

S/01/56183/R



ENVIRONMENT
AGENCY

WARI/US/92387
CONSENT NO.

S/01/56183/R

WATER RESOURCES ACT 1991
(AS AMENDED BY THE ENVIRONMENT ACT 1995)
SECTION 88 - SCHEDULE 10
NOTICE OF MODIFICATION OF CONSENT TO DISCHARGE

TO: Severn Trent Water Limited
2297 Coventry Road
Birmingham

The ENVIRONMENT AGENCY ("The Agency") in pursuance of its powers under the above mentioned Acts **HEREBY MODIFIES** the conditions subject to which Consent No. S/01/55404/R was given to Severn Trent Water Limited on 22 June 2000 by The ENVIRONMENT AGENCY in respect of the making of discharges of **SEWAGE EFFLUENT**, as described in the attached Schedules and as from the date hereof **CONSENTS** to the making of such discharges.

FROM: Llanfair Caereinion Sewage Treatment Works, Eithinog Lane, Llanfair Caereinion, Powys

SUBJECT TO the conditions set out in the following schedules:

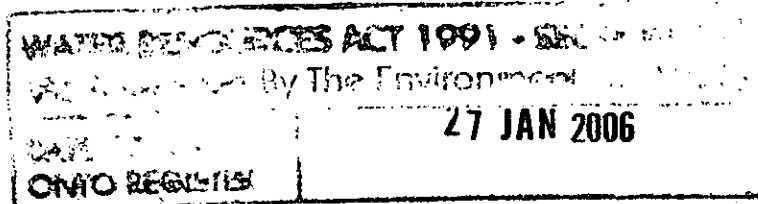
Secondary Treated Sewage Effluent	Schedule No. S/01/56183/R 01
(Incorporating the requirements of the Urban Waste Water Treatment Regulations 1994)	
Storm Sewage	Schedule No. S/01/56183/R 02

Subject to the provisions of Schedule 10 of the Water Resources Act 1991, no notice shall be served by the Agency, altering this consent without the agreement in writing of the consent holder, during a period of four (4) years from the date this consent takes effect or such later date as may be specified in an endorsement to this document.

This consent is issued and takes effect on the Twentythird day of January 2006

Signed Adam Ling
Team Leader Regulatory Water Quality

The Environment Agency, Upper Severn Area,
Hafren House, Shelton, Shrewsbury SY3 8BB



CONSENT NO.	S/01/56183/R
SCHEDULE NO.	S/01/56183/R 01
DATE ISSUED	23 January 2006

CONDITIONS OF CONSENT TO DISCHARGE

SECONDARY TREATED SEWAGE EFFLUENT ("the Discharge")

FROM: LLANFAIR CAEREINION SEWAGE TREATMENT WORKS, EITHINOG LANE, LLANFAIR CAEREINION, POWYS

NATURE

- 1 The Discharge shall consist solely of secondary treated sewage effluent.

LOCATION

- 2 The Discharge shall be made in the manner and at the place specified as:-
- (a) discharging to the Afon Banwy
 - (b) at National Grid Reference SJ 1078 0699
 - (c) shown marked "FINAL AND STORM EFFLUENT DISCHARGE POINT" on attached Drawing No. S/01/56183/R/D

SAMPLE POINT

- 3
- (a) An appropriately labelled sample point shall be provided and maintained at National Grid Reference SJ 1078 0699, as shown marked "FINAL AND STORM EFFLUENT DISCHARGE POINT" on attached Drawing No. S/01/56183/R/D, or some other point as agreed in writing with the Agency, so that a representative spot sample of the Discharge may be obtained.
 - (b) 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, in accordance with Section 10 (1) of the Rivers (Prevention of Pollution) Act 1961 (as applied by subsequent legislation), 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.
 - (c) The Consent Holder shall provide safe access to the sample point at all times.

VOLUME

- 4 The Dry Weather Flow of the Discharge shall not exceed 262 cubic metres per day.

For the purpose of this condition Dry Weather Flow shall mean the average daily flow to the treatment works during seven consecutive days without rain (excluding a period which includes public holidays) following seven days during which the rainfall did not exceed 0.25 millimetres on any one day.

FLOW MEASUREMENT

- 5 (a) A continuous flow measurement and recording system, to a specification provided by the Agency, shall be provided and operated to record the total daily volume, and the instantaneous or 15-minute integrated flow every 15 minutes of sewage through the treatment works. An on-site visual display from which instantaneous or 15-minute integrated flow readings can be readily obtained by the Agency shall be provided and operated. The Consent Holder shall hold records of the flow readings.
- (b) As soon as practicable after completion of the flow system installation and subsequently on the expiry of any certificate issued, the Consent Holder shall employ an independent expert to certify that the installation and its quality management system complies with the Agency's specification. The independent expert shall be accredited to a competency scheme approved by the Agency. A copy of the certificate shall be sent to the Agency and the certifier's report shall be provided to the Agency on request. If a certificate issued for a flow system has no expiry date included then the certificate shall be deemed to expire five years after the issue date of the certificate
- (c) The Consent Holder shall produce and maintain a documented quality management system, approved by the independent expert and to the satisfaction of the Agency, specifying procedures for the calibration, operation and maintenance of the flow measurement equipment. The flow measurement equipment shall be calibrated, operated and maintained by the Consent Holder in accordance with the provisions of the Quality Management System. The Consent Holder shall keep a record of these procedures available for inspection by the Agency and provide a copy to the Agency on request.
- (d) The Consent Holder shall record all failures of the continuous flow measurement system and any other breaks in the flow record. The reasons for all significant failures and breaks, which lead to missing or suspect data, and all steps taken to prevent a re-occurrence shall be recorded and details shall be provided to the Agency on request. A failure or break is significant for the purposes of this condition if it prevents the calculation of the total daily volume to the required level of uncertainty. The Consent Holder shall ensure that as far as possible the recorder remains fully operational at all times. Any failures shall be remedied as soon as possible.

- (e) Records of the flow readings or the reasons for any breaks in the record, as described in condition (d) above, shall be provided to the Agency when requested, in a format specified by the Agency.
- (f) Flows of sewage through the treatment works shall be measured at the outlet at OS National Grid Reference SJ 1078 0699, or such other point(s) as is agreed by the Agency.

COMPOSITION

- 6 (a) Subject to paragraph (b) below, the Discharge shall not contain more than:-
- (i) 25 milligrams per litre of biochemical oxygen demand (measured after 5 days at 20 degrees Celsius with nitrification suppressed by the addition of allyl-thiourea).
 - (ii) 45 milligrams per litre of suspended solids (measured after drying at 105 degrees Celsius).
- (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 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.

DANGEROUS SUBSTANCES LIST II

- 7 (a) The quantity of List II 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 Discharge shall not contain quantities of any List II Substance such as to cause or contribute to the concentration of that substance in the receiving water exceeding the relevant Environmental Quality Standard (EQS).

INVESTIGATE & MONITOR

- 8 If the agency is of the opinion that the Dangerous Substances in the Discharge have significantly changed or that a significant change is likely then, at the request of the Agency, the Consent Holder shall undertake any necessary investigations and provide an assessment of the source and quantity of specified List I and List II Substances (as defined in the Dangerous Substances Directive 76/464/EEC) within the Discharge.

NOTICE OF CHANGE

- 9 The Consent Holder shall notify the Agency in writing if any known or planned introduction or material change, in respect of discharges from trade premises to the sewerage system occurs, that may increase or introduce into the effluent any "dangerous substance" included on Lists I, II or Red List (set out in Annex 2 to this notice as updated from time to time and notified to the consent holder in writing), and any other substance considered by the consent holder as likely to have a significant effect on the receiving waters.

OPERATIONAL SURVEILLANCE

- 10 (a) The Consent Holder shall maintain records that demonstrate to the satisfaction of the Agency:
- (i) knowledge and understanding by the Consent Holder of the composition of materials supplied to them and of any changes in formulation of process inputs to the collecting, sewerage and/or treatment system;
 - (ii) any changes in processes that may result in a change in the Dangerous Substances composition of the effluent discharge.
- (b) The records kept in accordance with paragraph a shall be made available to the Agency on request.

WORKS' OPERATION

- 11 (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 6 of this consent schedule than is required by those conditions;
 - (ii) any alteration of the works or a change in the type of treatment used.

UNUSUAL WEATHER

- 12 (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 conditions 6 & 11 of this consent schedule 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 degrees Celsius 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 affect.
- (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 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.

SUBSTANTIAL CHANGE

- 13 (a) 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.
- (b) A discharge of trade effluent into the works is new if:-
- (i) 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
 - (ii) it is made by a third party and the discharge is authorised on or after that date.
- (c) A discharge of trade effluent into the works is altered if:-
- (i) 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
 - (ii) it is made by a third party and the alteration of the discharge is authorised on or after that date.

- (d) 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 characteristics of the Discharge which are specifically regulated by condition(s) 6 of this consent schedule but it may be significant if it is caused by a change in some other characteristic of the Discharge.
- (e) For the purposes of this condition "trade effluent" means:-
- (i) any discharge by the sewerage undertaker other than
 - (1) domestic sewage from premises connected directly or indirectly to the works; or
 - (2) surface water run-off;
 - (ii) 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.

UNAUTHORISED DISCHARGES

- 14 (a) 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.
- (b) 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.
- (c) 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.

URBAN WASTE WATER TREATMENT REGULATIONS

- 15 (a) The Consent Holder shall comply with the Urban Waste Water Treatment (England and Wales) Regulations 1994 ('the Regulations').
- (b) For the purpose of condition 16 below, interpretations and references to a numbered regulation or Schedule shall have the meaning as in the Regulations, unless otherwise indicated.
- 16 (a) The Discharge derives from an agglomeration with a population equivalent of less than 2,000 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(7) and satisfy the requirements of Regulation 5(8)(a).

Dated this Twentythird day of January 2006.



Team Leader Regulatory Water Quality

CONSENT NO.	S/01/56183/R
SCHEDULE NO.	S/01/56183/R 02
DATE ISSUED	23 January 2006

CONDITIONS OF CONSENT TO DISCHARGE

STORM SEWAGE ("the Discharge")

FROM: LLANFAIR CAEREINION SEWAGE TREATMENT WORKS, EITHINOG LANE, LLANFAIR CAEREINION, POWYS

NATURE

- 1 The Discharge shall consist solely of storm sewage.

LOCATION

- 2 The Discharge shall be made in the manner and at the place specified as:-
- (a) discharging to the Afon Banwy
 - (b) at National Grid Reference SJ 1078 0699
 - (c) shown marked " FINAL AND STORM EFFLUENT DISCHARGE POINT" on attached Drawing No.S/01/56183/R/D.

SAMPLE POINT

- 3
- (a) An appropriately labelled sample point shall be provided and maintained at National Grid Reference SJ 1078 0699, as shown marked " FINAL AND STORM EFFLUENT DISCHARGE POINT" on attached Drawing No. S/01/56183/R/D, or some other point as agreed in writing with the Agency, so that a representative spot sample of the Discharge may be obtained.
 - (b) 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, in accordance with Section 10 (1) of the Rivers (Prevention of Pollution) Act 1961 (as applied by subsequent legislation), 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.
 - (c) The Consent Holder shall provide safe access to the sample point at all times.

RATE & FLOW

- 4 The Discharge shall occur only when the rate of flow in the sewer at the storm overflow weir exceeds 15.6 litres per second due to rainfall and/or snow melt, and shall consist only of flows in excess of this figure.

COMPOSITION

- 5 The Discharge shall not be comminuted or macerated.

REMOVAL OF SEWAGE DEBRIS

- 6 When abnormal conditions result in a significant discharge of unsatisfactory solid matter which is visible in the receiving watercourse or on the banks of the receiving watercourse, in the vicinity of the outfall, the consent holder shall take all reasonable steps to collect and remove such matter as soon as reasonably practicable after the discharge has been reported.

NOTICE OF CHANGE

- 7 The Consent Holder shall notify the Agency in writing if any known or planned introduction or material change, in respect of discharges from trade premises to the sewerage system occurs, that may increase or introduce into the effluent any "dangerous substance" included on Lists I, II or Red List (set out in Annex 2 to this notice as updated from time to time and notified to the consent holder in writing), and any other substance considered by the consent holder as likely to have a significant effect on the receiving waters.

MAINTENANCE

- 8 The overflow shall be maintained in an efficient operational condition.

Dated this

Twentythird

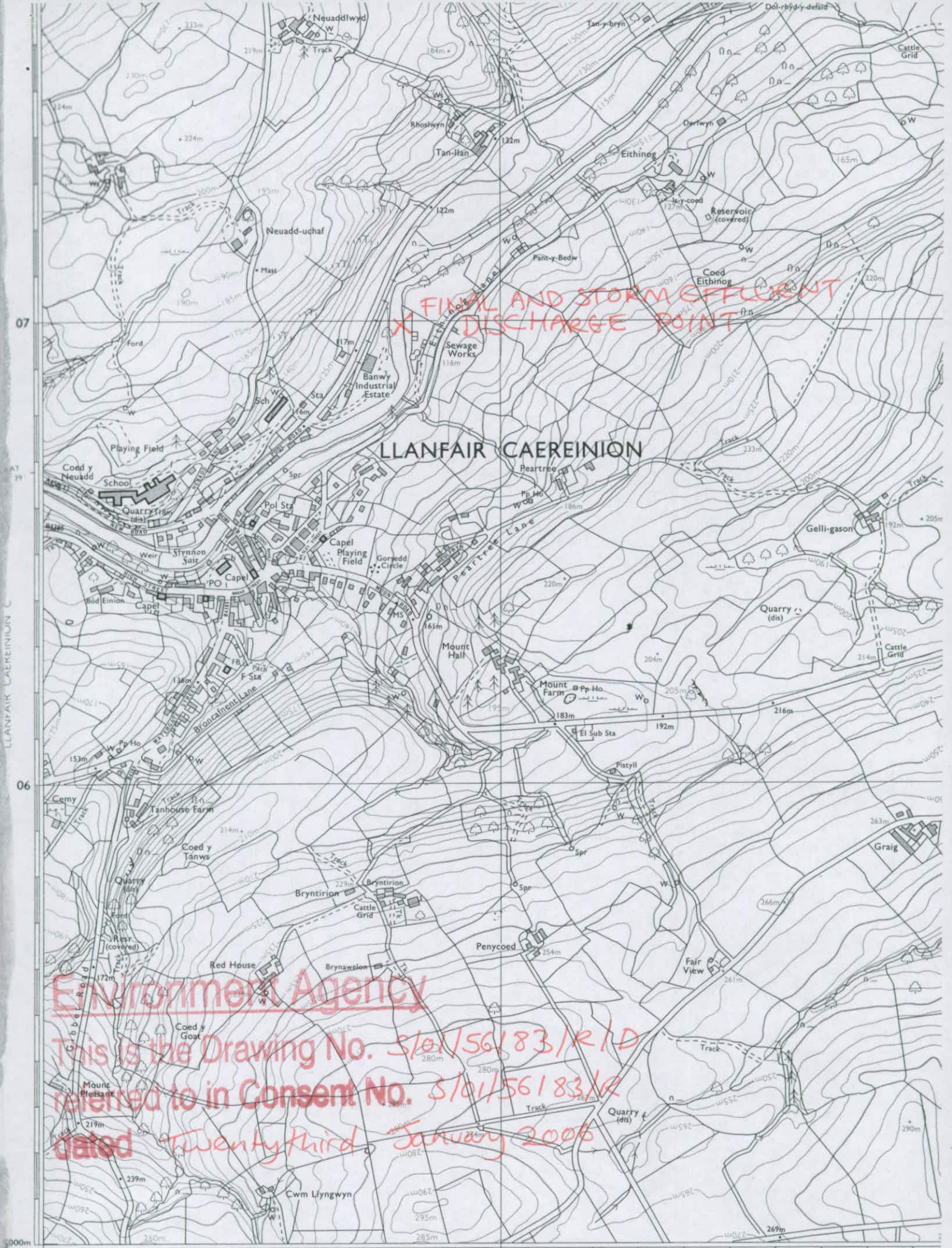
day of

January

2006.

Adam Ling

Team Leader Regulatory Water Quality



FINAL AND STORM EFFLUENT
X DISCHARGE POINT

LLANFAIR CAEREINION

Environment Agency

This is the Drawing No. S/01/56183/R/D
referred to in Consent No. S/01/56183/R
dated Twentythird January 2006

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Environment Agency
100026380
No. 100026380
No. 100026380
No. 100026380

Annex 1

<u>Column 1</u>	<u>Column 2</u>
Series of samples taken in any period of 12 consecutive months	Maximum number of samples 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

Annex 2

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



ENVIRONMENT
AGENCY

WAM/05/91009ab
CONSENT NO.

S/01/55404/R

WATER RESOURCES ACT 1991
(AS AMENDED BY THE ENVIRONMENT ACT 1995)
SECTION 88 - SCHEDULE 10
NOTICE OF MODIFICATION OF CONSENT TO DISCHARGE

TO: Severn Trent Water Limited
2297 Coventry Road
Birmingham

The ENVIRONMENT AGENCY ("The Agency") in pursuance of its powers under the above mentioned Acts **HEREBY MODIFIES** the conditions subject to which Consent No. S/01/55158/R was given to Severn Trent Water Limited on 25 February 1998 by the Environment Agency in respect of the making of such discharges of **SEWAGE EFFLUENT**, as described in the attached Schedule and as from the date hereof **CONSENTS** to the making of a discharge.

FROM: Llanfair Caereinion Sewage Treatment Works, Eithinog Lane, Llanfair Caereinion, Powys

SUBJECT TO the conditions set out in the following schedules:

Discharge 1 - Secondary Treated Sewage Effluent

Schedule No. S/01/55404/R 01

Discharge 2 - Storm Sewage

Schedule No. S/01/55404/R 02

(Discharge 1 incorporating the requirements of the Urban Waste Water Treatment Regulations 1994)

Subject to the provisions of Schedule 10 of the Water Resources Act 1991, no notice shall be served by the Agency, altering this consent without the agreement in writing of the consent holder, during a period of four (4) years from the date this consent takes effect or such later date as may be specified in an endorsement to this document.

This consent is issued and takes effect on the Twenty-second day of June 2000

Signed
Team Leader - Water Quality Consenting

The Environment Agency, Upper Severn Area,
Hafren House, Shelton, Shrewsbury SY3 8BB

WATER RESOURCES ACT 1991 - SECTION 190
(As Amended By The Environment Act 1995)

DATE OF ENTRY
ONTO REGISTER

29 JUN 2000

CONSENT NO.	S/01/55404/R
SCHEDULE NO.	S/01/55404/R 01
DATE ISSUED	22 nd June 2000

CONDITIONS OF CONSENT TO DISCHARGE

SECONDARY TREATED SEWAGE EFFLUENT ("the Discharge")

**FROM: LLANFAIR CAEREINION SEWAGE TREATMENT WORKS,
EITHINOG LANE, LLANFAIR CAEREINION, POWYS**

NATURE

- 1 The Discharge shall consist solely of secondary treated sewage effluent.

LOCATION

- 2 The Discharge shall be made in the manner and at the place specified as:-
- (a) discharging to the Afon Banwy
 - (b) at National Grid Reference SJ 1078 0699
 - (c) shown marked "OUTLET" on attached Drawing No.S/01/55404/R/D

SAMPLE POINT

- 3 An appropriately labelled sample point shall be provided and maintained at National Grid Reference SJ 1078 0699, or some other point as agreed in writing with the Agency 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.

VOLUME, RATE & FLOW

- 4 The Dry Weather Flow of the Discharge shall not exceed 262 cubic metres per day.

For the purpose of this condition Dry Weather Flow shall mean the average daily flow to the treatment works during seven consecutive days without rain (excluding a period which includes public holidays) following seven days during which the rainfall did not exceed 0.25 millimetres on any one day.

FLOW MEASUREMENT

- 5 Flow measurement structure(s) shall be provided and maintained to enable the daily volume and instantaneous flow rate of the Discharge to be measured or determined as required.

COMPOSITION

- 6 (a) Subject to paragraph (b) below, the Discharge shall not contain more than:-
- (i) 25 milligrams per litre of biochemical oxygen demand (determined in the presence of 0.5 milligram per litre of allyl-thiourea after 5 days at 20 degrees Celsius).
 - (ii) 45 milligrams per litre of suspended solids (measured after drying at 105 degrees Celsius).
- (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 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.

WORKS' OPERATION

- 7 (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(s) 6 of this consent schedule than is required by those conditions;
 - (ii) any alteration of the works or a change in the type of treatment used.

UNUSUAL WEATHER

- 8 (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 conditions 6 and 7 of this consent schedule 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 degrees Celsius 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 affect.
- (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 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

- 9 The consent holder shall notify the Agency in writing if any known planned introduction or material change, in respect of discharges from trade premises to the sewerage system, occurs, that may increase or introduce into the effluent any "dangerous substance" (set out in Annex 2 to this notice as updated from time to time and notified to the consent holder in writing), and any other substance considered by the consent holder as having or likely to have a significant effect on the receiving waters.

SUBSTANTIAL CHANGE

- 10 (a) 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.
- (b) A discharge of trade effluent into the works is new if:-
- (i) 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
 - (ii) it is made by a third party and the discharge is authorised on or after that date.
- (c) A discharge of trade effluent into the works is altered if:-
- (i) 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
 - (ii) it is made by a third party and the alteration of the discharge is authorised on or after that date.

- (d) 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 characteristics of the Discharge which are specifically regulated by condition(s) 6 of this consent schedule but it may be significant if it is caused by a change in some other characteristic of the Discharge.
- (e) For the purposes of this condition "trade effluent" means:-
- (i) any discharge by the sewerage undertaker other than
 - (1) domestic sewage from premises connected directly or indirectly to the works; or
 - (2) surface water run-off;
 - (ii) 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.

UNAUTHORISED DISCHARGES

- 11 (a) 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.
- (b) 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.
- (c) 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.

URBAN WASTE WATER TREATMENT REGULATIONS

- 12 (a) The consent holder shall comply with the Urban Waste Water Treatment (England and Wales) Regulations 1994 ('the Regulations').
- (b) For the purpose of condition 13 below, interpretations and references to a numbered regulation or Schedule shall have the meaning as in the Regulations, unless otherwise indicated.
- 13 (a) The Discharge derives from an agglomeration with a population equivalent of less than 2,000 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(7) and satisfy the requirements of Regulation 5(8)(a).

Dated this *Twenty-second* day of *June* 2000.



Team Leader - Water Quality Consenting

CONSENT NO.	S/01/55404/R
SCHEDULE NO.	S/01/55404/R 02
DATE ISSUED	22 nd June 2000

CONDITIONS OF CONSENT TO DISCHARGE

STORM SEWAGE ("the Discharge")

**FROM: LLANFAIR CAEREINION SEWAGE TREATMENT WORKS,
EITHINOG LANE, LLANFAIR CAEREINION, POWYS**

NATURE

- 1 The Discharge shall consist solely of storm sewage.

LOCATION

- 2 The Discharge shall be made in the manner and at the place specified as:-
- (a) discharging to the Afon Banwy
 - (b) at National Grid Reference SJ 1078 0699
 - (c) shown marked "OUTLET" on attached Drawing No.S/01/55404/R/D

SAMPLING REQUIREMENTS

- 3 Facilities shall be provided to ensure that the Discharge is capable of being conveniently and safely monitored at any time.

VOLUME, RATE & FLOW

- 4 The Discharge shall occur only when the rate of flow in the sewer at the storm overflow weir exceeds 15.6 litres per second due to rainfall and/or snow melt.

REMOVAL OF SEWAGE DEBRIS

- 5 When abnormal conditions result in a significant discharge of unsatisfactory solid matter which is visible in the receiving watercourse or on the banks of the receiving watercourse, in the vicinity of the outfall, the consent holder shall take all reasonable steps to collect and remove such matter as soon as reasonably practicable after the discharge has been reported.

RECORDING AND REPORTING

- 6 The consent holder shall notify the Agency in writing if any known planned introduction or material change, in respect of discharges from trade premises to the sewerage system, occurs, that may increase or introduce into the effluent any "dangerous substance" (set out in Annex 2 to this notice as updated from time to time and notified to the consent holder in writing), and any other substance considered by the consent holder as having or likely to have a significant effect on the receiving waters.

MAINTENANCE

- 7 The overflow shall be maintained in an efficient operational condition.

Dated this *Twenty-second* day of *June* 2000.



Team Leader - Water Quality Consenting

Annex 1

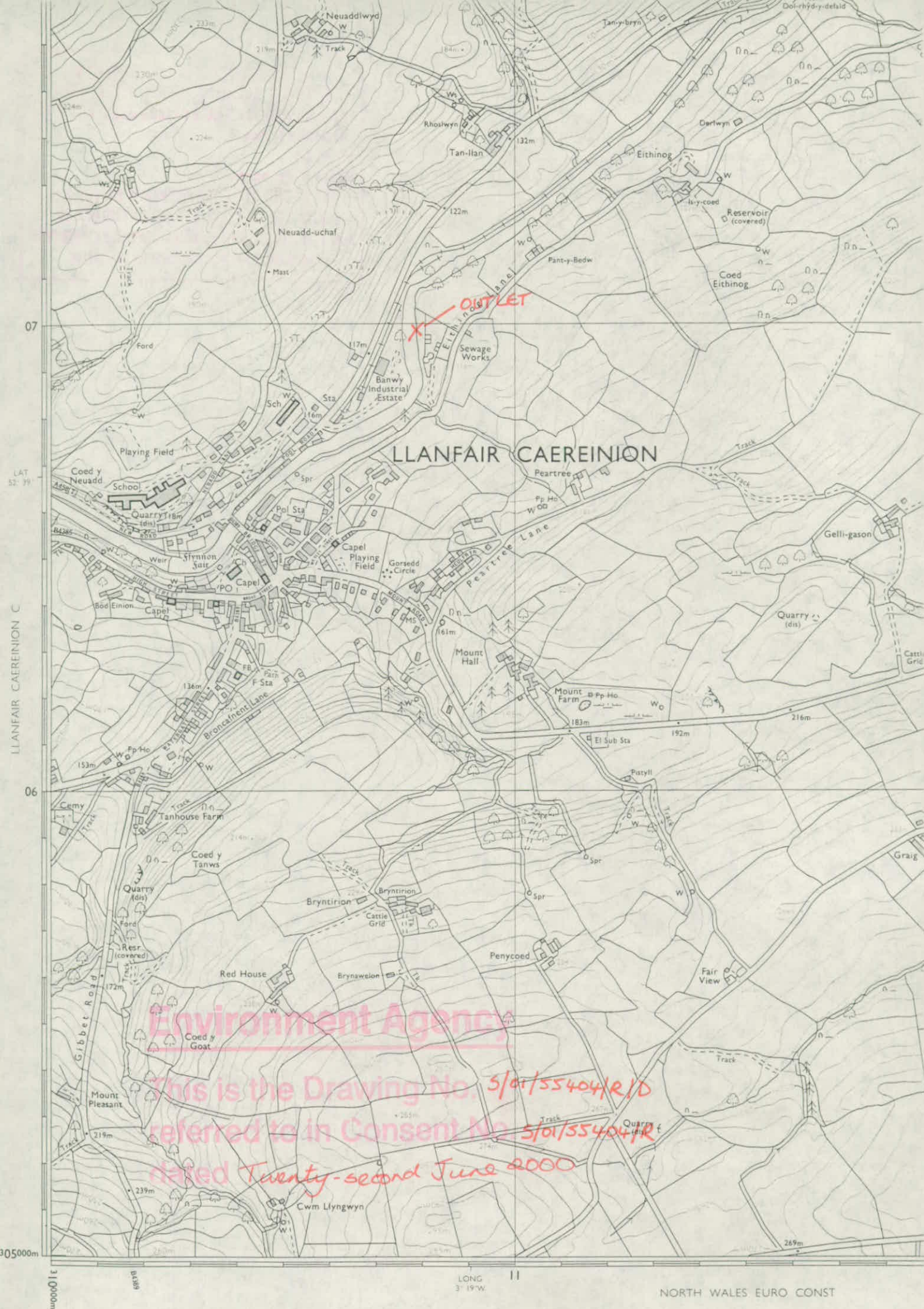
Column 1	Column 2
Series of samples taken in any period of 12 consecutive months	Maximum number of samples for given determinand permitted to exceed limit
4-7	1
8-16	2
17-28	3
29-40	4
41-53	5
54-67	6
68-81	7
82-95	8
96-110	9
111-125	10
126-140	11
141-155	12
156-171	13
172-187	14
188-203	15
204-219	16
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

Annex 2

- | | |
|--|------------------------------|
| 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 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.



ENVIRONMENT AGENCY
WATER RESOURCES ACT 1991

(AS AMENDED BY THE ENVIRONMENT ACT 1995)

CONSENT No. 5/01/55404/R

SCALE: 1:10,000

Sheet Numbers: ST 10 NW

REPRODUCED FROM THE ORDNANCE SURVEY MAP

WITH THE SANCTION OF THE CONTROLLER OF

H.M. STATIONERY OFFICE CROWN COPYRIGHT RESERVED

ORDNANCE SURVEY LICENCE No. WU29859X



**ENVIRONMENT
AGENCY**

CONSENT NO.

S/01/55158/R

**WATER RESOURCES ACT 1991
(AS AMENDED BY THE ENVIRONMENT ACT 1995)
SECTION 88 - SCHEDULE 10
NOTICE OF MODIFICATION OF CONSENT TO DISCHARGE**

TO: Severn Trent Water Limited
2297 Coventry Road
Birmingham

**WATER ACT 1991 - SECTION 190
(As Amended By The Environment Act 1995)**
**DATE OF ENTRY
ONTO REGISTER** **01 APR 1998**

The **ENVIRONMENT AGENCY** ("The Agency") in pursuance of its powers under the above mentioned Acts **HEREBY MODIFIES** the conditions subject to which Consent No. S/1/20939/R was given to Severn Trent Water Limited on 25 February 1992 by the National Rivers Authority in respect of the making of such a discharge of effluents as described in the attached Schedules and as from the date hereof **CONSENTS** to the making of two discharges.

FROM: Llanfair Caereinion Sewage Treatment Works, Powys

SUBJECT TO the conditions set out in the following schedules:

Secondary Treated Sewage Effluent
Storm Sewage

Schedule No. S/01/55158/R 01
Schedule No. S/01/55158/R 02

Subject to the provisions of Schedule 10 of the Water Resources Act 1991, no notice shall be served by the Agency, altering this consent without the agreement in writing of the discharger, during a period of four years from the date this consent takes effect or such later date as may be specified in an endorsement to this document.

This consent is issued and takes effect on the twenty fifth day of February 1998

Signed [Signature]
Area Environment Planning Manager

The Environment Agency, Upper Severn Area,
Hafren House, Shelton, Shrewsbury SY3 8BB

CONSENT NO.	S/01/55158/R
SCHEDULE NO.	S/01/55158/R 01
DATE ISSUED	25 February 1998

CONDITIONS OF CONSENT TO DISCHARGE

SECONDARY TREATED SEWAGE EFFLUENT ("the discharge")

FROM: LLANFAIR CAEREINION SEWAGE TREATMENT WORKS, POWYS

- 1 The Discharge shall consist solely of secondary treated sewage effluent.
- 2 The Discharge shall be made in the manner and at the place specified as:
 - (a) discharging to the Afon Banwy
 - (b) at National Grid Reference SJ 1078 0699
- 3 An appropriately labelled sample point shall be provided and maintained at National Grid Reference SJ 1078 0699, or some other point as agreed in writing with the Agency so that a representative sample of the Discharge may be obtained. The discharger 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.
- 4 The Dry Weather Flow of the Discharge shall not exceed 262 cubic metres per day.

For the purpose of this condition Dry Weather Flow shall mean the average daily flow to the treatment works during seven consecutive days without rain (excluding a period which includes public holidays) following seven days during which the rainfall did not exceed 0.25 millimetres on any one day.
- 5 Flow measurement structure(s) shall be provided and maintained to enable the daily volume and instantaneous flow rate of the Discharge to be measured or determined as required.
- 6 (a) Subject to paragraph (b) below, the Discharge shall not contain more than:
 - (i) 25 milligrams per litre of biochemical oxygen demand (determined in the presence of 0.5 milligram per litre of allyl-thiourea after 5 days at 20 degrees Celsius).
 - (ii) 45 milligrams 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 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.

7 As far as is reasonably practicable, the works shall be operated so as to prevent:

- (a) any matter being present in the Discharge, other than matter specifically covered by numerical conditions in this consent, to such an extent as to cause the receiving waters, or any waters of which the receiving waters are a tributary, to be poisonous or injurious to fish in those waters, or to the spawning grounds, spawn or food of fish in those waters, or otherwise cause damage to the ecology of those waters; and
- (b) the Discharge from having any other adverse environmental impact.

8 (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 conditions contained in paragraphs 6 and 7 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 degrees Celsius 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 discharger shall use its best endeavours to mitigate that adverse affect.
- (d) For a sample of the discharge to be considered for the purposes of (a) above, the discharger shall notify the Agency by telefax or telephone as soon as unusual weather

conditions are known to have adversely affected operations and 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.

- 9 The discharger shall notify the Agency in writing if any known introduction or material change, in respect of discharges from trade premises to the sewerage system, occurs that may increase or introduce into the effluent any "dangerous substance" included on Lists I, II, or Red List (set out in Annex 2 to this notice as updated by the Agency from time to time, and notified to the discharger in writing), or any other substance considered by the discharger as having or likely to have a significant effect on the receiving waters.

Dated this *twenty fifth* day of *February* 1998 .


Area Environment Planning Manager

CONSENT NO.	S/01/55158/R
SCHEDULE NO.	S/01/55158/R 02
DATE ISSUED	25 February 1998

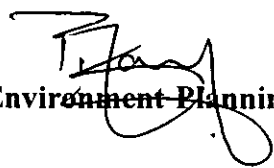
CONDITIONS OF CONSENT TO DISCHARGE

STORM SEWAGE ("the discharge")

FROM: LLANFAIR CAEREINION SEWAGE TREATMENT WORKS, POWYS

- 1 The Discharge shall consist solely of storm sewage.
- 2 The Discharge shall be made in the manner and at the place specified as:
 - (a) discharging to the Afon Banwy
 - (b) at National Grid Reference SJ 1078 0699
- 3 Facilities shall be provided to ensure that the Discharge is capable of being conveniently and safely monitored at any time.
- 4 The Discharge shall occur when the rate of flow at the storm overflow weir is in excess of 15.6 litres per second due to rainfall and/or snow melt.
- 5 The overflow shall be maintained in an efficient operational condition.
- 6 When abnormal conditions result in a significant discharge of unsatisfactory solid matter which is visible in the receiving watercourse or on the banks of the receiving watercourse, in the vicinity of the outfall, the discharger shall take all reasonable steps to collect and remove such matter as soon as reasonably practicable after the discharge has been reported.
- 7 The discharger shall notify the Agency in writing if any known introduction or material change, in respect of discharges from trade premises to the sewerage system, occurs that may increase or introduce into the effluent any "dangerous substance" included on Lists I, II, or Red List (set out in Annex 2 to this notice as updated by the Agency from time to time, and notified to the discharger in writing), or any other substance considered by the discharger as having or likely to have a significant effect on the receiving waters.

Dated this *twenty fifth* day of *February* 1998.


 Area Environment Planning Manager

Annex 2

- 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 "The drins" - (aldrin, dieldrin, endrin and isodrin)
- 8 Hexachlorobenzene (HCB)
- 9 Hexachlorobutadiene (HCBD)
- 10 Chloroform
- 11 Polychlorinated biphenyls
- 12 Dichlorvos
- 13 1,2-Dichloroethane
- 14 Trichlorobenzene
- 15 Atrazine
- 16 Simazine
- 17 Tributyltin compounds
- 18 Triphenyltin compounds
- 19 Trifluralin
- 20 Fenitrothion
- 21 Azinphos-methyl
- 22 Malathion
- 23 Endosulfan
- 24 Lead
- 25 Chromium
- 26 Zinc
- 27 Copper
- 28 Nickel
- 29 Arsenic
- 30* Boron
- 31* Iron
- 32 Vanadium
- 33 PCSDs
- 34 Cyfluthrin
- 35 Sulcofuron
- 36 Flucofuron
- 37 Permethrin
- 38* pH if outside the range 5.5 to 9.0
- 39 Cyanide
- 40 Azinphos-ethyl
- 41 Fenthion
- 42 Parathion
- 43 Parathion-methyl
- 44 Trichloroethylene
- 45 Tetrachloroethylene
- 46 Trichloroethane
- 47 Dioxins

This list is applicable as at 1 September 1994 and will be updated as and when changes to the relevant legislative requirements occur.

- * Notification to the Agency by the discharger 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 2

- | | |
|--|------------------------------|
| 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. Trizaphos | 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 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 1

Column 1	Column 2
Series of samples taken in any period of 12 consecutive months	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

WATER ACT 1991 - SECTION 190	
DATE OF ENTRY ONTO REGISTER	

Consent No S/1/20939/R

WATER RESOURCES ACT 1991

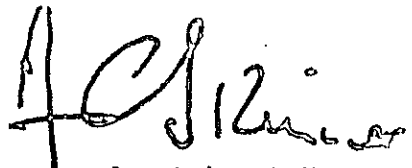
CONSENT FOR THE PURPOSES OF SECTION 88

TO: Severn Trent Water Limited
2297 Coventry Road
Birmingham
B26 3PU

The NATIONAL RIVERS AUTHORITY ("The Authority" which expression shall include any statutory successor to The Authority) whose principal office is at 30-34 Albert Embankment London SE1 7TL in exercise of its powers under the above mentioned Act and of all other powers enabling it in that behalf HEREBY CONSENTS to the making of discharges of effluent as described in the attached Schedule subject to the conditions set out in that Schedule, the subject of the application dated 23 May 1991.

This consent shall take effect from the first day of November 1992 and the conditions set out in the attached schedule will not, without the agreement in writing of the person or body responsible for the discharge, be altered before the expiry of a period of two years from that date.

Dated this *twenty fifth* day of *February* 1992


Regional Catchment Manager 

National Rivers Authority
Severn-Trent Region
Sapphire East
550 Streetsbrook Road
Solihull B91 1QT

SCHEDULE TO CONSENT NO. S/1/20939/R

CONDITIONS PRESCRIBED FOR DISCHARGES OF SEWAGE EFFLUENT FROM LLANFAIR CALREINION SEWAGE TREATMENT WORKS TO THE AFON BARRY.

Nature of Effluents

- 1 The discharges shall consist only of treated sewage effluent and storm sewage from an outlet at National Grid Reference SJ 1078 0699.

Volume of Effluents

- 2 The volume of treated sewage effluent discharged to the receiving water under dry weather conditions shall not exceed 262 cubic metres in any period of 24 hours.
- 3 The volume of storm sewage discharged to the receiving water shall be limited to that resulting from the overflow of sewage at the storm sewage separating weir of flows in excess of 15.6 litres per second and shall only consist of the flow in excess of this figure.

Composition of Effluents

- 4 Subject to paragraphs 5 and 6 below, no sample of the treated sewage effluent taken by the Authority shall contain more than:
 - (a) 45 milligrams per litre of suspended solids (measured after drying at 105 degrees Celsius).
 - (b) 25 milligrams per litre of biochemical oxygen demand (determined in the presence of 0.5 milligrams per litre of allyl-thiourea after 5 days at 20 degrees Celsius).
- 5 The limit for any of the determinands set out in paragraph 4 above may be exceeded where, in any series of samples of treated sewage effluent taken (whether before or after the grant of this consent) by the Authority in the period of twelve months ending on the date of the discharge, as listed in column (1) of the table at Annex A to this schedule, no more than the relevant number of samples, as listed in column (2) of the said table, exceeds the applicable limit in force for that determinand at the time when that sample is taken.
- 6 Notwithstanding paragraph 5 above, no sample of the treated sewage effluent shall contain more than:-
 - (a) 90 milligrams per litre of suspended solids (measured after drying at 105 degrees Celsius);
 - (b) 50 milligrams per litre of biochemical oxygen demand (determined in the presence of 0.5 milligrams per litre of allyl-thiourea after 5 days at 20 degrees Celsius);
- 7 The discharge of storm sewage shall not contain any solid matter capable of being retained on a screen, the apertures of which do not exceed 12 millimetres.

17

Monitoring of Effluents

- 8 The volumes and rates of discharge referred to above shall be measured by means of devices which shall be approved by the Authority, and installed, maintained and tested by the discharger as may be required by the Authority.
- 9 Records shall be maintained of the volumes and rates of discharge referred to above by means of a continuous recorder or some other means acceptable to the Authority and such records shall be made available to the Authority on demand.
- 10 Facilities shall be provided to authorised officers of the Authority so as to enable samples of the effluents discharged to be conveniently obtained at all times.

Special Condition

- 11 When the operation of the storm sewage overflow results in the visible deposition of solid waste matter in or on the banks of the receiving watercourse the discharger shall take all reasonable steps to collect and remove such matter as soon as reasonably possible thereafter.

Dated this *twenty fifth* day of *February* 1992



Regional Catchment Manager

ANNEX A

TABLE

(1) Series of samples taken in any year	(2) 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

Our Ref: MK/MEB/HVS/S/2/20939/R

Your Ref:

20 MAY 1992

Severn Trent Water Limited
2297 Coventry Road
Birmingham
B26 3PU

Water Resources Act 1991
Notification of Modification to Consent
Llanfair Caereinion Sewage Treatment Works

The Authority hereby gives notice pursuant to the powers of Section 88 of the Water Resources Act 1991 that Consent No.S/1/20939/R dated 25 February 1992 granted to Severn Trent Water Limited is modified with effect from the date of this notice as follows :-

The consent shall take effect from 15 June 1992 from which date the conditions set out in the schedule attached to the consent shall apply.

The conditions set out in the schedule will not, without the agreement in writing of the person or body responsible for the discharges, be altered before the expiry of a period of two years from the effective date of 15 June 1992.

Dated this *twentieth*

Day of *May* 1992

A. J. L. Jones
Regional Catchment Manager *[Signature]*

THE WATER ACT 1989 - APPLICATION FOR A DISCHARGE CONSENT

CP/WS/899

THREE COPIES OF APPLICATION FORM ACCOMPANIED BY AN ORDNANCE SURVEY MAP AT EITHER 1:2500 SCALE OR 1:10,000/1:10560 SCALES CLEARLY IDENTIFYING THE POINT OF DISCHARGE TOGETHER WITH ANY PLANS SHOWING DETAILS OF THE WORKS, DISCHARGE ARRANGEMENTS AND, WHERE APPROPRIATE, SAMPLING POINTS TO BE SUBMITTED FOR EACH DISCHARGE TO:-

National Rivers Authority
Severn Trent Region
Sapphire East
550 Streetsbrook Road
Solihull B91 1QT

Ref:
23 MAY 1991
To:
Action Date:
Review Date:

For office use only	
Appn. No	WAV/WS/3107
Date received	23.5.91
Date of entry on register	29.5.91

PART 1 DETAILS REQUIRED FOR PUBLIC REGISTER

- 1.1 Name of applicant (ie of principal, not the agent): SEVERN TRENT WATER LIMITED.
- 1.2 Address (registered office if Ltd Co): 2297 COVENTRY ROAD SHELTON BIRMINGHAM
B29 3PU Tel No: 021 722 4000
- 1.3 Name & address of agent: SEVERN TRENT ENGINEERING
SHELTON SHREWSBURY SY3 8BT Tel No: 265811
- 1.4 Full address or other sufficient description of land or premises from which the effluent is/will be discharged
LLANFAIR CAEREINION WATER RECLAMATION WORKS
EITHING LANE, LLANFAIR CAEREINION
- 1.5 (a) Location of the discharge (eg. point(s) marked X on the OS map attached/OS National Grid reference)
SJ 1078 0699
- (b) Name of stream (or description of land) to which discharge is/to be made
RIVER BANWY

1.6 Nature and composition of effluent:-

Sewage effluent	☒
Trade effluent	☐

Site drainage	☐
Any other matter	☒

Please give:-

STORM WATER

(Please tick as appropriate)

CATCHMENT REGULATION	
Item No:	
Ref:	
	24 JUN 1991
To:	
Action Date:	
Review Date:	

- (b) Average and range of variation of constituents likely to be present in the discharge

	Average	Range
Biochemical Oxygen Demand (ATU):	13	5 - 25
Chemical Oxygen Demand:		
Suspended Solids:	23	9 - 45
Ammonia:		
Cyanide:	NONE	
* Toxic metals, please specify each metal present:	NONE	
Phenolic Compounds:	NONE	
pH Value:	7.3	6.5 - 8.0
Any other poisonous, noxious or polluting matter:	NONE	

- (c) Indicate the concentration if any, of organohalogen, organophosphorus and organotin compounds, mercury and its compounds, cadmium and its compounds likely to be present in the effluent. If none please state none (See Section 5 of Notes for Guidance)

NONE

1.7 Maximum temperature: AMBIENT (°C) 1.8 Maximum rate of discharge: 15.6 (litres/second)

1.9 Daily volume of discharge:- (a) Average: 315 (b) Maximum: 1349
(cubic metres)

1.10 If the consent is required for a limited period give dates:

* If inadequate space please continue on a separate sheet.

Please refer to the enclosed Notes for Guidance when completing the application form.

THIS APPLICATION WILL NOT BE ACCEPTED UNLESS ALL THE RELEVANT QUESTIONS ARE ANSWERED IN FULL AND THE REQUIRED MAP AND PLANS SUPPLIED. IF IN DOUBT CONTACT THE AUTHORITY.

PART 2 TO BE COMPLETED FOR ALL APPLICATIONS

- 2.1 Particulars of all existing discharges from the same land or premises onto or into land or to a stream (ie the place and nature of the discharge). If subject to consent or application for consent of the Authority, the reference number will suffice.

COPA / 3936

- 2.2 Date on which discharge is to be first made ... COMMISSIONING 1-7-92

IN CERTAIN CIRCUMSTANCES THE AUTHORITY IS REQUIRED TO ADVERTISE DETAILS OF AN APPLICATION IN LOCAL NEWSPAPERS AND IN THE LONDON GAZETTE AND THE APPLICANT WILL BE REQUIRED TO REIMBURSE THE COST THEREOF. (SEE SECTION 2 OF NOTES FOR GUIDANCE.)

- 2.3 (a) Name(s) of newspaper(s)* circulating in the area of the discharge. (The choice of newspaper(s) for advertising meets with the Authority.)

SHROPSHIRE STAR, MONTGOMERY COUNTY TIMES

- (b) Address of suitable premises within the locality of the discharge where details of this application may be held for inspection by the general public during all reasonable hours.

MONTGOMERY DISTRICT COUNCIL, COUNCIL OFFICES
SEVERN ROAD, WELSHPOOL

- 2.4 Have you made application for a certificate of exemption from publicity? Yes/No
(See Section 4 of Notes for Guidance)

If a certificate has been obtained, a copy should be submitted with this application or as soon thereafter as possible.

- 2.5 Name of district council within whose area the discharge occurs ... MONTGOMERY

- 2.6 Name of water undertaker within whose area the discharge occurs ... SEVERN TRENT

PART 3 TO BE COMPLETED FOR DISCHARGES ONTO OR INTO LAND (PLEASE ALSO COMPLETE PART 4 OR PART 5 AS APPROPRIATE)

- 3.1 Description of land and/or strata to which discharge is made (eg sub-soil, carboniferous limestone, coal measures, etc)

- 3.2 Means by which effluent is discharged, eg well, borehole or pipe (giving depth, construction details, etc)

- 3.3 What facilities are available/to be provided for inspection and for sampling of the discharge?

- 3.4 Please ensure compounds listed in Annex I of the notes accompanying this form are included in your answers to Question 1.6 or are specified under separate form.

* Must be a registered newspaper and be available at newsagents.

PART 4 DESCRIPTION OF OUTLET. TO BE COMPLETED FOR DISCHARGES TO STREAMS OR CONTROLLED WATERS (PLEASE ALSO COMPLETE PARTS 5 AND 6 AS APPROPRIATE)

4.1 Does the application involve an existing outlet, the alteration of an existing one or the construction of a new outlet? If a new or altered outlet provide drawing of construction.

~~EXISTING~~/~~ALTERED~~/NEW (delete as appropriate)

4.2 Will the outlet be at all times accessible for taking of samples of effluent by Water Authority officers?

YES ~~NO~~

4.3 If the outlet is not suitable for the taking of samples, what alternative facilities exist or will be provided to enable samples to be taken of the effluent discharged?

.....
.....

PART 5 TO BE COMPLETED FOR TRADE EFFLUENTS/SITE DRAINAGE/ANY OTHER MATTER

5.1 Details of the process, operation or other source from which the effluent is derived.

.....
.....
.....

5.2 Details of treatment of the effluent including flow balancing, if any, prior to discharge:-

.....
.....
.....

PART 6 TO BE COMPLETED FOR SEWAGE EFFLUENTS

If treated sewage effluent complete 6.1 - 6.5, for others 6.6 - 6.7:-

6.1 NATURE OF DISCHARGE

6.1.1 Indicate type of discharge:

- | | |
|-----------------------------|-------------------------------|
| (a) Final treated sewage ✓ | (e) Emergency sewage overflow |
| (b) Storm tank discharge | (f) Septic tank |
| (c) Storm sewage overflow ✓ | |
| (d) Surface water sewer | |

Other (specify)

6.1.2 State whether effluent contains one or more of:

- | | |
|---|--|
| (a) domestic sewage ✓ | |
| (b) trade effluent (state type of industries and average daily volume of industrial effluent) | |
| (c) surface water ✓ | |

6.1.3 Give maximum temperature (°C) of effluent (if appropriate).

6.1.4 Give BOD(ATU) load to be treated (kg/d). 90

6.2 VOLUME, RATE AND PERIOD OF DISCHARGE

6.2.1 Design DWF or capacity of works (m³/d).

262 M³ (2005)

6.2.2 DWF of discharge (m³/d).

262 M³

6.2.3 Average daily flow of discharge (m³/d). 1.2 DWF = 315 M³

6.2.4 Maximum quantity of effluent to be given full treatment (m³/d). 1349 M³

6.2.5 Maximum rate of discharge given storm tank treatment (m³/d).

6.2.6 State period during which discharge will take place (e.g. seasonal, tidal).

6.3 TREATMENT PROVIDED (Please tick as appropriate)

- (a) Screening ☐
(b) Maceration/comminutor ☐
(c) Primary Settlement ☒
(d) Biological Filters ☐
(e) Storm Tank ☐
(f) Package Plant (specify) ☒

- (g) Pasveer Ditch ☐
(h) Activated Sludge ☐
(i) Final Settlement ☒
(j) Tertiary (specify) ☐
(k) Septic Tank ☐
(l) Other (specify) ☐

MODULAR

6.4 Give:

- (a) actual population served, ... PRESENT 1000 FUTURE 1500 or
(b) estimated population equivalent, or
(c) number of properties served,

(If seasonal state maximum and minimum populations served)

6.5 ANY OTHER RELEVANT INFORMATION (eg reason for new works etc)

TO PROVIDE TREATMENT CAPACITY FOR PRESENT AND FUTURE REQUIREMENTS

6.6 NATURE OF DISCHARGE (Please tick as appropriate)

6.6.1 Indicate type of discharge:

- (a) Storm sewerage overflow on foul sewer. AT WORKS ☒
(b) Emergency overflow at sewage pumping station. ☐
(c) Storm sewage overflow/emergency overflow at sewage pumping station. ☐
(d) Surface water sewer. ☐
(e) Other (please specify).

6.6.2 State whether effluent contains on or more of:

- (a) Domestic sewage. ☒
(b) Trade effluent (state type of industries and average daily volume of trade effluent). NONE
(c) Surface water. ☒

6.6.3 Give maximum temperature (°C) of effluent (if not ambient).

6.7.1 For all discharges of foul sewage:

- (i) Will discharge be screened, if so give details including bar spacing on screens. CO-PASAC
(ii) For existing discharges give details of frequency of operation of overflow based on past experience.

6.7.2 For emergency overflows

- (i) Is there to be an alarm system - if so give details?
(ii) If answer to (i) above is no how will failure of station be realised?
(iii) Give pumps arrangement ie 1 duty, 1 standby etc.
(iv) Is there provision for connecting an emergency generator, if so give details?
(v) Give maximum rate of discharge from overflow.
(vi) Give minimum retention capacity of wet well ie that between high level alarm and overflow level.

6.7.3 For storm overflows

- (i) Give storm overflow setting: 15.6 l/sec
- (ii) How does (i) above relate to Formula A, 6 DWF etc - give basis of calculation.
..... BASED ON 6 PG + 7 + 3.5
- (iii) Give dry weather flow in sewer: 262 M³/d
- (iv) Give maximum rate of discharge from overflow: 21.5 l/sec

PART 7 ANY ADDITIONAL INFORMATION RELEVANT TO THE APPLICATION

(continue on a separate sheet if necessary)

TO BE COMPLETED FOR ALL APPLICATIONS

I/We hereby apply for consent under the provisions of the Water Act 1989 to make a discharge of effluent as described in this application and detailed on the attached plans. I/We agree to reimburse the costs of any advertisements.

Signed *DR McManus* Date 15/5/91

ENVIRONMENTAL

In FIELD OFFICER capacity as

IT IS AN OFFENCE TO MAKE A FALSE STATEMENT IN APPLYING FOR CONSENT (SEE SECTION 175) OF THE WATER ACT 1989)