Plan AU/PC/05-15/18676/JW dated 27/05/15	NOx and CO	Quarterly	In accordance with Appendix C of LFTGN08 Guidance for monitoring landfill gas engine emissions, version 2: 2010 or such other subsequent guidance as may be agreed in writing with the Environment Agency. In accordance with Appendix C of LFTGN08 'Guidance for monitoring landfill gas engines' (version 2: 2010) or such other subsequent guidance as may be agreed in writing with the Environment Agency.	Where monitoring using hand-held, electrochemical equipment indicates an exceedance of the emissions standards specified in Table S3.1, these shall be used as action levels and the operator shall investigate the cause and take appropriate measures to reduce emissions.

Table S3.6 Ambient air monitoring requirements				
Location or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
As per Improvement Condition IC 2 (Table S1.3) (note 1)	As per Improvement Condition IC 2 (Table S1.3) (note 1)	As per Improvement Condition IC 2 (Table S1.3) (note 1)	As per Improvement Condition IC 2 (Table S1.3) (note 1)	As per Improvement Condition IC2 (Table S1.3) (note 1)
<p>Note 1: The location, monitoring parameter, frequency, monitoring standards and other specifications are detailed in the Environmental Monitoring Action Plan, Soil Treatment Centre, Port Clarence Landfill Site dated 10/10/06 submitted in Attachment B2.2.33 of the PPC application or any subsequent Environmental Monitoring Action Plan for the Port Clarence Waste Facility agreed in writing by the Environment Agency.</p>				

Schedule 4 – Reporting

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

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to air Parameters as required by condition 3.5.1.	ET1 and ET2, CHP1 & 2, PT1, GF1 (Flare), GE1, ITD1 to 3, WTP1, WTP2, WTP3, WTP4, VWTP4, ITD1, IDT2, ITD3, MRF1, SPDF1 to 2, SPDFERV1 and WST1	Every 12 months	1 Jan
Ambient air monitoring Parameters as required by condition 3.5.1	As per Improvement Condition IC 2 (Table S1.3)	Every 6 months	1 Jan, 1 July
TOC Parameters as required by condition 3.5.1	Bottom ash	Quarterly (but monthly for the first year of operation)	1 Jan, 1 Apr, 1 Jul and 1 Oct
Metals (Antimony, Cadmium, Thallium, Mercury, Lead, Chromium, Copper, Manganese, Nickel, Arsenic, Cobalt, Vanadium, Zinc) and their compounds, dioxins/furans and dioxin-like PCBs Parameters as required by condition 3.5.1	APC (baghouse) residues	Quarterly (but monthly for the first year of operation)	1 Jan, 1 Apr, 1 Jul and 1 Oct
Total soluble fraction and metals (Antimony, Cadmium, Thallium, Mercury, Lead, Chromium, Copper, Manganese, Nickel, Arsenic, Cobalt, Vanadium, Zinc) soluble fractions Parameters as required by condition 3.5.1	APC (baghouse) residues	Before use of a new disposal or recycling route	
Metals (Antimony, Cadmium, Thallium, Mercury, Lead, Chromium, Copper, Manganese, Nickel, Arsenic, Cobalt, Vanadium, Zinc) and their compounds, dioxins/furans and dioxin-like PCBs Parameters as required by condition 3.5.1	Bottom Ash	Quarterly (but monthly for the first year of operation)	
Total soluble fraction and metals (Antimony, Cadmium, Thallium, Mercury, Lead, Chromium, Copper, Manganese, Nickel, Arsenic, Cobalt, Vanadium, Zinc) soluble fractions Parameters as required by condition 3.5.1	Bottom Ash	Before use of a new disposal or recycling route	

Table S4.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Other Landfill Gas monitoring	As specified by Schedule 3, Table S3.5	Every 3 months	31 March, 30 June, 31 September, 31 December
Trace gas monitoring		Every 12 months	31 December
Functioning and monitoring of the incineration plant as required by condition 4.2.2	-	Annually	1 Jan
Environmental monitoring Parameters as required by condition 3.6.1	Environmental monitoring as per Improvement Condition IC 2 (Table S1.3)	Annually	1 Jan

Table S4.2: Annual production/treatment	
Parameter	Units
Total Commercial Waste Incinerated	tonnes
Electrical energy exported	KWhrs
Electrical energy used on installation	KWhrs
Other energy produced by installation	KWhrs
Soil washing plant waste treatment	tonnes
Waste stabilisation plant waste treatment	tonnes
Bioremediation plant waste treatment	tonnes
Total Commercial Waste Incinerated	tonnes
Electrical energy produced	KWhrs
Thermal energy produced e.g. steam for export	KWhrs
Electrical energy exported	KWhrs
Electrical energy used on installation	KWhrs
Waste heat utilised by the installation	KWhrs

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy usage	Annually	MWh
Total raw material used	Annually	tonnes
Electrical energy Imported to site	Quarterly	KWhrs / tonne of waste incinerated (dry basis)
Fuel oil consumption	Quarterly	Kgs / tonne of waste incinerated (dry basis)
Mass of Bottom Ash produced	Quarterly	Kgs / tonne of waste incinerated (dry basis)
Mass of APC residues produced	Quarterly	Kgs / tonne of waste incinerated (dry basis)

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Mass of Waste treated	Quarterly	tonnes of waste treated
Mass of Waste treated with a halogen content greater than 1% (as Chlorine)	Quarterly	tonnes of waste treated
Mass of Other solid residues produced	Quarterly	Kgs / tonne of waste incinerated (dry basis)
Ammonia / Urea consumption	Quarterly	Kgs / tonne of waste incinerated (dry basis)
Activated carbon consumption	Quarterly	Kgs / tonne of waste incinerated (dry basis)
Lime consumption	Quarterly	Kgs / tonne of waste incinerated (dry basis)
Water consumption	Quarterly	Kgs / tonne of waste incinerated (dry basis)
Total mass release of each of the parameters in Schedule 3, Table S3.2	Annually	tonnes

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by the Environment Agency	15/05/09
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	15/05/09
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	15/05/09
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	15/05/09

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	
Substances(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	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
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 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

“abatement equipment” means that equipment dedicated to the removal of polluting substances from releases from the installation to air or water media.

“abnormal operation” means any technically unavoidable stoppages, disturbances, or failures of the abatement plant or the measurement devices [other than continuous emission monitors for releases to air of particulates, TOC and/or CO], during which the concentrations in the discharges into air and the purified waste water of the regulated substances may exceed the normal emission limit values.

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

“APC residues” means air pollution control residues

“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.

“Annex I” means Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“Annex II” means Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“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.

“best available treatment, recovery and recycling techniques” shall have the meaning given to it in the document published jointly by the Department for Environment, Food and Rural Affairs, the Welsh Assembly Government and the Scottish Executive on 27th November 2006, entitled “Guidance on Best Available Treatment, Recovery and Recycling Techniques (BATRRT) and Treatment of Waste Electrical and Electronic Equipment (WEEE);

“bi-annual” means twice per year with at least five months between tests;

“bottom ash” means ash falling through the grate;

“building” means a construction that has the objective of providing sheltering cover and minimising emissions of noise, particulate matter, odour and litter.

“CEM” Continuous emission monitor

“CEN” means Comité Européen de Normalisation

“controlled substances” means chlorofluorocarbons, other fully halogenated chlorofluorocarbons, halons, carbon tetrachloride, 1,1,1-trichloroethane, methyl bromide, hydrobromofluorocarbons and hydrochlorofluorocarbons listed in Annex I of Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer, including their isomers, whether alone or in a mixture, and whether they are virgin, recovered, recycled or reclaimed. This definition shall not cover any controlled substance which is in a manufactured product other than a container used for the transportation or storage of that substance, or insignificant quantities of any controlled substance, originating from inadvertent or coincidental production during a manufacturing process, from unreacted feedstock, or from use as a processing agent which is present in chemical substances as trace impurities, or that is emitted during product manufacture or handling.

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

“daily average” for releases of substances to air means the average of valid half-hourly averages over consecutive discrete periods of 24 hours as described in the application / agreed with the Environment Agency during normal operation.

“dioxin and furans” means polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans.

“disposal” means any of the operations provided for in Annex IIA to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

“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..

“End-of-Life Vehicles Directive” means Directive 2000/53/EC of the European Parliament and Council of 18 September 2000 on end-of-life vehicles.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“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 given in Schedule 3 of the Hazardous Waste (England and Wales) Regulations 2005 No.894 and the Hazardous Waste (Wales) Regulations 2005 No. 1806 (W.138).

“hazardous waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005 No.894, the Hazardous Waste (Wales) Regulations 2005 No. 1806 (W.138), the List of Wastes (England) Regulations 2005 No.895 and the List of Wastes (Wales) Regulations 2005 No. 1820 (W.148).

“incineration line” means all of the incineration equipment related to a common discharge to air location.

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions

“ISO” means International Standards Organisation.

“LOI” means loss on ignition a technique used to determine the combustible material by heating the ash residue to a high temperature

“Non WOD Oils” means waste oils other than those defined in Article 3 to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“ozone-depleting substances” “ODS” means “controlled substances” contained in refrigeration, air-conditioning and heat pump equipment, equipment containing solvents, fire protection systems and fire extinguishers.

“PAH” means Poly-cyclic aromatic hydrocarbon, and comprises Anthanthrene, Benzo[a]anthracene, Benzo[b]fluoranthene, Benzo[k]fluoranthene, Benzo[b]naph(2,1-d)thiophene, Benzo[c]phenanthrene, Benzo[ghi]perylene, Benzo[a]pyrene, Cholanthrene, Chrysene, Cyclopenta[c,d]pyrene, Dibenz[ah]anthracene, Dibenz[a,i]pyrene Fluoranthene, Indo[1,2,3-cd]pyrene, Naphthalene

“PCB” means *Polychlorinated Biphenyl*. *Dioxin-like PCBs are the non-ortho and mono-ortho PCBs listed in the table below.*

“quarterly” for reporting/sampling means after/during each 3 month period, January to March; April to June; July to September and October to December and, when sampling, with at least 2 months between each sampling date.

“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 on waste.

“recovery” means any of the operations provided for in Annex IIB to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

shut down” is any period where the plant is being returned to a non-operational state and there is no waste being burned agreed in writing with the Environment Agency.

“start up” is any period, where the plant has been non-operational, after igniting the auxiliary burner until waste or waste fuel has been fed to the plant in sufficient quantity to cover the grate and to initiate steady-state conditions or agreed in writing with the Environment Agency.

“*TOC*” means *Total Organic Carbon*. In respect of releases to air, this means the gaseous and vaporous organic substances, expressed as TOC. In respect of Bottom Ash, this means the total carbon content of all organic species present in the ash (excluding carbon in elemental form).

“*Waste code*” means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, and in relation to hazardous waste, includes the asterisk.

“*WEEE*” means waste electrical and electronic equipment.

“*WEEE Directive*” means Directive 2002/96/EC of the European Parliament and of the Council of 27th January 2003 on waste electrical and electronic equipment (WEEE) as amended by Directive 2003/108/EC of the European Parliament and of the Council of 8th December 2003 on waste electrical and electronic equipment (WEEE).

“*WFD*” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste

“*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:

- (a) 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
- (b) 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
- (c) in relation to gases from incineration plants other than those burning waste oil, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 11% dry, in relation to gases from co-incineration plants the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 6% dry
- (d) where hazardous wastes are burned in plant covered by Schedule 13 of Environmental Permitting Regulations and the emissions of pollutants are reduced by gas treatment, standardisation of the gas with respect to oxygen content shall be carried out only if the oxygen concentration measured over the same period exceeds the relevant oxygen content defined in conditions [(a) – (c)] above. In other cases, the measured emissions shall be standardised only for moisture, pressure and temperature.

For dioxins/furans and dioxin-like PCBs the determination of the toxic equivalence concentration (I-TEQ, & WHO-TEQ for dioxins/furans, WHO-TEQ for dioxin-like PCBs) stated as a release limit and/ or reporting requirement, the mass concentrations of the following congeners have to be multiplied with their respective toxic equivalence factors before summing. When reporting on measurements of dioxins/furans and dioxin-like PCBs, the toxic equivalence concentrations should be reported as a range based on: all congeners less than the detection limit assumed to be zero as a minimum, and all congeners less than the detection limit assumed to be at the detection limit as a maximum.

TEF schemes for dioxins and furans				
Congener	I-TEF(1990)	WHO-TEF (1997/8)		
		Humans / Mammals	Fish	Birds
Dioxins				
2,3,7,8-TCDD	1	1	1	1
1,2,3,7,8-PeCDD	0.5	1	1	1
1,2,3,4,7,8-HxCDD	0.1	0.1	0.5	0.05
1,2,3,6,7,8-HxCDD	0.1	0.1	0.01	0.01
1,2,3,7,8,9-HxCDD	0.1	0.1	0.01	0.1
1,2,3,4,6,7,8-HpCDD	0.01	0.01	0.001	<0.001
OCDD	0.001	0.0001	-	-
Furans				
2,3,7,8-TCDF	0.1	0.1	0.05	1
1,2,3,7,8-PeCDF	0.05	0.05	0.05	0.1
2,3,4,7,8-PeCDF	0.5	0.5	0.5	1
1,2,3,4,7,8-HxCDF	0.1	0.1	0.1	0.1
1,2,3,7,8,9-HxCDF	0.1	0.1	0.1	0.1
1,2,3,6,7,8-HxCDF	0.1	0.1	0.1	0.1
2,3,4,6,7,8-HxCDF	0.1	0.1	0.1	0.1
1,2,3,4,6,7,8_HpCDF	0.01	0.01	0.01	0.01
1,2,3,4,7,8,9-HpCDF	0.01	0.01	0.01	0.01
OCDF	0.001	0.0001	0.0001	0.0001

TEF schemes for dioxin-like PCBs			
Congener	WHO-TEF (1997/8)		
	Humans / mammals	Fish	Birds
Non-ortho PCBs			

TEF schemes for dioxin-like PCBs			
Congener	WHO-TEF (1997/8)		
	Humans / mammals	Fish	Birds
3,4,4',5-TCB (81)	0.0001	0.0005	0.1
3,3',4,4'-TCB (77)	0.0001	0.0001	0.05
3,3',4,4',5 - PeCB (126)	0.1	0.005	0.1
3,3',4,4',5,5'-HxCB(169)	0.01	0.00005	0.001
Mono-ortho PCBs			
2,3,3',4,4'-PeCB (105)	0.0001	<0.000005	0.0001
2,3,4,4',5-PeCB (114)	0.0005	<0.000005	0.0001
2,3',4,4',5-PeCB (118)	0.0001	<0.000005	0.00001
2',3,4,4',5-PeCB (123)	0.0001	<0.000005	0.00001
2,3,3',4,4',5-HxCB (156)	0.0005	<0.000005	0.0001
2,3,3',4,4',5'-HxCB (157)	0.0005	<0.000005	0.0001
2,3',4,4',5,5'-HxCB (167)	0.00001	<0.000005	0.00001
2,3,3',4,4',5,5'-HpCB (189)	0.0001	<0.000005	0.00001

Schedule 7 – Site plan



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