

CONSENT NO.	CM0077801
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**ENVIRONMENT
AGENCY**

WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

(AS AMENDED BY THE ENVIRONMENT ACT 1995)

NOTICE OF MODIFICATION OF CONSENT TO DISCHARGE

TO: Dŵr Cymru Cyfyngedig ("Consent Holder")
c/o Environment Quality Scientist
Pentwyn Road,
Nelson
Treharris
CF46 6LY

Following a review of the conditions of its consent, the **ENVIRONMENT AGENCY** ("The Agency") in pursuance of its powers under the Water Resources Act 1991 **HEREBY MODIFIES ITS CONSENT** to the making of a discharge **OF SEWAGE EFFLUENT**, as follows:

Secondary Treated Sewage and Trade Effluent incorporating the requirements of the Urban Waste Water Treatment (UWWT) Regulations 1994 and the Operator Self Monitoring (OSM) conditions

with respect to Modification No. CM0077801 served on the 26th day of June 2009.

FROM: Five Fords Sewage Treatment Works

AT: Cefn Road, Abenbury, Wrexham

TO: River Dee

HEREAFTER SUBJECT TO the conditions set out in the following schedules:

Secondary Treated Sewage and Trade Effluent Schedule No. CM0077801 01

UWWT Regulations 1994 Schedule No. CM0077801 01/U

Subject to the provisions of Paragraphs 7 and 8 of Schedule 10 of the Water Resources Act 1991, no notice shall be served by the Agency, which alters the effect of modifications made to this consent, without the agreement in writing of the consent holder, during a period of 4 years from the date this modification is served.

This modification is served on 31st day of March 2010
This modification takes effect on 31st day of March 2010

Signed

Christopher Hall
Team Leader – National Permitting

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SCHEDULE NO.	CM0077801 01
DATED	31/03/10

CONDITIONS OF CONSENT TO DISCHARGE

Secondary Treated Sewage Effluent ("the Discharge")

FROM: Five Fords Sewage Treatment Works

WORKS OPERATION

1. (a) The works shall be operated and the effluent shall be treated in a manner which, so far as reasonably practicable, minimises the polluting effects of the Discharge made from the works on controlled waters.
- (b) This condition does not require -
 - (i) any higher standard to be achieved in relation to any characteristic of the Discharge which is specifically regulated by condition 12 and 13 inclusive than is required by those conditions;
 - (ii) any alteration of the works or a change in the type of treatment used.

NATURE

2. The Discharge shall consist solely of Secondary Treated Sewage Effluent.

LOCATION

3. The Discharge shall be made in the manner and at the place specified as:
 - (a) discharging via a pipe;
 - (b) discharging to the River Dee;
 - (c) at National Grid Reference SJ 40900 47320;
 - (d) shown marked 'CONSENT POINT' on Plan CM0077801/D (i) attached as Annex 1.

SAMPLE POINT

4. An appropriately labelled sample point shall be provided and maintained at National Grid Reference SJ 36380 48300 as shown marked 'DISCHARGE SAMPLE POINT' on Plan CM0077801/D (ii) attached as Annex 2, so that a representative sample of the Discharge may be obtained. The Consent Holder shall ensure that all constituents of the Discharge pass through the said sampling point at all times and in any legal proceedings it shall, for the purposes of Section 10 of the Rivers (Prevention of Pollution) Act 1961, be presumed, until the contrary is shown that any sample of the Discharge taken at the said sampling point is a sample of what was discharging into controlled waters.

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FLOW LIMIT

5. The Dry Weather Flow of the discharge shall not exceed 27,720 cubic metres per day. The consented Dry Weather Flow limit is set at the Consent Holder's planned annual 80%-exceeded flow.
6. In determining compliance with this consent, the measured Dry Weather Flow is that total daily volume that is exceeded by 90% of the recorded measured total daily volume values in any period of 12 months.
7. The numeric value of the measured Dry Weather Flow shall not exceed the numeric value of the consented Dry Weather Flow limit.
8. If the measured Dry Weather Flow exceeds the consented Dry Weather Flow limit then the consent holder shall as soon as is practicable investigate the reasons for the exceedance. The Consent Holder shall report the reasons for the exceedance to the Agency and the steps that it proposes to take to restore compliance. An exceedance of the Dry Weather Flow limit shall not be recorded as a failure if the Consent Holder takes appropriate steps to restore compliance.
9. If the measured Dry Weather Flow exceeds the consented Dry Weather Flow limit because of unusual rainfall during the 12-month period, then it will not be recorded as a failure of the Dry Weather Flow limit. For the purposes of this condition, unusual rainfall shall mean rainfall that causes significantly higher sewage flows during the three-month period that normally records the lowest flows.
10. For unusual rainfall to be considered, the Consent Holder shall notify the Agency and provide supporting evidence as part of the normal specified data returns.

FLOW MEASUREMENT

11.
 - (a) A continuous flow measurement and recording system ("the flow system") that complies with the MCERTS Flow Monitoring scheme shall be provided by a date specified by the Agency and operated to record the total daily volume of the discharge;
 - (b) The flow system shall also measure and record either the instantaneous flow at least every 15 minutes or the 15-minute average flow every 15 minutes. The Consent Holder shall provide and operate an on-site visual display from which the Agency can readily obtain the instantaneous or 15-minute averaged flow readings;
 - (c) The Consent Holder shall hold records of the total daily volume and the 15-minute flow readings;
 - (d) As soon as reasonably practicable after installation of the flow system and before the expiry of any certificate issued, the Consent Holder shall employ an independent expert to certify that the flow system complies with the MCERTS Flow Monitoring scheme;

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- (e) The Consent Holder shall immediately on issue provide a copy of the MCERTS certificate to the Environment Agency and shall provide a copy of the independent expert's report to the Environment Agency on request;
- (f) The Consent Holder shall ensure that the flow system is always subject to a current MCERTS certificate;
- (g) The Consent Holder shall produce and maintain documented procedures for the calibration, operation and maintenance of the flow system ("maintenance procedures");
- (h) The Consent Holder shall employ an independent expert to certify that the maintenance procedures comply with the MCERTS requirements;
- (i) The Consent Holder shall calibrate, operate and maintain the flow system in accordance with the maintenance procedures. The Consent Holder shall keep a record of the maintenance procedures and maintenance records available for inspection by the Agency and provide a copy to the Agency on request;
- (j) The Consent Holder shall produce and maintain a formal Quality Management System ("QMS") for the management of the flow system and the implementation of the maintenance procedures. An appropriate independent certifier shall certify the QMS;
- (k) The Consent Holder shall record all failures of the flow system and any other breaks in the flow record. The reasons for all failures and breaks that lead to missing or suspect total daily volume records and all steps taken to prevent a re-occurrence shall be recorded.
- (l) The Consent Holder shall ensure that the flow system remains fully operational at all times and shall remedy any failures as soon as reasonably practicable;
- (m) The Consent Holder shall provide records of the flow readings and the reasons for any significant breaks in the record when requested, in a format specified by the Agency;
- (n) Flows of sewage through the treatment works shall be measured at the outlet, or such other point as is agreed by the Environment Agency.

COMPOSITION - Up to and including 31st March 2015

12. (a) Subject to paragraph (b) below, the Discharge shall not contain more than:
- (i) 50 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea);
 - (ii) 16 milligrammes per litre of ammoniacal nitrogen (expressed as N);
 - (iii) 60 milligrammes per litre of suspended solids (measured after drying

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at 105°C).

- (b) The limit for any of the relevant parameters set out in paragraph (a) above may be exceeded where, in any series of samples of the Discharge taken at regular but randomised intervals in any period of twelve consecutive months as listed in Column 1 of the table at Annex LUT 1 to this consent, no more than the relevant number of samples, as listed in Column 2 of the said table, exceed the applicable limit for that relevant parameter.
- (c) The Discharge shall not contain more than:
 - (i) 100 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea);
 - (ii) 45 milligrammes per litre of ammoniacal nitrogen (expressed as N).
 - (iii) 120 milligrammes per litre of suspended solids (measured after drying at 105°C).
- (d) The discharge shall have a pH of between 6 and 9 pH units.

COMPOSITION - As from 31st March 2015

12. (a) Subject to paragraph (b) below, the Discharge shall not contain more than:
- (i) 50 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea);
 - (ii) 10 milligrammes per litre of ammoniacal nitrogen (expressed as N);
 - (iii) 60 milligrammes per litre of suspended solids (measured after drying at 105°C).
- (b) The limit for any of the relevant parameters set out in paragraph (a) above may be exceeded where, in any series of samples of the Discharge taken at regular but randomised intervals in any period of twelve consecutive months as listed in Column 1 of the table at Annex LUT 1 to this consent, no more than the relevant number of samples, as listed in Column 2 of the said table, exceed the applicable limit for that relevant parameter.
- (c) The Discharge shall not contain more than:
- (i) 100 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea);
 - (ii) 37 milligrammes per litre of ammoniacal nitrogen (expressed as N).
 - (iii) 120 milligrammes per litre of suspended solids (measured after drying at 105°C).

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- (iv) 5 milligrammes per litre of total Iron (Fe)
 - (v) 1 milligrammes per litre of total Aluminium (Al)
- (d) The discharge shall have a pH of between 6 and 9 pH units.

PHOSPHOROUS REMOVAL - As from 31st March 2015

13. (a) The Consent Holder shall analyse and record total phosphorus in all samples of the discharge taken for the purposes of assessing compliance with the Urban Waste Water Treatment Regulations 1994. The sample results shall be supplied to the Agency with the Urban Waste Water Treatment Regulations sample results or on request
- (i) The mean concentration of total phosphorus expressed as P in the samples of the Discharge taken as required by paragraph (a) above in any period of twelve consecutive months shall not exceed 1 milligramme per litre.

DOSING CONDITION - As from 31st March 2015

14. (a) Subject to paragraph (c) below, the chemical dosing material(s) employed in the phosphorus removal process shall be of an iron or polyaluminium salt formulation as notified to the Agency in writing prior to use.
- (a) The chemical dosing material shall at all times conform to the British Standards specification(s) relating to potable products or other equivalent specification as agreed in writing with the Agency prior to use. Copies of the documentation of the quality assurance system shall be made available for inspection by officers of the Agency at all reasonable times.
- (b) The chemical formulation of the chemical dosing material shall not be changed without the prior written agreement of the Agency and such agreement shall only be given if the Agency considers that the relevant chemical formulation is unlikely to have an appreciable effect on controlled waters in the locality of the discharge.

TELEMETRY - As from 31st March 2015

15. A telemetry alarm system connected to a 24 hour response system shall be provided and maintained to provide notification of failure or breakdown of the Ferric Sulphate or Polyaluminium Chloride dosing plant.

DANGEROUS SUBSTANCES LIST I

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16. (a) The quantity of List I Substances (as defined in the Dangerous Substances Directive 76/464/EEC) in the Discharge shall not increase above levels in the Discharge on the date of effect of this consent where no specific level is authorised;
- (b) notwithstanding (a) above, the concentration of List I Substances in the Discharge shall not exceed the concentrations specified in "List 1 General Standards" in Annex 4.

THE DANGEROUS SUBSTANCE LIST II CONDITION

17. Unless the concentration is specifically regulated by condition 12 and 13 the Discharge shall not contain a concentration of any List II Substance (as defined in the Dangerous Substances Directive 76/464/EEC) such as to cause any of the relevant Environmental Quality Standards set out in DoE Circular 007/89, SI 1997 No2560 and SI 1998 No389 to be exceeded in the receiving water.

POWER TO MODIFY

18. If the Agency believes that the load of one or more Dangerous Substances has increased, it may at any time after the issue of this discharge consent, modify this consent by written notification to include specific limits for List I and List II Substances as defined in the Dangerous Substances Directive (76/464/EEC), or any Substance with non-statutory EQS. This includes any period during which the Agency would otherwise be prohibited from modifying the consent.

UNUSUAL WEATHER CONDITIONS

19. (a) No sample of the Discharge, taken at a time when unusual weather conditions are adversely affecting the operation of the sewage treatment works, shall be taken into account in deciding whether or not the conditions contained in paragraphs 1, 12 and 13 of this consent have been complied with.
- (b) For the purpose of this condition "unusual weather conditions" shall include:
- (i) low ambient temperatures as evidenced by effluent temperatures of 5°C or less, or by the freezing of mechanical equipment in the works;
 - (ii) significant snow deposits;
 - (iii) tidal or fluvial flooding;
 - (iv) weather conditions causing unforeseen loss of power supply to the sewage treatment which could not be ameliorated by the reasonable provision and operation of standby generation facilities.
- (c) On any occasion where unusual weather conditions adversely affect the operation of the sewage treatment works, the Consent Holder shall use its best endeavours to mitigate that adverse effect.
- (d) For a sample of the Discharge to be considered for the purposes of (a) above, the Consent Holder shall notify the Agency by telefax or telephone as soon as unusual weather conditions are known to have adversely affected operations and

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shall confirm the circumstances in writing as soon as possible thereafter (and in any event within 14 days of the occurrence of such conditions). That notification shall include a full description of the unusual weather conditions and their impact on the operation of the works.

RECORDING AND REPORTING

20. (a) The Consent Holder shall establish and operate a documented maintenance programme and record all non-routine actions undertaken that may have adversely affected effluent quality. Copies of the programme shall be made available for inspection by the Agency's officers at all reasonable times.
- (b) On request the Consent Holder shall supply the Agency with a written report on the maintenance and all non-routine actions that may have adversely affected effluent quality.

SUBSTANTIAL CHANGE

- 21.1 A Discharge shall not be made from the works if it would cause a significant increase in the polluting effects of the Discharge on controlled waters as a result of a new or altered Discharge of trade effluent into the works.
- 21.2 A Discharge of trade effluent into the works is new if -
- (a) it is made by the sewerage undertaker and is of a kind not made into the works by the undertaker immediately before the date of effect of this consent; or
- (b) it is made by a third party and the Discharge is authorised on or after that date.
- 21.3 A Discharge of trade effluent into the works is altered if -
- (a) it is made by the sewerage undertaker and its composition or quantity changes significantly on or after the date of effect of this consent; or
- (b) it is made by a third party and the alteration of the Discharge is authorised on or after that date
- 21.4 An increase in the polluting effects of the Discharge on controlled waters is not significant for the purposes of this condition if it relates to any characteristic of the Discharge which is specifically regulated by conditions 12 and 13 inclusive of this consent but it may be significant if it is caused by a change in some other characteristic of the Discharge.
- 21.5 For the purposes of this condition “trade effluent” means -
- (c) any Discharge by the sewerage undertaker other than:

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- (i) domestic sewage from premises connected directly or indirectly to the works;
or
 - (ii) surface water run-off;
- (d) any Discharge by a third party which is authorised under Chapter III of Part IV of the Water Industry Act 1991 or which is only accepted as a result of a contract with the sewerage undertaker.

NOTICE OF CHANGE CONDITION

22. The Consent Holder shall notify the Agency in writing if any known or planned introduction or material change occurs, in respect of discharges from trade premises to the sewerage system, that may increase or introduce into the effluent any "dangerous substance" included on Lists I, II or Red List (set out in the 'List of dangerous substances' attached to this consent, as updated by the Agency from time to time and notified to the Consent Holder in writing), or any other substance considered by the Consent Holder as having or likely to have a significant effect on the receiving waters.

OPERATIONAL SURVEILLANCE CONDITION

23. The Consent Holder shall devise and implement documented procedures for the purpose and effect of maintaining awareness of the presence of dangerous substances in;
- (i) trade effluent into the collecting / sewerage system served by the works,
and;
 - (ii) matter received directly at the works from trade premises

and shall make and maintain records of the application of such procedures, which shall be open to inspection by the Agency on reasonable notice.

INVESTIGATE AND MONITOR CONDITION

24. If the Agency has reasonable grounds to believe that concentrations of any dangerous substance (as defined in the Dangerous Substances Directive 76/464/EEC) in the discharge have increased, or may increase, such that there is a risk of causing pollution in the receiving water then on the written request of the Agency, the Consent Holder shall as soon as practicable investigate and provide a written assessment of the source and the concentration or quantity within the discharge of the specified substance(s).

UNAUTHORISED DISCHARGES

25. A Discharge made from the works shall not contain any poisonous, noxious or polluting matter or solid waste matter which is attributable to any unauthorised Discharge into the works.
26. A Discharge into the works is unauthorised if it is made by a third party and either there is no obligation to receive it or conditions subject to which there is an obligation to receive it are not observed.

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27. Nothing in this, or any other, condition of this consent prevents anyone from relying on any defence available to them under section 87 of the Water Resources Act 1991.

MAINTENANCE

28. The sewage works shall be operated and maintained in accordance with good operational practice such that:
- (a) it remains fully operational except at times of unavoidable mechanical or electrical breakdown which shall be attended to, and the Agency informed of the failure, as soon as practicable after the failure;
 - (b) following a failure all equipment shall be returned to normal operation as soon as practicable;
 - (c) tanks shall be desludged at sufficient frequency and in such a manner to prevent excessive carryover of suspended solids.

OSM MONITORING PROGRAMME

- OSM 1 The Consent Holder shall, unless otherwise agreed in writing by the Agency, undertake a monitoring programme for the parameters specified by this consent which control the effluent quality by numeric limits, at not less than the frequencies specified in Annex OSM 1 to this permit.
This does not include List 1 substances included within a consent in the General Standards Table.
- OSM 2 The monitoring programme referred to in condition OSM1 shall:
- (a) cover a calendar year, and
 - (b) be recorded and referred to in a Quality Management System before the commencement of a calendar year sample period.
- OSM 3 The Consent Holder shall have an appropriate Quality Management System covering Operator Self Monitoring.
- OSM 4 The Consent Holder shall ensure that appropriate actions and activities carried out to fulfil the requirements of condition OSM1 are recorded.
- OSM 5
1 Any sampling or analysis carried out to fulfil the requirements of condition OSM1 shall be managed and operated by the Consent Holder or its appointed organisation or organisations in accordance with ISO 17025 for the MCERTS Performance Standard for Organisations Undertaking Sampling and Chemical Testing of Water (Part1) to the reasonable satisfaction of the Agency
- OSM 6 (a) For the period up to 1 July 2010, any organisation undertaking sampling and analysis to fulfil the requirements of condition OSM1 shall have applied for accreditation to ISO 17025 for the MCERTS Performance Standard for Organisations Undertaking Sampling and

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Chemical Testing of Water (Part1), unless otherwise agreed in writing by the Agency, and

- (b) From 1 July 2010, any organisation undertaking sampling and analysis to fulfil the requirements of condition OSM1 shall have gained accreditation to ISO 17025 for the MCERTS Performance Standard for Organisations Undertaking Sampling and Chemical Testing of Water (Part1), unless otherwise agreed in writing by the Agency.

OSM7 The Consent Holder shall ensure that all required records of compliance and accreditation with ISO 17025 for the MCERTS Performance Standard for Organisations Undertaking Sampling and Chemical Testing of Water (Part 1) are maintained.

Records

OSM 8 All records required to be made by this consent shall:

- (a) be legible, and
- (b) be made as soon as reasonably practicable, and
- (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, and
- (e) where the records have been requested in writing by the Agency, copies shall be supplied to the Agency within 14 days, unless otherwise agreed in writing by the Agency,

OSM 9 The analytical results from the monitoring programme required by condition OSM 1 must be supplied to the Agency in an electronic format defined by the Agency, as soon as is reasonably practical for each result, and at least on a quarterly basis.

Reporting exceedances

OSM 10 When the Consent Holder becomes aware that a sample result has exceeded a numeric water quality limit specified within this Consent, (including those covered by the Look-up Table) the Consent Holder shall, unless prior agreement has been given in writing by the Agency, notify the Agency as soon as is reasonably practicable by a reporting system and format specified by the Agency.

OSM 11 When the Consent Holder becomes aware that the Discharge is not compliant with the Look-up Table (as set out in Annex LUT 1) for a numeric water quality limit specified within this Consent, the Consent Holder shall, unless prior agreement has been given in writing by the Agency, notify the Agency as soon as is reasonably practicable by a reporting system and format specified by the Agency.

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Reporting sample missed or lost

OSM 12 After becoming aware, or following notification that, a sample has not been taken on the Monitoring Programme pre-scheduled date, or is lost, or a result for that sample can not be reported, the Consent Holder shall record the details and reschedule the sample.

Annual monitoring summary compliance report

OSM 13 A summary report :

- (a) of compliance with the monitoring programme referred to in condition OSM1 shall be made for each calendar year, and
- (b) shall be submitted to the Agency within two months following the end of the year and shall have the data summarised and shall be in the format required by the Agency

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Annex OSM1 – Opra Tier 3 Sampling Frequency

Determinand	Normal frequency of samples per year	Reduced sampling frequency after 12 consecutive months of numeric consent compliance, samples per year or pro rata over the remainder of a year	On consent failure return to Normal frequency as soon as reasonably practicable, samples per 12 months	Out of hours samples
Sanitary	24	12	24	For 24 samples 2 out of hours samples per annum
Non sanitary	12	12	12	For 12 samples 1 out of hours sample per annum

Annex OSM1 relates to spot samples which must be collected at approximately equal intervals during the year, but should include samples from different days of the week and different times. Approximately 10% of samples should be outside of the normal sampling window which is 9am - 3pm, Monday to Friday.

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Annex LUT 1

95% Percentiles Look Up Table

Series of samples
taken in any year

Maximum number of samples
for given determinand permitted
to exceed limit

4-7		1
8-16		2
17-28		3
29-40		4
41-53		5
54-67		6
68-81		7
82-95		8
96-110		9
111-125		10
126-140		11
141-155		12
156-171		13
172-187		14
188-203		15
204-219		16
220-235		17
236-251		18
252-268		19
269-284		20
285-300		21
301-317		22
318-334		23
335-350		24
351/365		25

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DATED	31/03/10

CONDITIONS OF CONSENT TO DISCHARGE

Secondary Treated Sewage Effluent ("the Discharge")

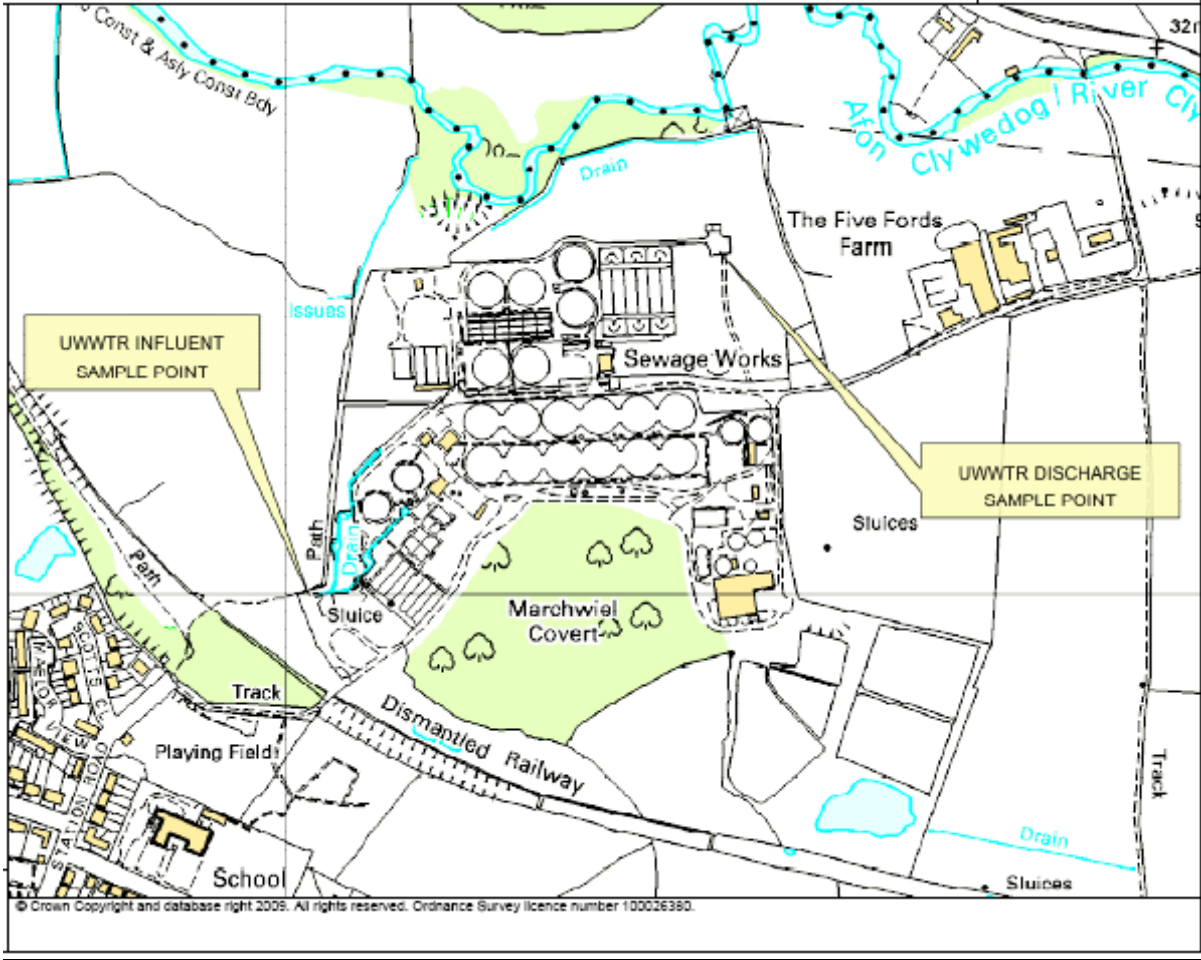
FROM: Five Fords Sewage Treatment Works.

URBAN WASTE WATER TREATMENT REGULATIONS

- U0 (a) The Consent Holder shall comply with the Urban Waste Water Treatment (England and Wales) Regulations 1994 ('the Regulations')
- (b) For the purpose of conditions U1 and U2 below, interpretations and references to a numbered regulation or Schedule shall have the meaning as in the Regulations, unless otherwise indicated.
- U1 (a) The Discharge derives from an agglomeration with a population equivalent of More than 15,000 discharging to freshwaters.
- (b) The Consent Holder shall inform the Agency in writing of any change, or proposed change, to the population equivalent such as would make a material change to the application of the Regulations and shall, on request, inform the Agency in writing of the actual population equivalent.
- (c) The Discharge shall be subject to Regulation 5(1) and shall satisfy the relevant requirements of Part I of Schedule 3.
- U2 (a) The Consent Holder shall provide apparatus for the purpose of:
- (i) measuring or recording the volume, rate of flow, nature, composition or temperature,
- and (ii) collecting samples of any waste water,
- as is necessary to ensure compliance with paragraph (b) below.
- (b) The Consent Holder shall monitor the Discharge to verify compliance with the requirements of condition U1(c) above in accordance with control procedures as set out in Part II of Schedule 3.
- (c) The Consent Holder shall provide to the Agency any information collected in complying with paragraph (b) above in a manner agreed with the Agency.
- U3 (a) Condition U2 above shall apply for the purpose of verifying compliance with the Directive from the date as specified in the relevant paragraph of Regulation 5 as incorporated into this consent under condition U1(c) above.

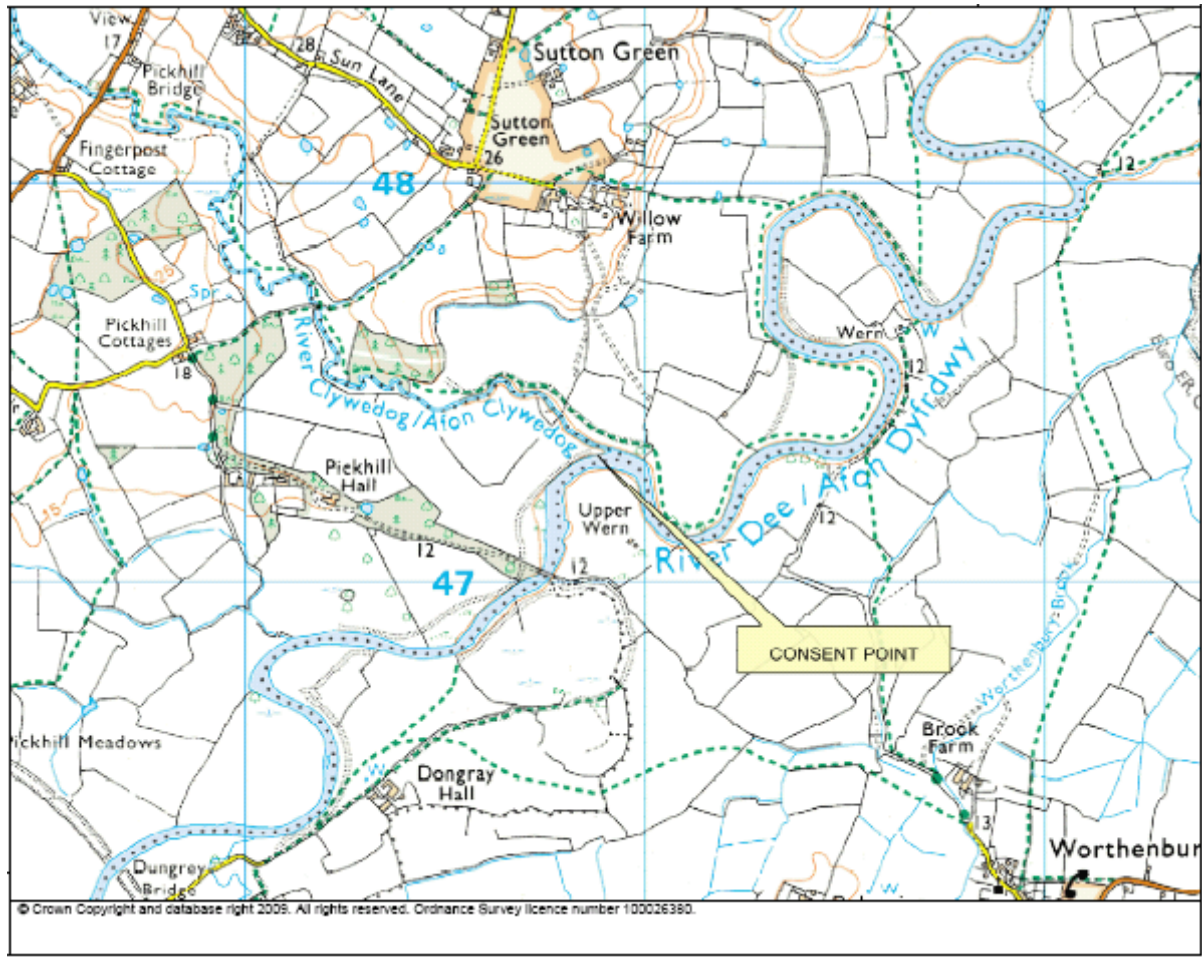
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- U4 (a) An appropriately labelled sample point shall be provided and maintained at National Grid Reference SJ 3602 4800, as shown marked 'UWWTR Influent Sample point ' on the attached Plan number CM0077801 01/U, or some other point as agreed in writing with the Environment Agency, so that a representative sample of the Influent may be obtained.
- U4 (b) An appropriately labelled sample point shall be provided and maintained at National Grid Reference SJ 3638 4830, as shown marked 'UWWTR Discharge Sample point' on the attached Plan number CM0077801 01/U, or some other point as agreed in writing with the Environment Agency, so that a representative sample of the discharge may be obtained.

Plan CM0077801 01/U

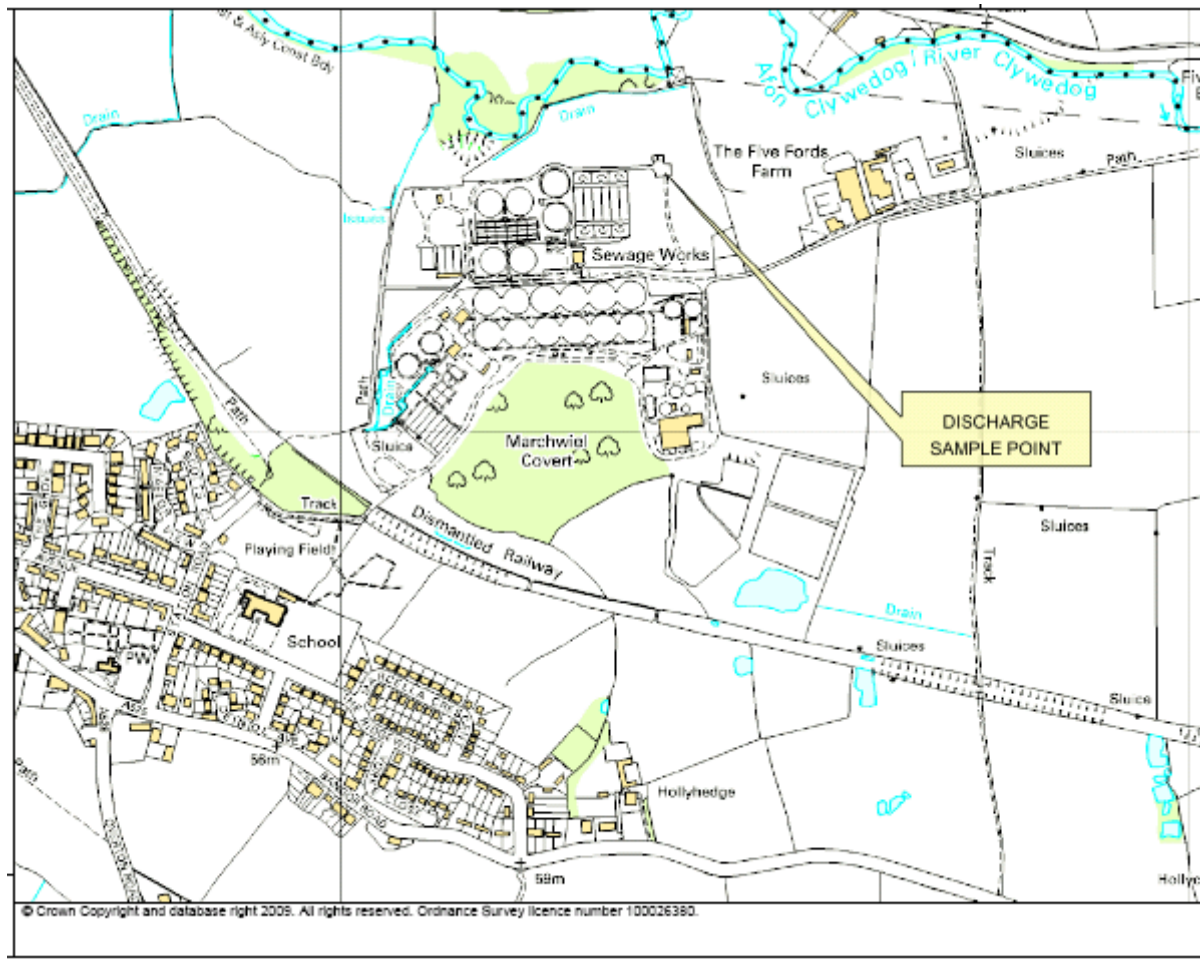
ANNEX 1

Plan CM0077801/D (i)



ANNEX 2

Plan CM0077801/D (ii)



ANNEX 3

List of dangerous substances

- | | |
|--|------------------------------|
| 1. Mercury and its compounds | 2. Cadmium and its compounds |
| 3. Hexachlorocyclohexane
(lindane and related compounds) | 4. Carbon tetrachloride |
| 5. DDT (the isomers of 1,1,1-trichloro-2,2 bis{p-chlorophenyl} ethane) | |
| 6. Pentachlorophenol (PCP) | 7. Aldrin |
| 8. Dieldrin | 9. Endrin |
| 10. Isodrin | 11. Hexachlorobenzene (HCB) |
| 12. Hexachlorobutadiene (HCBD) | 13. Chloroform |
| 14. Polychlorinated biphenyls | 15. Dichlorvos |
| 16. 1,2-Dichloroethane | 17. Trichlorobenzene |
| 18. Atrazine | 19. Simazine |
| 20. Tributyltin compounds | 21. Triphenyltin compounds |
| 22. Trifluralin | 23. Fenitrothion |
| 24. Azinphos-methyl | 25. Malathion |
| 26. Endosulfan | 27. Lead |
| 28. Chromium | 29. Zinc |
| 30. Copper | 31. Nickel |
| 32. Arsenic | 33. *Iron |
| 34. *pH if outside the range 5.5 to 9.0 | 35. *Boron |
| 36. Vanadium | 37. PCSD'S |
| 38. Cyfluthrin | 39. Sulcofuron |
| 40. Flucifuron | 41. Permethrin |
| 42. 4-Chloro-3-methyl-phenol | 43. 2-Chlorophenol |
| 44. 2,4-Dichlorophenol | 45. 2,4-D (ester) |
| 46. 2,4-D (non ester) | 47. 1,1,1-Trichloroethane |
| 48. 1,1,2-Trichloroethane | 49. Bentazone |
| 50. Benzene | 51. Biphenyl |
| 52. Chloronitrotoluenes | 53. Demeton |
| 54. Dimethoate | 55. Linuron |
| 56. MCPA | 57. Mecoprop |
| 58. Mevinphos | 59. Napthalene |
| 60. Omethoate | 61. Toluene |
| 62. Triazophos | 63. Xylene |
| 64. Cyanide | 65. Azinphos-ethyl |
| 66. Fenthion | 67. Parathion |
| 68. Parathion-methyl | 69. Trichloroethylene |
| 70. Tetrachloroethylene | 71. Dioxins |
| 72. PAHs | 73. Nonyl phenol |
| 74. Nonyl phenyl ethoxylate | 75. Di-ethylhexyl phthalate |
| 76. Bisphenol-A | 77. Diazinon |
| 78. Chlorfenvinphos | 79. Chlorotoluron |
| 80. Isoproturon | 81. Diuron |
| 82. Propetamphos | 83. Flumethrin |
| 84. Amitraz | 85. High-Cis Cypermethrin |
| 86. Cyromazine | 87. Deltamethrin |
| 88. Cypermethrin | |

This list is applicable as at 1 December 1998 and will be updated as and when changes to the relevant legislative requirements occur.

*Notification to the Environment Agency by the Consent Holder is only required in respect of changes to trade effluents likely to cause significant changes to the pH value, and/or iron or boron concentrations, of the crude sewage.

ANNEX 4

List I General Standards

List I General Standards		
	Substance	Limit Total Concentration (ug/l)
1.	Aldrin	0.02
2.	Dieldrin	0.02
3.	Endrin	0.01
4.	Isodrin	0.01
5.	Cadmium	10.0
6.	Carbon tetrachloride	24.0
7.	Chloroform	24.0
8.	DDT (all isomers)	0.05
9.	para-para-DDT	0.02
10.	Hexachlorobenzene	0.06
11.	Hexachlorobutadiene	0.2
12.	Hexachlorocyclohexane	0.2
13.	Mercury	2.0
14.	Pentachlorophenol	4.0
15.	Trichlorobenzene	0.8
16.	1,2-Dichloroethane	20.0
17.	Trichloroethylene	20.0
18.	Tetrachloroethylene	20.0