

# **Notice of variation and consolidation with introductory note**

The Environmental Permitting (England & Wales) Regulations 2010

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Heathrow Airport Limited

Pollution Control System serving the  
Western Catchment of Heathrow  
Airport  
Hounslow  
Middlesex

Variation notice number  
N/WR0614/V001

Permit number  
N/WR0614

# **Pollution Control System serving the Western Catchment of Heathrow Airport Permit number N/WR0614**

## **Introductory note**

***This introductory note does not form a part of the permit***

The following notice, which is issued pursuant to regulations 18 and 20 and Part 1 of Schedule 5 of the Environmental Permitting (England and Wales) Regulations 2010, S.I.2010 No. 675 (the Regulations), gives notice of the variation of an environmental permit to operate a regulated facility and the replacement of that permit with a consolidated environmental permit.

This variation is to update the current permit into the Environmental Permitting Regulations 2010 in order to resolve an appeal which resulted from a modification notice issued on 23<sup>rd</sup> December 2009, regarding the expiry of the extreme weather condition after 3 years. The effluent is of a trade nature only. The discharge is rainfall related.

The Surface Water Outfall Tunnel will hereafter be referred to as the SWOT.

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

<b>Status Log of the permit</b>		
<b>Detail</b>	<b>Date</b>	<b>Comments</b>
Permit determined N/WR0614	23/10/2003	
Modification determined N/WR0614	04/04/2006	
Modification determined N/WR0614	22/02/2007	
Modification determined N/WR0614	25/03/2008	
Modification determined N/WR0614	27/03/2009	
Modification determined N/WR0614	12/06/2009	
Modification determined N/WR0614	29/09/2009	
Modification determined N/WR0614	23/12/2009	
Regulator initiated variation determined N/WR0614/V001	07/12/2010	

End of introductory note

The Environmental Permitting  
(England and Wales) Regulations 2010

**Permit number**  
**N/WR0614**

**Variation notice number**  
**N/WR0614/V001**

**Operator**  
**Heathrow Airport Limited**

whose registered office is

**The Compass Centre**  
**Nelson Road**  
**Hounslow**  
**Middlesex**  
**TW6 2GW**

**Company registration number**  
**1991017**

**Regulated facility**  
**The Western catchment**  
**Heathrow Airport**  
**Hounslow**  
**Middlesex**

The Environment Agency in exercise of its powers under Regulations 18 and 20 and Part 1 of Schedule 5 of the Environmental Permitting (England and Wales) Regulations 2010 (SI 2010 No 675) varies the environmental permit as set out below and that permit is varied to the extent set out in Schedules 1 to 4 of this notice and replaced with a consolidated permit in the form set out in Schedule 5.

The notice shall take effect from the 7<sup>th</sup> day of December 2010.

Name	Date
<b>Mark Hutchinson</b>	<b>07/12/2010</b>

Authorised on behalf of the Environment Agency

**Schedule 1 – Conditions to be deleted**

The following conditions are deleted as the result of a regulator-initiated variation:

- All

**Schedule 2 – Conditions to be amended**

None

**Schedule 3 – Conditions to be added**

The following conditions are added as the result of a regulator-initiated variation.

- All

**Schedule 4 – Amended plan**

None

**Schedule 5 – Varied and consolidated permit**

Please see attached.

# 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 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.

## 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 green and the discharge shall be made at the point marked on the site plan at schedule 7 to this permit and as listed in table S3.2 (discharge points).

### 2.3 Operating techniques

- 2.3.1 (a) 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.
- (b) 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 specified in schedule 1, table S1.2 or otherwise required under this permit, 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.

## **2.4 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**

- 3.1.1 There shall be no point source emissions to water except from the sources and emission points listed in schedule 3.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.

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

### **3.3 Monitoring**

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

## **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.

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.

### **4.3 Notifications**

4.3.1 The Environment Agency shall be notified without delay following the detection of:

- (a) 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;
- (b) the breach of a limit specified in the permit; or
- (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 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.

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.

## **4.4 Interpretation**

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

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "without delay", in which case it may be provided by telephone.

# Schedule 1 - Operations

Table S1.1 Activities	
Description of activity	Limits of specified activity
Trade effluent comprising construction and airport site drainage discharging via outlet A	N/A

Table S1.2 Operating techniques		
Description	Parts	Date Received
Trade effluent comprising construction and airport site drainage discharging via outlet A	1. Heathrow Airport De/anti-icing Code of Practice	12/11/2010
Trade effluent comprising construction and airport site drainage discharging via outlet A	2. Heathrow Airport Surface Water Pollution Control System Operating Techniques Version 1.0	12/11/2010

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IP1	<p><b>Step 1:</b></p> <p>A written 'Improvement Plan' shall be presented to the Environment Agency for approval by the date shown.</p> <p>The 'Improvement Plan' will assess the short term (up to Sept 2011), medium term (Sept 2011 to March 2013) and long term (April 2013 to March 2018) options and will propose a series of short, medium and long term actions (as defined above) to be taken to improve the efficiency and capabilities of the Pollution Control System (PCS) to reduce the impact of emissions on the receiving waters.</p> <p>Impact on the receiving waters will be assessed using a methodology agreed with the Environment Agency.</p> <p>Urban Pollution Management (UPM) methodology for the management of urban wastewater discharges during wet weather, or such other methodology as agreed with the Environment Agency, will then be used to design the improvements to the PCS.</p> <p>The plan shall contain dates for the implementation of individual measures. Where it does not do so it shall explain why this is not possible.</p>	1 July 2011
	<p><b>Step 2:</b></p> <p>The approved plan shall be incorporated into the Operator's written Management System and implemented by the Operator.</p> <p>The Plan shall be regularly reviewed and any proposed updates submitted to the Environment Agency prior to implementation.</p>	Once Plan approved

## **Schedule 2 - Waste types, raw materials and fuels**

Wastes are not accepted as part of the permitted activities and there are no restrictions on raw materials or fuels under this schedule.

## Schedule 3 – Emissions and monitoring

**Table S3.1 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements**

Discharge source and discharge point ref. & location	Parameter	Limit (including unit)	Reference Period	Limit of effective range	Monitoring frequency	Compliance Statistic
Trade effluent comprising construction and airport site drainage discharging via outlet A	Biochemical oxygen demand (measured after 5 days at 20c with nitrification suppressed by the addition of allyl-thiourea)	40 mg/l As detailed in Footnote 1	Instantaneous (spot sample)	N/A	N/A	Maximum
Trade effluent comprising construction and airport site drainage discharging via outlet A	Suspended solids (measured after drying at 105° C)	100 mg/l As detailed in Footnote 1	Instantaneous (spot sample)	N/A	N/A	Maximum
Trade effluent comprising construction and airport site drainage discharging via outlet A	pH	6 to 9	Instantaneous (spot sample)	N/A	N/A	Minimum and maximum
Trade effluent comprising construction and airport site drainage discharging via outlet A	Visible oil or grease	No significant trace present . As detailed in Footnote 2	Instantaneous (spot sample)	N/A	N/A	No significant trace

### Footnote 1

In the event that extreme weather conditions have adversely affected the operation of the pollution control system and the operator has taken all appropriate measures to minimise the emission and to mitigate any adverse effect, no result of any sample of the discharge taken during that time shall be used in deciding whether or not the emission limits have been complied with.

In the event that extreme weather causes an unforeseen loss of power supply to the treatment facilities onsite and all appropriate measures have been taken to ameliorate the loss, no result of any sample of the discharge taken during that time shall be used in deciding whether or not the emission limits have been complied with.

**Footnote 2**

As far as is reasonably practical the Airport shall be operated as to prevent the Discharge from containing any significant trace of oil or grease at the SWOT outfall and in any event shall not cause any visible trace of oil or grease to appear on the surface of the Clockhouse Lane Pit outside the emergency oil separation facility.

<b>Table S3.2 Discharge points</b>			
<b>Effluent Name</b>	<b>Discharge Point</b>	<b>Discharge point NGR</b>	<b>Receiving water/Environment</b>
Trade effluent comprising construction and airport site drainage	Outlet A	TQ 0770 7295	Clockhouse Lane Pit (via the SWOT)

<b>Table S3.3 Monitoring points</b>		
<b>Effluent name</b>	<b>Monitoring type</b>	<b>Monitoring point NGR</b>
Trade effluent comprising construction and airport site drainage	Effluent sample point	TQ 0770 7295

## **Schedule 4 – Reporting**

There is no reporting under this schedule.



# Schedule 5 - Notification

These pages outline the information that the operator must provide.

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

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

## Part A

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

### **(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution**

#### **To be notified within 24 hours of detection**

Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

### **(b) Notification requirements for the breach of a limit**

#### **To be notified within 24 hours of detection unless otherwise specified below**

Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be 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.	

<b>Name*</b>	
<b>Post</b>	
<b>Signature</b>	
<b>Date</b>	

\* authorised to sign on behalf of Heathrow Airport Limited

## Schedule 6 - Interpretation

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

*“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 5 to the EP Regulations.

*“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 limit..

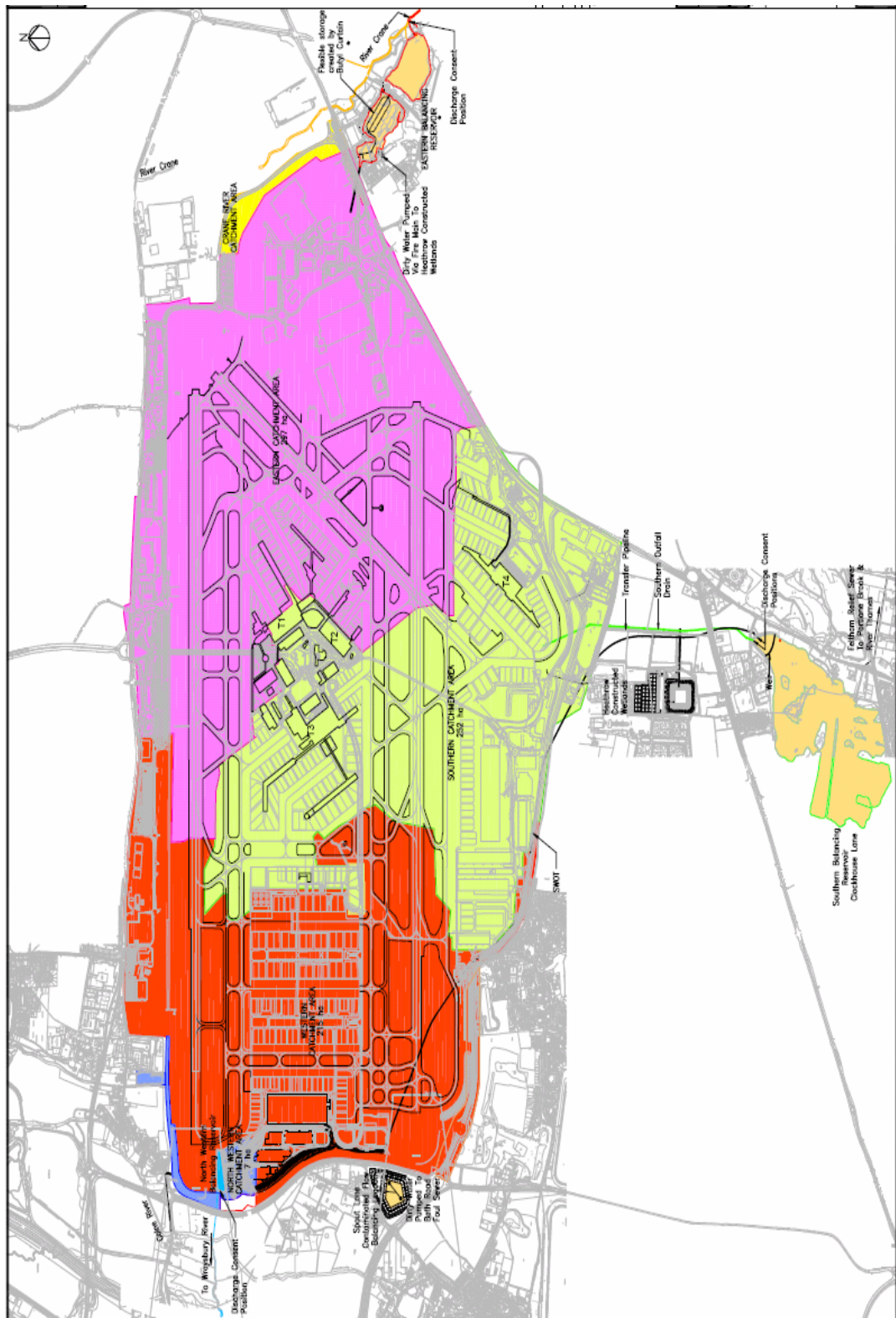
*“groundwater”* means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

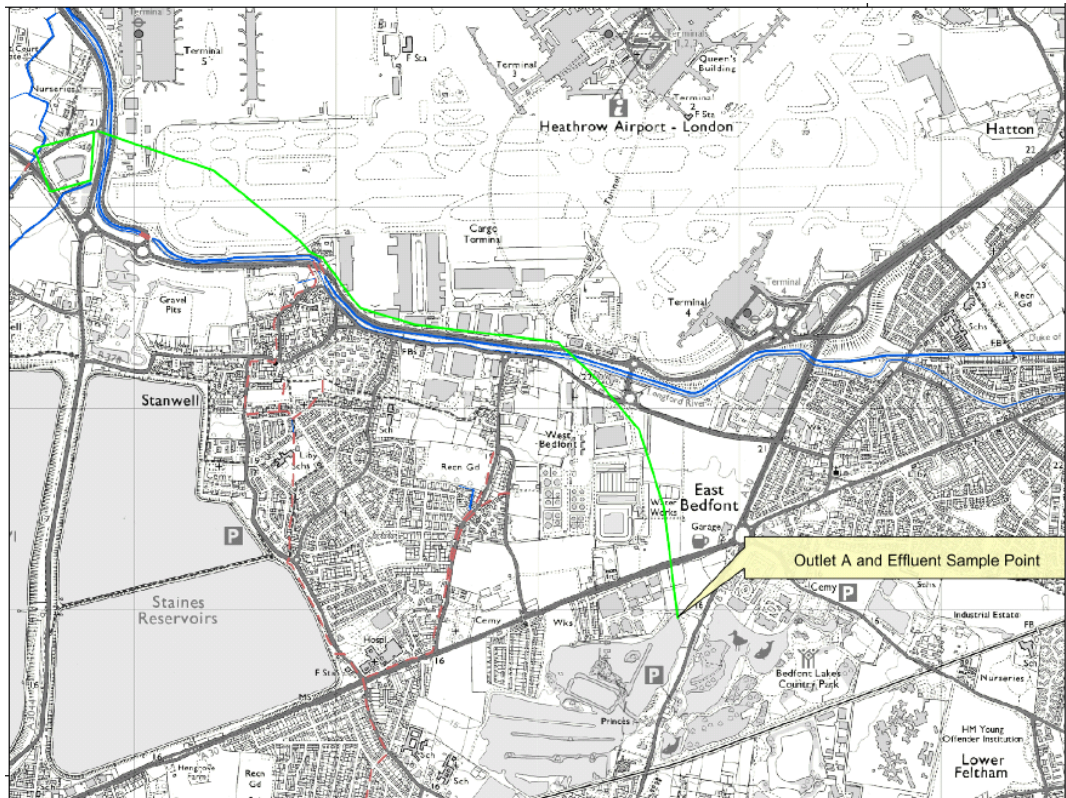
*“quarter”* means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

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

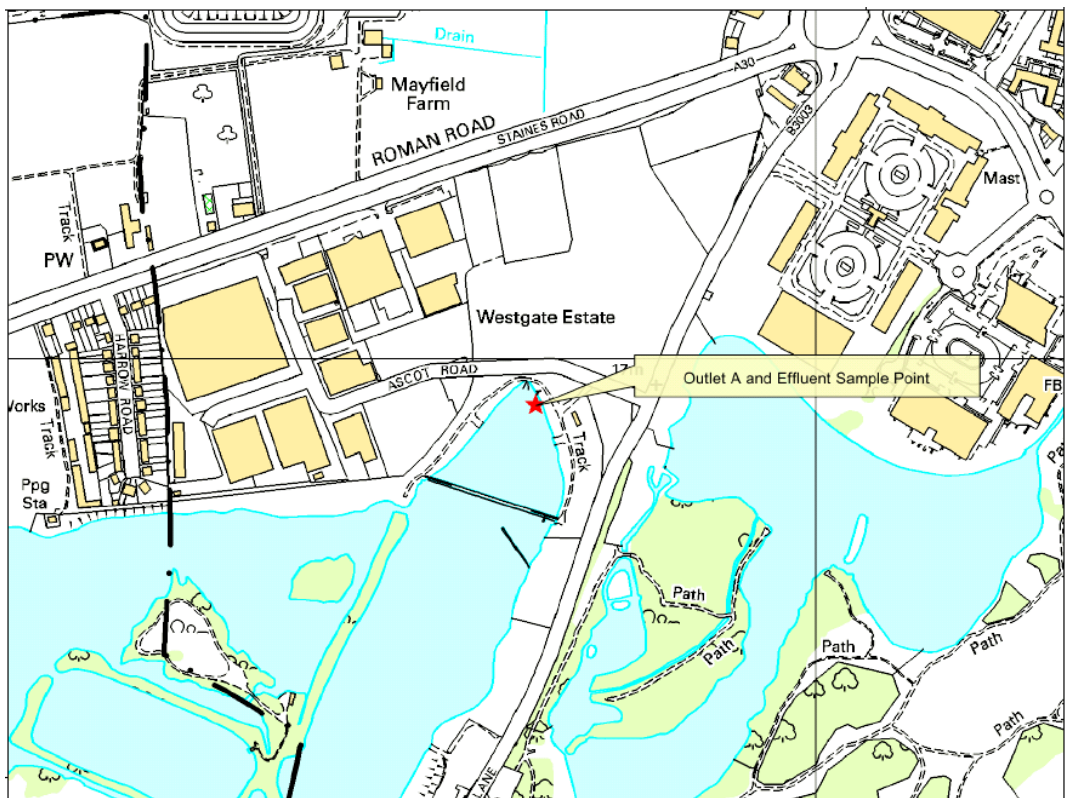
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## Schedule 7 - Site plan





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