Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Veolia ES (UK) Limited

Marchwood Treatment Works
Area 6
Oceanic Way
Marchwood
Southampton
Hampshire
SO40 4BD

Variation application number

EPR/NP3833UE/V006

Permit number

EPR/NP3833UE

Marchwood Treatment Works
Permit number EPR/NP3833UE

Introductory note

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

Under the Environmental Permitting (England & Wales) Regulations 2010 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

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

The Industrial Emissions Directive (IED) was transposed in England and Wales by the Environmental Permitting (England and Wales)(Amendment) Regulations 2013 on 27 February 2013. This variation implements the changes brought about by the IED for "existing facilities operating newly prescribed activities" and completes the transition of this facility from a waste operation to an IED Installation.

Veolia ES (UK) Limited are operating a waste treatment facility at Marchwood Treatment Works, Southampton. The site is situated on the west side of Southampton harbour within the Marchwood Industrial Park business area, at grid reference SU 3972 1121. Immediate site neighbours include a municipal waste incinerator and a bulk aggregates reception and dispatch operation. On the north eastern perimeter of the site is the River Test with the Southampton Associated British Ports Western Docks situated on the opposite river bank. Solent & Southampton Water (Ramsar and Special Protection Area), Eling and Bury Marshes (SSSI), and Dibden Bay (SSSI) are located approximately 1km to the west and south east of the site.

The facility mainly deals with the separation and recovery of oil from aqueous wastes, especially from shipping. Prior to issue of this permit the site was operated in accordance with Waste Management Licence Number 10225 and subsequent modifications.

The plant receives wastes mainly in bulk road tankers, by barge and in containers including drums, IBCs and other packages, and after acceptance checks, stores these in bulk tanks on site prior to processing.

The oily wastes are heated and sometimes chemically treated to aid separation of the oil, water and 'sludgy' phases, which are then decanted. Emissions to air arise from the hot oil process (A1, A2 – volatile organic compounds) and the associated small boiler (A3). The oil is sold, the sludges disposed of and the water further treated before discharge. Besides the water derived from the oil processing, other waste water is also treated on site. Both streams can be treated by a combination of aerobic digestion and dissolved air flotation (DAF), although the exact treatment applied depends upon the nature of the waste. The cleaned water is discharged to sewer (S1).

The site also undertakes waste storage pending the above treatments, and carries out secondary processing such as drum cleaning, crushing and cutting, and tanker cleaning.

Operations at the facility comprise the following installation activities under the Environmental Permitting (England and Wales) (Amendment) Regulations 2013 Schedule 1 Part 2:

- Section 5.6 Part A(1) (a) 'Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes pending any of the activities listed in Sections 5.1, 5.2 or 5.3;
- Section 5.3 Part A(1) (a) (i) 'Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving biological treatment';
- Section 5.3 Part A(1) (a) (ii) 'Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment' – treatment of waste water;
- Section 5.3 Part A(1) (a) (ii) 'Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment' – treatment of oily waste;

- Section 5.3 Part A(1) (a) (iv) 'Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving repackaging';
- Section 5.3 Part A(1) (a) (ii) 'Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment' – treatment of hazardous waste drums; and
- Section 5.3 Part A(1) (a) (ii) 'Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment' – tanker washing.

The site also acts as a transfer station for a variety of wastes where no treatment or processing takes place. These waste operations remain regulated under the conditions of the Waste Management Licence EAWML 10225.

This variation:

- Identifies the combined treatment of hazardous and non-hazardous wastes by biological treatment as a S5.3A(1)(a)(i) activity;
- Identifies the treatment of hazardous and non-hazardous wastes by dissolved air flotation as a S5.3A(1)(a)(ii) activity;
- Moves the treatment of contaminated packaging by compaction from a listed activity to a Directly Associated Activity (DAA);
- Adds chemical dosing of nutrients and/or chemicals to aid treatment as a DAA;
- Removes the storage of non-hazardous wastes together with hazardous wastes prior to treatment as a DAA;
- Moves the physical treatment of hazardous waste drums from a DAA to an installation activity; and
- Moves the washing of tankers from a DAA to an installation activity.

In addition, this variation removes 33 EWC codes from the list of acceptable wastes and adds the following ones:

- 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
- 05 07 02 wastes containing sulphur
- 06 05 02* sludges from on-site effluent treatment containing dangerous substances
- 08 01 11* waste paint and varnish containing organic solvents or other hazardous substances
- 08 01 15* aqueous sludges containing paint or varnish containing organic solvents or other hazardous substances
- 08 01 19* aqueous suspensions containing paint or varnish containing organic solvents or other hazardous substances
- 08 01 21* waste paint or varnish remover
- 08 03 12* waste ink containing hazardous substances
- 08 04 09* waste adhesives and sealants containing organic solvents or other hazardous substances
- 08 04 11* adhesive and sealant sludges containing organic solvents or other hazardous substances
- 08 04 13* aqueous sludges containing adhesives or sealants containing organic solvents or other hazardous substances
- 10 01 21 sludges from on-site effluent treatment other than those mentioned in 10 01 20
- 12 03 01* aqueous washing liquids
- 13 05 02* sludges from oil/water separators
- 16 01 13* brake fluids
- 16 07 08* wastes containing oil
- 20 01 27* paint, inks, adhesives and resins containing hazardous substances

The schedules specify the changes made to the permit.

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

Status log of the permit		
Description	**Date**	**Comments**
Application NP3833UE	Duly made 17/02/2007	
Permit determined	27/09/2007	Original permit issued to Veolia ES (UK) Limited
Notification	28/03/2011	Registered office address changed from 154a Pentonville Road, London, N19 9PE to 210 Pentonville Road, London, N1 9JY
Variation Application EPR/NP3833UE/V002	29/07/2011	Application to vary and add additional waste codes to table S3.8
Variation Determined EPR/NP3833UE	13/09/2011	Varied permit issued
Variation Application EPR/NP3833UE/V003	Duly made 29/01/2013	Application to vary and add additional waste codes to tables S3.3, S3.4, S3.7 and S3.11.
Variation determined EPR/NP3833UE	22/02/2013	Varied permit issued.
Agency variation determined EPR/NP3833UE/V004	15/01/2014	Agency variation to implement the changes introduced by IED
Variation application EPR/NP3833UE/V005	Received 18/02/2014	
Variation withdrawn EPR/NP3833UE/V005	08/04/2014	Application withdrawn
Application EPR/NP3833UE/V006 (variation and consolidation)	Duly made 16/04/2015	Application to vary and update the permit to include IED conditions.
Variation determined EPR/NP3833UE (Billing ref: MP3832AV)	29/06/2016	Varied permit issued in modern condition format.

Other existing Licences/Authorisations/Registrations relating to this site		
Operator	**Permit number**	**Date of issue**
Veolia (ES) UK Limited	19917 (SN061a) Waste Management Licence	04/04/97
Veolia (ES) UK Limited	EAWML 10225 Waste Management Licence	30/05/02

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 regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies and consolidates

Permit number

EPR/NP3833UE

Issued to

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

whose registered office is

8th Floor
210 Pentonville Road
London
N1 9JY

company registration number 2481991

to operate a regulated facility at

Marchwood Treatment Works
Area 6
Oceanic Way
Marchwood
Southampton
Hampshire
SO40 4BD

to the extent set out in the schedules.

The notice shall take effect from 29/06/2016

Name	Date
Mike Jenkins	**29/06/2016**

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit as a result of the application made by the operator.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number

EPR/NP3833UE

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/NP3833UE/V006 authorising,

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

whose registered office is

8th Floor
210 Pentonville Road
London
N1 9JY

company registration number 2481991

to operate an installation at

Marchwood Treatment Works
Area 6
Oceanic Way
Marchwood
Southampton
Hampshire
SO40 4BD

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

Name	Date
Mike Jenkins	**29/06/2016**

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

1.1.1 The operator shall manage and operate the activities:

(a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and

(b) using sufficient competent persons and resources.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

1.1.4 The operator shall comply with the requirements of an approved competence scheme.

1.2 Energy efficiency

1.2.1 The operator shall:

(a) take appropriate measures to ensure that energy is used efficiently in the activities;

(b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and

(c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

1.3.1 The operator shall:

(a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;

(b) maintain records of raw materials and water used in the activities;

(c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and

(d) take any further appropriate measures identified by a review.

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

1.4.1 The operator shall take appropriate measures to ensure that:

(a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and

(b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and

(c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

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

2 Operations

2.1 Permitted activities

2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the "activities").

2.1.2 Waste authorised by this permit shall be clearly distinguished from any other waste on the site.

2.2 The site

2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

2.3 Operating techniques

2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.

2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation ("plan") specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.

2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.

2.3.4 Waste shall only be accepted if:

(a) it is of a type and quantity listed in schedule 2 table S2.2; and

(b) it conforms to the description in the documentation supplied by the producer and holder.

2.3.5 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:

(a) the nature of the process producing the waste;

(b) the composition of the waste;

(c) the handling requirements of the waste;

(d) the hazardous property associated with the waste, if applicable; and

(e) the waste code of the waste.

2.3.6 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.4 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.

3 Emissions and monitoring

3.1 Emissions to water, air or land

3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1 and S3.2.

3.1.2 The limits given in schedule 3 shall not be exceeded.

3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

3.2 Emissions of substances not controlled by emission limits

3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.

3.2.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;

(b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.

3.3.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;

(b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4 Noise and vibration

3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any

approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.

3.4.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;

(b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Monitoring

3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:

(a) point source emissions specified in tables S3.1, S3.2 and S3.3.

3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.

3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.

3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1, S3.2 and S3.3 unless otherwise agreed in writing by the Environment Agency.

3.6 Pests

3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.

3.6.2 The operator shall:

(a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution from pests;

(b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.7 Fire prevention

3.7.1 The operator shall take all appropriate measures to prevent fires on site and minimise the risk of pollution from them including, but not limited to, those specified in any approved fire prevention plan.

3.7.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to a risk of fire, submit to the Environment Agency for approval within the period specified, a fire prevention plan which prevents fires and minimises the risk of pollution from fires;

(b) implement the fire prevention plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

4.1.1 All records required to be made by this permit shall:

(a) be legible;

(b) be made as soon as reasonably practicable;

(c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and

(d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:

(i) off-site environmental effects; and

(ii) matters which affect the condition of the land and groundwater.

4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:

(a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;

(b) the annual production /treatment data set out in schedule 4 table S4.2; and

(c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.

4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

(a) in respect of the parameters and emission points specified in schedule 4 table S4.1;

(b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4; and

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

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

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

4.3 Notifications

4.3.1 In the event:

(a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—

(i) inform the Environment Agency,

(ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and

(iii) take the measures necessary to prevent further possible incidents or accidents;

(b) of a breach of any permit condition the operator must immediately—

(i) inform the Environment Agency, and

(ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;

(c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

4.3.2 Any information provided under condition 4.3.1 (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:

(e) the death of any of the named operators (where the operator consists of more than one named individual);

(f) any change in the operator's name(s) or address(es); and

(g) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

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

(a) the Environment Agency shall be notified at least 14 days before making the change; and

(b) the notification shall contain a description of the proposed change in operation.

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

4.4 Interpretation

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

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

Schedule 1 – Operations

Table S1.1 activities			
Activity reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity and WFD Annex I and II operations**	**Limits of specified activity and waste types**
A1	S5.6 A(1)(a) Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes pending any of the activities listed in Sections 5.1, 5.2 or 5.3	D15 – Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where the waste is produced). R13 – Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where the waste is produced).	Storage of hazardous wastes. **Bulk reception and storage of oily waste for treatment on-site:** 5,000 tonnes per year maximum storage within the Reception Pits and Tanks 1S, R3, 5B, 11B, 21, 25, 29, 30, 31, 32, 33S, 34B, 46S, 47S, 48S, 49S, 50S. Waste types suitable for acceptance are limited to those specified in Table S2.2, sub-activity X1. **Storage of treated oils:** 5,000 tonnes per year maximum quantity of treated oil storage in tanks 19S & 20S for recovery or re-use off-site. Waste types suitable for acceptance are limited to those specified in Table S2.2, sub-activity X2. **Storage of containerised hazardous wastes:** 5000 tonnes per year maximum containerised storage of hazardous wastes, in the packaged waste covered storage area or outside on hard standing for treatment on-site. Waste types suitable for acceptance are limited to those specified in Table S2.2, sub-activity X3. **Storage of containerised hazardous waste:** 5000 tonnes per year maximum containerised storage of hazardous waste in the packaged waste covered storage area or outside on hard standing, pending

Table S1.1 activities			
Activity reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity and WFD Annex I and II operations**	**Limits of specified activity and waste types**
			treatment on-site, or treatment for disposal or recovery offsite. Waste types suitable for acceptance are limited to those specified in Table S2.2, sub-activity X4. **Storage within the drum area**: 10 tonnes/day maximum quantity of storage in aggregate for activities A6, A10 and A11. **Storage within the tanker wash area**: 10 tonnes/day maximum quantity of storage in aggregate for activities A7 and A9. **Storage of contaminated packaging**: 1000 tonnes per year maximum quantity of waste stored within the packaged waste covered storage area. Waste types suitable for acceptance are limited to those specified in Table S2.2, activity A10. **Bulk reception and storage of wastes prior to treatment by activity A2**: 30,000 tonnes maximum storage per year in tanks 21W and 22W. Waste types suitable for acceptance are limited to those specified in Table S2.2, sub-activity X5.
A2	S5.3 A(1)(a)(i) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving biological treatment.	D8 – Biological treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12.	Treatment of waste water. 30,000 tonnes per year maximum quantity of waste treatment to be carried out in Tanks 36A, 37A, 38A. Waste types suitable for acceptance are limited to those specified in Table S2.2, activity A2 & A3.
A3	S5.3 A(1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per	D9 – Physico-chemical treatment not specified elsewhere in this Annex which results in final	

Table S1.1 activities			
Activity reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity and WFD Annex I and II operations**	**Limits of specified activity and waste types**
	day involving physico-chemical treatment.	compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12.	
A4	S5.3 A(1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment.	D9 – Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12.	Treatment of oily waste by heating, flocculation and gravity separation. 10,000 tonnes per year maximum in Tanks 2B, 3B, 4B6B, 7B, 8B, 9B, 10B. Waste types suitable for acceptance are limited to those specified in Table S2.2, activity A4.
A5	S5.3 A(1)(a)(iv) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving repackaging.	D14 – Repackaging prior to submission to any of the operations numbered D1 to D13.	Repackaging of hazardous waste: 5000 tonnes per year maximum quantity of waste for repackaging in the packaged waste covered storage area or outside on hardstanding. Waste types suitable for acceptance are limited to those specified in Table S2.2, activity A5.
A6	S5.3 A(1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment.	D9 – Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12.	Physical treatment of hazardous waste (drums) by crushing/cutting in the drum area. Waste types suitable for acceptance are limited to those specified in Table S2.2, activity A6.
A7	S5.3 A(1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment.	D9 – Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12.	Physico-chemical treatment of tankers by washing in the tanker wash area (hazardous). Waste types suitable for acceptance are limited to those specified in Table S2.2, activity A7.
	Directly Associated Activity		
A8	Steam supply	1.8 MW_{th} gas oil-fired boiler	Includes receipt and storage of oil in Tanks 23GO and 24GO.
A9	Tanker washing (non hazardous)	D9 – Physico-chemical treatment which results in final compounds or mixtures which are	Physico-chemical treatment of tankers by washing in the tanker wash area (non-hazardous).

Table S1.1 activities			
Activity reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity and WFD Annex I and II operations**	**Limits of specified activity and waste types**
		discarded by means of any of the operations numbered D1 to D12.	Waste types suitable for acceptance are limited to those specified in Table S2.2, activity A9.
A10	Compaction of hazardous waste	D9 – Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12.	Treatment of hazardous waste (contaminated packaging) as a DAA to installation activities A1, A2, A3, A4 or A5. Waste types suitable for acceptance are limited to those specified in Table S2.2, activity A10.
A11	Compaction of non-hazardous waste	D9 – Physico-chemical treatment which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12.	Physical treatment of non-hazardous waste generated as part of the installation activities A1, A2, A3, A4 or A5 in the compactor for off-site treatment/ disposal or recovery.
A12	Chemical dosing	Chemical dosing of nutrients and/or chemicals to aid treatment	Addition of nutrients and/or chemicals to aid treatment. DAA to A2: addition of nutrients and/or chemical dosing agents to aid subsequent biological treatment of waste water. DAA to A3: addition of chemicals such as flocculants and/or chemical dosing agents to aid the subsequent DAF treatment.
A13	Raw material storage	Storage of raw materials including nutrients, flocculants and chemical dosing agents	From the receipt of raw materials to despatch for use within the facility.
A14	Process water collection and discharge	Collection of process water and discharge to site effluent treatment plant.	From the receipt of process water produced at the facility to transfer for treatment in the effluent treatment plant prior to discharge to sewer for treatment in sewage treatment works.

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Application	The response to questions 2.1.4 to 2.1.24 and 2.2 given in pages 23-53, and the referenced sections of application File 1 included therein, detailing techniques and controls used. Application File 1, section B2.10.22 detailing monitoring of wastes. Application File 1, section B2.10.26 detailing monitoring of groundwater. Application File 1, section B2.10.28 detailing monitoring of process variables.	17/02/07
Application	Responses to sections 3 and Appendix 5 of Part C3 of the application form.	16/04/15

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC1	The operator shall ensure that a review of the design, method of construction and integrity of all bunds surrounding above ground tanks be carried out by a qualified structural engineer. This shall compare existing bunds against the standards set out in Section 2.2.5 of the Sector Guidance Note S5.06, CIRIA Report 163 on the Construction of Bunds for Oil Storage Tanks with a tank capacity of < 25 m3 (ISBN: 0 86017 468 9), and CIRIA Report 164 on Design of Containment Systems for the prevention of water pollution from industrial incidents, for tanks with a capacity of > 25 m3 (ISBN: 0 86017 476X). The review shall include: • The physical condition of the bunds and shall address, but not be limited to: − Cracking in the floor of bund 11. − A hole in the base of bund 2 associated with discharges from the steam trap. − Failure of the concrete slab accommodating the tank in bund 4. − Deterioration of the eastern concrete wall of bund 5 and movement of the bay of the long walls. − Cracking of bund 9. − Cracking of the acid tank bund. − Condition of the tank plinths in Bund 11A. • Their suitability for providing containment when subjected to the dynamic and static loads caused by catastrophic tank failure, • Any work required to ensure compliance with the standards set out in CIRIA Reports 163 and 164 for reinforced concrete or masonry bunds with a timescale for completion to be agreed by the Agency, and • Suggested preventative maintenance & inspection regime. A written report of the review shall be submitted to the Environment Agency detailing the review's findings and recommendations. Remedial action shall be taken to ensure all bunds meet the standards set out in the above documents and implement the maintenance and inspection regime.	Complete
IC2	The Operator shall ensure that a review the integrity of all storage tanks and site surfacing against the requirements of Sections 2.1.3 and 2.2.5 of the Sector Guidance Note S5.06 be carried out by a qualified structural engineer, including but not limited to: • Silting of the Acco drains.	Complete

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	• Failure of the concrete hardstanding adjacent to the acid tank and at the entrance to the discharge area. • Cracking of the concrete hardstanding at the rear of the sludge building. • Damage to the joints of the concrete hardstanding across the installation. • Gaps in the kerbing arrangements. • Scarring of the base of Pit 1. • Damage to the edges of the tank walls of Pits 1 and 2. • Erosion of the floor of the E1 and E2 Effluent Tanks. The review shall identify any measures necessary to meet those requirements and propose a time scale for implementing them. A written report of the review shall be submitted to the Environment Agency detailing the review's findings and recommendations. Remedial action shall be taken to ensure all tanks and surfacing meet the standards set out in the above documents and implement the maintenance and inspection regime.	
IC3	The Operator shall review their techniques for the prevention of accidents and minimisation of their consequences having regard to the requirements set out in Section 2.8 of the Agency Guidance Note IPPC S5.06. The review shall consider, but not be limited to, the following events: • Barge unloading of oils on the River Test • Overflow hazards / seal failures • Tanker and vehicle movements • Control of spillages • Management of effluent in the event of a power failure • Events associated with dangerous substances and explosive atmospheres The review shall identify improvements and a programme of actions for their implementation. The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the programme. The programme shall be implemented by the Operator from the date of approval in writing by the Agency.	Complete
IC4	A written report shall be submitted to the Agency detailing how the impact of emissions of silver to sewer shall be maintained at a level that shall have no significant adverse effect upon the River Test. This may be done by dispersion modelling showing either that the predicted environmental concentration is less than 70% of the EAL, or that the process contribution is less than 1% of the EAL. If modelling shows that these thresholds may be exceeded, the report shall propose a programme of actions to reduce the impact to below the threshold. The programme shall contain a timescale for approval by the Agency. The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the review. The programme shall be implemented by the Operator from the date of approval in writing by the Agency.	Complete
IC5	A written review shall be submitted to the Agency that identifies the source and components of all emissions to air of volatile organic compounds (VOCs). The component analysis shall identify significant speciated groups or individual chemicals relevant to the impact study. The review shall include, but not be limited to, consideration of techniques for collection, retention and abatement of such emissions from plant associated with hot oil.	Complete

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	The review shall identify recommendations for improvements along with a timetable for implementation. The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the review. The programme shall be implemented by the Operator from the date of approval in writing by the Agency.	
IC6	The operator shall provide and maintain monitoring of effluent flow to sewer to the MCERTS standard. A copy of the first MCERTS site conformity inspection certificate shall be submitted to the Environment Agency	Complete
IC7	The operator shall carry out an assessment of the measures that are in place to reduce the risk of a pollution incident caused by fire water. The review shall include: • Consideration of the principles set out in PPG 18 – Managing Fire Water and Major Spillages. • Identification of any improvements necessary in order to minimise the risk of a pollution incident caused by fire water A written report summarising the assessment and any necessary improvements shall be submitted to the Environment Agency for approval. The Agency approval shall include timescales for the Operator to implement the improvements.	Complete
IC8	A written assessment shall be submitted to the Agency that demonstrates how representative sampling of effluent for emissions via S1 is currently undertaken, or makes proposals for how that will be achieved. The assessment shall make reference to the MCERTs standard 'Continuous water monitoring equipment part 1: Performance Standards and conformity testing procedures for automatic waste water sampling equipment version 1, February 2003' and any proposals shall meet the UKAS/appropriate methods standards. The assessment shall identify recommendations for improvements along with a timetable for implementation. The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the review. The programme shall be implemented by the Operator from the date of approval in writing by the Agency.	Complete
IC9	The Operator shall review the current provision of suitable abatement systems and level meters with both audible and visual high-level alarms, on all tanks and vessels and make proposals to implement facilities that accord with section 2.1.3 of Sector Guidance Note S5.06, December 2004 for waste storage. The assessment shall identify recommendations for improvements along with a timetable for implementation. The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the review. The programme shall be implemented by the Operator from the date of approval in writing by the Agency.	Complete
IC10	The operator shall develop and supply to the Agency a diagram and equipment list showing suitably referenced piping to meet the requirements of indicative BAT standard 62 for waste storage with respect to 2.1.3 of Sector Guidance Note S5.06.	Complete
IC11	The Operator shall develop a written Site Closure Plan having regard to the requirements set out in Section 2.11 of the Agency Guidance Note IPPC S5.06. A written summary of the plan shall be submitted to the Agency for approval.	Complete

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC12	The operator shall review the receipt and treatment of substances listed under the Dangerous Substances Directive (76/464/EEC) and report to the Agency on the quantity of emissions of these materials to sewer, their impact on the receiving waters and the adequacy of controls in place to minimise such emissions, compared to BAT. The assessment of controls shall identify any recommendations for improvements along with a timetable for implementation. The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the review. The programme shall be implemented by the Operator from the date of approval in writing by the Agency.	Complete

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	**Specification**
Gas oil	Sulphur content not exceeding 0.1% by mass
Nutrients	--
Flocculants	--
Chemical dosing agents	--

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
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 hazardous substances				√				√				
01 03 07*	Other wastes containing hazardous substances from physical and chemical processing of metalliferous minerals				√				√				
01 04	**wastes from physical and chemical processing of non-metalliferous minerals**												
01 04 07*	Wastes containing hazardous substances from physical and chemical processing of non-metalliferous minerals				√				√				
01 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 05*	Oil-containing drilling muds and wastes	√	√	√	√		√	√	√		√		
01 05 06*	Drilling muds and other drilling wastes containing hazardous substances				√				√				

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
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 04	Waste plastics (except packaging)				√								
02 01 08*	Agrochemical waste containing hazardous substances				√				√				
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												
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 hazardous substances				√				√				
03 02	**wastes from wood preservation**												
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				√				√				

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
03 02 05*	Other wood preservatives containing hazardous substances				√				√				
04	**Wastes from the leather, fur and textile industries**												
04 01	**wastes from the leather and fur industry**												
04 01 03*	Degreasing wastes containing solvents without a liquid phase				√				√				
04 02	**wastes from the textile industry**												
04 02 14*	Wastes from finishing containing organic solvents				√				√				
04 02 16*	Dyestuffs and pigments containing hazardous substances				√				√				
04 02 19*	Sludges from on-site effluent treatment containing hazardous substances				√				√				
05	**Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal**												
05 01	**wastes from petroleum refining**												
05 01 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 hazardous substances				√				√				

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
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				√				√				

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
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 11*	Solid salts and solutions containing cyanides				√				√				
06 03 13*	Solid salts and solutions containing heavy metals				√				√				
06 03 15*	Metallic oxides containing heavy metals				√				√				
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 hazardous substances	√			√				√				
06 06	**wastes from the MFSU of sulphur chemicals, sulphur chemical processes and desulphurisation processes**												
06 06 02*	Wastes containing hazardous sulphides				√				√				

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
06 07	**wastes from the MFSU of halogens and halogen chemical processes**												
06 07 01*	Wastes containing asbestos from electrolysis				√				√				
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 chlorosilanes				√				√				
06 09	**wastes from the MSFU of phosphorous chemicals and phosphorous chemical processes**												
06 09 03*	Calcium-based reaction wastes containing or contaminated with hazardous substances				√				√				
06 10	**wastes from the MFSU of nitrogen chemicals, nitrogen chemical processes and fertiliser manufacture**												
06 10 02*	Wastes containing hazardous substances				√				√				
06 13	**wastes from inorganic chemical processes not otherwise specified**												
06 13 01*	Inorganic plant protection products, wood-preserving agents and other biocides				√				√				
06 13 02*	Spent activated carbon (except 06 07 02)				√				√				
06 13 04*	Wastes from asbestos processing				√				√				
06 13 05*	Soot				√				√				

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
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 09*	Halogenated filter cakes and spent absorbent				√				√				
07 01 10*	Other filter cakes and spent absorbents				√				√				
07 01 11*	Sludges from on-site effluent treatment containing hazardous substances				√				√				
07 02	**wastes from the MFSU of plastics, synthetic rubber and man-made fibres**												
07 02 01*	aqueous washing liquids and mother liquors			√	√	√	√		√		√		
07 02 03*	Organic halogenated solvents, washing liquids and mother liquor				√				√				
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				√				√				

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
07 02 11*	Sludges from on-site effluent treatment containing hazardous substances				√				√				
07 02 14*	Wastes from additives containing hazardous substances				√				√				
07 02 16*	Wastes containing silicones				√				√				
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 hazardous substances				√				√				
07 04	**wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides**												
07 04 01*	aqueous washing liquids and mother liquors			√	√	√	√		√		√		
07 04 03*	Organic halogenated solvents, washing liquids and mother liquors				√				√				

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
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 hazardous substances				√				√				
07 04 13*	Solid wastes containing hazardous 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 absorbent				√				√				
07 05 10*	Other filter cakes and spent absorbents				√				√				
07 05 11*	Sludges from on-site effluent treatment containing hazardous substances				√				√				
07 05 13*	Solid wastes containing hazardous substances				√				√				
07 06	**wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics**												

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
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 hazardous substances				√				√				
07 07	**wastes from the MFSU of fine chemicals and chemical products not otherwise specified**												
07 07 01*	aqueous washing liquids and mother liquors			√	√	√	√		√		√		
07 07 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 hazardous substances				√				√				

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
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 hazardous substances				√		√		√				
08 01 13*	Sludges from paint or varnish containing organic solvents or other hazardous 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 hazardous substances				√		√		√				
08 01 17*	Wastes from paint or varnish removal containing organic solvents or other hazardous substances				√				√				
08 01 19*	Aqueous suspensions containing paint or varnish containing organic solvents or other hazardous substances				√		√		√				
08 01 21*	Waste paint or varnish remover				√		√		√				
08 02	**wastes from MFSU of other coatings (including ceramic materials)**												
08 02 03	aqueous suspensions containing ceramic materials			√		√	√					√	
08 03	**wastes from MFSU of printing inks**												
08 03 08	aqueous liquid waste containing ink			√		√	√					√	
08 03 12*	Waste ink containing hazardous substances				√		√		√				
08 03 14*	Ink sludges containing hazardous substances				√				√				
08 03 16*	Waste etching solutions				√				√				

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
08 03 17*	Waste printing toner containing hazardous substances				√				√				
08 03 19*	Disperse oil	√	√	√	√		√	√	√		√		
08 04	**wastes from MFSU of adhesives and sealants (including waterproofing products)**												
08 04 09*	Waste adhesives and sealants containing organic solvents or other hazardous substances				√		√		√				
08 04 11*	Adhesive and sealant sludges containing organic solvents or other hazardous substances				√		√		√				
08 04 13*	Aqueous sludges containing adhesives or sealants containing organic solvents or other hazardous substances				√		√		√				
08 04 15*	aqueous liquid waste containing adhesives or sealants containing organic solvents or other hazardous 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 03*	Solvent-based developer solutions				√				√				
09 01 04*	Fixer solutions				√				√				

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
09 01 05*	bleach solutions and bleach fixer solutions			√	√	√	√		√		√		
09 01 06*	Wastes containing silver from on-site treatment of photographic wastes				√				√				
09 01 11*	Single-use cameras containing batteries included in 16 06 01, 16 06 02 or 16 06 03				√				√				
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 04*	Oil fly ash and boiler dust				√				√				
10 01 09*	Sulphuric acid				√				√				
10 01 13*	Fly ash from emulsified hydrocarbons used as fuel				√				√				
10 01 14*	Bottom ash, slag and boiler dust from co-incineration containing hazardous substances				√				√				
10 01 16*	Fly ash from co-incineration containing hazardous substances				√				√				
10 01 18*	wastes from gas cleaning containing hazardous 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 hazardous 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 hazardous substances				√				√				

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
10 01 26	wastes from cooling-water treatment			√		√	√					√	
10 02	**wastes from the iron and steel industry**												
10 02 07*	Solid wastes from gas treatment containing hazardous substances				√				√				
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 hazardous substances				√				√		√		
10 03	**wastes from aluminium thermal metallurgy**												
10 03 04*	Primary production slags				√				√				
10 03 08*	Salt slags from secondary production				√				√				
10 03 09*	Black drosses from secondary production				√				√				
10 03 15*	Skimmings that are flammable or emit, upon contact with water, flammable gases in hazardous quantities				√				√				
10 03 17*	Tar-containing wastes from anode manufacture				√				√				
10 03 19*	Flue-gas dust containing hazardous substances				√				√				
10 03 21*	Other particulates and dust (including ball-mill dust) containing hazardous substances				√				√				
10 03 23*	Solid wastes from gas treatment containing hazardous substances				√				√				
10 03 25*	Sludges and filter cakes from gas treatment containing hazardous substances				√				√				
10 03 27*	Wastes from cooling-water treatment containing oil	√	√	√	√		√	√	√		√		

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
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 hazardous 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 03*	Flue-gas 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			√		√	√					√	

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
10 05 10*	Dross and skimmings that are flammable or emit, upon contact with water, flammable gases in hazardous quantities.				√				√				
10 05 11	Dross and skimmings other than those mentioned in 10 05 10				√								
10 06	**wastes from copper thermal metallurgy**												
10 06 03*	Flue-gas dust				√				√				
10 06 06*	Solid wastes from gas treatment				√				√				
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 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 08*	Salt slag from primary and secondary production				√				√				
10 08 10*	Dross and skimmings that are flammable or emit, upon contact with water, flammable gases in hazardous quantities				√				√				
10 08 12*	Tar-containing wastes from anode manufacture				√				√				
10 08 15*	Flue-gas dust containing hazardous substances				√				√				
10 08 17*	Sludges and filter cakes from flue-gas treatment containing hazardous substances				√				√				

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
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 05*	Casting cores and moulds which have not undergone pouring containing hazardous substances				√				√				
10 09 07*	Casting cores and moulds which have undergone pouring containing hazardous substances				√				√				
10 09 09*	Flue-gas dust containing hazardous substances				√				√				
10 09 11*	Other particulates containing hazardous substances				√				√				
10 09 13*	Waste binders containing hazardous substances				√				√				
10 09 15*	Waste crack-indicating agent containing hazardous substances				√				√				
10 10	**wastes from casting of non-ferrous pieces**												
10 10 05*	Casting cores and moulds which have not undergone pouring, containing hazardous substances				√				√				
10 10 07*	Casting cores and moulds which have undergone pouring, containing hazardous substances				√				√				
10 10 09*	Flue-gas dust containing hazardous substances				√				√				
10 10 11*	Other particulates containing hazardous substances				√				√				
10 10 13*	Waste binders containing hazardous substances				√				√				
10 10 15*	Waste crack-indicating agent containing hazardous substances				√				√				

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
10 11	**wastes from manufacture of glass and glass products**												
10 11 09*	Waste preparation mixture before thermal processing, containing hazardous substances				√				√				
10 11 11*	Waste glass in small particles and glass powder containing heavy metals (for example from cathode ray tubes)				√				√				
10 11 13*	Glass-polishing and –grinding sludge containing hazardous substances				√				√				
10 11 15*	Solid wastes from flue-gas treatment containing hazardous substances				√				√				
10 11 17*	Sludges and filter cakes from flue-gas treatment containing hazardous substances				√				√				
10 11 19*	Solid wastes from on-site effluent treatment containing hazardous substances				√				√				
10 12	**wastes from manufacture of ceramic goods, bricks, tiles and construction products**												
10 12 09*	Solid wastes from gas treatment containing hazardous substances				√				√				
10 12 11*	Wastes from glazing containing heavy metals				√				√				
10 13	**wastes from manufacture of cement, lime and plaster and articles and products made from them**												
10 13 09*	Wastes from asbestos-cement manufacture containing asbestos				√				√				
10 13 12*	Solid wastes from gas treatment containing hazardous substances				√				√				

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
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 05*	Pickling acids				√				√				
11 01 06*	Acids not otherwise specified				√				√				
11 01 07*	Pickling bases				√				√				
11 01 08*	Phosphatising sludges				√				√				
11 01 09*	Sludges and filter cakes containing hazardous substances				√				√				
11 01 11*	aqueous rinsing liquids containing hazardous substances			√	√	√	√		√		√		
11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11			√		√	√					√	
11 01 13*	Degreasing wastes containing hazardous substances				√				√				
11 01 15*	Eluate and sludges from membrane systems or ion exchange systems containing hazardous substances				√				√				
11 01 16*	Saturated or spent ion exchange resins				√				√				
11 01 98*	Other wastes containing hazardous substances	√	√	√	√	√	√	√	√		√		

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
11 02	**wastes from non-ferrous hydrometallurgical processes**												
11 02 02*	Sludges from zinc hydrometallurgy (including jarosite, goethite)				√				√				
11 02 05*	Waste from copper hydrometallurgical processes containing hazardous substances				√				√				
11 02 07*	Other wastes containing hazardous 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 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 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 S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
12 01 14*	Machining sludges containing hazardous substances				√				√				
12 01 16*	Waste blasting material containing hazardous materials				√				√				
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 hazardous substances				√				√				
12 03	**wastes from water and steam degreasing processes (except 11)**												
12 03 01*	aqueous washing liquids			√	√	√	√		√		√		
12 03 02*	steam degreasing wastes			√	√	√	√		√		√		
13	**Oil wastes and wastes of liquid fuels (except edible oils, and those in chapters 05, 12 and 19)**												
13 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	√	√	√	√		√	√	√		√		

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
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				√				√				

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
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				√				√				

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
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 hazardous substances				√				√	√			√
15 01 11*	Metallic packaging containing a hazardous 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 hazardous 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 07*	Oil filters				√				√				
16 01 08*	Components containing mercury				√				√				
16 01 09*	Components containing pcbs				√				√				
16 01 10*	Explosive components (for example air bags)				√				√				
16 01 11*	Brake pads containing asbestos				√				√				
16 01 13*	Brake fluids	√	√	√	√		√	√	√		√		
16 01 14*	Antifreeze fluids containing hazardous substances	√	√	√	√	√	√	√	√		√		

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
16 01 15	antifreeze fluids other than those mentioned in 16 01 14	√	√	√		√	√	√				√	
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 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 15*	Hazardous components removed from discarded equipment				√				√				
16 03	**off-specification batches and unused products**												
16 03 03*	inorganic wastes containing hazardous substances			√	√	√	√		√		√		
16 03 04	inorganic wastes other than those mentioned in 16 03 03			√		√	√					√	
16 03 05*	Organic wastes containing hazardous substance	√	√	√	√	√	√	√	√		√		
16 03 06	organic wastes other than those mentioned in 16 03 05	√	√	√		√	√	√				√	
16 04	**waste explosives**												
16 04 03*	Other waste explosives				√				√				

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
16 05	**gases in pressure containers and discarded chemicals**												
16 05 04*	Gases in pressure containers (including halons) containing hazardous substances				√				√				
16 05 06*	Laboratory chemicals, consisting of or containing hazardous substances, including mixtures of aboratory chemicals				√				√				
16 05 07*	Discarded inorganic chemicals consisting of or containing hazardous substances				√				√				
16 05 08*	Discarded organic chemicals consisting of or containing hazardous substances				√				√				
16 06	**batteries and accumulators**												
16 06 01*	Lead batteries				√				√				
16 06 02*	Ni-Cd batteries				√				√				
16 06 03*	Mercury-containing batteries				√				√				
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 hazardous substances			√	√	√	√		√		√		
16 08	**spent catalysts**												
16 08 02*	Spent catalysts containing hazardous transition metals or hazardous transition metal compounds				√				√				
16 08 05*	Spent catalysts containing phosphoric acid				√				√				
16 08 06*	Spent liquids used as catalysts				√				√				

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
16 08 07*	Spent catalysts contaminated with hazardous 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 hazardous substances			√	√	√	√		√		√		
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01			√		√	√					√	
16 10 03*	aqueous concentrates containing hazardous 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 hazardous substances				√				√				
16 11 03*	Other linings and refractories from metallurgical processes containing hazardous substances				√				√				
16 11 05*	Linings and refractories from non-metallurgical processes containing hazardous substances				√				√				
17	**Construction and demolition wastes (including excavated soil from contaminated sites)**												

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
17 01	**concrete, bricks, tiles and ceramics**												
17 01 06*	Mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing hazardous substances				√				√				
17 02	**wood, glass and plastic**												
17 02 04*	Glass, plastic and wood containing or contaminated with hazardous 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 hazardous substances				√				√				
17 04 10*	Cables containing oil, coal tar and other hazardous substances				√				√				
17 05	**soil (including excavated soil from contaminated sites), stones and dredging spoil**												
17 05 03*	Soil and stones containing hazardous substances				√				√				
17 05 05*	Dredging spoil containing hazardous substances				√				√				
17 05 07*	Track ballast containing hazardous substances				√				√				
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 hazardous substances				√				√				
17 06 05*	Construction materials containing asbestos				√				√				
17 08	**gypsum-based construction material**												

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
17 08 01*	Gypsum-based construction materials contaminated with hazardous substances				√				√				
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 hazardous substances				√				√				
18	**Wastes from human or animal health care and/or related research (except kitchen and restaurant wastes not arising from immediate health care)**												
18 01	**wastes from natal care, diagnosis, treatment or prevention of disease in humans**												
18 01 01	sharps (except 18 01 03)				√								
18 01 03*	Wastes whose collection and disposal is subject to special requirements in order to prevent infection				√				√				
18 01 06*	Chemicals consisting of or containing hazardous substances	√	√	√	√	√	√	√	√		√		
18 01 07	chemicals other than those mentioned in 18 01 06	√	√	√		√	√	√				√	
18 01 08*	cytotoxic and cytostatic medicines				√				√				
18 01 09	medicines other than those mentioned in 18 01 08				√								
18 01 10*	Amalgam waste from dental care				√				√				
18 02	**wastes from research, diagnosis, treatment or prevention of disease involving animals**												
18 02 01	sharps (except 18 02 02)				√								

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
18 02 05*	Chemicals consisting of or containing hazardous substances				√				√				
18 02 06	chemicals other than those mentioned in 18 02 05				√								
18 02 07*	Cytotoxic and cytostatic medicines				√				√				
18 02 08	medicines other than those mentioned in 18 02 07				√								
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 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 hazardous substances				√				√				
19 01 13*	Fly ash containing hazardous substances				√				√				
19 01 15*	Boiler dust containing hazardous substances				√				√				
19 01 17*	Pyrolysis wastes containing hazardous substances				√				√				
19 02	**wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)**												
19 02 04*	Premixed wastes composed of at least one hazardous waste				√				√				
19 02 05*	Sludges from physico/chemical treatment containing hazardous substances				√				√				

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
19 02 07*	Oil and concentrates from separation	√	√	√	√		√	√	√				
19 02 08*	Liquid combustible wastes containing hazardous substance	√	√	√	√		√	√	√		√		
19 02 09*	Solid combustible wastes containing hazardous substances				√				√				
19 02 11*	Other wastes containing hazardous substances				√				√				
19 03	**stabilised/solidified wastes**												
19 03 04*	Wastes marked as hazardous, partly stabilised				√				√				
19 03 06*	Wastes marked as hazardous, solidified				√				√				
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 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 hazardous 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**												

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
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 hazardous substances from biological treatment of industrial waste water				√				√				
19 08 13*	Sludges containing hazardous substances from other treatment of industrial waste water				√				√				
19 09	**wastes from the preparation of water intended for human consumption or water for industrial use**												
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 hazardous substances				√				√				
19 10 05*	Other fractions containing hazardous substances				√				√				
19 11	**wastes from oil regeneration**												
19 11 01*	Spent filter clay				√				√				
19 11 02*	Acid tars				√				√				
19 11 03*	aqueous liquid wastes			√	√	√	√		√		√		
19 11 04*	wastes from cleaning of fuel with bases			√	√	√	√		√		√		

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
19 11 05*	Sludges from on-site effluent treatment containing hazardous substances				√				√				
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 06*	Wood containing hazardous substances				√				√				
19 12 11*	Other wastes (including mixtures of materials) from mechanical treatment of waste containing hazardous substances				√				√				
19 13	**wastes from soil and groundwater remediation**												
19 13 01*	Solid wastes from soil remediation containing hazardous substances				√				√				
19 13 03*	Sludges from soil remediation containing hazardous substances				√				√				
19 13 05*	Sludges from groundwater remediation containing hazardous substances				√				√				
19 13 07*	aqueous liquid wastes and aqueous concentrates from groundwater remediation containing hazardous substances			√	√	√	√		√		√		
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				√				√				

Table S2.2 Permitted waste types and quantities		Column											
Activity		**A1**					**A2 & A3**	**A4**	**A5**	**A6**	**A7**	**A9**	**A10**
Waste code	**Description**	**X1**	**X2**	**X3**	**X4**	**X5**							
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 hazardous substances				√		√		√				
20 01 29*	Detergents containing hazardous substances				√				√				
20 01 31*	Cytotoxic and cytostatic medicines				√				√				
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 35*	Discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components (6)				√				√				
20 01 37*	Wood containing hazardous substances				√				√				
20 01 38	wood other than that mentioned in 20 01 37												
20 03	**other municipal wastes**												
20 03 99	municipal wastes not otherwise specified (for the purposes of this permit, this waste category is restricted to grey water from ships).					√	√						

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (including unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
Point A1 on site plan in Schedule 7	LEV from the hot oil decanter point	VOC total Class B (expressed as carbon)	No limit set	Periodic, minimum 1-hour sampling	Annual	BS EN 13526
		Benzene	No limit set	Periodic, minimum 1-hour sampling	Annual	Sampled according to BS13649 which has been adapted for NIOSH 1501 or other method as agreed with the Environment Agency.
		Xylene	No limit set	Periodic, minimum 1-hour sampling	Annual	Sampled according to BS13649 which has been adapted for NIOSH 1501 or other method as agreed with the Environment Agency.
Point A2 on site plan in Schedule 7	Waste oil heating tank vent	VOC total Class B (expressed as carbon)	No limit set	Periodic, minimum 1-hour sampling	Annual	BS EN 13526
		Benzene	No limit set	Periodic, minimum 1-hour sampling	Annual	Sampled according to BS13649 which has been adapted for NIOSH 1501 or other method as agreed with the Environment Agency.
		Xylene	No limit set	Periodic, minimum 1-hour sampling	Annual	Sampled according to BS13649 which has been adapted for NIOSH 1501 or other method as agreed with the Environment Agency.
Point A3 on site plan in Schedule 7	Gas oil fired boiler. The boiler is attached to a moveable trailer. The	No parameter set	No limit set	--	--	Permanent sampling access not required

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (including unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
	permit does not allow the movement of the trailer.					
Vents from tanks 1S, 2S, 3S, 4S, 5S, 6B, 7B, 8B, 9B, 10B, 11B, 12S, 13S, 14S, 15S, 16S, 17S, 18S, 19S, 20S, 23GO, 24GO, 25GL, 26GL, 27I, 28I, 29I, 30I, 31I, 32I, 33B, 34B, 36A, 37A, 38A, 39A, 42SL, 43SL, 44W, 45W, 46S, 47L, 48S & 49S.	Storage tanks 1S, 2S, 3S, 4S, 5S, 6B, 7B, 8B, 9B, 10B, 11B, 12S, 13S, 14S, 15S, 16S, 17S, 18S, 19S, 20S, 23GO, 24GO, 25GL, 26GL, 27I, 28I, 29I, 30I, 31I, 32I, 33B, 34B, 36A, 37A, 38A, 39A, 42SL, 43SL, 44W, 45W, 46S, 47L, 48S & 49S.	No parameter set	No limit set	--	--	Permanent sampling access not required

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (incl. unit)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method**
W1 on site plan in schedule 7 emission to River Test	Uncontaminated roof and surface water	No parameter set	No limit set	--	--	Permanent sampling access not required

Table S3.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (incl. Unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
S1 on site plan in schedule 7 emission to Southern Water Slowhill Copse Sewage Treatment Works	Site effluent treatment plant	Flow	No limit set	24 hour maximum	Continuous	MCERTS self monitoring of effluent flow scheme
		COD	8,000 mg/l	Periodic spot sample	Every 3 months	BS 6068-2.34:1988 / ISO 6060 BS ISO 15705:2002, BS 6068-2.80:2002 SCA blue book 97 ISBN 0117519154
		Ammoniacal nitrogen	400 mg/l	Periodic spot sample	Every 3 months	BS EN ISO 11732:1997 SCA blue book 48 ISBN 0117516139 BS 6068- 2.33:1987 ISO 7150-2 1986
		Cyanide	1 mg/l	Periodic spot sample	Every 3 months	BS 6068-2.18:1986 BS 6068-2.17:1986 BS EN ISO 14403:2002 BS 6068-2.75:2002 SCA blue book 131 ISBN 0117522198
		Copper	No limit set	Periodic spot sample	Every 3 months	BS 6068-2.29:1987 ISO 8288-1986
		Silver	No limit set	Periodic spot sample	Every 3 months	BS EN ISO 11885:1998 BS 6068-2.60:1998

Schedule 4 – Reporting

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

Table S4.1 Reporting of monitoring data			
Parameter	**Emission or monitoring point/reference**	**Reporting period**	**Period begins**
Emissions to air Parameters as required by condition 3.5.1.	A1, A2	Every 12 months	1 January
Emissions to sewer Parameters as required by condition 3.5.1	S1	Every 6 months	1 January, 1 July

Table S4.2: Annual production/treatment	
Parameter	**Units**
Total waste treated	tonnes

Table S4.3 Performance parameters		
Parameter	**Frequency of assessment**	**Units**
Water usage	Annually	m^3
Specific water usage	Annually	m^3 water / tonne waste treated
Electricity usage	Annually	MWh
Gas oil usage	Annually	Tonnes, MWh
Total energy usage	Annually	MWh energy / tonne waste treated
Raw material usage	Annually	tonnes

Table S4.4 Reporting forms		
Media/parameter	**Reporting format**	**Date of form**
Air	Form Air1 or other form as agreed in writing by the Environment Agency	29/06/2016
Sewer	Form Sewer1 or other form as agreed in writing by the Environment Agency	29/06/2016
Water usage	Form WaterUsage1 or other form as agreed in writing by the Environment Agency	29/06/2016
Energy usage	Form Energy1 or other form as agreed in writing by the Environment Agency	29/06/2016
Other performance indicators	Form Performance1 or other form as agreed in writing by the Environment Agency	29/06/2016
Waste returns	E-waste returns	--

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	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Measures taken, or intended to be taken, to stop the emission	

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

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

Part B – to be submitted as soon as practicable

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

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

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

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

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

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

“disposal” means any of the operations provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council 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 limit.

“emissions to land” includes emissions to groundwater.

“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.

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

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

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

“pests” means Birds, Vermin and Insects.

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

“recovery” means any of the operations provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

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

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

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

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

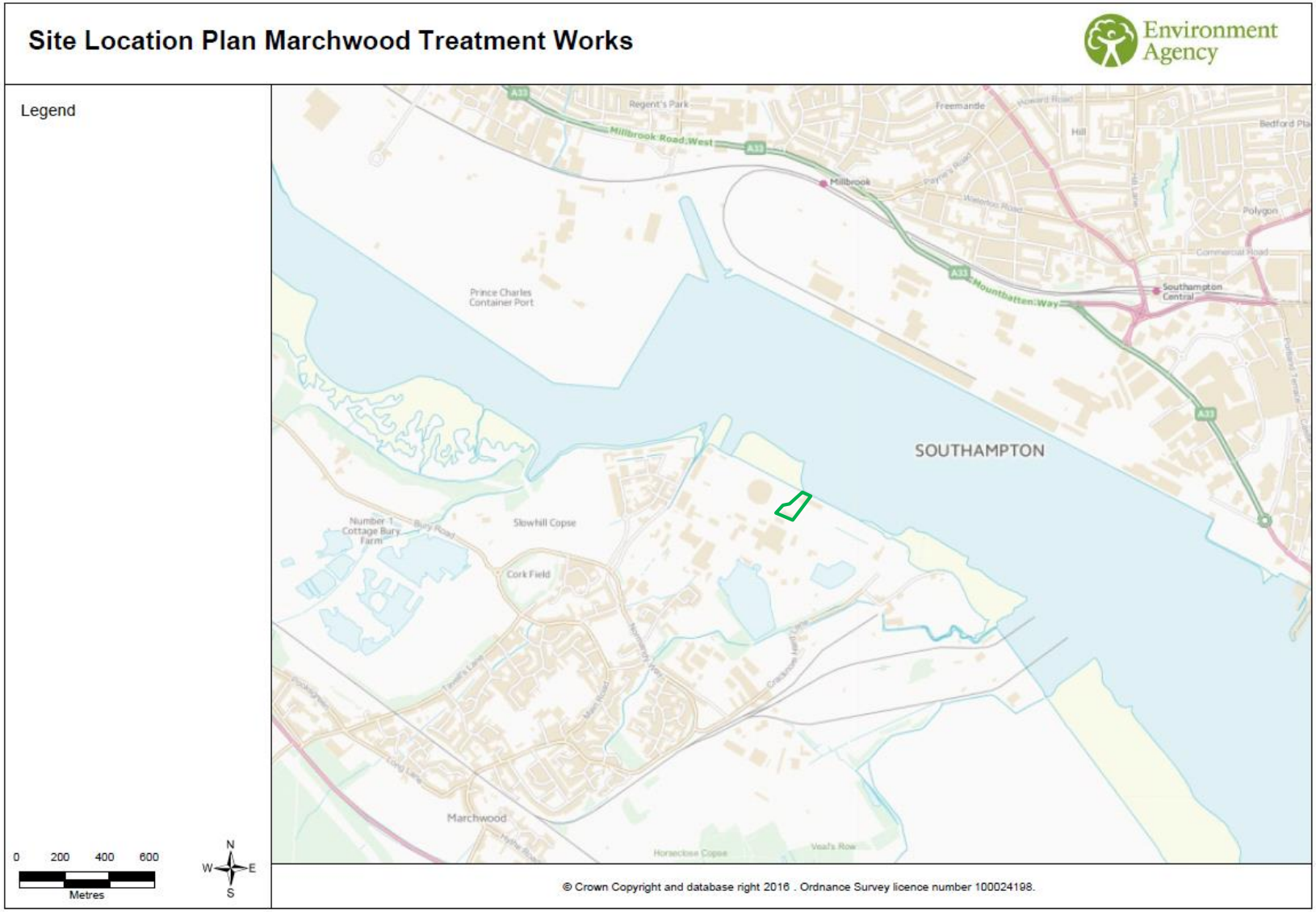
“year” means calendar year ending 31 December.

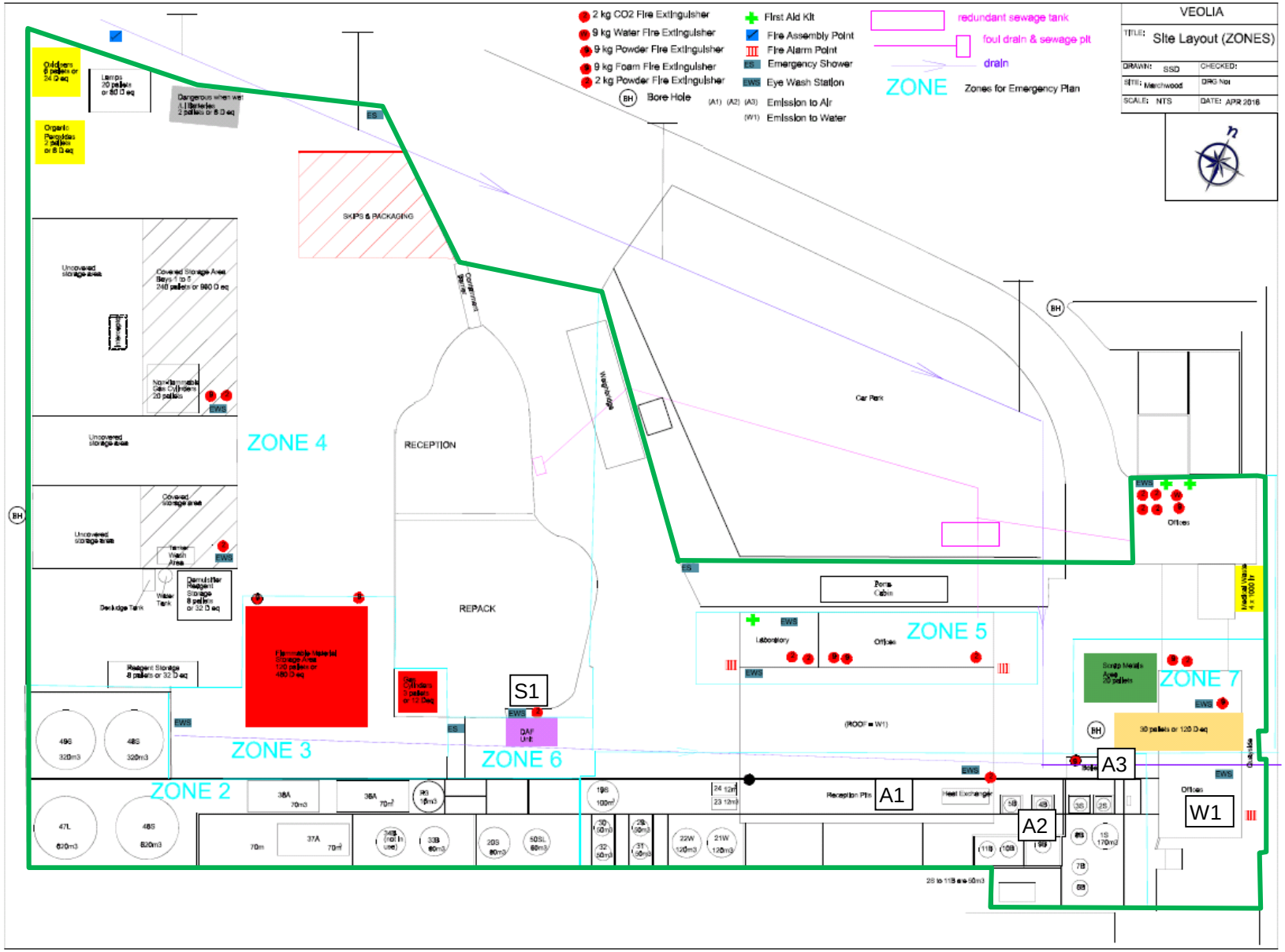
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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

- 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 fuels, 3% or 5% for gaseous fuels, 6% dry for solid fuels; and/or
- in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.

Schedule 7 – Site plan





END OF PERMIT

Permit Number: NP3833UE **Operator: Veolia ES (UK) Limited**

Facility: Marchwood Treatment Works **Form Number: Air1/29/06/2016**

Reporting of emissions to air for the period from DD/MM/YYYY to DD/MM/YYYY

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
A1	VOC total Class B (expressed as carbon)	No limit set	1 hour period		BS EN 13526		
A1	Benzene	No limit set	1 hour period		Sampled according to BS13649 which has been adapted for NIOSH 1501 or other method as agreed with the Environment Agency.		
A1	Xylene	No limit set	1 hour period		Sampled according to BS13649 which has been adapted for NIOSH 1501 or other method as agreed with the Environment Agency.		
A2	VOC total Class B (expressed as carbon)	No limit set	1 hour period		BS EN 13526		
A2	Benzene	No limit set	1 hour period		Sampled according to BS13649 which has been adapted for NIOSH 1501 or other method as agreed with the Environment Agency.		
A2	Xylene	No limit set	1 hour period		Sampled according to BS13649 which has been adapted for NIOSH 1501 or other method as agreed with the Environment Agency.		

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.

[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

[4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed …… Date……..

(Authorised to sign as representative of Operator)

Permit Number: NP3833UE **Operator: Veolia ES (UK) Limited**

Facility: Marchwood Treatment Works **Form Number: Sewer1/29/06/2016**

Reporting of emissions to sewer, effluent treatment plant or other transfer off-site for the period from DD/MM/YYYY to DD/MM/YYYY

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
S1	Flow	No limit set	Continuous		MCERTS self monitoring of effluent flow scheme		
S1	COD	8,000 mg/l	Periodic spot sample		BS 6068-2.34:1988 / ISO 6060 BS ISO 15705:2002, BS 6068-2.80:2002 SCA blue book 97 ISBN 0117519154		
S1	Ammoniacal Nitrogen	400 mg/l	Periodic spot sample		BS EN ISO 11732:1997 SCA blue book 48 ISBN 0117516139 BS 6068- 2.33:1987 ISO 7150-2 1986		
S1	Cyanide	1 mg/l	Periodic spot sample		BS 6068-2.18:1986 BS 6068-2.17:1986 BS EN ISO 14403:2002 BS 6068-2.75:2002 SCA blue book 131 ISBN 0117522198		

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
S1	Copper	No limit set	Periodic spot sample		BS 6068-2.29:1987 ISO 8288-1986		
S1	Silver	No limit set	Periodic spot sample		BS EN ISO 11885:1998 BS 6068-2.60:1998		

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.

[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

[4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed ……. Date……..

(Authorised to sign as representative of Operator)

Permit Number: NP3833UE **Operator: Veolia ES (UK) Limited**

Facility: Marchwood Treatment Works **Form Number: WaterUsage1/29/06/2016**

Reporting of Water Usage for the year

Water Source	Usage (m^3/year)	Specific Usage (m^3/unit output)
Mains water		
River abstraction		
TOTAL WATER USAGE		

Operator's comments:

Signed ……. Date……..

(authorised to sign as representative of Operator)

Permit Number: **NP3833UE** **Operator:** **Veolia ES (UK) Limited**

Facility: **Marchwood Treatment Works** **Form Number:** **Energy1/29/06/2016**

Reporting of Energy Usage for the year

Energy Source	**Energy Usage**		**Specific Usage (MWh/unit output)**
	Quantity	**Primary Energy (MWh)**	
Electricity *	MWh		
Natural Gas	MWh		
Gas Oil	tonnes		
Recovered Fuel Oil	tonnes		
TOTAL	**-**		

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments:

Signed ……. Date……..

(Authorised to sign as representative of Operator)

Permit Number: NP3833UE **Operator: Veolia ES (UK) Limited**

Facility: Marchwood Treatment Works **Form Number: Performance1/29/06/2016**

Reporting of other performance indicators for the period DD/MM/YYYY to DD/MM/YYYY

Parameter	Units
Total waste treated	tonnes

Operator's comments:

Signed ……. Date……..

(Authorised to sign as representative of Operator)