

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Binder Limited

Progress Works Treatment Facility

Progress Works

Old Ipswich Road

Claydon

Ipswich

Suffolk

IP6 0AG

Variation application number

EPR/RP3536SW/V004

Permit number

EPR/RP3536SW

Progress Works Treatment Facility

Permit number EPR/RP3536SW

Introductory note

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

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

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

This variation increases the effluent flow limit for the discharge to surface water from 160m³ to 250m³ per day. There are no new discharge points being added as part of this variation, the installation will continue to use the discharge point referenced in the permit (W1), discharging to Whitton Run (a tributary of the River Gipping).

The site does not continuously discharge into the watercourse and in order to accommodate the 90m³/day increase they propose to discharge for longer periods each day rather than increase the instantaneous flow rate.

Emission limits have been amended for the following parameters: total suspended solids, BOD (biochemical oxygen demand), ammonia, cadmium, lead, chromium, copper, zinc, nickel and total daily discharge volume. The new limits maintain the previous permitted pollutant load to the watercourse and take account of the increased daily discharge volume. The existing limit of 0.001mg/l for mercury has been retained in the permit. Limits for pH and total hydrocarbon oils have also been included in the permit as these are standard conditions for discharges of this nature.

Monitoring and reporting frequencies have not changed as a result of this variation. However, where necessary we have updated the specified monitoring standards and methods in line with our Technical Guidance Note M18 - Monitoring of discharges to water and sewer.

The schedules specify the changes made to the permit.

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

Status log of the permit		
Description	Date	Comments
Application received RP3536SW	Duly made 21/06/06	
Additional information received	22/11/06	
Permit determined	12/03/07	
Agency variation determined EPR/RP3536SW/V002	09/01/14	Agency variation to implement the changes introduced by IED
Application EPR/RP3536SW/V003	Duly made 09/02/17	Application to add one EWC waste code (17 05 03)

Status log of the permit		
Description	Date	Comments
Variation determined EPR/RP3536SW (Billing ref: WP3535YS)	07/04/17	Varied permit issued
Variation application EPR/RP3536SW/V004	Duly made 03/05/17	Application to increase the daily discharge volume limit from 160m ³ to 250m ³
Variation EPR/RP3536SW/V004 determined (Billing/PAS ref: KP3330YP)	28/07/17	Varied and consolidated permit issued

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

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

Permit number

EPR/RP3536SW

Issued to

Binder Limited (“the operator”)

whose registered office is

Progress Works
Old Ipswich Road
Claydon
Ipswich
Suffolk
IP6 0AG

company registration number **02079553**

to operate a regulated facility at

Progress Works Treatment Facility
Progress Works
Old Ipswich Road
Claydon
Ipswich
Suffolk
IP6 0AG

to the extent set out in the schedules.

The notice shall take effect from 28/07/2017

Name	Date
Rebecca Geden	28/07/2017

Authorised on behalf of the Environment Agency

Schedule 1

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

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/RP3536SW

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/RP3536SW/V004 authorising,

Binder Limited (“the operator”),

whose registered office is

Progress Works

Old Ipswich Road

Claydon

Ipswich

Suffolk

IP6 0AG

company registration number 02079553

to operate an installation at

Progress Works Treatment Facility

Progress Works

Old Ipswich Road

Claydon

Ipswich

Suffolk

IP6 0AG

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

Name	Date
Rebecca Geden	28/07/2017

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

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

1.2 Energy efficiency

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

1.3 Efficient use of raw materials

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

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

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

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

2 Operations

2.1 Permitted activities

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

2.2 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 7 to this permit.

2.3 Operating techniques

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

Hazardous waste storage and treatment

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

2.4 Improvement programme

- 2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.

- 2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

3 Emissions and monitoring

3.1 Emissions to water, air or land

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

3.2 Emissions of substances not controlled by emission limits

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

3.3 Odour

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

3.4 Noise and vibration

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

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

3.4.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
- (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Monitoring

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

- (a) point source emissions specified in table S3.1.

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

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

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

3.6 Pests

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

3.6.2 The operator shall:

- (a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution from pests;
- (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

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

- (a) be legible;
- (b) be made as soon as reasonably practicable;

- (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
- (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.

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

4.2 Reporting

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

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

- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
- (b) the annual production /treatment data set out in schedule 4 table S4.2; and
- (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.

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

- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
- (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4 ; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

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

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

4.3 Notifications

4.3.1 In the event:

- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
 - (i) inform the Environment Agency,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and

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

4.3.2 Any information provided under condition 4.3.1(a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

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

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

Where the operator is a registered company:

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

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

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

In any other case:

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

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

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

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

4.4 Interpretation

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

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

Schedule 1 – Operations

Table S1.1 activities		
Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
<p>Section 5.3 A(1)(a)(x) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving oil re-refining or other reuses of oil</p>	<p>Reception of oil contaminated wastes and the storage of recovered oil.</p> <p>R9: Oil re-refining or other reuses of oil</p>	<p>Reception of oil contaminated waste prior to separation and subsequent treatment of non-hazardous liquid fraction.</p> <p>Reception and separation of oil contaminated wastes are not to exceed 94.5 tonnes at any one time.</p> <p>Limited to wastes contained in Table S2.2.</p>
<p>Section 5.4 A(1)(a)(i) Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day by biological treatment</p>	<p>Reception, storage and biological treatment of non-hazardous wastes</p> <p>D15: Biological treatment of non-hazardous waste and storage of sludge</p>	<p>Reception and storage of non-hazardous wastes prior to treatment.</p> <p>Biological treatment of non-hazardous wastes to the discharge of treated effluent via the discharge point (W1) to controlled waters.</p> <p>Reception and storage of non-hazardous wastes are not to exceed 243 tonnes at any one time.</p> <p>Wastes to be treated are limited to wastes contained in Table S2.3.</p>
<p>Section 5.6 A(1)(a) Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes pending any other Chapter 5 activities</p>	<p>Storage of oil contaminated wastes and the storage of recovered oil.</p> <p>R13: Storage of wastes pending any of the operations numbered R1 to R12</p>	<p>Storage of oil contaminated waste prior to separation and subsequent treatment of non-hazardous liquid fraction.</p> <p>Storage of oil contaminated wastes are not to exceed 94.5 tonnes at any one time. Limited to wastes contained in Table S2.2</p> <p>Storage of residual oil contaminated sludge prior to disposal.</p> <p>Storage of recovered waste oil prior to collection for recovery, not to exceed 13.5 tonnes at any one time.</p> <p>Storage of treated, oil-contaminated absorbent materials containing dangerous substances, not to exceed 4.0 tonnes at any one time.</p>

Table S1.1 activities		
Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
Directly Associated Activity		
Storage of process sludge residues	Storage of treated process sludge	Storage of treated process sludge prior to treatment by centrifuge and subsequent disposal of residual solid content
Waste screenings storage	Storage of waste screenings	Collection and storage of waste screening in skips prior to subsequent disposal

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application RP3536SW	The response to section 2.1, excluding 2.1.3 and 2.1.5, and 2.2 in the Application	30/05/06
Receipt of additional information to the application	Additional information detailing operational procedures and practices as a result of changes to the waste treatment process	22/11/06
Application EPR/RP3536SW/V004	Application forms Part C2 and C3 and referenced supporting information	09/02/17

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC 1	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.	Complete
IC 2	The Operator shall produce and implement written procedures (and any amendments to them) that accord with section 2.1.2 of Sector Guidance Note S5.06, December 2004, to cover: The procedures shall specifically focus upon, but not be limited to Load arrival. Load inspection. Sampling of bulk waste. Rejection procedures. Record keeping. A written report summarising the findings shall be submitted to the Agency. A time-scale for implementation of any improvements shall be proposed in this report. Following written approval by the Agency these improvements shall be implemented.	Complete
IC 3	The Operator shall produce and implement written procedures (and any amendments to them) to reduce and where possible prevent fugitive emissions to air from the vessels, containers, pipework and plant equipment used at the installation that accord with section 2.2.4 of Sector Guidance Note IPPC S5.06, December 2004.	Complete
IC 4	The Operator shall implement a formal, documented procedure for the inspection and subsequent maintenance of impervious surfaces and bunds with the purpose of preventing fugitive releases to ground. The procedure shall take into account the requirements of the Sector Guidance Note IPPC S5.06 Issue 3, December 2004(Section 2.2.5). A	Complete

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	written report summarising the findings shall be submitted in writing to the Agency. A time-scale for implementation of any improvements shall be proposed in this report. Following written approval by the Agency these improvements shall be implemented.	
IC 5	The Operator shall implement a formal, documented procedure for the inspection and subsequent maintenance of underground tanks, drains, pipes and collection pits with the purpose of preventing fugitive releases to ground. The procedure will take into account the requirements of the Sector Guidance Note IPPC S5.06 Issue 3, December 2004 (Section 2.2.5). A written report summarising the findings shall be submitted to the Agency. A timescale for implementation of any improvements shall be proposed in this report. Following written approval by the Agency these improvements shall be implemented.	Complete
IC 6	<p>The operator shall carry out an assessment of the containment measures that exist on site with the purpose of preventing fugitive releases from the Hazardous and non-hazardous wastes stored within the installation. The assessment will take into account the requirements of the Sector Guidance Note IPPC S5.06 Issue 3, December 2004 (Section 2.1.3)</p> <p>The assessment shall specifically focus upon, but not be limited to,</p> <ul style="list-style-type: none"> • The equipping of tanks and vessels with suitable abatement systems and level meters with both audible and visual high-level alarms. • Measures taken to ensure that any spillage on the areas of limited hardstanding will not migrate into the surrounding permeable ground, • The routine programmed inspection of tanks, and mixing vessels including periodic thickness testing. • Storage vessels holding flammable or highly flammable wastes should meet the requirements of HSG51, HSG140, HSG716 and HSG176 • Underground or partially underground vessels without secondary containment should be scheduled for replacement with above-ground structures, for example, double skinned vessels with leakage detection. • Pipework should preferably be routed above ground; if below ground it should be contained within suitable inspection channels. <p>A written report summarising the findings shall be submitted to the Agency. A time-scale for implementation of any improvements shall be proposed in this report. Following written approval by the Agency these improvements shall be implemented.</p>	Complete
IC 7	<p>A revised Accident Management Plan shall be submitted to the Agency for approval. This should identify the hazards, provide an assessment of the risks and identify the techniques necessary to reduce the risks in accordance with the indicative requirements of Section 2.8 of Sector Guidance Note IPPC S5.06. The revised accident management plan should consider, but not be limited to, the following additional potential hazards:</p> <ul style="list-style-type: none"> • abnormal operating conditions leading to abnormal emissions; • transfer of substances; • overfilling of vessels; • firewater containment; and • flooding. 	Complete

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	Where appropriate the plan shall contain dates for the implementation of individual measures. The plan shall be implemented by the operator from the date of approval by the Agency.	
IC 8	<p>The Operator shall develop and implement a formal Environmental Management System (EMS) (as described in Sector Guidance Note IPPC S5.06 Issue 3 December 2004 (Section 2.3)) at the installation having regard to the requirements of ISO14001 or equivalent recognised standards. The EMS shall include all elements described in Section 2.3 of the application and in addition shall include at least the following elements:</p> <ul style="list-style-type: none"> • Procedures for monitoring of emissions and impacts; • Procedures to ensure environmental considerations are incorporated into capital approval and purchasing policies; • A comprehensive system of auditing; • Production of an annual environmental report; and • Procedures for the keeping of records of all aspects of the environmental management system. <p>A written report which describes the main elements of the EMS shall be submitted to the Agency for approval.</p>	Complete
IC 9	A written procedure shall be submitted to the agency detailing the measures to be used so that monitoring equipment, personnel and organisations employed for the emissions monitoring programme shall have either MCERTS certification or accreditation in accordance with condition 3.6.3. The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the procedure.	Complete

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
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Table S2.2 Permitted waste types and quantities for the Reception, Storage and Separation of oil contaminated wastes	
Maximum quantity	Reception, storage and separation of oil contaminated wastes are not to exceed 94.5 tonnes at any one time. Storage of recovered waste oil prior to collection for recovery, not to exceed 13.5 tonnes at any one time.
Waste code	Description
05	Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal
05 01	wastes from petroleum refining
05 01 05*	oil spills
05 01 06*	oily sludges from maintenance operations of the plant or equipment
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 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 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 07*	mineral-based non-chlorinated insulating and heat transmission oils
13 03 08*	synthetic insulating and heat transmission oils
13 03 09*	readily biodegradable insulating and heat transmission oils
13 03 10*	other insulating and heat transmission oils
13 04	bilge oils
13 04 01*	bilge oils from inland navigation
13 04 02*	bilge oils from jetty sewers
13 04 03*	bilge oils from other navigation
13 05	oil/water separator contents
13 05 02*	sludges from oil/water separators

Table S2.2 Permitted waste types and quantities for the Reception, Storage and Separation of oil contaminated wastes	
Maximum quantity	Reception, storage and separation of oil contaminated wastes are not to exceed 94.5 tonnes at any one time. Storage of recovered waste oil prior to collection for recovery, not to exceed 13.5 tonnes at any one time.
Waste code	Description
13 05 03*	interceptor sludges
13 05 06*	oil from oil/water separators
13 05 07*	oily water from oil/water separators
13 05 08*	mixtures of wastes from grit chambers and oil/water separators
13 07	wastes of liquid fuels
13 07 01*	fuel oil and diesel
13 07 03*	other fuels (including mixtures)
15	Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified
15 02	absorbents, filter materials, wiping cloths and protective clothing
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances
16	Wastes not otherwise specified in the list
16 07	wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)
16 07 08*	wastes containing oil
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 03*	soil and stones containing hazardous substances
19	Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use
19 02	wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
19 02 05*	sludges from physico/chemical treatment containing hazardous substances
19 08	wastes from waste water treatment plants not otherwise specified
19 08 01	screenings
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	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 01	separately collected fractions (except 15 01)
20 01 25	edible oil and fat
20 03	other municipal wastes
20 03 03	street-cleaning residues

Table S2.3 Permitted waste types and quantities for the Reception and Storage and Treatment of non-hazardous wastes.	
Maximum quantity	Reception and storage and treatment of non-hazardous /Septic tank wastes are not to exceed 243 tonnes at any one time.
Waste code	Description
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 04	soil and stones other than those mentioned in 17 05 03
19	Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use
19 08	wastes from waste water treatment plants not otherwise specified
19 08 01	Screenings
19 11	wastes from oil regeneration
19 11 06	sludges from on-site effluent treatment other than those mentioned in 19 11 05
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 03	other municipal wastes
20 03 04	septic tank sludge
20 03 06	waste from sewage cleaning

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
Emission to Whitton Run, a tributary of the River Gipping: <u>Sample point</u> location shown on site plan in schedule 7 <u>Emission point</u> shown as W1 on site plan in schedule 7	Effluent Treatment Plant	Total daily volume of discharge	250 m ³ /day	24 hour total	Continuous	MCERTS self-monitoring of effluent flow scheme
		Total suspended solids	20 mg/l	Periodic (Spot Sample)	Monthly	BS EN 872
		BOD (Biochemical oxygen demand)	13 mg/l			SCA blue book 130 ISBN 0117522120
		Ammonia	3.5 mg/l			SCA blue book 48 ISBN 01175 16139
		Cadmium	0.004 mg/l			BS EN ISO 11885
		Mercury	0.001 mg/l			BSEN ISO 11885
		Lead	0.2 mg/l			BSEN ISO 11885
		Chromium	0.2 mg/l			BSEN ISO 11885
		Copper	0.052 mg/l			BSEN ISO 11885
		Zinc	0.33 mg/l			BSEN ISO 11885
		Nickel	0.13 mg/l			BSEN ISO 11885
		pH	6-9			BS ISO 10523
		Total Hydrocarbons Oils	No visible oil or grease			Visual

Schedule 4 – Reporting

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

Table S4.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to water Parameters as required by condition 3.5.1	<u>Sample point</u> location shown on site plan in schedule 7 <u>Emission point</u> shown as W1 on site plan in schedule 7	Quarterly	01 January, 01 April, 01 July, 01 October

Table S4.2: Annual production/treatment	
Parameter	Units
Treatment of hazardous waste	tonnes
Treatment of non-hazardous waste	tonnes
Production/disposal of waste sludge/cake	tonnes
Disposal of recovered oil	tonnes

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy usage	Annually	MWs
Production/disposal of waste sludge/cake	Annually	tonnes
Disposal of recovered oil	Annually	tonnes

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Water	Form water 1 or other form as agreed in writing by the Environment Agency	28/07/2017
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	28/07/2017
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	28/07/2017
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	28/07/2017

Schedule 5 – Notification

These pages outline the information that the operator must provide.

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

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

Part A

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

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

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

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

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

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

Part B – to be submitted as soon as practicable

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

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

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

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

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

“background concentration” means such concentration of that substance as is present in:

- for emissions to surface water, the surface water quality up-gradient of the site; or
- for emissions to sewer, the surface water quality up-gradient of the sewage treatment works discharge.

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

“emissions to land” includes emissions to groundwater.

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

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

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

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

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

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

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

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

“Pests” means Birds, Vermin and Insects.

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

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

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

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

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.

“year” means calendar year ending 31 December.

When the following terms appear in the waste code list in Schedule 2, tables S2.2 and S2.3, for that table/those tables, they have the meaning given below:

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

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

“PCBs” means

- polychlorinated biphenyls
- polychlorinated terphenyls
- monomethyl-tetrachlorodiphenyl methane, Monomethyl-dichloro-diphenyl methane, Monomethyldibromo-diphenyl methane
- any mixture containing any of the above mentioned substances in a total of more than 0,005 %by weight

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

“stabilisation” means processes which change the hazardousness of the constituents in the waste and transform hazardous waste into non-hazardous waste

“solidification” means processes which only change the physical state of the waste by using additives without changing the chemical properties of the waste

“partly stabilised wastes” means wastes containing, after the stabilisation process, hazardous constituents which have not been changed completely into non-hazardous constituents and could be released into the environment in the short, middle or long term

Schedule 7 – Site plan



Key		Key	
	Boundary of the installation containing both processes, including line of discharge pipe for treated water.		Tanker discharge area.
	Incoming load sampling and acceptance area.		Map Reference: 61355 24905
W1	Treated water discharge point to Whitton Run.		

OS Map TM1348 purchased from Ordnance Survey (1:2500 Siteplan) and modified to show site of installation. Do not scale.

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