

Permit with introductory note

Pollution Prevention and Control (England & Wales) Regulations 2000

Govan Road Treatment Site

Go Environmental Limited
Govan Road
Fenton
Stoke on Trent
Staffordshire
ST4 2RS

Permit number
NP3432MY

Govan Road Treatment Site Permit Number NP3432MY

Introductory note

This introductory note does not form a part of the permit

The main features of the installation are as follows:

The site is located on an industrial estate in Fenton, Stoke on Trent, Staffordshire and is operated by Go Environmental Limited.

The activities comprise waste oil storage and non-hazardous treatment of sludges, aqueous suspensions and landfill leachate. The only treatment operation is the dewatering of non-hazardous waste via two filter presses, which takes place inside a building. The waste oil storage tanks are fully bunded and the below ground reception pits which serve the filter presses are constructed of steel-lined concrete to protect groundwater. All wastes are stored in suitable containers on impermeable pavement to protect local surface water and groundwater.

The site discharges settled effluent from the filter press operation to foul sewer under a Severn Trent Water trade effluent discharge agreement, which is treated at Strongford Sewage Treatment Works prior to discharge to the River Trent. The validated H1 assessment demonstrates that the site does not have a significant impact on the River Trent, although ammonia could be minimised. An improvement programme has been imposed in the permit to review and minimise discharges of this substance to sewer. The operator is also required to monitor emissions to sewer on a monthly basis to protect surface water.

There are no sites of special scientific interest or Habitats Directive sites within 2 km of the site.

Not all of the activities at the site fall under the Pollution Prevention and Control (England and Wales) Regulations 2000 and therefore a residual waste management licence held by Potteries Waste Treatments Limited remains in force for the storage of hazardous waste for the purpose of disposal (no more than 10 tonnes).

Status Log of the permit		
Detail	Date	Response Date
Application NP3432MY	Duly made 26/01/07	
Request for additional information	Requested 09/03/07	Received 02/04/07
Request for additional information	Requested 01/05/07	Received 17/05/07 and 22/05/07
Extension to determination period until 15/07/07	Requested 14/05/07	Received 21/05/07
Permit determined	25/06/07	

Superseded or Partially Superseded Licences/Authorisations/Consents relating to this installation			
Holder	Reference Number	Date of Issue	Fully or Partially Superseded
Potteries Waste Treatments Limited	EAWML 41516	17/07/85	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
Go Environmental Limited	--	01/09/06

End of Introductory Note

Permit

Pollution Prevention and Control
(England and Wales) Regulations 2000

Permit

Permit number

NP3432MY

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

Go Environmental Limited ("the operator"),

whose registered office (or principal office) is

Dresden House

The Strand

Longton

Stoke on Trent

Staffordshire

ST3 2PD

company registration number 4679124

to operate an installation at

Govan Road

Fenton

Stoke on Trent

Staffordshire

ST4 2RS

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

Signed

Date

	25 June 2007
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Phil Reynolds, Regulatory Team Leader (PIR Permitting), Nottingham Strategic Permitting Group

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.

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 red 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.

2.3.3 Waste shall only be accepted if:

- (a) it is of a type and quantity listed in schedule 3 tables S3.1 and S3.2; 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 schedule 1 table S1.1.

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 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 is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.4 Off-site conditions

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 S1.4 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 and S4.2.

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 identified 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, including those specified in schedule 1 table S1.4, 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 within 6 months of the issue of this permit, 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 schedule 4 tables S4.1 and S4.2 to this permit:

(a) point source emissions specified in tables S4.1 and S4.2.

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 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 and S4.2 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 All records required to be held by this permit shall be held on the installation 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 (b)	R13 Storage of waste oil	Waste oil storage in tanks shown on drawing SD002 Waste types as specified in schedule 3 table S3.1
S5.3 A1 (c)(ii)	D9 Physico-chemical treatment of non-hazardous sludges, aqueous suspensions and landfill leachate: primary and secondary settlement, dewatering by filter pressing	Settlement in tanks ST1, ST2, FE1 and FE2 shown on drawing SD002 Dewatering shall take place inside the filter press building shown on SD002 Waste types as specified in schedule 3 table S3.2, excluding malodorous wastes Includes storage of filter cake post treatment inside the filter press building
Directly associated activity	D15 Storage of non-hazardous waste pending submission to the filter press operation	Reception pits shown on drawing SD002
Directly associated activity	Emission of effluent to sewer discharge point S shown on drawing SD002	From settlement tanks ST1, ST2, FE1 and FE2 or from the filter press operation via secondary settlement tanks FE1 and FE2 to point of discharge to the foul sewer

Table S1.2 Operating techniques

Description	Parts	Date Received
Application	Response to questions B2.1.1 excluding waste code 13 01 01*, storage of asbestos/drummed waste and repackaging/bulking of hazardous waste; B2.1.2 excluding drummed waste transfer operation; B2.1.7; B2.1.8; B2.1.9; B2.1.10 excluding drawing SD002; B2.1.11 excluding maximum storage capacity for oil storage tanks and all references to drums storage area; B2.1.12 excluding drawing SD002; B2.1.14; B2.1.17; B2.1.18; B2.1.19; B2.1.20 excluding drawing SD002; B2.1.22 excluding drawing SD002 and all references to drummed waste shown on diagram SD004; B2.1.23; B2.1.24; B2.2.21; B2.2.23; B2.2.24; B2.2.38; B2.2.39; B2.2.40; B2.2.41 excluding all references to drum storage compound; B2.3.1; B2.3.2; B2.3.3; B2.3.4; B2.3.5; B2.3.6; B2.4.5; B2.7.1; B2.7.5; B2.7.6; B2.7.7; B2.7.9; B2.8.2; B2.8.9; B2.10.23 and B2.11.2	26/01/07
Response to request for further information dated 15/01/07	All parts	26/01/07
Response to request for further information dated 09/03/07	Notwithstanding that drawing SD002 excludes drummed waste storage area, all parts excluding points 1, 2, 3, 6, 7, 10, 11, 14, 18 and 22	02/04/07
Response to request for further information dated 01/05/07	Notwithstanding that procedure WP 0209-SIP excludes washing-out of road tankers containing waste oils at the site, all parts excluding point 4	17/05/07
Response to request for further information dated 01/05/07	Drawings appendix A3 and appendix B1	22/05/07

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IP1	The operator shall produce and implement written procedures that accord with section 2.1.1 of Sector Guidance Note S5.06, December 2004 (amended by Oil Recovery Sector, Agreed responses to application questions, October 2006), to assess waste oils prior to acceptance on the site.	25/09/07
IP2	The operator shall produce and implement written procedures that accord with section 2.1.2 of Sector Guidance Note S5.06, December 2004 (amended by Oil Recovery Sector, Agreed responses to application questions, October 2006), to cover load inspection, sampling of bulk wastes, waste rejection procedures and records for waste oils to ensure that low flash point wastes are not accepted.	25/09/07
IP3	<p>The operator shall carry out a written review of the design, method of construction and integrity of all bunds surrounding above ground tanks. This shall compare existing bunds against the standards set out in section 2.2.5 of Sector Guidance Note S5.06, December 2004, 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 the Design of Containment Systems for the prevention of water pollution from industrial incidents, for tanks with a capacity of > 25 m3 (ISBN: 0 86017 476X). The review shall include:</p> <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 and inspection regime <p>The review shall be carried out by a qualified structural engineer.</p> <p>A copy of the review shall be submitted in writing to the Agency for approval. The Agency approval shall include timescales for the operator to implement the improvements and the maintenance and inspection regime.</p>	25/09/07
IP4	The operator shall review the integrity of all storage tanks and site surfacing against the requirements of sections 2.1.3 and 2.2.5 of Sector Guidance Note S5.06, December 2004. The review shall identify any measures necessary to meet those requirements and propose a timescale for implementing them. A copy of the review shall be submitted in writing to the Agency for approval. The Agency approval shall include timescales for the operator to implement the improvements.	25/09/07
IP5	<p>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 against the guidelines set out in:</p> <ul style="list-style-type: none"> • BS 5908: Code of Practice for Fire Precautions in the Chemical and Allied Industries, and • PPG 18 – Managing Fire-water and major spillages. <p>A written report summarising the assessment shall be submitted to the Agency for approval. The Agency approval shall include timescales for the operator to implement the improvements.</p>	25/09/07
IP6	The operator shall review the discharge of ammonia to sewer and propose an improvement programme to reduce the total quantity of ammonia discharged. The results of this review along with a timescale for implementation of any improvements shall be reported to the Agency in writing.	24/12/07
IP7	The operator shall review the methods of analysis used at the installation. The review shall produce and implement methods that are compliant with MCERTS standards as appropriate following Sector Guidance Note S5.06, December 2004.	25/06/08
IP8	The operator shall review the options for separating and reusing uncontaminated roof and surface water that accords with section 2.4.3 of Sector Guidance Note S5.06, December 2004, to prevent dilution of waste held in the reception pits and unnecessary treatment. The results of this review along with a timescale for implementation of any improvements shall be reported to the Agency in writing.	24/12/08

IP9	The operator shall develop and implement a formal documented environmental management system that accords with the requirements of section 2.3 of Sector Guidance Note S5.06, December 2004, to ensure that the system is externally audited. The operator shall notify the Agency in writing on completion and implementation of the environmental management system.	25/06/09
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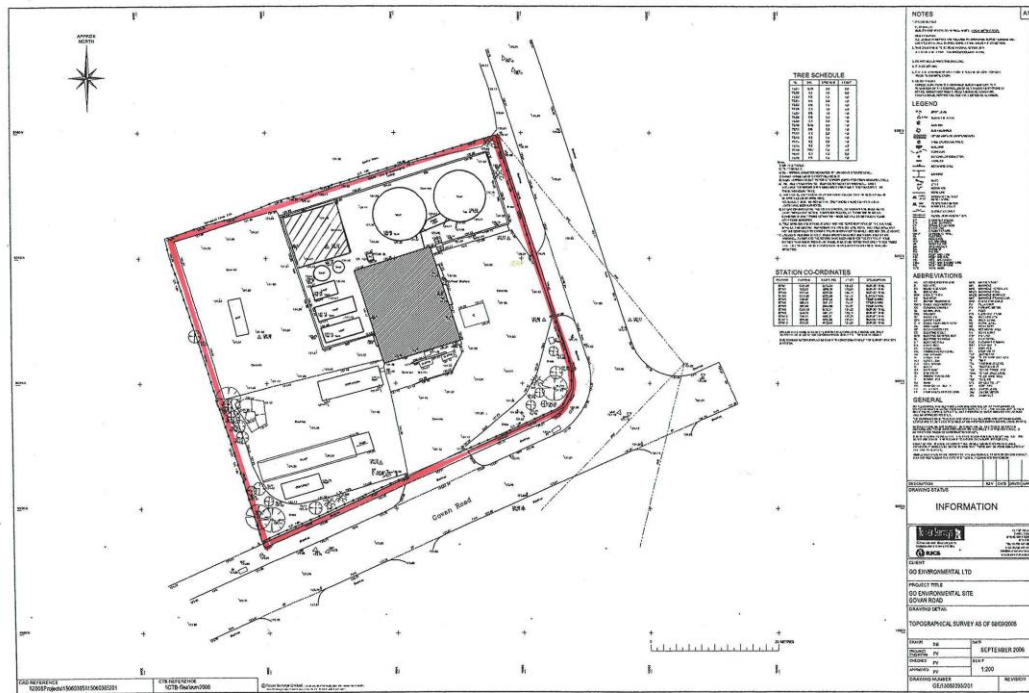
Table S1.4 Pre-operational measures

Reference	Pre-operational measures
1	At least 2 weeks prior to acceptance the operator shall submit an odour management plan detailing the measures to be used to control emissions of odour from the storage and filter pressing of non-hazardous landfill leachate in accordance with Appendix 7 (template for an odour management plan) of Horizontal Guidance Note H4 (Horizontal Guidance for Odour (Part 1)).

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 fugitive emissions and shall be accordance with section 2.2.4 of Sector Guidance Note S5.06, December 2004. The plan shall be implemented by the operator from the date of approval in writing by the Agency.	24/12/07

Schedule 2 - Site plan



Not to scale

Schedule 3 - Waste types

Table S3.1 Permitted waste types and quantities for storage of waste oil	
Maximum quantity	140 tonnes
Waste code	Description
13	OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)
13 01	waste hydraulic oils
13 01 04*	chlorinated emulsions (comprising separately collected and stored fractions only)
13 01 05*	non-chlorinated emulsions (comprising separately collected and stored fractions only)
13 01 09*	mineral-based chlorinated hydraulic oils (comprising separately collected and stored fractions only)
13 01 10*	mineral based non-chlorinated hydraulic oils
13 01 11*	synthetic hydraulic oils
13 01 12*	readily biodegradable hydraulic oils
13 01 13*	other hydraulic oils
13 02	waste engine, gear and lubricating oils
13 02 04*	mineral-based chlorinated engine, gear and lubricating oils (comprising separately collected and stored fractions only)
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
13 02 06*	synthetic engine, gear and lubricating oils
13 02 07*	readily biodegradable engine, gear and lubricating oils
13 02 08*	other engine, gear and lubricating oils
13 03	waste insulating and heat transmission oils
13 03 06*	mineral-based chlorinated insulating and heat transmission oils other than those mentioned in 13 03 01 (comprising separately collected and stored fractions only)
13 03 07*	mineral-based non-chlorinated insulating and heat transmission oils
13 03 08*	synthetic insulating and heat transmission oils
13 03 09*	readily biodegradable insulating and heat transmission oils
13 03 10*	other insulating and heat transmission oils
13 05	oil/water separator contents
13 05 06*	oil from oil/water separators
13 07	wastes of liquid fuels
13 07 01*	fuel oil and diesel (comprising kerosene and diesel only)

Table S3.2 Permitted waste types and quantities for physico-chemical treatment of non-hazardous wastes	
Maximum quantity	792 tonnes
Waste code	Description
01	WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS
01 04	wastes from physical and chemical processing of non-metalliferous minerals
01 04 13	wastes from stone cutting and sawing other than those mentioned in 01 04 07
01 05	drilling muds and other drilling wastes
01 05 04	freshwater drilling muds and wastes
02	WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING
02 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 01	sludges from washing and cleaning
02 03	wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing
02 03 05	sludges from on-site effluent treatment
02 04	wastes from sugar processing
02 04 03	sludges from on-site effluent treatment
02 05	wastes from the dairy products industry
02 05 02	sludges from on-site effluent treatment
02 06	wastes from the baking and confectionery industry
02 06 03	sludges from on-site effluent treatment
02 07	wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)
02 07 05	sludges from on-site effluent treatment
03	WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD
03 03	wastes from pulp, paper and cardboard production and processing
03 03 11	sludges from on-site effluent treatment other than those mentioned in 03 03 10
04	WASTES FROM LEATHER, FUR AND TEXTILES INDUSTRIES
04 02	wastes from the textile industry
04 02 20	sludges from on-site effluent treatment other than those mentioned in 04 02 19
06	WASTES FROM INORGANIC CHEMICAL PROCESSES
06 05	sludges from on-site effluent treatment
06 05 03	sludges from on-site effluent treatment other than those mentioned in 06 05 02
07	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 01	wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
07 01 12	sludges from on-site effluent treatment other than those mentioned in 07 01 11
07 03	wastes from the MFSU of organic dyes and pigments (except 06 11)
07 03 12	sludges from on-site effluent treatment other than those mentioned in 07 03 11
07 04	wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides
07 04 12	sludges from on-site effluent treatment other than those mentioned in 07 04 11
07 05	wastes from the MFSU of pharmaceuticals
07 05 12	sludges from on-site effluent treatment other than those mentioned in 07 05 11
07 06	wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
07 06 12	sludges from on-site effluent treatment other than those mentioned in 07 06 11
07 07	wastes from the MFSU of fine chemicals and chemical products not otherwise specified
07 07 12	sludges from on-site effluent treatment other than those mentioned in 07 07 11

Table S3.2 Permitted waste types and quantities for physico-chemical treatment of non-hazardous wastes	
Maximum quantity	792 tonnes
Waste code	Description
08	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01	wastes from MFSU and removal of paint and varnish
08 01 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 20	aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
08 02	wastes from MFSU and removal of paint and varnish
08 02 02	aqueous sludges containing ceramic materials
08 02 03	aqueous suspensions containing ceramic materials
08 03	wastes from MFSU of printing inks
08 03 07	aqueous sludges containing ink
08 03 08	aqueous liquid waste containing ink
08 03 15	ink sludges other than those mentioned in 08 03 14
08 04	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 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	WASTES FROM THERMAL PROCESSES
10 01	wastes from power stations and other combustion plants (except 19)
10 01 21	sludges from on-site effluent treatment other than those mentioned in 10 01 20
10 01 23	aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
10 02	wastes from the iron and steel industry
10 02 15	other sludges and filter cakes
10 11	wastes from manufacture of glass and glass products
10 11 14	glass-polishing and grinding sludge other than those mentioned in 10 11 13
10 12	wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 12	wastes from glazing other than those mentioned in 10 12 11
10 12 13	sludge from on-site effluent treatment
10 13	wastes from manufacture of cement, lime and plaster and articles and products made from them
10 13 14	waste concrete and concrete sludge
11	WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO METALLURGY
11 01	wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodising)
11 01 10	sludges and filter cakes other than those mentioned in 11 01 09
11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11
12	WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS
12 01	wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01 15	machining sludges other than those mentioned in 12 01 14
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 03	off-specification batches and unused products
16 03 04	inorganic wastes other than those mentioned in 16 03 03
16 03 06	organic wastes other than those mentioned in 16 02 15
16 10	aqueous liquid wastes destined for off-site treatment
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01

Table S3.2 Permitted waste types and quantities for physico-chemical treatment of non-hazardous wastes	
Maximum quantity	792 tonnes
Waste code	Description
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION/INDUSTRIAL USE
19 02	wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05
19 07	landfill leachate
19 07 03	landfill leachate other than those mentioned in 19 07 02
19 09	wastes from the preparation of water intended for human consumption or water for industrial use
19 09 06	solutions and sludges from regeneration of ion exchangers
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 03	other municipal wastes
20 03 03	street-cleaning residues

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
Vents from waste oil storage tanks shown on drawing appendix B1	No parameters set	Waste oil storage tanks	No limit set	--	--	Permanent sampling access not required

Table S4.2 Point source emissions to 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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Sewer discharge point S shown on drawing SD002 to Severn Trent Water Strongford Sewage Treatment Works	Maximum flow volume	V-notch discharge bath	300 m ³ /24 hrs	--	Continuous and integrated daily flow rate	SCA Estimation of Flow and Load, ISBN 011752364X
Sewer discharge point S shown on drawing SD002 to Severn Trent Water Strongford Sewage Treatment Works	Maximum flow rate	V-notch discharge bath	5.0 l/s	--	Continuous	SCA Estimation of Flow and Load, ISBN 011752364X
Sewer discharge point S shown on drawing SD002 to Severn Trent Water Strongford Sewage Treatment Works	pH	V-notch discharge bath	6.0-10.0	--	Continuous	SCA Measurement of Electronic Conductivity and determination of pH
Sewer discharge point S shown on drawing SD002 to Severn Trent Water Strongford Sewage Treatment Works	COD (as O)	V-notch discharge bath	10000 mg/l	24-hr flow-proportional, composite sample	Monthly	As agreed in writing by the Agency
Sewer discharge point S shown on drawing SD002 to Severn Trent Water Strongford Sewage Treatment Works	COD load	V-notch discharge bath	1500 kg/24 hrs	--	--	Calculated as specified in the Severn Trent Water trade effluent discharge agreement
Sewer discharge point S shown on drawing SD002 to Severn Trent Water Strongford Sewage Treatment Works	Suspended solids	V-notch discharge bath	400 mg/l	24-hr flow-proportional, composite sample	Monthly	As agreed in writing by the Agency
Sewer discharge point S shown on drawing SD002 to Severn Trent Water Strongford Sewage Treatment Works	Chromium	V-notch discharge bath	3.0 mg/l	24-hr flow-proportional, composite sample	Monthly	BS 6068: Section 2.60 1998, Determination of 33 Elements by Inductively Coupled Plasma Atomic Emission Spectroscopy
Sewer discharge point S shown on drawing SD002 to Severn Trent Water Strongford Sewage Treatment Works	Lead	V-notch discharge bath	3.0 mg/l	24-hr flow-proportional, composite sample	Monthly	BS 6068: Section 2.60 1998, Determination of 33 Elements by Inductively Coupled Plasma Atomic Emission Spectroscopy
Sewer discharge point S shown on drawing SD002 to Severn Trent Water Strongford Sewage Treatment Works	Lead load	V-notch discharge bath	0.5 kg/day	--	--	As agreed in writing by the Agency

Sewer discharge point S shown on drawing SD002 to Severn Trent Water Strongford Sewage Treatment Works	Nickel	V-notch discharge bath	5.0 mg/l	24-hr flow-proportional, composite sample	Monthly	BS 6068: Section 2.60 1998, Determination of 33 Elements by Inductively Coupled Plasma Atomic Emission Spectroscopy
Sewer discharge point S shown on drawing SD002 to Severn Trent Water Strongford Sewage Treatment Works	Zinc	V-notch discharge bath	8.0 mg/l	24-hr flow-proportional, composite sample	Monthly	BS 6068: Section 2.60 1998, Determination of 33 Elements by Inductively Coupled Plasma Atomic Emission Spectroscopy
Sewer discharge point S shown on drawing SD002 to Severn Trent Water Strongford Sewage Treatment Works	Zinc load	V-notch discharge bath	1.5 kg/day	--	--	As agreed in writing by the Agency
Sewer discharge point S shown on drawing SD002 to Severn Trent Water Strongford Sewage Treatment Works	Ammoniacal nitrogen (as N)	V-notch discharge bath	600 mg/l	24-hr flow-proportional, composite sample	Monthly	US EPA Method 320 for Extractive Instruments. US EPA Method 26 for Wet Chemistry
Sewer discharge point S shown on drawing SD002 to Severn Trent Water Strongford Sewage Treatment Works	Ammonia load	V-notch discharge bath	100 kg/24 hrs	--	--	Calculated as specified in the Severn Trent Water trade effluent discharge agreement
Sewer discharge point S shown on drawing SD002 to Severn Trent Water Strongford Sewage Treatment Works	Sulphides (as S)	V-notch discharge bath	1.0 mg/l	24-hr flow-proportional, composite sample	Monthly	As agreed in writing by the Agency
Sewer discharge point S shown on drawing SD002 to Severn Trent Water Strongford Sewage Treatment Works	Soluble sulphates (as SO ₄)	V-notch discharge bath	1000 mg/l	24-hr flow-proportional, composite sample	Monthly	BS 6068: Section 2.53 1997 Determination of Dissolved Ions by Liquid Chromatography
Sewer discharge point S shown on drawing SD002 to Severn Trent Water Strongford Sewage Treatment Works	Grease and oils	V-notch discharge bath	Nil	24-hr flow-proportional, composite sample	Monthly	SCA Determination of Hydrocarbon Oils in Waters by Solvent Extraction IR Absorption and Gravimetry, ISBN 0117517283
Sewer discharge point S shown on drawing SD002 to Severn Trent Water Strongford Sewage Treatment Works	Temperature	V-notch discharge bath	43 °C	--	Daily	Calibrated temperature probe

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 sewer Parameters as required by condition 3.6.1	Sewer discharge point S shown on drawing SD002	Every 6 months	24/12/07

Table S5.2 Annual production/treatment

Parameter	Frequency of assessment	Units
Quantity of oil recovered	Annually	Tonnes
Quantity of waste disposed of	Annually	Tonnes
Quantity of waste treated	Annually	Tonnes
Total mass emission of ammonia to sewer	Annually	Tonnes

Table S5.3 Performance parameters

Parameter	Frequency of assessment	Units
Water usage	Annually	Tonnes
Energy usage	Annually	MWs

Table S5.4 Reporting forms

Media/parameter	Reporting format	Date of form
Sewer	Form Sewer1 or other form as agreed in writing by the Agency	25/06/07
Water usage	Form WaterUsage1 or other form as agreed in writing by the Agency	25/06/07
Energy usage	Form Energy1 or other form as agreed in writing by the Agency	25/06/07
Waste returns	Form RATS 2 or other form as agreed in writing by the Agency	10/11/05
Other performance indicators	Form Performance1 or other form as agreed in writing by the Agency	25/06/07

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	
Name of operator	
Location of installation	
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	
Substance(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident	

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

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

(c) Notification requirements for the 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 the operator

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:

in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or

in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content

END OF PERMIT