



ENVIRONMENT
AGENCY

Permit with introductory note

Pollution Prevention and Control (England & Wales) Regulations 2000

Stoke Waste Treatment and Transfer Facility

Castle Oils Limited
Castle Environmental
Chemical Lane
Longport
Stoke on Trent
Staffordshire
ST6 4PB

Permit number

LP3337ML

Stoke Waste Treatment and Transfer Facility

Permit Number LP3337ML

Introductory note

This introductory note does not form a part of the permit

The main features of the installation are as follows.

Castle Oils Limited has operated on the installation at Chemical Lane Longport before 1990 when it was acquired by Northern Strip Mining. The business was then acquired by Kenal Services Limited in September 1992, then in February 1998 Hillbridge Investments Limited acquired the business and assets of Kenal Services Limited. The business has traded under the name of Castle Oils since before 1990.

The business has primarily functioned as an oil recycling plant and has evolved its waste management operations over a period of time.

The facility received recognition of its compliance with robust quality and environmental management systems by achieving the internationally recognised and accredited standards of ISO 9000 in February 1997 and ISO 14001 in October 1998

Before the site accepts any waste, it goes through pre-acceptance procedure to ensure that it can be treated and disposed of using onsite or third party facilities. The site does not accept waste for which an appropriate disposal route has not been established in advance.

When material has been approved for treatment, further checks are made on arrival at the Stoke Treatment Facility. Only if the waste matches that agreed will it be offloaded. It is then stored in designated tanks in a bunded area awaiting treatment.

Modelling techniques and analysis are used during processing materials to ensure wastes are treated safely, without harm, pollution of the environment or to the detriment of the amenity value of the locality.

All residues of the treatment process are removed from the site for recycling/reuse or further treatment/disposal through other authorised treatment or disposal routes both on and off site.

Oil water treatment takes place in a tank where the supernatant liquid in the oil/water is pumped out after a period of time during which it has separated. The water is stored in a tank and then centrifuged to remove any residual oil the water is then pumped into a storage tank and blended with landfill leachate to produce a liquid suitable for discharge to sewer under the terms of Severn Trent Water agreement for the discharge of trade effluent to the public foul sewer. The free oil is transferred to heating tanks where it is heated/dewatered and filtered before being stored prior to transfer offsite.

Interceptor waste is pumped into a storage tank where it is allowed to settle off. The oil and water is pumped off and directed to the site oil water treatment plant, the remaining solids are transferred for off site disposal.

Ceramic treatment takes place by material being dewatered in a filter press. Dewatered sludge empties into a skip and is removed to an authorised landfill site. The filtrate is discharged to sewer under the terms of Severn Trent Water consent.

Landfill leachate is transferred into holding tanks prior to discharge under the terms of Severn Trent Water consent.

All discharges to sewer pass through a liquid phase carbon filter. This is the only raw material utilised on site to remove any residual organics.

APC residue treatment plant, uses a two stage 'washing' process to remove the leachable

components in order that the residual APC following treatments meets the specification required for synthetic gypsum, which is used as a setting retardant in Ordinary Portland Cement (OPC) in place of primary sources.

IBC/container washing takes waste containers and removes contamination by washing with water. The container is then reused, recycled or disposed of without contamination by the material it previously held.

Waste storage pending disposal or off site transfer provides the installation the ability to hold wastes. These are delivered in both bulk and container up to an agreed number/quantity for a predetermined period of time.

Wastes stored are kept in such a manner as to ensure they do not chemically interact, leak or spill. Additionally, they are kept for an agreed period of time in a safe and controlled manner with their storage managed through ongoing inspection and stock rotation. Containerised wastes stored in this manner are identified with a unique numeric identifier which is applied to the container on arrival and remains with it until processed or removed from site.

Status Log of the permit

Detail	Date	Response Date
Application LP3337ML	Duly made 23/01/07	
Additional Information Received – new tank additional capacity	17/08/07	
Permit determined	12/10/07	

Other PPC permits relating to this installation

Operator	Permit Number	Date of Issue
OSS Group Limited, Waste Oil Facility (OSS), Stoke-On-Trent	GP3337MJ	15/08/07

Superseded or Partially Superseded Licences/Authorisations/Consents relating to this installation

Holder	Reference Number	Date of Issue	Fully or Partially Superseded
Castle Environmental Limited	2/H/92/0453	23/12/98	Partially Superseded

The waste management licence shall cease to have effect if and to the extent that treatment, keeping or disposal of waste authorised by the licence is authorised by this permit.

Other existing Licences/Authorisations/Registrations relating to this site

Holder	Reference Number	Date of issue
Discharge to sewer	006373V	01/09/06

End of Introductory Note

Permit

Pollution Prevention and Control
(England and Wales) Regulations 2000

Permit

Permit number

LP3337ML

The Environment Agency (the Agency) in exercise of its powers under Regulation 10 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (SI 2000 No 1973) hereby authorises

Castle Oils Limited (“the operator”) trading as Castle Environmental,

whose registered office (or principal office) is

Chemical Lane

Longport

Stoke on Trent

Staffordshire

ST6 4PB

company registration number **1742061**

to operate an installation at

Stoke Waste Treatment and Transfer Facility

Chemical Lane

Longport

Stoke on Trent

Staffordshire

ST6 4PB

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

Signed	Date
	12/10/07

Mr Phil Reynolds Regulatory Team leader (PIR Permitting)

Authorised to sign on behalf of the Agency

Conditions

1 Management

1.1 General management

- 1.1.1 The activities shall be managed and operated:
- (a) in accordance with a management system, which identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents and non-conformances and those drawn to the attention of the operator as a result of complaints; and
 - (b) by sufficient persons who are competent in respect of the responsibilities to be undertaken by them in connection with the operation of the activities.
- 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.

1.2 Accidents that may cause pollution

- 1.2.1 The operator shall:
- (a) maintain and implement an accident management plan;
 - (b) review and record at least every 4 years or as soon as practicable after an accident, (whichever is the earlier) whether changes to the plan should be made;
 - (c) make any appropriate changes to the plan identified by a review.

1.3 Energy efficiency

- 1.3.1 The operator shall:
- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
 - (b) review and record at least every 4 years whether there are suitable opportunities to improve the energy efficiency of the activities; and
 - (c) take any further appropriate measures by a review.

1.4 Efficient use of raw materials

- 1.4.1 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 4 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 appropriate further measures identified by a review.

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

1.5.1. The operator shall:

- (a) take appropriate measures to ensure that waste produced by the activities is avoided or reduced, or where waste is produced it is recovered wherever practicable or otherwise disposed of in a manner which minimises its impact on the environment;
- (b) review and record at least every 4 years whether changes to those measures should be made; and
- (c) take any further appropriate measures identified by a review.

1.6 Site security

1.6.1. Site security measures shall prevent unauthorised access to the site, as far as practicable.

1.7 Multiple operator installations

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

2. Operations

2.1 Permitted activities

- 2.1.1 The operator is authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).
- 2.1.2 Where there are wastes on site that are not subject to this permit then the wastes subject to the activities authorised under condition 2.1.1, shall be clearly identified.

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 2 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 Agency.
- 2.3.2 No raw materials or fuels listed in schedule 3 table S3.1 shall be used unless they comply with the specifications set out in that table.
- 2.3.3 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 3 table(s) S3.2 through to S3.8 ; and
 - (b) it conforms to the description in the documentation supplied by the producer and holder.
 - (c) it is only processed in the activity specified in Table S1.1 of Schedule 1.
- 2.3.4 Records shall be kept of all waste accepted onto the site.
- 2.3.5 The Operator shall ensure that where waste produced at the Permitted Installation(s) is sent to a waste recovery or disposal facility, the facility in question is provided with the following information, prior to receipt of the waste:
- The nature of the process producing the waste
 - The composition of the waste
 - The handling requirements of the waste
 - The hazard classification associated with the waste
 - The waste code of the waste
- 2.3.6 The Operator shall ensure that where waste produced at the Permitted Installation(s) is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.4 Off-site conditions

- 2.4.1 There are no off-site conditions under this section.

2.5 Improvement programme

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

2.6 Pre-operational conditions

- 2.6.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.4A have been completed.

2.7 Closure and decommissioning

- 2.7.1 The operator shall maintain and operate the activities so as to prevent or where that is not practicable, to minimise, any pollution risk on closure and decommissioning.
- 2.7.2 The operator shall maintain a site closure plan which demonstrates how the activities can be decommissioned to avoid any pollution risk and return the site to a satisfactory state.
- 2.7.3 The operator shall carry out and record a review of the site closure plan at least every 4 years.
- 2.7.4 The site closure plan (or relevant part thereof) shall be implemented on final cessation or decommissioning of the activities or part thereof.

2.8 Site protection and monitoring programme

- 2.8.1 The operator shall, within 2 months of the issue of this permit, submit a site protection and monitoring programme.
- 2.8.2 The operator shall implement and maintain the site protection and monitoring programme and shall carry out and record a review of it at least every 4 years.

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 4 tables S4.1, S4.2 and S4.3.

3.1.2 The limits given in schedule 4 shall not be exceeded.

3.2 Transfers off-site

3.2.1 Records of all the wastes sent off site from the activities, for either disposal or recovery, shall be maintained.

3.3 Fugitive emissions of substances

3.3.1 Fugitive emissions of substances (excluding odour, noise and vibration) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including those specified in schedule 1 table S1.5, have been taken to prevent or where that is not practicable, to minimise, those emissions.

3.3.2 All liquids, 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.

3.4 Odour

3.4.1 Emissions from the activities shall be free from odour at levels likely to cause annoyance outside the site, as perceived by an authorised officer of the Agency, unless the operator has used appropriate measures to prevent or where that is not practicable to minimise the odour.

3.5 Noise and vibration

3.5.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause annoyance outside the site, as perceived by an authorised officer of the Agency, unless the operator has used appropriate measures to prevent or where that is not practicable to minimise the noise and vibration.

3.6 Monitoring

3.6.1 The operator shall, unless otherwise agreed in writing by the Agency, undertake monitoring for the parameters, at the locations and at not less than the frequencies specified in the following tables in schedule 4 to this permit:

- (a) point source emissions specified in tables S4.1, S4.2 and S4.3;

- 3.6.2 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.
- 3.6.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.6.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate) unless otherwise agreed in writing by the Agency.
- 3.6.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 4 tables S4.1, S4.2 and S4.3 unless otherwise specified in that schedule.
- 3.6.5 Within 6 months of the issue of this permit (unless otherwise agreed in writing by the Agency) the site reference data identified in the site protection and monitoring programme shall be collected and submitted to the 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 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) the site protection and monitoring programme.

4.1.2 Any records required to be made by this permit shall be supplied to the Agency within 14 days where the records have been requested in writing by the Agency.

4.1.3 All records required to be held by this permit shall be held on the installation [on-site] and shall be available for inspection by the Agency at any reasonable time.

4.2 Reporting

4.2.1 A report or reports on the performance of the activities over the previous year shall be submitted to the Agency by 31 January (or other date agreed in writing by the 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 this permit against the relevant assumptions, parameters and results in the assessment of the impact of the emissions submitted with the application;
- (b) where the operator's management system encompasses annual improvement targets, a summary report of the previous year's progress against such targets;
- (c) the annual production /treatment data set out in schedule 5 table S5.2;
- (d) the performance parameters set out in schedule 5 table S5.3 using the forms specified in table S5.4 of that schedule; and
- (e) details of any contamination or decontamination of the site which has occurred.

4.2.2 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the 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 5 table S5.1;
- (b) for the reporting periods specified in schedule 5 table S5.1 and using the forms specified in schedule 5 table S5.4 ; and

- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.3 A summary report of the waste types and quantities accepted and removed from the site shall be made for each quarter. It shall be submitted to the Agency within one month of the end of the quarter and shall be in the format required by the Agency.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding 4 years, submit to the Agency, within 6 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 All reports and notifications required by the permit shall be sent to the Agency using the contact details supplied in writing by the Agency
- 4.2.6 The results of reviews and any changes made to the site protection and monitoring programme shall be reported to the Agency, within 1 month of the review or change.

4.3 Notifications

- 4.3.1 The Agency shall be notified without delay following the detection of:
 - (a) any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission which has caused, is causing or may cause significant pollution;
 - (b) the breach of a limit specified in the permit;
 - (c) any significant adverse environmental effects.
- 4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 6 to this permit within the time period specified in that schedule.
- 4.3.3 Prior written notification shall be given to the Agency of the following events and in the specified timescales:
 - (a) as soon as practicable prior to the permanent cessation of any of the activities;
 - (b) cessation of operation of part or all of the activities for a period likely to exceed 1 year; and
 - (c) resumption of the operation of part or all of the activities after a cessation notified under (b) above.
- 4.3.4 The Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.
- 4.3.5 Where the 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 Agency when the relevant monitoring is to take place. The operator shall provide this information to the Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.6 The Agency shall be notified within 7 days of any changes in technically competent management and the name of any incoming person together with evidence that such person has the required technical competence.

- 4.3.7 The Agency shall be provided, within 14 days of the operator or any relevant person being convicted of a relevant offence, (unless such information has already been notified to the Agency), with details of the nature of the offence, the place and date of conviction, and the sentence imposed.
- 4.3.8 The Agency shall be notified within 14 days of the operator and/or any relevant person lodging an appeal against a conviction for any relevant offence and of the outcome when the appeal is decided.
- 4.3.9 The Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:
- (a) any change in the operator's trading name, registered name or registered office address;
 - (b) any change to particulars of the operator's ultimate holding company (including details of an ultimate holding company where an operator has become a subsidiary); and
 - (c) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

4.4 Interpretation

- 4.4.1 In this permit the expressions listed in schedule 7 shall have the meaning given in that schedule.

Schedule 1 - Operations

Table S1.1 activities		
Activity listed in Schedule 1 of the PPC Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
S5.3 A1 (a) – The disposal of hazardous waste – Processing of ceramic sludge by filter press	D15 – Storage of ceramic waste pending processing by filter press	Waste types to be as specified in Schedule 3 table S3.2.
	D9 – Processing of ceramic sludge by filter press	<p>The waste treatment and transfer areas are referred to in Figure 3 in the ASR CAS/ST/01-07/13310 as areas A, B, C, D, E, 46, 48, and 49.</p> <p>Area A comprises two sludge lagoons for pottery waste and an aqueous transfer lagoon.</p> <p>Area B comprises oil-water reception tanks, four chamber interceptor and tanks for the storage of oil free water prior to discharge to sewer</p> <p>Area C comprises oil-water reception, storage and process tanks</p> <p>Area D comprises oil storage tanks together with leachate reception and storage tanks</p> <p>Area E comprises the main site yard area</p> <p>Centrifuge is located in workshop at location 40.</p>
S5.3 A1 (a) – The disposal of hazardous waste – APC treatment process	D15 – Storage pending D09 in the APC Treatment Process	Waste types to be as specified in Schedule 3 table S3.3.
	D9 – Physico chemical treatment in APC Treatment Process include storage of residues	<p>The waste treatment and transfer areas are referred to in Figure 3 in the ASR CAS/ST/01-07/13310 as areas A, B, C, D, E, 46, 48, and 49.</p> <p>Area A comprises two sludge lagoons for pottery waste and an aqueous transfer lagoon.</p> <p>Area B comprises oil-water reception tanks, four chamber interceptor and tanks for the storage of oil free water prior to discharge to sewer</p> <p>Area C comprises oil-water reception, storage and process tanks</p> <p>Area D comprises oil storage tanks together with leachate reception and storage tanks</p> <p>Area E comprises the main site yard area</p> <p>Centrifuge is located in workshop at location 40</p>

Table S1.1 activities		
Activity listed in Schedule 1 of the PPC Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
S5.3 A1 (a) - The disposal of hazardous waste - storage of hazardous waste for transfer only.	D15 - Storage on site of hazardous waste awaiting transfer.	<p>Waste types to be as specified in Schedule 3 table S3.6 The waste treatment and transfer areas are referred to in Figure 3 in the ASR CAS/ST/01-07/13310 as areas A, B, C, D, E, 46, 48, and 49.</p> <p>Area A comprises two sludge lagoons for pottery waste and an aqueous transfer lagoon. Area B comprises oil-water reception tanks, four chamber interceptor and tanks for the storage of oil free water prior to discharge to sewer Area C comprises oil-water reception, storage and process tanks Area D comprises oil storage tanks together with leachate reception and storage tanks Area E comprises the main site yard area Centrifuge is located in workshop at location 40</p>
S5.3 A (1) (b) - The disposal of waste oils - oil separation	<p>R13 - Storage of wastes pending separation</p> <p>R3 - Phase separation including storage of wastes from separation</p>	<p>Waste types to be as specified in Schedule 3 Tables S3.4 and S3.5 to dispatch of waste oil</p> <p>The waste treatment and transfer areas are referred to in Figure 3 in the ASR CAS/ST/01-07/13310 as areas A, B, C, D, E, 46, 48, and 49.</p> <p>Area A comprises two sludge lagoons for pottery waste and an aqueous transfer lagoon. Area B comprises oil-water reception tanks, four chamber interceptor and tanks for the storage of oil free water prior to discharge to sewer Area C comprises oil-water reception, storage and process tanks Area D comprises oil storage tanks together with leachate reception and storage tanks Area E comprises the main site yard area Centrifuge is located in workshop at location 40</p>

Table S1.1 activities		
Activity listed in Schedule 1 of the PPC Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
S5.4 A (1) c (iii) – “Recovering of hazardous waste - APC treatment process.	R5 – recycling / reclamation of other inorganic compounds in the APC Treatment Process & storage of residues	<p>Waste types to be as specified in Schedule 3 table S3.3. The waste treatment and transfer areas are referred to in Figure 3 in the ASR CAS/ST/01-07/13310 as areas A, B, C, D, E, 46, 48, and 49.</p> <p>Area A comprises two sludge lagoons for pottery waste and an aqueous transfer lagoon. Area B comprises oil-water reception tanks, four chamber interceptor and tanks for the storage of oil free water prior to discharge to sewer Area C comprises oil-water reception, storage and process tanks Area D comprises oil storage tanks together with leachate reception and storage tanks Area E comprises the main site yard area Centrifuge is located in workshop at location 40</p>
S5.3 A(1) c(ii) – “Disposal of non-hazardous waste – processing of ceramic sludge by filter press	D9 – Processing of ceramic sludge by filter press	<p>Waste types to be as specified in Schedule 3 table S3.2</p> <p>The waste treatment and transfer areas are referred to in Figure 3 in the ASR CAS/ST/01-07/13310 as areas A, B, C, D, E, 46, 48, and 49.</p> <p>Area A comprises two sludge lagoons for pottery waste and an aqueous transfer lagoon. Area B comprises oil-water reception tanks, four chamber interceptor and tanks for the storage of oil free water prior to discharge to sewer Area C comprises oil-water reception, storage and process tanks Area D comprises oil storage tanks together with leachate reception and storage tanks Area E comprises the main site yard area Centrifuge is located in workshop at location 40</p>

Directly Associated Activities		
Storage of hazardous wastes for recovery	R13 – Storage of hazardous waste pending R5 in the APC treatment process	<p>Waste types to be as specified in Schedule 3 table S3.2. The waste treatment and transfer areas are referred to in Figure 3 in the ASR CAS/ST/01-07/13310 as areas A, B, C, D, E, 46, 48, and 49.</p> <p>Area A comprises two sludge lagoons for pottery waste and an aqueous transfer lagoon. Area B comprises oil-water reception tanks, four chamber interceptor and tanks for the storage of oil free water prior to discharge to sewer Area C comprises oil-water reception, storage and process tanks Area D comprises oil storage tanks together with leachate reception and storage tanks Area E comprises the main site yard area Centrifuge is located in workshop at location 40</p>
Blending of non hazardous effluents from the listed activities	D13 – Blending effluents	<p>Waste types to be as specified in Schedule 3 table S3.8.</p> <p>The waste treatment and transfer areas are referred to in Figure 3 in the ASR CAS/ST/01-07/13310 as areas A, B, C, D, E, 46, 48, and 49.</p> <p>Area A comprises two sludge lagoons for pottery waste and an aqueous transfer lagoon. Area B comprises oil-water reception tanks, four chamber interceptor and tanks for the storage of oil free water prior to discharge to sewer Area C comprises oil-water reception, storage and process tanks Area D comprises oil storage tanks together with leachate reception and storage tanks Area E comprises the main site yard area Centrifuge is located in workshop at location 40</p>
Storage of non hazardous wastes	<p>D15 – storage of non hazardous ceramic sludge pending processing by filter press.</p> <p>Including tanker storage dig out.</p>	Waste types to be as specified in Schedule 3 table S3.2.

Directly Associated Activities (cont)		
Discharge to sewer	D6 - Release to sewer from blending of aqueous wastes	<p>Discharge to sewer of effluent from listed activities.</p> <p>The waste treatment and transfer areas are referred to in Figure 3 in the ASR CAS/ST/01-07/13310 as areas A, B, C, D, E, 46, 48, and 49.</p> <p>Area A comprises two sludge lagoons for pottery waste and an aqueous transfer lagoon.</p> <p>Area B comprises oil-water reception tanks, four chamber interceptor and tanks for the storage of oil free water prior to discharge to sewer</p> <p>Area C comprises oil-water reception, storage and process tanks</p> <p>Area D comprises oil storage tanks together with leachate reception and storage tanks</p> <p>Area E comprises the main site yard area</p> <p>Centrifuge is located in workshop at location 40</p>
IBC Washing	Aqueous effluent arising from the washing of IBC's from the waste storage and treatment operations	<p>Waste types to be as specified in Schedule 3 table S3.7.</p> <p>The waste treatment and transfer areas are referred to in Figure 3 in the ASR CAS/ST/01-07/13310 as areas A, B, C, D, E, 46, 48, and 49.</p> <p>Area A comprises two sludge lagoons for pottery waste and an aqueous transfer lagoon.</p> <p>Area B comprises oil-water reception tanks, four chamber interceptor and tanks for the storage of oil free water prior to discharge to sewer</p> <p>Area C comprises oil-water reception, storage and process tanks</p> <p>Area D comprises oil storage tanks together with leachate reception and storage tanks</p> <p>Area E comprises the main site yard area</p> <p>Centrifuge is located in workshop at location 40</p>
Fuel Storage	Storage of LPG used for heating in waste oil activity	Figure 3 in the ASR CAS/ST/01-07/13310 Stored in area 43,44,and 45
Surface Water Treatment	Blending of surface water with other aqueous waste prior to disposal to sewer.	
Operation of Gas Fired Heating Appliance for heating oil.	LPG heating system used to process waste oil listed activity	

Table S1.2 Operating techniques

Description	Parts	Date Received
Application	The response to section 2.1 and 2.2 in the Application.	23-01-07
Receipt of additional information to the application	Information and drawing submitted on 17-08-07 detailing the new installation of tanks increasing site capacity from 598m ³ to 792m ³ .	17-08-07

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC1	The Operator shall review the environmental management system, having regard to Environment Agency Sector Guidance Note IPPC S5.06 Section 2.3. A written report summarising the review and any necessary improvements shall be submitted to the Environment Agency. The report shall include timescales for the Operator to implement the improvements	Within 6 months of permit issue (30/04/08)
IC2	The operator shall carry out an assessment of the measures that are in place to reduce the risk of a pollution incident caused by firewater. The review shall include: <ul style="list-style-type: none"> ➤ 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 firewater A written report summarising the assessment and any necessary improvements shall be submitted to the Environment Agency. The report shall include timescales for the Operator to implement the improvements	Within 3 months of permit issue (31/01/08)
IC3	The operator shall carry an Energy Review (including an Energy Efficiency Audit) having regard to Environment Agency Sector Guidance Note IPPC S5.06 Section 2.7. A written summary of the review, including proposals for improvements, together with a timescale for implementation, shall be submitted to the Agency for approval.	Within 12 months of issue (31/10/08)
IC4	As part of the waste acceptance and dispatch procedures the operator shall produce and implement written procedures that accord with section 2.1.3 of SGN S5.06, December 04 to ensure that waste storage tanks and associated bunds are inspected prior to unloading and loading and a written record of the inspections are kept. The procedure shall also include <ul style="list-style-type: none"> • Measures to notify the operator of the remaining part of the installation of any damage, deterioration or leakage to these storage areas A copy of this procedure to be submitted to the Agency.	Within 3 months of permit issue (31/01/08)
IC5	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 m ³ (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 m ³ (ISBN: 0 86017 476X). The review shall include: <ul style="list-style-type: none"> ▪ the physical condition of the bunds, ▪ 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, and ▪ suggested preventative maintenance & inspection regime. A written report of the review shall be submitted to the Environment Agency detailing the reviews 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.	Within 3 months of permit issue (31/01/08) Within 9 months of permit issue (31/07/08)

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC6	<p>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. 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 reviews findings and recommendations.</p> <p>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.</p>	<p>Within 3 months of permit issue (31/01/08)</p> <p>Within 9 months of permit issue (31/07/08)</p>
IC7	The Operator shall develop a written site closure plan, having regard to the Environment Agency Sector Guidance Note IPPC S5.06 Section 2.11. Upon completion of the plan a summary of the document shall be submitted to the Agency in writing.	Within 6 months of permit issue (30/04/08)
IC8	The Operator shall conduct a survey of all emissions to air, including fugitive releases, to ensure that all emissions have been identified and characterised, in terms of emission parameters and quantified releases, having regard to Environment Agency Sector Guidance Note IPPC S5.06 Section 2.10. Releases shall be characterised by monitoring, where appropriate, and monitoring methods shall be agreed in advance with the Agency. A written report shall be submitted to the Agency for approval which takes account of all previously uncharacterized release points and identifies appropriate improvements with a timetable for their implementation.	Within 3 months of permit issue (31/01/08)
IC9	The Operator shall submit a revised environmental impact assessment which evaluates the potential for impact arising from the release of Class A VOCs, Class B VOCs, ammonia and hydrogen sulphide from the installation, using the Agency's H1 tool (or other equivalent assessment tool used with the written agreement of the Agency), using the results of the monitoring programme required by Improvement Condition IC8 above. An electronic copy of the H1 assessment (or other equivalent assessment tool used with the written agreement of the Agency) shall be submitted to the Agency.	3 months after completion of IC8 above (30/04/08)
IC10	The operator shall assess the options for capture and abatement of emissions from oil storage tank vents and manways, having regard to Environment Agency Sector Guidance Note IPPC S5.06 Section 2.2.1. A written report shall be submitted to the Agency for approval which sets out the proposals and justifications, together with a timetable for their implementation.	Within 18 months of permit issue (30/04/09)
IC11	The Operator shall produce and implement written procedures (and any amendments to them) that accord with section 2.1.1 of Sector Guidance Note S5.06, December 2004, to assess waste prior to acceptance on the site.	Within 3 months of permit issue (31/01/08)

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC12	The Operator shall produce and implement written procedures (and any amendments to them) that accord with section 2.1.3 of Sector Guidance Note S5.06, December 2004. Upon completion of the IC a summary of the documents shall be submitted to the Agency in writing.	Within 3 months of permit issue (31/01/08).
IC13	<p>The Operator shall examine the discharge of Cadmium, Chromium, Copper, Fluoride, Formaldehyde, Lead, Phenol, Sulphate, Sulphide, Tributyl Tin, Trichlorobenzene, Triphenyl Tin, Zinc from the installation to sewer and shall complete an investigation into potential mechanisms for reducing the daily load of Cadmium, Chromium, Copper, Fluoride, Formaldehyde, Lead, Phenol, Sulphate, Sulphide, Tributyl Tin, Trichlorobenzene, Triphenyl Tin, Zinc in the final effluent discharge.</p> <p>The Operator shall provide the Agency with a written report that assesses the environmental and economic viability of the options available, and shall implement identified improvements to a timetable agreed in writing with the Agency.</p>	Within 18 months of permit issue (30/04/09).
IC14	<p>The operator shall provide and maintain monitoring of effluent flow to sewer to the MCERTS standard.</p> <p>A copy of the first MCERTS site conformity inspection certificate shall be submitted to the Environment Agency</p>	Within 12 months of permit issue (31/10/08)

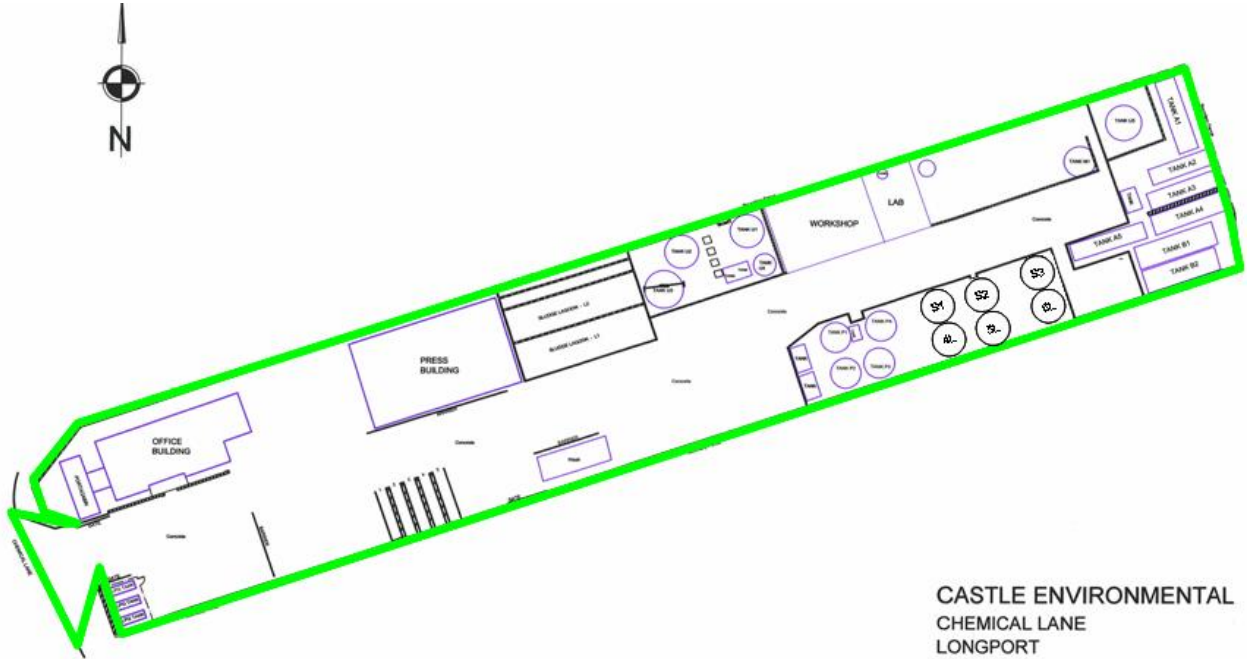
Table S1.4A Pre-operational measures

Reference	Pre-operational measures
1	At least 2 weeks before operation the operator shall submit a report demonstrating that the necessary procedures are in place for the operation of new tanks S1, S2, S3, 4L, 5L, 6L.
2	<p>The operator shall ensure that the design, method of construction and integrity of all bunds surrounding above new tanks S1, S2, S3, 4L, 5L, 6L be carried out by a qualified structural engineer.</p> <p>This ensure the existing bunds for S1, S2, S3, 4L, 5L, 6L tanks meet 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) prior to use.</p> <p>Action shall be taken to ensure all bunds meet the standards set out in the above documents and implement the maintenance and inspection regime prior to the operation of the tanks S1, S2, S3, 4L, 5L, 6L tanks.</p> <p>At least 2 weeks before operation the operator shall submit a report to the Agency demonstrating that the above standards have been met.</p>
3	<p>The Operator shall ensure the integrity of S1, S2, S3, 4L, 5L, 6L tanks 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 prior to the use of the bunds.</p> <p>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 reviews findings and recommendations.</p> <p>Action shall be taken to ensure all tanks meet the standards set out in the above documents and implement the maintenance and inspection regime prior to the operation of the tanks S1, S2, S3, 4L, 5L, 6L tanks.</p> <p>At least 2 weeks before operation the operator shall submit a report to the Agency demonstrating that the above standards have been met.</p>
4	Prior to the increasing production in the APC residue plant (over 10 t/day) the operator shall submit finalised plans of the plant layout and operational procedures for approval to the Agency.
5	At least 2 weeks before operation of the APC residue plant (over 10t/day) the operator shall submit a report to the Agency demonstrating the plant meets the requirements of Environment Agency Sector Guidance Note IPPC S5.06 standards.
6	The Operator shall produce and implement written procedures (and any amendments to them) for acceptance of laboratory smalls EWC 16 05 06* that accord with waste acceptance of Sector Guidance Note S5.06, December 2004. The operator shall submit the procedure to the Agency demonstrating that the above standards have been met prior to accepting 16 05 06* wastes onsite.
7	Prior to the acceptance of the following wastes 19 11 05*, 19 11 06, 19 13 03* 19 13 04, 19 13 05* & 19 13 06 into the high solid ceramic waste plant the Operator shall submit a revised environmental impact assessment to sewer which evaluates the potential for impact arising from accepting these wastes, using the Agency's H1 tool (or other equivalent assessment tool used with the written agreement of the Agency). An electronic copy of the H1 assessment (or other equivalent assessment tool used with the written agreement of the Agency) shall be submitted to the Agency. The Operator shall produce and implement written procedures (and any amendments to them) for acceptance of these waste that accord with the Sector Guidance Note S5.06, December 2004.

Table S1.5 Appropriate measures for fugitive emissions

Measure	Dates
A fugitive emission management plan shall be submitted to the Agency, detailing the measures to be used to control fugitives emissions and shall be accordance with section 2.2.4 of Sector Guidance Note S5.06, December 2004.	Within 12 months of permit issue (31/10/08)
The plan shall be implemented by the operator within 3 months from the date of approval in writing by the Agency.	

Schedule 2 - Site plan



CASTLE ENVIRONMENTAL
CHEMICAL LANE
LONGPORT
STOKE-ON-TRENT
STAFFORDSHIRE
ST6 4PB

SITE PLAN
Scale 1 / 400 (at A3)
Site Area 0.37Hectares

Schedule 3 - Waste types, raw materials and fuels

Table S3.1 Raw materials and fuels

Raw materials and fuel description	Specification
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Table S3.2 Permitted waste types and quantities for High Solid Waste Ceramic Treatment System including DAA	
Waste codes	300 tonnes per day
EWC Code	Description
01 01 01	Wastes from mineral metalliferous excavation
01 01 02	Wastes from mineral non-metalliferous excavation
01 03 05*	Other tailings containing dangerous substances
01 03 06	Tailings other than those mentioned in 01 03 04 and 01 03 05
01 03 07*	Other wastes containing dangerous substances from physical and chemical processing of metalliferous minerals.
01 04 07*	Wastes containing dangerous substances from physical and chemical processing of non-metalliferous minerals
01 04 08	Waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	Waste sand and clays
01 04 12	Tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11
01 04 13	Wastes from stone cutting and sawing other than those mentioned in 01 04 07
01 05 04	Freshwater drilling muds and wastes
01 05 06*	Drilling muds and other drilling wastes containing dangerous substances
01 05 07	Barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
01 05 08	Chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
02 01 01	Sludges from washing and cleaning
02 02 01	Sludges from washing and cleaning
02 02 04	Sludges from on-site effluent treatment
02 03 01	Sludges from washing, cleaning, peeling, centrifuging and separation
02 03 05	Sludges from on-site effluent treatment
02 04 01	Soil from cleaning and washing beet
02 04 03	Sludges from on-site effluent treatment
02 05 02	Sludges from on-site effluent treatment
02 07 05	Sludges from on-site effluent treatment
03 03 09	Lime mud waste
03 03 11	Sludges from on-site effluent treatment other than those mentioned in 03 03 10
05 01 09*	Sludges from on-site effluent treatment containing dangerous substances
05 01 10	Sludges from on-site effluent treatment other than those mentioned in 05 01 09
06 03 13*	Solid salts and solutions containing heavy metals
06 03 14	Solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13
06 04 03*	Wastes containing arsenic
06 04 04*	Wastes containing mercury
06 04 05*	Wastes containing other heavy metals
06 05 02*	Sludges from on-site effluent treatment containing dangerous substances
06 05 03	Sludges from on-site effluent treatment other than those mentioned in 06 05 02
07 01 11*	Sludges from on-site effluent treatment containing dangerous substances
07 01 12	Sludges from on-site effluent treatment other than those mentioned in 07 01 11
07 02 11*	Sludges from on-site effluent treatment containing dangerous substances
07 02 12	Sludges from on-site effluent treatment other than those mentioned in 07 02 11
07 03 12	Sludges from on-site effluent treatment other than those mentioned in 07 03 11
07 04 11*	Sludges from on-site effluent treatment containing dangerous substances
07 04 12	Sludges from on-site effluent treatment other than those mentioned in 07 03 11
07 05 11*	Sludges from on-site effluent treatment containing dangerous substances

Table S3.2 Permitted waste types and quantities for High Solid Waste Ceramic Treatment System including DAA

Waste codes	300 tonnes per day
EWC Code	Description
07 05 12	Sludges from on-site effluent treatment other than those mentioned in 07 05 11
07 06 11*	Sludges from on-site effluent treatment containing dangerous substances
07 06 12	Sludges from on-site effluent treatment other than those mentioned in 07 06 11
07 07 11*	Sludges from on-site effluent treatment containing dangerous substances
07 07 12	Sludges from on-site effluent treatment other than those mentioned in 07 07 11
08 01 19*	Aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances
08 01 20	Aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
08 02 01	Waste coating powders
08 02 02	Aqueous sludges containing ceramic materials
08 02 03	Aqueous suspensions containing ceramic materials
08 03 07	Aqueous sludges containing ink
08 03 08	Aqueous liquid waste containing ink
08 03 14*	Ink sludges containing dangerous substances
08 03 15	Ink sludges other than those mentioned in 08 03 14
10 01 18*	Wastes from gas cleaning containing dangerous substances
10 01 19	Wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
10 01 20*	Sludges from on-site effluent treatment containing dangerous substances
10 01 21	Sludges from on-site effluent treatment other than those mentioned in 10 01 20
10 03 25*	Sludges and filter cakes from gas treatment containing dangerous substances.
10 03 26	Sludges and filter cakes from gas treatment other than those mentioned in 10 02 25
10 04 07*	Sludges and filter cakes from gas treatment
10 06 07*	Sludges and filter cakes from gas treatment
10 07 05	Sludges and filter cakes from gas treatment
10 08 17*	Sludges and filter cakes from flue-gas treatment containing dangerous substances
10 08 18	Sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17
10 11 17*	Sludges and filter cake from flue-gas treatment containing dangerous substances
10 11 18	Sludges and filter cake from flue-gas treatment other than those mentioned in 10 11 17
10 11 19*	Solids from on-site effluent treatment containing dangerous substances
10 11 20	Solids from on-site effluent treatment other than those mentioned in 07 03 11
10 12 01	Waste preparation mixture before thermal processing
10 12 03	Particulates and dust
10 12 05	Sludges and filter cakes from gas treatment
10 12 08	Waste ceramics, bricks, tiles and construction products (after thermal processing)
10 12 11*	Wastes from glazing containing heavy metals
10 12 12	Wastes from glazing other than those mentioned in 10 12 11
10 12 13	Sludge from on-site effluent treatment
10 13 01	Waste preparation mixture before thermal processing
10 13 04	Wastes from calcination and hydration of lime
10 13 07	Sludges and filter cakes from gas treatment
10 13 14	Waste concrete and concrete sludge
11 01 08*	Phosphatising sludges
11 01 09*	Sludges and filter cakes containing dangerous substances
11 01 10	Sludges and filter cakes other than those mentioned in 11 01 09
11 01 98*	Other wastes containing dangerous substances
11 02 02*	Sludges from zinc hydrometallurgy

Table S3.2 Permitted waste types and quantities for High Solid Waste Ceramic Treatment System including DAA	
Waste codes	300 tonnes per day
EWC Code	Description
11 02 03	Wastes from the production of anodes for aqueous electrolytical processes
11 02 05*	Wastes from copper hydrometallurgical processes containing dangerous substances
11 02 06	Wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
11 02 07*	Other wastes containing dangerous substances
11 03 02*	Other wastes
16 03 03*	Inorganic wastes containing dangerous substances
16 03 04	Inorganic wastes other than those mentioned in 16 03 03
17 05 05*	Dredging spoil containing dangerous substances
17 05 06	Dredging spoil other than those mentioned in 17 05 05
17 05 07*	Dredging spoils containing dangerous substances
17 05 08	Dredging spoils other than those mentioned in 17 05 07
19 11 05*	Sludges from on-site effluent treatment containing dangerous substances
19 11 06	Sludges from on-site effluent treatment other than those mentioned in 19 11 05
19 13 03*	Sludges from soil remediation containing dangerous substances
19 13 04	Sludges from soil remediation waste other than those mentioned in 19 13 03
19 13 05*	Sludges from groundwater remediation containing dangerous substances
19 13 06	Sludges from groundwater remediation waste other than those mentioned in 19 13 05

Table S3.3 Permitted waste types and quantities for APC Treatment Process including DAA.

Waste codes	750 tonnes per day
EWC Code	Description
01 01 01	Wastes from mineral metalliferous excavation
01 01 02	Wastes from mineral non-metalliferous excavation
01 03 06	Tailings other than those mentioned in 01 03 04 and 01 03 05
01 03 07*	Other wastes containing dangerous substances from physical and chemical processing of metalliferous minerals.
01 04 07*	Wastes containing dangerous substances from physical and chemical processing of non-metalliferous minerals
01 04 12	Tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11
01 04 13	Wastes from stone cutting and sawing other than those mentioned in 01 04 07
02 07 03	Wastes from chemical treatment
03 03 09	Lime mud waste
05 01 14	Wastes from cooling columns
06 01 01*	Sulphuric and sulphurous acid
06 01 02*	Hydrochloric acid
06 01 03*	Hydrofluoric acid
06 01 04*	Phosphoric and phosphorous acid
06 01 05*	Nitric and nitrous acid
06 01 06*	Other acids
06 02 01*	Calcium hydroxide
06 02 03*	Ammonium hydroxide
06 02 04*	Sodium and potassium hydroxide
06 02 05*	Other bases
06 03 13*	Solid salts and solutions containing heavy metals
06 03 14	Solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13
06 03 16	Metallic oxides other than those mentioned in 06 03 15
06 04 03*	Wastes containing arsenic
06 04 04*	Wastes containing mercury
06 04 05*	Wastes containing other heavy metals
06 05 02*	Sludges from on-site effluent treatment containing dangerous substances
06 05 03	Sludges from on-site effluent treatment other than those mentioned in 06 05 02
06 06 03	Wastes containing sulphides other than those mentioned in 06 06 02
06 07 04*	Solutions and acids, for example contact acid
06 09 03*	Calcium-based reaction wastes containing or contaminated with dangerous substances
06 09 04	Calcium-based reaction wastes other than those mentioned in 06 09 03
06 10 02*	Wastes containing dangerous substances
06 11 01	Calcium-based reaction wastes from titanium dioxide production
07 01 01*	Aqueous washing liquids and mother liquors
07 02 01*	Aqueous washing liquids and mother liquors
07 02 15	Wastes from additives other than those mentioned in 07 02 14
07 02 17	Wastes containing silicones other than those mentioned in 07 02 16
07 03 01*	Aqueous washing liquids and mother liquors
07 04 01*	Aqueous washing liquids and mother liquors
07 04 10*	Other filter cakes and spent absorbents
07 05 01*	Aqueous liquids and mother liquors

Table S3.3 Permitted waste types and quantities for APC Treatment Process including DAA.

Waste codes	750 tonnes per day
EWC Code	Description
07 05 10*	Other filter cakes and spent absorbents
07 05 13*	Solid wastes containing dangerous substances
07 05 14	Solid wastes other than those mentioned in 07 05 14
07 06 01*	Aqueous liquids and mother liquors
07 07 01*	Aqueous liquids and mother liquors
08 01 12	Waste paint or varnish other than those mentioned in 08 01 11
08 02 02	Aqueous sludges containing ceramic materials
08 02 03	Aqueous suspensions containing ceramic materials
08 03 08	Aqueous liquid waste containing ink
08 03 13	Waste ink other than those mentioned in 08 03 12
08 03 16*	Waste etching solutions
08 04 16	Aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
09 01 01*	Water-based developer and activator solutions
09 01 02*	Water-based offset plate developer solutions
09 01 04*	Fixer solutions
10 01 01	Bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
10 01 02	Coal fly ash
10 01 03	Fly ash from peat and untreated wood
10 01 04*	Oil fly ash and boiler dust
10 01 05	Calcium-based reaction wastes from flue-gas desulphurisation in solid form
10 01 07	Calcium-based reaction wastes from flue-gas desulphurisation in sludge form
10 01 09*	Sulphuric acid
10 01 13*	Fly ash from emulsified hydrocarbons used as fuel
10 01 14*	Bottom ash, slag and boiler dust from con-incineration containing dangerous substances
10 01 15	Bottom ash, slag and boiler dust from con-incineration other than those mentioned in 10 01 14
10 01 16*	Fly-ash from co-incineration containing dangerous substances
10 01 17	Fly-ash from co-incineration other than those mentioned in 10 01 16
10 01 18*	Wastes from gas cleaning containing dangerous substances
10 01 19	Wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
10 01 20*	Sludges from on-site effluent treatment containing dangerous substances
10 01 21	Sludges from on-site effluent treatment other than those mentioned in 10 01 20
10 01 24	Sand from fluidised beds
10 01 26	Wastes from cooling-water treatment
10 02 01	Wastes from the processing of slag
10 02 07*	Solid wastes from gas treatment containing dangerous substances
10 02 08	Solid wastes from gas treatment other than those mentioned in 10 02 07
10 02 12	Wastes from cooling-water treatment other than those mentioned in 10 02 11
10 02 13*	Sludges and filter cakes from gas treatment containing dangerous substances
10 02 14	Sludges and filter cakes from gas treatment other than those mentioned in 10 02 13
10 02 15	Other sludges and filter cakes
10 03 19*	Flue-gas dust containing dangerous substances
10 03 20	Flue-gas dust other than those mentioned in 10 03 19
10 03 23*	Solid wastes from gas treatment containing dangerous substances
10 03 24	Solid wastes from gas treatment other than those mentioned in 10 03 23
10 03 25*	Sludges and filter cakes from gas treatment containing dangerous substances.

Table S3.3 Permitted waste types and quantities for APC Treatment Process including DAA.

Waste codes	750 tonnes per day
EWC Code	Description
10 03 26	Sludges and filter cakes from gas treatment other than those mentioned in 10 02 25
10 03 28	Wastes from cooling-water treatment other than those mentioned in 10 02 27
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 10	Wastes from cooling-water treatment other than those mentioned in 10 04 09
10 05 03*	Flue-gas dust
10 05 04	Other particulates and dust
10 05 05*	Solid wastes from gas treatment
10 05 06*	Sludges and filter cakes from gas treatment
10 05 09	Wastes from cooling-water treatment other than those mentioned in 10 05 08
10 06 03*	Flue-gas dust
10 06 04	Other particulates and dust
10 06 06*	Solid wastes from gas treatment
10 06 07*	Sludges and filter cakes from gas treatment
10 06 10	Wastes from cooling-water treatment other than those mentioned in 10 06 09
10 07 03	Solid wastes from gas treatment
10 07 04	Other particulates and dust
10 07 05	Sludges and filter cakes from gas treatment
10 07 08	Wastes from cooling-water treatment other than those mentioned in 10 07 07
10 08 04	Particulates and dust
10 08 15*	Flue-gas dust containing dangerous substances
10 08 16	Flue-gas dust other than those mentioned in 10 08 15
10 08 17*	Sludges and filter cakes from flue-gas treatment containing dangerous substances
10 08 18	Sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17
10 08 20	Wastes from cooling-water treatment other than those mentioned in 10 08 19
10 09 09*	Flue-gas dust containing dangerous substances
10 09 10	Flue-gas dust other than those mentioned in 10 09 09
10 09 11*	Other particulates containing dangerous substances
10 09 12	Other particulates other than those mentioned in 10 09 11
10 10 09*	Flue-gas dust containing dangerous substances
10 10 10	Flue-gas dust other than those mentioned in 10 10 09
10 10 11*	Other particulates containing dangerous substances
10 10 12	Other particulates other than those mentioned in 10 10 11
10 11 05	Particulates and dust
10 11 15*	Solid wastes from flue-gas treatment containing dangerous substances
10 11 16	Solid wastes from flue-gas treatment other than those mentioned in 10 11 15
10 11 17*	Sludges and filter cake from flue-gas treatment containing dangerous substances
10 11 18	Sludges and filter cake from flue-gas treatment other than those mentioned in 10 11 17
10 11 19*	Solids from on-site effluent treatment containing dangerous substances
10 11 20	Solids from on-site effluent treatment other than those mentioned in 07 03 11
10 12 03	Particulates and dust
10 12 05	Sludges and filter cakes from gas treatment
10 12 09*	Solid wastes from gas treatment containing dangerous substances

Table S3.3 Permitted waste types and quantities for APC Treatment Process including DAA.

Waste codes	750 tonnes per day
EWC Code	Description
10 12 10	Solid wastes from gas treatment other than those mentioned in 10 12 09
10 13 04	Wastes from calcination and hydration of lime
10 13 06	Particulates and dust (except 10 13 12 and 10 13 13)
10 13 07	Sludges and filter cakes from gas treatment
10 13 11	Wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
10 13 12*	Solid wastes from gas treatment containing dangerous substances
10 13 13	Solid wastes from gas treatment other than those mentioned in 10 13 12
10 13 14	Waste concrete and concrete sludge
11 01 05*	Pickling acids
11 01 06*	Acids not otherwise specified
11 01 07*	Pickling bases
11 01 08*	Phosphatising sludges
11 01 09*	Sludges and filter cakes containing dangerous substances
11 01 10	Sludges and filter cakes other than those mentioned in 11 01 09
11 01 11*	Aqueous rinsing liquids containing dangerous substances
11 01 12	Aqueous rinsing liquids other than those mentioned in 11 01 11
11 01 98*	Other wastes containing dangerous substances
11 02 07*	Other wastes containing dangerous substances
11 03 02*	Other wastes
11 05 03*	Solid wastes from gas treatment
12 03 01*	Aqueous washing liquids
16 03 03*	Inorganic wastes containing dangerous substances
16 03 04	Inorganic wastes other than those mentioned in 16 03 03
16 05 07*	Discarded inorganic chemicals consisting of or containing dangerous substances
16 05 09	Discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08
16 06 06*	Separately collected electrolyte from batteries and accumulators
16 07 09*	Wastes containing other dangerous substances
16 08 06*	Spent liquids used as catalysts
16 10 01*	Aqueous liquid wastes containing dangerous substances
16 10 02	Aqueous liquid wastes other than those mentioned in 16 10 01
16 10 03*	Aqueous concentrates containing dangerous substances
16 10 04	Aqueous concentrates other than those mentioned in 16 10 03
17 08 01*	Gypsum-based construction materials contaminated with dangerous substances
17 08 02	Gypsum-based construction materials other than those mentioned in 17 08 01
18 02 05*	Chemicals consisting of or containing dangerous substances
18 02 06	Chemicals other than those mentioned in 18 02 05
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 11*	Bottom ash and slag containing dangerous substances
19 01 12	Bottom ash and slag other than those mentioned in 19 01 11
19 01 13*	Fly ash containing dangerous substances
19 01 14	Fly ash other than those mentioned in 19 01 13
19 01 15*	Boiler dust containing dangerous substances
19 01 16	Boiler dust other than those mentioned in 19 01 15

Table S3.3 Permitted waste types and quantities for APC Treatment Process including DAA.

Waste codes	750 tonnes per day
EWC Code	Description
19 02 03	Premixed wastes composed only of non-hazardous wastes
19 02 04*	Premixed wastes composed of at least one hazardous waste
19 02 05*	Sludges from physico/chemical treatment containing dangerous substances
19 02 06	Sludges from physico/chemical treatment other than those mentioned in 19 02 05
19 02 11*	Other wastes containing dangerous substances
19 04 02*	Fly ash and other flue-gas treatment wastes
19 06 03	Liquor from anaerobic treatment of municipal waste
19 06 05	Liquor from anaerobic treatment of animal and vegetable waste
19 07 02*	Landfill leachate containing dangerous substances
19 07 03	Landfill leachate other than those mentioned in 19 07 02
19 11 03*	Aqueous liquid wastes
19 11 07*	Wastes from flue-gas cleaning
19 13 07*	Aqueous liquid wastes and aqueous concentrates from groundwater remediation containing dangerous substances
19 13 08	Aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07
20 01 14*	Acids
20 01 15*	Alkalines

Table S3.4 Permitted waste types and quantities for Waste Oil Processing including DAA

Waste codes	600 tonnes per day - Waste types are limited to those demonstrating the following hazardous properties: H14 Ecotoxic, H5 Harmful and H7 Carcinogenic.
EWC Code	Description
01 05 04	Freshwater drilling muds and wastes
01 05 06*	Drilling muds and other drilling wastes containing dangerous substances
01 05 07	Barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
01 05 08	Chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
05 01 03*	Tank bottom sludges
05 01 05*	Oil spills
05 01 06*	Oily sludges from maintenance operations of the plant or equipment
05 01 08*	Other tars
05 01 12*	Oil containing acids
07 07 04*	Other organic solvents, washing liquids and mother liquors
08 01 11*	Waste paint or varnish containing organic solvents or other dangerous substances
08 01 12	Waste paint or varnish other than those mentioned in 08 01 11
08 01 13*	Sludges from paint or varnish containing organic solvents or other dangerous substances
08 01 14	Sludges from paint or varnish other than those mentioned in 08 01 13
08 01 15*	Aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances
08 01 16	Aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
08 01 17*	Wastes from paint or varnish removal containing organic solvents or other dangerous substances
08 01 18	Wastes from paint or varnish removal other than those mentioned in 08 01 17
08 01 19*	Aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances
08 01 20	Aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
08 03 19	Disperse oil
08 04 17	Rosin Oil
10 02 11*	Wastes from cooling-water treatment containing oil
10 03 27*	Wastes from cooling-water treatment containing oil
10 04 09*	Wastes from cooling-water treatment containing oil
10 05 08*	Wastes from cooling-water treatment containing oil
10 06 09*	Wastes from cooling-water treatment containing oil
10 07 07*	Wastes from cooling-water treatment containing oil
10 08 19*	Wastes from cooling-water treatment containing oil
11 01 11*	Aqueous rinsing liquids containing dangerous substances
11 01 12	Aqueous rinsing liquids other than those mentioned in 11 01 11
11 01 13*	Degreasing wastes containing dangerous substances
11 01 14	Degreasing wastes other than those mentioned in 11 01 13
12 01 06*	Mineral based machining oils containing halogens (except emulsions and solutions)
12 01 07*	Mineral based machining oils free of halogens (except emulsions and solutions)
12 01 08*	Machining emulsions and solutions containing halogens
12 01 09*	Machining emulsions and solutions free of halogens
12 01 10*	Synthetic machining oils
12 01 12*	Spent waxes and fats
12 01 14*	Machining sludges containing dangerous substances
12 01 15	Machining sludges other than those mentioned in 12 01 14
12 01 18*	Metal sludges (grinding, honing and lapping sludge) containing oil
12 01 19*	Readily biodegradable machining oil
12 03 01*	Aqueous washing liquids

Table S3.4 Permitted waste types and quantities for Waste Oil Processing including DAA

Waste codes	600 tonnes per day - Waste types are limited to those demonstrating the following hazardous properties: H14 Ecotoxic, H5 Harmful and H7 Carcinogenic.
EWC Code	Description
12 03 02*	Steam degreasing wastes
13 01 05*	Non-chlorinated emulsions
13 01 10*	Mineral-based non-chlorinated hydraulic oils
13 01 11*	Synthetic hydraulic oils
13 01 12*	Readily biodegradable hydraulic oils
13 01 13*	Other hydraulic oils
13 02 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 07*	Mineral-based non-chlorinated insulating or 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 01*	Bilge oils from inland navigation
13 04 02*	Bilge oils from jetty sewers
13 04 03*	Bilge oils from other navigation
13 05 01*	Solids from grit chambers and oil/water separators
13 05 02*	Sludges from oil/water separators
13 05 03*	Interceptor sludges
13 05 06*	Oil from oil/water separators
13 05 07*	Oily water from oil/water separators
13 05 08*	Mixtures of wastes from grit chambers and oil/water separators
13 07 01*	Fuel oil and diesel
13 07 03*	Other fuels (including mixtures)
13 08 01*	Desalter sludges or emulsions
13 08 02*	Other emulsions
15 02 02*	Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances.
15 02 03	Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
16 01 07*	Oil filters
16 01 13*	Brake fluids
16 01 14*	Antifreeze fluids containing dangerous substances
16 01 15	Antifreeze fluids other than those mentioned in 16 01 14
16 03 05*	Organic wastes containing dangerous substances
16 03 06	Organic wastes other than those mentioned in 16 03 05
16 05 08*	Discarded organic chemicals consisting of or containing dangerous substances
16 05 09	Discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08
16 07 08*	Wastes containing oil
19 02 03	Premixed wastes composed only of non-hazardous wastes
19 02 04*	Premixed wastes composed of at least one hazardous waste
19 02 05*	Sludges from physico/chemical treatment containing dangerous substances
19 02 06	Sludges from physico/chemical treatment other than those mentioned in 19 02 05
19 02 07*	Oil and concentrates from separation
19 02 08*	Liquid combustible wastes containing dangerous substances

Table S3.4 Permitted waste types and quantities for Waste Oil Processing including DAA	
Waste codes	600 tonnes per day - Waste types are limited to those demonstrating the following hazardous properties: H14 Ecotoxic, H5 Harmful and H7 Carcinogenic.
EWC Code	Description
19 02 11*	Other wastes containing dangerous substances
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 11 01*	Spent filter clays
19 11 03*	Aqueous liquid wastes
19 11 04*	Wastes from cleaning of fuel with bases
19 11 05*	Sludges from on-site effluent treatment containing dangerous substances
19 11 06	Sludges from on-site effluent treatment other than those mentioned in 19 11 05
19 13 03*	Sludges from soil remediation containing dangerous substances
19 13 04	Sludges from soil remediation waste other than those mentioned in 19 13 03
19 13 05*	Sludges from groundwater remediation containing dangerous substances
19 13 06	Sludges from groundwater remediation waste other than those mentioned in 19 13 05
19 13 07*	Aqueous liquid wastes and aqueous concentrates from groundwater remediation containing dangerous substances
19 13 08	Aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07
20 01 25	Edible oil and fat
20 01 26	Oil and fat other than those mentioned in 20 01 25

Table S3.5 Permitted waste types and quantities for Interceptor Treatment part of Waste Oil Treatment

Waste codes	600 tonnes per day - Waste types are limited to those demonstrating the following hazardous properties: H14 Ecotoxic, H5 Harmful and H7 Carcinogenic.
EWC Code	Description
01 04 09	Waste sand and clays
01 04 13	Wastes from stone cutting and sawing other than those mentioned in 01 04 07
01 05 04	Freshwater drilling muds and wastes
01 05 05*	Oil-containing drilling muds and wastes
01 05 06*	Drilling muds and other drilling wastes containing dangerous substances
02 01 01	Sludges from washing and cleaning
05 01 03*	Tank bottom sludges
05 01 05*	Oil spills
05 01 06*	Oily sludges from maintenance operations of the plant or equipment
05 01 12*	Oil containing acids
05 01 13	Boiler feedwater sludges
05 01 17	Bitumen
08 03 19*	Disperse oil
08 04 17*	Rosin oil
10 02 11*	Wastes from cooling-water treatment containing oil
10 03 27*	Wastes from cooling-water treatment containing oil
10 04 09*	Wastes from cooling-water treatment containing oil
10 05 08*	Wastes from cooling-water treatment containing oil
10 06 09*	Wastes from cooling-water treatment containing oil
10 07 07*	Wastes from cooling-water treatment containing oil
10 08 19*	Wastes from cooling-water treatment containing oil
12 01 06*	Mineral based machining oils containing halogens (except emulsions and solutions)
12 01 07*	Mineral based machining oils free of halogens (except emulsions and solutions)
12 01 08*	Machining emulsions and solutions containing halogens
12 01 09*	Machining emulsions and solutions free of halogens
12 01 10*	Synthetic machining oils
12 01 12*	Spent waxes and fats
12 01 13	Welding wastes
12 01 14*	Machining sludges containing dangerous substances
12 01 15	Machining sludges other than those mentioned in 12 01 14
12 01 19*	Readily biodegradable machining oil
12 03 01*	Aqueous washing liquids
12 03 02*	Steam degreasing wastes
13 01 05*	Non-chlorinated emulsions
13 01 10*	Mineral-based non-chlorinated hydraulic oils
13 01 11*	Synthetic hydraulic oils
13 01 12*	Readily biodegradable hydraulic oils
13 01 13*	Other hydraulic oils
13 02 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 07*	Mineral-based non-chlorinated insulating or heat transmission oils
13 03 08*	Synthetic insulating and heat transmission oils

Table S3.5 Permitted waste types and quantities for Interceptor Treatment part of Waste Oil Treatment

Waste codes	600 tonnes per day - Waste types are limited to those demonstrating the following hazardous properties: H14 Ecotoxic, H5 Harmful and H7 Carcinogenic.
EWC Code	Description
13 03 09*	Readily biodegradable insulating and heat transmission oils
13 03 10*	Other insulating and heat transmission 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 01*	Solids from grit chambers and oil/water separators
13 05 02*	Sludges from oil/water separators
13 05 03*	Interceptor sludges
13 05 06*	Oil from oil/water separators
13 05 07*	Oily water from oil/water separators
13 05 08*	Mixtures of wastes from grit chambers and oil/water separators
13 07 01*	Fuel oil and diesel
13 07 03*	Other fuels (including mixtures)
13 08 01*	Desalter sludges or emulsions
13 08 02*	Other emulsions
16 01 13*	Brake fluids
16 01 14*	Antifreeze fluids containing dangerous substances
16 01 15	Antifreeze fluids other than those mentioned in 16 01 14
16 07 08*	Wastes containing oil
19 02 03	Premixed wastes composed only of non-hazardous wastes
19 02 04*	Premixed wastes composed of at least one hazardous waste
19 02 07*	Oil and concentrates from separation
19 02 08*	Liquid combustible wastes containing dangerous substances
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
20 01 25	Edible oil and fat
20 01 26*	Oil and fat other than those mentioned in 20 01 25
20 01 27*	Paint, inks, adhesives and resins containing dangerous substances
20 01 28	Paint, inks, adhesives and resins other than those mentioned in 20 01 27
20 03 03	Street-cleaning residues

Table S3.6 Permitted waste types and quantities for The disposal of hazardous waste – storage of hazardous waste for transfer only

Waste codes	20 tonnes per day
EWC Code	Description
01 03 04*	Acid generating tailings from processing of sulphide ore
01 03 05*	Other tailings containing dangerous substances
01 03 07*	Other wastes containing dangerous substances from physical and chemical processing of metalliferous minerals.
01 04 07*	Wastes containing dangerous substances from physical and chemical processing of non-metalliferous minerals
01 05 05*	Oil-containing drilling muds and wastes
01 05 06*	Drilling muds and other drilling wastes containing dangerous substances
02 01 08*	Agrochemical waste containing dangerous substances
03 01 04*	Sawdust, shavings, cuttings, wood, particle board and veneer containing dangerous substances
03 02 02*	Non-halogenated organic wood preservatives
03 02 03*	Organometallic wood preservatives
03 02 04*	Inorganic wood preservatives
03 02 05*	Other wood preservatives containing dangerous substances
04 01 03*	Degreasing wastes containing solvents without a liquid phase
04 02 14*	Wastes from finishing containing organic solvents
04 02 16*	Dyestuffs and pigments containing dangerous substances
04 02 19*	Sludges from on-site effluent treatment containing dangerous substances
05 01 02*	Desalter sludges
05 01 03*	Tank bottom sludges
05 01 04*	Acid alkyl sludges
05 01 05*	Oil spills
05 01 06*	Oily sludges from maintenance operations of the plant or equipment
05 01 07*	Acid tars
05 01 08*	Other tars
05 01 09*	Sludges from on-site effluent treatment containing dangerous substances
05 01 11*	Wastes from cleaning of fuels with bases
05 01 12*	Oil containing acids
05 01 15*	Spent filter clays
05 06 01*	Acid tars
05 06 03*	Other tars
05 07 01*	Wastes containing mercury
06 01 01*	Sulphuric and sulphurous acid
06 01 02*	Hydrochloric acid
06 01 03*	Hydrofluoric acid
06 01 04*	Phosphoric and phosphorous acid
06 01 05*	Nitric and nitrous acid
06 01 06*	Other acids
06 02 01*	Calcium hydroxide
06 02 03*	Ammonium hydroxide
06 02 04*	Sodium and potassium hydroxide
06 02 05*	Other bases
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

Table S3.6 Permitted waste types and quantities for The disposal of hazardous waste – storage of hazardous waste for transfer only

Waste codes	20 tonnes per day
EWC Code	Description
06 04 03*	Wastes containing arsenic
06 04 04*	Wastes containing mercury
06 04 05*	Wastes containing other heavy metals
06 05 02*	Sludges from on-site effluent treatment containing dangerous substances
06 06 02*	Wastes containing dangerous sulphides
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 02*	Wastes containing dangerous silicones
06 09 03*	Calcium-based reaction wastes containing or contaminated with dangerous substances
06 10 02*	Wastes containing dangerous substances
06 13 01*	Inorganic plant protection products, wood-preserving agents and other biocides
06 13 02*	Spent activated carbon
06 13 04*	Wastes from asbestos processing
06 13 05*	Soot
07 01 01*	Aqueous washing liquids and mother liquors
07 01 03*	Organic halogenated solvents, washing liquids and mother liquors
07 01 04*	Other Organic solvents, washing liquids and mother liquors
07 01 07*	Halogenated still bottoms and reaction residues
07 01 08*	Other still bottoms and reaction residues
07 01 09*	Halogenated filter cakes and spent absorbents
07 01 10*	Other filter cakes and spent absorbents
07 01 11*	Sludges from on-site effluent treatment containing dangerous substances
07 02 01*	Aqueous washing liquids and mother liquors
07 02 03*	Organic halogenated solvents, washing liquids and mother liquors
07 02 04*	Other organic solvents, washing liquids and mother liquors
07 02 07*	Halogenated still bottoms and reaction residues
07 02 08*	Other still bottoms and reaction residues
07 02 09*	Halogenated filter cakes and spent absorbents
07 02 10*	Other filter cakes and spent absorbents
07 02 11*	Sludges from on-site effluent treatment containing dangerous substances
07 02 14*	Wastes from additives containing dangerous substances
07 02 16*	Wastes containing dangerous silicones
07 03 01*	Aqueous washing liquids and mother liquors
07 03 03*	Organic halogenated solvents, washing liquids and mother liquors
07 03 04*	Other organic solvents, washing liquids and mother liquors
07 03 07*	Halogenated still bottoms and reaction residues
07 03 08*	Other still bottoms and reaction residues
07 03 09*	Halogenated filter cakes and spent absorbents
07 03 10*	Other filter cakes and spent absorbents
07 03 11*	Sludges from on-site effluent treatment containing dangerous substances
07 04 01*	Aqueous washing liquids and mother liquors
07 04 03*	Organic halogenated solvents, washing liquids and mother liquors

Table S3.6 Permitted waste types and quantities for The disposal of hazardous waste – storage of hazardous waste for transfer only

Waste codes	20 tonnes per day
EWC Code	Description
07 04 04*	Other organic solvents, washing liquids and mother liquors
07 04 07*	Halogenated still bottoms and reaction residues
07 04 08*	Other still bottoms and reaction residues
07 04 09*	Halogenated filter cakes and spent absorbents
07 04 10*	Other filter cakes and spent absorbents
07 04 11*	Sludges from on-site effluent treatment containing dangerous substances
07 04 13*	Solids wastes containing dangerous substances
07 05 01*	Aqueous liquids and mother liquors
07 05 03*	Organic halogenated solvents, washing liquids and mother liquors
07 05 04*	Other organic solvents, washing liquids and mother liquors
07 05 07*	Halogenated still bottoms and reaction residues
07 05 08*	Other still bottoms and reaction residues
07 05 09*	Halogenated filter cakes and spent absorbents
07 05 10*	Other filter cakes and spent absorbents
07 05 11*	Sludges from on-site effluent treatment containing dangerous substances
07 05 13*	Solid wastes containing dangerous substances
07 06 01*	Aqueous liquids and mother liquors
07 06 03*	Organic halogenated solvents, washing liquids and mother liquors
07 06 04*	Other organic solvents, washing liquids and mother liquors
07 06 07*	Halogenated still bottoms and reaction residues
07 06 08*	Other still bottoms and reaction residues
07 06 09*	Halogenated filter cakes and spent absorbents
07 06 10*	Other filter cakes and spent absorbents
07 06 11*	Sludges from on-site effluent treatment containing dangerous substances
07 07 01*	Aqueous liquids and mother liquors
07 07 03*	Organic halogenated solvents, washing liquids and mother liquors
07 07 04*	Other organic solvents, washing liquids and mother liquors
07 07 07*	Halogenated still bottoms and reaction residues
07 07 08*	Other still bottoms and reaction residues
07 07 09*	Halogenated filter cakes and spent absorbents
07 07 10*	Other filter cakes and spent absorbents
07 07 11*	Sludges from on-site effluent treatment containing dangerous substances
08 01 11*	Waste paint or varnish containing organic solvents or other dangerous substances
08 01 13*	Sludges from paint or varnish containing organic solvents or other dangerous substances
08 01 15*	Aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances
08 01 17*	Wastes from paint or varnish removal containing organic solvents or other dangerous substances
08 01 19*	Aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances
08 01 21*	Waste paint or varnish remover
08 03 12*	Waste ink containing dangerous substances
08 03 14*	Ink sludges containing dangerous substances
08 03 16*	Waste etching solutions
08 03 17*	Waste printing toner containing dangerous substances
08 03 19*	Disperse oil
08 04 09*	Waste adhesives and sealants containing organic solvents or other dangerous substances

Table S3.6 Permitted waste types and quantities for The disposal of hazardous waste – storage of hazardous waste for transfer only

Waste codes	20 tonnes per day
EWC Code	Description
08 04 11*	Adhesive and sealant sludges containing organic solvents or other dangerous substances
08 04 13*	Aqueous sludges containing adhesives or sealants containing organic solvents or other dangerous substances
08 04 15*	Aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances
08 04 17*	Rosin oil
08 05 01*	Waste isocyanates
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
09 01 05*	Bleach solutions and bleach fixer solutions
09 01 06*	Wastes containing silver from on-site treatment of photographic wastes
09 01 13*	Aqueous liquid waste from on-site reclamation of silver other than those mentioned in 09 01 06
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 con-incineration containing dangerous substances
10 01 16*	Fly-ash from co-incineration containing dangerous substances
10 01 18*	Wastes from gas cleaning containing dangerous substances
10 01 20*	Sludges from on-site effluent treatment containing dangerous substances
10 01 22*	Aqueous sludges from boiler cleansing containing dangerous substances
10 02 07*	Solid wastes from gas treatment containing dangerous substances
10 02 11*	Wastes from cooling-water treatment containing oil
10 02 13*	Sludges and filter cakes from gas treatment containing dangerous substances
10 03 04*	Primary production slags
10 03 08*	Salt slags from secondary production
10 03 09*	Black drosses from secondary production
10 03 17*	Tar-containing wastes from anode manufacture
10 03 19*	Flue-gas dust containing dangerous substances
10 03 21*	Other particulates and dust (including ball-mill dust) containing dangerous substances
10 03 23*	Solid wastes from gas treatment containing dangerous substances
10 03 25*	Sludges and filter cakes from gas treatment containing dangerous substances.
10 03 27*	Wastes from cooling-water treatment containing oil
10 03 29*	Waste from the treatment of salt slags and black drosses containing dangerous substances
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 05 03*	Flue-gas dust
10 05 05*	Solid wastes from gas treatment

Table S3.6 Permitted waste types and quantities for The disposal of hazardous waste – storage of hazardous waste for transfer only

Waste codes	20 tonnes per day
EWC Code	Description
10 05 06*	Sludges and filter cakes from gas treatment
10 05 08*	Wastes from cooling-water treatment containing oil
10 06 03*	Flue-gas dust
10 06 04	Other particulates and 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 07 07*	Wastes from cooling-water treatment containing oil
10 08 08*	Salt slag from primary and secondary production
10 08 15*	Flue-gas dust containing dangerous substances
10 08 17*	Sludges and filter cakes from flue-gas treatment containing dangerous substances
10 08 19*	Wastes from cooling-water treatment containing oil
10 09 05*	Casting cores and moulds which have not undergone pouring containing dangerous substances
10 09 07*	Casting cores and moulds which have undergone pouring containing dangerous substances
10 09 09*	Flue-gas dust containing dangerous substances
10 09 11*	Other particulates containing dangerous substances
10 09 13*	Waste binders containing dangerous substances
10 09 15*	Waste crack-indicating agent containing dangerous substances
10 10 05*	Casting cores and moulds which have not undergone pouring containing dangerous substances
10 10 07*	Casting cores and moulds which have undergone pouring containing dangerous substances
10 10 09*	Flue-gas dust containing dangerous substances
10 10 13*	Waste binders containing dangerous substances
10 10 15*	Waste crack-indicating agent containing dangerous substances
10 11 09*	Waste preparation mixture before thermal processing, containing dangerous 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 dangerous substances
10 11 15*	Solid wastes from flue-gas treatment containing dangerous substances
10 11 17*	Sludges and filter cake from flue-gas treatment containing dangerous substances
10 11 19*	Solids from on-site effluent treatment containing dangerous substances
10 12 09*	Solid wastes from gas treatment containing dangerous substances
10 12 11*	Wastes from glazing containing heavy metals
10 13 09*	Wastes from asbestos-cement manufacture containing asbestos
10 13 12*	Solid wastes from gas treatment containing dangerous substances
10 14 01*	Waste from gas cleaning containing mercury
11 01 05*	Pickling acids
11 01 06*	Acids not otherwise specified
11 01 07*	Pickling bases
11 01 08*	Phosphatising sludges
11 01 09*	Sludges and filter cakes containing dangerous substances
11 01 11*	Aqueous rinsing liquids containing dangerous substances
11 01 13*	Degreasing wastes containing dangerous substances
11 01 15*	Eluate and sludges from membrane systems or ion exchange systems containing dangerous substances
11 01 16*	Saturated or spent ion exchange resins
11 01 98*	Other wastes containing dangerous substances

Table S3.6 Permitted waste types and quantities for The disposal of hazardous waste – storage of hazardous waste for transfer only

Waste codes	20 tonnes per day
EWC Code	Description
11 02 02*	Sludges from zinc hydrometallurgy
11 02 05*	Wastes from copper hydrometallurgical processes containing dangerous substances
11 02 07*	Other wastes containing dangerous substances
11 03 01*	Wastes containing cyanide
11 03 02*	Other wastes
11 05 03*	Solid wastes from gas treatment
11 05 04*	Spent flux
12 01 06*	Mineral based machining oils containing halogens (except emulsions and solutions)
12 01 07*	Mineral based machining oils free of halogens (except emulsions and solutions)
12 01 08*	Machining emulsions and solutions containing halogens
12 01 09*	Machining emulsions and solutions free of halogens
12 01 10*	Synthetic machining oils
12 01 12*	Spent waxes and fats
12 01 14*	Machining sludges containing dangerous substances
12 01 16*	Waste blasting material containing dangerous substances
12 01 18*	Metal sludges (grinding, honing and lapping sludge) containing oil
12 01 19*	Readily biodegradable machining oil
12 01 20*	Spent grinding bodies and grinding materials containing dangerous substances
12 01 21*	Spent grinding bodies and grinding materials other than those mentioned in 12 01 20
12 03 01*	Aqueous washing liquids
12 03 02*	Steam degreasing wastes
13 01 01*	Hydraulic oils, containing PCBs
13 01 04*	Chlorinated emulsions
13 01 05*	Non-chlorinated emulsions
13 01 09*	Mineral-based chlorinated hydraulic oils
13 01 10*	Mineral-based non-chlorinated hydraulic oils
13 01 11*	Synthetic hydraulic oils
13 01 12*	Readily biodegradable hydraulic oils
13 01 13*	Other hydraulic oils
13 02 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 01*	Insulating or heat transmission oils containing PCBs
13 03 06*	Mineral-based chlorinated insulating or heat transmission oils other than those mentioned in 13 03 01
13 03 07*	Mineral-based non-chlorinated insulating or 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 01*	Bilge oils from inland navigation
13 04 02*	Bilge oils from jetty sewers
13 04 03*	Bilge oils from other navigation
13 05 01*	Solids from grit chambers and oil/water separators

Table S3.6 Permitted waste types and quantities for The disposal of hazardous waste – storage of hazardous waste for transfer only

Waste codes	20 tonnes per day
EWC Code	Description
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 01*	Fuel oil and diesel
13 07 02*	Petrol
13 07 03*	Other fuels (including mixtures)
13 08 01*	Desalter sludges or emulsions
13 08 02*	Other emulsions
14 06 01*	Chlorofluorocarbons, HCFC, HFC
14 06 02*	Other halogenated solvents and solvent mixtures
14 06 03*	Other solvents and solvent mixtures
14 06 04*	Sludges or solid wastes containing halogenated solvents
14 06 05*	Sludges or solid wastes containing other solvents
15 01 10*	Packaging containing residues or contaminated by dangerous substances
15 01 11*	Metallic packaging containing a dangerous solid porous matrix (for example asbestos), including empty pressure containers
15 02 02*	Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances
16 01 07*	Oil filters
16 01 08*	Components containing mercury
16 01 11*	Brake pads containing asbestos
16 01 13*	Brake fluids
16 01 14*	Antifreeze fluids containing dangerous substances
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 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 components other than those mentioned in 16 02 09 to 16 02 12
16 02 14	Discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 15*	Hazardous components removed from discarded equipment
16 03 03*	Inorganic wastes containing dangerous substances
16 03 05*	Organic wastes containing dangerous substances
16 05 04*	Gases in pressure containers (including halons) containing dangerous substances
16 05 06*	Laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
16 05 07*	Discarded inorganic chemicals consisting of or containing dangerous substances
16 05 08*	Discarded organic chemicals consisting of or containing dangerous substances
16 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 08*	Wastes containing oil

Table S3.6 Permitted waste types and quantities for The disposal of hazardous waste – storage of hazardous waste for transfer only

Waste codes	20 tonnes per day
EWC Code	Description
16 07 09*	Wastes containing other dangerous substances
16 08 02*	Spent catalysts containing dangerous transition metals or dangerous transition metal compounds
16 08 05*	Spent catalysts containing phosphoric acid
16 08 06*	Spent liquids used as catalysts
16 08 07*	Spent catalysts contaminated with dangerous substances
16 09 01*	Permanganates, for example potassium permanganate
16 09 02*	Chromates, for example potassium chromate, potassium or sodium dichromate
16 09 04*	Oxidising substances, not otherwise specified
16 10 01*	Aqueous liquid wastes containing dangerous substances
16 10 03*	Aqueous concentrates containing dangerous substances
16 11 01*	Carbon-based linings and refractories from metallurgical processes containing dangerous substances
16 11 03*	Other linings and refractories from metallurgical processes containing dangerous substances
16 11 05*	Linings and refractories from non-metallurgical processes containing dangerous substances
17 01 06*	Mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances
17 02 04*	Glass, plastic and wood containing or contaminated with dangerous substances
17 03 01*	Bituminous mixtures containing coal tar
17 03 03*	Coal tar and tarred products
17 04 09*	Metal waste contaminated with dangerous substances
17 05 03*	Soil and stones containing dangerous substances
17 05 05*	Dredging spoil containing dangerous substances
17 05 07*	Dredging spoils containing dangerous substances
17 06 01*	Insulation materials containing asbestos
17 06 03*	Other insulation materials consisting of or containing dangerous substances
17 06 05*	Construction materials containing asbestos
17 08 01*	Gypsum-based construction materials contaminated with dangerous substances
17 09 01*	Construction and demolition wastes containing mercury
17 09 02*	Construction and demolition wastes containing PCBs
17 09 03*	Other construction and demolition wastes (including mixed wastes) containing dangerous substances
18 01 06*	Chemicals consisting of or containing dangerous substances
18 01 08*	Cytotoxic and cytostatic medicines
18 01 10*	Amalgam waste from dental care
18 02 05*	Chemicals consisting of or containing dangerous substances
18 02 07*	Cytotoxic and cytostatic medicines
19 01 05*	Filter cake from gas treatment
19 01 06*	Aqueous liquid wastes from gas treatment and other aqueous liquid wastes
19 01 07*	Solid wastes from gas treatment
19 01 10*	Spent activated carbon from flue-gas treatment
19 01 11*	Bottom ash and slag containing dangerous substances
19 01 13*	Fly ash containing dangerous substances
19 01 15*	Boiler dust containing dangerous substances
19 01 17*	Pyrolysis wastes containing dangerous substances
19 02 04*	Premixed wastes composed of at least one hazardous waste
19 02 05*	Sludges from physico/chemical treatment containing dangerous substances
19 02 07*	Oil and concentrates from separation

Table S3.6 Permitted waste types and quantities for The disposal of hazardous waste – storage of hazardous waste for transfer only

Waste codes	20 tonnes per day
EWC Code	Description
19 02 08*	Liquid combustible wastes containing dangerous substances
19 02 09*	Solid combustible wastes containing dangerous substances
19 02 11*	Other wastes containing dangerous substances
19 03 04*	Wastes marked as hazardous, partly stabilised
19 03 06*	Wastes marked as hazardous, solidified
19 04 02*	Fly ash and other flue-gas treatment wastes
19 04 03*	Non-vitrified solid phase
19 07 02*	Landfill leachate containing dangerous substances
19 08 06*	Saturated or spent ion exchange resins
19 08 07*	Solutions and sludges from the regeneration of ion exchangers
19 08 08*	Membrane system waste containing heavy metals
19 08 10*	Grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
19 08 11*	Sludges containing dangerous substances from biological treatment of industrial waste water
19 08 13*	Sludges containing dangerous substances from other treatment of industrial waste water
19 10 03*	Fluff-light fraction and dust containing dangerous substances
19 10 05*	Other fractions containing dangerous substances
19 11 01*	Spent filter clays
19 11 02*	Acid tars
19 11 03*	Aqueous liquid wastes
19 11 04*	Wastes from cleaning of fuel with bases
19 11 05*	Sludges from on-site effluent treatment containing dangerous substances
19 11 07*	Wastes from flue-gas cleaning
19 12 06*	Wood containing dangerous substances
19 12 11*	Other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances
19 13 01*	Solid wastes from soil remediation containing dangerous substances
19 13 03*	Sludges from soil remediation containing dangerous substances
19 13 05*	Sludges from groundwater remediation containing dangerous substances
19 13 07*	Aqueous liquid wastes and aqueous concentrates from groundwater remediation containing dangerous substances
20 01 13*	Solvents
20 01 14*	Acids
20 01 15*	Alkalines
20 01 17*	Photochemicals
20 01 19*	Pesticides
20 01 21*	Fluorescent tubes and other mercury-containing waste
20 01 23*	Discarded equipment containing chlorofluorocarbons
20 01 26*	Oil and fat other than those mentioned in 20 01 25
20 01 27*	Paint, inks, adhesives and resins containing dangerous substances
20 01 29*	Detergents containing dangerous 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
20 01 37*	Wood containing dangerous substances

Table S3.7 Permitted waste types and quantities for IBC washings.	
Waste codes	2 Tonnes per day
EWC Code	Description
15 01 02	Plastic packaging
15 01 03	Wooden packaging
15 01 04	Metallic packaging
15 01 05	Composite packaging
15 01 06	Mixed packaging
15 01 07	Glass Packaging
15 01 10*	Packaging containing residues or contaminated by dangerous substances

Table S3.8 Permitted waste types and quantities for Aqueous Waste Treatment DAA

Maximum quantity	1000 tonnes per day
Waste code	Description
01 01 01	Wastes from mineral metalliferous excavation
01 01 02	Wastes from mineral non-metalliferous excavation
01 03 06	Tailings other than those mentioned in 01 03 04 and 01 03 05
01 04 11	Wastes from potash and rock salt processing other than those mentioned in 01 04 07
01 04 12	Tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11
01 04 13	Wastes from stone cutting and sawing other than those mentioned in 01 04 07
01 05 04	Freshwater drilling muds and wastes
01 05 07	Barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
01 05 08	Chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
02 01 01	Sludges from washing and cleaning
02 01 07	Wastes from forestry
02 01 09	Agrochemical waste other than those mentioned in 02 01 08
02 02 01	Sludges from washing and cleaning
02 02 03	Materials unsuitable for consumption or processing
02 02 04	Sludges from on-site effluent treatment
02 03 01	Sludges from washing, cleaning, peeling, centrifuging and separation
02 03 02	Wastes from preserving agents
02 03 03	Wastes from solvent extraction
02 03 04	Materials unsuitable for consumption or processing
02 03 05	Sludges from on-site effluent treatment
02 04 01	Soil from cleaning and washing beet
02 04 02	Off-specification calcium carbonate
02 04 03	Sludges from on-site effluent treatment
02 05 01	Materials unsuitable for consumption or processing
02 05 02	Sludges from on-site effluent treatment
02 06 01	Materials unsuitable for consumption or processing
02 06 02	Wastes from preserving agents
02 06 03	Sludges from on-site effluent treatment
02 07 01	Wastes from washing cleaning and mechanical reduction of raw materials
02 07 02	Wastes from spirits distillation
02 07 03	Wastes from chemical treatment
02 07 04	Materials unsuitable for consumption or processing
02 07 05	Sludges from on-site effluent treatment
03 03 02	Green liquor sludge (from recovery of cooking liquor)
03 03 05	De-inking sludges from paper recycling
03 03 07	Mechanically separated rejects from pulping of waste paper and cardboard
03 03 09	Lime mud waste
03 03 10	Fibre rejects, fibre-, filler-, and coating-sludges from mechanical separation
03 03 11	Sludges from on-site effluent treatment other than those mentioned in 03 03 10
04 01 02	Liming waste
04 01 04	Tanning liquor containing chromium
04 01 05	Tanning liquor free of chromium
04 01 06	Sludges, in particular from on-site effluent treatment containing chromium
04 01 07	Sludges, in particular from on-site effluent treatment free of chromium
04 01 09	Wastes from dressing and finishing

Table S3.8 Permitted waste types and quantities for Aqueous Waste Treatment DAA

Maximum quantity	1000 tonnes per day
Waste code	Description
04 02 10	Organic matter from natural products (for example grease, wax)
04 02 15	Wastes from finishing other than those mentioned in 04 02 14
04 02 17	Dyestuffs and pigments other than those mentioned in 04 02 17
04 02 20	Sludges from on-site effluent treatment other than those mentioned in 04 02 19
04 02 21	Wastes from unprocessed textile fibres
04 02 22	Wastes from processed textile fibres
05 01 10	Sludges from on-site effluent treatment other than those mentioned in 05 01 09
05 01 13	Boiler feedwater sludges
05 01 14	Wastes from cooling columns
05 01 16	Sulphur-containing wastes from petroleum desulphurisation
05 06 04	Waste from cooling columns
05 07 02	Wastes containing sulphur
06 03 14	Solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13
06 05 03	Sludges from on-site effluent treatment other than those mentioned in 06 05 02
06 06 03	Wastes containing sulphides other than those mentioned in 06 06 02
06 09 04	Calcium-based reaction wastes other than those mentioned in 06 09 03
06 11 01	Calcium-based reaction wastes from titanium dioxide production
07 01 12	Sludges from on-site effluent treatment other than those mentioned in 07 01 11
07 02 12	Sludges from on-site effluent treatment other than those mentioned in 07 02 11
07 02 15	Wastes from additives other than those mentioned in 07 02 14
07 02 17	Wastes containing silicones other than those mentioned in 07 02 16
07 03 12	Sludges from on-site effluent treatment other than those mentioned in 07 03 11
07 04 12	Sludges from on-site effluent treatment other than those mentioned in 07 04 11
07 05 12	Sludges from on-site effluent treatment other than those mentioned in 07 05 11
07 06 12	Sludges from on-site effluent treatment other than those mentioned in 07 06 11
07 07 12	Sludges from on-site effluent treatment other than those mentioned in 07 07 11
08 01 12	Waste paint or varnish other than those mentioned in 08 01 11
08 01 14	Sludges from paint or varnish other than those mentioned in 08 01 13
08 01 16	Aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
08 01 18	Wastes from paint or varnish removal other than those mentioned in 08 01 17
08 01 20	Aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
08 02 01	Waste coating powders
08 02 02	Aqueous sludges containing ceramic materials
08 02 03	Aqueous suspensions containing ceramic materials
08 03 07	Aqueous sludges containing ink
08 03 08	Aqueous liquid waste containing ink
08 03 13	Waste ink other than those mentioned in 08 03 12
08 03 15	Ink sludges other than those mentioned in 08 03 14
08 03 18	Waste printing toner other than those mentioned in 08 03 17
08 04 10	Waste adhesives and sealants other than those mentioned in 08 04 09
08 04 12	Adhesive and sealant sludges other than those mentioned in 08 04 11
08 04 14	Aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13
08 04 16	Aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
10 01 21	Sludges from on-site effluent treatment other than those mentioned in 10 01 20
10 01 23	Aqueous sludges from boiler cleansing other than those mentioned in 10 01 22

Table S3.8 Permitted waste types and quantities for Aqueous Waste Treatment DAA

Maximum quantity	1000 tonnes per day
Waste code	Description
10 01 24	Sand from fluidised beds
10 01 25	Wastes from fuel storage and preparation of coal-fired power stations
10 01 26	Wastes from cooling-water treatment
10 02 01	Wastes from the processing of slag
10 02 02	Unprocessed slag
10 02 12	Wastes from cooling-water treatment other than those mentioned in 10 02 11
10 02 14	Sludges and filter cakes from gas treatment other than those mentioned in 10 02 13
10 02 15	Other sludges and filter cakes
10 03 18	Carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17
10 03 26	Sludges and filter cakes from gas treatment other than those mentioned in 10 02 25
10 03 28	Wastes from cooling-water treatment other than those mentioned in 10 02 27
10 03 30	Waste from the treatment of salt slags and black drosses other than those mentioned in 10 02 29
10 04 10	Wastes from cooling-water treatment other than those mentioned in 10 04 09
10 05 09	Wastes from cooling-water treatment other than those mentioned in 10 05 08
10 06 10	Wastes from cooling-water treatment other than those mentioned in 10 06 09
10 07 05	Sludges and filter cakes from gas treatment
10 07 08	Wastes from cooling-water treatment other than those mentioned in 10 07 07
10 08 18	Sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17
10 08 20	Wastes from cooling-water treatment other than those mentioned in 10 08 19
10 09 16	Waste crack-indicating agent other than those mentioned in 10 09 15
10 10 16	Waste crack-indicating agent other than those mentioned in 10 10 15
10 11 10	Waste preparation mixture before thermal processing, other than those mentioned in 10 11 09
10 11 14	Glass-polishing and -grinding sludge other than those mentioned in 10 11 13
10 11 18	Sludges and filter cake from flue-gas treatment other than those mentioned in 10 11 17
10 12 01	Waste preparation mixture before thermal processing
10 12 05	Sludges and filter cakes from gas treatment
10 12 12	Wastes from glazing other than those mentioned in 10 12 11
10 12 13	Sludge from on-site effluent treatment
10 13 04	Wastes from calcination and hydration of lime
10 13 07	Sludges and filter cakes from gas treatment
10 13 10	Wastes from asbestos-cement manufacture other than those mentioned in 10 13 09
10 13 11	Wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
11 01 10	Sludges and filter cakes other than those mentioned in 11 01 09
11 01 12	Aqueous rinsing liquids other than those mentioned in 11 01 11
11 01 14	Degreasing wastes other than those mentioned in 11 01 13
11 02 03	Wastes from the production of anodes for aqueous electrolytical processes
11 02 06	Wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
12 01 02	Ferrous metal dust and particles
12 01 04	Non-ferrous metal dust and particles
12 01 15	Machining sludges other than those mentioned in 12 01 14
16 01 15	Antifreeze fluids other than those mentioned in 16 01 14
16 01 22	Components not otherwise specified
16 02 16	Components removed from discarded equipment other than those mentioned in 16 02 15
16 03 04	Inorganic wastes other than those mentioned in 16 03 04
16 03 06	Organic wastes other than those mentioned in 16 03 05

Table S3.8 Permitted waste types and quantities for Aqueous Waste Treatment DAA

Maximum quantity	1000 tonnes per day
Waste code	Description
16 05 09	Discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08
16 08 04	Spent fluid catalytic cracking catalysts (except 16 08 07)
16 10 02	Aqueous liquid wastes other than those mentioned in 16 10 01
16 10 04	Aqueous concentrates other than those mentioned in 16 10 03
17 03 02	Bituminous mixtures other than those mentioned in 17 03 01
17 05 06	Dredging spoil other than those mentioned in 17 05 05
17 09 04	Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02, 17 09 03
18 01 07	Chemicals other than those mentioned in 18 01 06
18 01 09	Medicines other than those mentioned in 18 01 08
18 02 06	Chemicals other than those mentioned in 18 02 05
18 02 08	Medicines other than those mentioned in 18 02 07
19 01 16	Boiler dust other than those mentioned in 19 01 15
19 02 03	Premixed wastes composed only of non-hazardous wastes
19 02 06	Sludges from physico/chemical treatment other than those mentioned in 19 02 05
19 02 10	Solid combustible wastes other than those mentioned in 19 02 08 and 19 02 09
19 04 01	Vitrified waste
19 04 04	Aqueous liquid wastes from vitrified waste tempering
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 03	Landfill leachate other than those mentioned in 19 07 02
19 08 02	Waste from desanding
19 08 05	Sludges from treatment of urban waste water
19 08 09	Grease and oil mixture from oil/water separation containing only edible oils and fats
19 08 12	Sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
19 08 14	Sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 09 02	Sludges from water clarification
19 09 03	Sludges from decarbonation
19 09 06	Solution and sludges from regeneration of ion exchangers
19 11 06	Sludges from on-site effluent treatment other than those mentioned in 19 11 05
19 12 12	Other wastes (including mixtures of materials) from mechanical treatment of waste other than those mentioned in 19 12 11
19 13 04	Sludges from soil remediation other than those mentioned in 19 13 03
19 13 06	Sludges from groundwater remediation other than those mentioned in 19 13 05
19 13 08	Aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07
20 01 25	Edible oil and fat
20 01 30	Detergents other than those mentioned in 20 01 29
20 01 32	Medicines other than those mentioned in 20 01 31
20 03 03	Street-cleaning residues
20 03 04	Septic tank sludge
20 03 06	Waste from sewage cleaning

Schedule 4 – Emissions and monitoring

Table S4.1 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
Emission points from all tanks including but not restricted to U1 – U5, P1-P4, A1-A5, B1-B3, M1, A14-15, A17-A19	No parameters set	Storage tanks	No limit set	--	--	Permanent sampling access not required

Table S4.2 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference period	Monitoring frequency	Monitoring standard or method
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Table S4.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
S1 on site plan reference 7191/05/P1 3 of 3 emission to Severn Trent Water Strongford Sewage Treatment Works	No parameters set	Site Aqueous Treatment Plant	-----	-----	-----	-----

Schedule 5 - Reporting

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

Table S5.1 Reporting of monitoring data

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to air Parameters as required by condition 3.6.1.	Emission points from all tanks including but not restricted to U1 – U5, P1-P4, A1-A5, B1-B3, M1, A14-15, A17-A19	No reporting period set	n/a
Emissions to sewer Parameters as required by condition 3.6.1	S1	No reporting period set	n/a

Table S5.2: Annual production/treatment

Parameter	Units
Waste oil dispatched / receipts	tonnes

Table S5.3 Performance parameters

Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy use:		
▪ Specific Energy Consumption (per tonne product)	Annual	MWh/tonne Waste Oil Despatched
▪ Primary carbon dioxide per tonne product	Annual	tonnes/tonne Waste Oil Despatched

Table S5.4 Reporting forms

Media/parameter	Reporting format	Date of form
Water usage	Form water usage1 or other form as agreed in writing by the Agency	12/10/07
Energy usage	Form energy 1 or other form as agreed in writing by the Agency	12/10/07
Annual Production / Treatment.	Form Annual Production / Treatment 1 or other form as agreed in writing by the Agency	12/10/07

Schedule 6 - 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 PPC Regulations.

Part A

Permit Number	LP3337ML
Name of operator	Castle Oils Limited
Location of Installation	Stoke Waste Treatment and Transfer Facility
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

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

Name*	
Post	
Signature	
Date	

_____ * authorised to sign on behalf of Castle Oils Limited

Schedule 7 - Interpretation

"*accident*" means an accident that may result in pollution.

"*accident management plan*" means a documented procedure (or procedures) that set out the measures necessary to prevent accidents occurring within the permitted installation, during both normal and abnormal operations, and limit the consequences to human health or the environment of any such accidents that do occur.

"*annually*" means once every year.

"*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 4 to the PPC Regulations.

"*authorised officer*" means any person authorised by the 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.

"*disposal*" shall mean any of the operations provided for in Annex IIA to Directive 75/442/EEC.

"*emissions to land*", includes emissions to groundwater.

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

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

"*land protection guidance*", means Agency guidance "H7 - Guidance on the protection of land under the PPC Regime: application site report and site protection monitoring programme".

"*MCERTS*" means the Environment Agency's Monitoring Certification Scheme.

"*notify/notified without delay*" means that a telephone call can be used, whereas all other reports and notifications must be supplied in writing, either electronically or on paper.

"*PPC Regulations*" means the Pollution, Prevention and Control (England and Wales) Regulations SI 2000 No.1973 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

"*quarter*" means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

"*recovery*" shall mean any of the operations provided for in Annex IIB to Directive 75/442/EEC.

"*relevant person*" and "*relevant conviction*" shall have the meanings given to them in the Environmental Protection Act 1990

"*site protection and monitoring programme*" means a document which meets the requirements for site protection and monitoring programmes described in the Land Protection Guidance.

"*technically competent management*" and "*technical competence*" shall have the meanings given to them in the Environmental Protection Act 1990.

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

“*WFD*” means Waste Framework Directive (75/442/EEC).

“*year*” means calendar year ending 31 December.

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

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

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

END OF PERMIT