



DŴR CYMRU
WELSH WATER

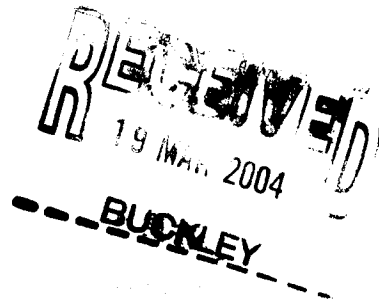
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Ms Wendy Price
Water Quality Officer
Environment Agency
Chester Road
Buckley
Flintshire
CH7 4AJ



Dyddiad/Date:
18 March 2004

Ymholiadau/Enquiries:
JP Edwards
Tel: 01244 661628

Ein Cyf./Our Ref:
Llangollen STW
Eich Cyf./Your Ref:

Dear Wendy

Re: Llangollen WwTW- Storm Tank CM0005501

I am writing to confirm that DCWW agree to waive the Hands Off period on the above consent to enable the diameter of the discharge pipe to be amended to 300mm in the discharge consent clause 2 in Schedule CM0005501 01 and clause 3 in Schedule CM0005501 02.

Sorry for any inconvenience

Yours sincerely

JP Edwards

JP EDWARDS
Area Regulation Scientist



glas
Glas Cymru Cyfyngedig



We welcome correspondence in Welsh and English
Rydym yn croesawu gohebiaeth yn y Cymraeg neu yn Saesneg

CONSENT NO.

CM0005501



ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

(AS AMENDED BY THE ENVIRONMENT ACT 1995)

VARIATION OF CONSENT TO DISCHARGE

TO: Environment Quality Scientist
Dŵr Cymru Cyf.
Pentwyn Road
Nelson
Treharris
Mid Glamorgan CF46 6LY

In pursuance of an application by the consent holder for variation of consent, the **ENVIRONMENT AGENCY** ("The Agency") in pursuance of its powers under the Water Resources Act 1991 **HEREBY VARIES ITS CONSENT** to the making of several discharges of **SEWAGE EFFLUENT** as follows:

Storm Sewage and Sewage in an Emergency

with respect to Consent No. CM0005501 issued on the 20th December 1963

FROM: Llangollen Pump Station (STW CSO)

AT: Dee Mill Place, Llangollen

TO: the River Dee

HEREAFTER SUBJECT TO the conditions set out in the following schedule(s):

Storm Sewage

Schedule No. CM 0005501 01

Sewage in an Emergency

Schedule No. CM 0005501 02

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 variations made to this consent, without the agreement in writing of the consent holder, during a period of 4 years from the date this variation is issued.

This variation of consent is issued on the 3rd day of March 2004
This variation of consent takes effect on the 31st day of March 2004

Signed

DAVID POWELL

Environment Management Team Leader





CONSENT NO.	CM0005501
SCHEDULE NO.	CM0005501 01
DATE ISSUED	3rd March 2004

CONDITIONS OF CONSENT TO DISCHARGE

Storm Sewage ("the Discharge")

FROM: Llangollen Pump Station (STW CSO), Dee Mill Place, Llangollen

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 via a 150 millimetre diameter pipe;
 - (b) discharging to the River Dee;
 - (c) at National Grid Reference SJ 21847 42014;
 - (d) shown marked Consent Point on Plan CM0005501 attached as Annex 1.

SAMPLING POINTS

3. A sample point shall be provided and maintained at National Grid Reference SJ 21842 42053, as shown marked 'Discharge Sample Point' on the attached Plan number CM0005501, or some other point as agreed in writing with the Agency, so that a representative spot 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 being discharged into controlled waters.



CONSENT NO.	CM0005501
SCHEDULE NO.	CM0005501 01



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VOLUME

4. A storm sewage storage facility of 177 cubic metres design capacity shall be provided and fully utilised prior to discharge being made.
5. The Discharge shall occur when, and only for as long as, the storm sewage storage facility is fully utilised and the rate of flow at the combined sewage overflow is in excess of 38.87 litres per second due to rainfall and/or snow melt, and shall consist only of flows in excess of this figure. The storm sewage storage facility shall be emptied and its contents returned to the pass forward flow as soon as practicable after cessation of the overflow.

COMPOSITION

6.
 - (a) The discharge shall have passed, without prior comminution or maceration, through a screening device having apertures no greater than 6mm in two dimensions.
 - (b) The screening device shall be maintained in an efficient operational condition.
 - (c) All screenings must be removed and disposed of in a manner such as to prevent entry to the discharge.

MAINTENANCE

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

RECORDING AND REPORTING

8.
 - (a) A recording system shall be provided and maintained to record the frequency and duration of overflow events.
 - (b) On request, the Consent Holder shall supply the Agency with a written report on the frequency and duration of overflow events.



CONSENT NO.	CM0005501
SCHEDULE NO.	CM0005501 01



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9. (a) A 24 hour response telemetry alarm system shall be provided by start of commissioning of the overflow.
- (b) The 24 hour response telemetry alarm shall be maintained to provide a notification in the event of a failure of the screen raking mechanism during normal operation.
- (b) The Consent Holder shall notify the Agency, at least within 24 hours after receipt of a telemetry warning, that the failure has taken place.
- (c) On request the Consent Holder shall supply the Agency with a written report on the screen raking mechanism failure. The report shall detail the reasons why the situation occurred, the actions taken by the Consent Holder and an assessment of what measures can be adopted in the future to minimise such occurrences.

START DATE

10. Until discharge is permitted under the terms of this consent, the quality of the effluent from Llangollen Pump Station (STW CSO) shall be controlled under the terms of the consent issued on the 20th day of December 1963. There shall be no discharge under the terms of this consent until the 31st March 2004 or the end of commissioning of the works which ever is the sooner. The Consent Holder shall give the Agency at least 28 days written notice before making the discharge.



CONSENT NO.	CM0005501
SCHEDULE NO.	CM0005501 02
DATE ISSUED	3rd March 2004



**ASiantaeth yr
Amgylchedd Cymru
Environment
Agency Wales**

CONDITIONS OF CONSENT TO DISCHARGE

Sewage in an Emergency ("the Discharge")

FROM: Llangollen Pump Station (STW CSO), Dee Mill Place, Llangollen

NATURE

1. The Discharge shall consist solely of sewage in an emergency.
2. The Discharge shall only occur when the sewage pumping station is inoperative as a result of one or more of the following:
 - (i) electrical power failure not due to the act or default of the Consent Holder, its agents, representatives, officers, employees or servants;
 - (ii) mechanical breakdown of duty and standby pumps;
 - (iii) rising main failure;
 - (iv) blockage of the downstream sewer not due to the act or default of the Consent Holder, its agents, representatives, officers, employees or servants;

and it is not reasonably practicable to dispose of the sewage otherwise. There shall be no undue delay on the part of the Consent Holder in remedying any such failure or breakdown.

LOCATION

3. The Discharge shall be made in the manner and at the place specified as:
 - (a) discharging via a 150 millimetre diameter pipe;
 - (b) discharging to the River Dee;
 - (c) at National Grid Reference SJ 21847 42014;
 - (d) shown marked Consent Point on Plan CM0005501 attached as Annex 1.



CONSENT NO.	CM0005501
SCHEDULE NO.	CM0005501 02



SAMPLING POINTS

4. A sample point shall be provided and maintained at National Grid Reference SJ 21842 42053, as shown marked 'Discharge Sample Point' on the attached Plan number CM0005501, or some other point as agreed in writing with the Agency, so that a representative spot 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 being discharged into controlled waters.

VOLUME

5. Storage capacity, equivalent to a total of at least 2.3 hours of the dry weather flow in the sewer immediately upstream of the pumping station, shall be provided in the pumping station, and/or the upstream sewerage system, above the wet well design top water level.

For the purpose of this condition Dry Weather Flow shall mean the average daily flow as measured in the sewer immediately upstream of the pumping station 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.

COMPOSITION

6. (a) The discharge shall have passed, without prior comminution or maceration, through a screening device having apertures no greater than 6mm in two dimensions.
- (b) The screening device shall be maintained in an efficient operational condition.
- (c) All screenings must be removed and disposed of in a manner such as to prevent entry to the discharge.



CONSENT NO.	CM0005501
SCHEDULE NO.	CM0005501 02



RECORDING AND REPORTING

7. (a) The Consent Holder shall establish and operate a documented maintenance programme and record all non-routine actions undertaken that may have adversely affected the operation of the pumping station. 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 the operation of the pumping station.

TELEMETRY

8. (a) A 24 hour response telemetry alarm system shall be provided and maintained to give notification of failure or breakdown of the pumping station.
- (b) The Consent Holder shall take all reasonable remedial measures to return the pumping station to normal operation, as soon as practicable after receipt of warning of failure or breakdown of the pumping station.
- (c) The Consent Holder shall notify the Agency, as soon as practicable, when there is potential for operation of the emergency overflow in the event of failure or breakdown of the pumping station.
9. A 24 hour response telemetry alarm system shall be provided and maintained to provide a notification in the event of operation of the emergency overflow.
10. On request the Consent Holder shall supply the Agency with a written report on the operation of the emergency overflow.

PUMPS

11. The duty pump(s) shall be maintained in good working order, and at least one stand-by pump shall be provided and maintained.



CONSENT NO.	CM0005501
SCHEDULE NO.	CM0005501 02



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12. Stand-by pump(s) shall automatically activate should the duty pump(s) become inoperative for reasons other than power failure. The pumping station shall be maintained so that the pump shall automatically reactive immediately after the power is restored after interruption to the supply.

ACCESS

13. A tanker access facility at an appropriate location shall be provided and maintained to enable removal of sewage by tanker when necessary.

START DATE

14. Until discharge is permitted under the terms of this consent, the quality of the effluent from Llangollen Pump Station (STW CSO) shall be controlled under the terms of the consent issued on the 20th day of December 1963. There shall be no discharge under the terms of this consent until the 31st March 2004 or the end of commissioning of the works which ever is the sooner. The Consent Holder shall give the Agency at least 28 days written notice before making the discharge.



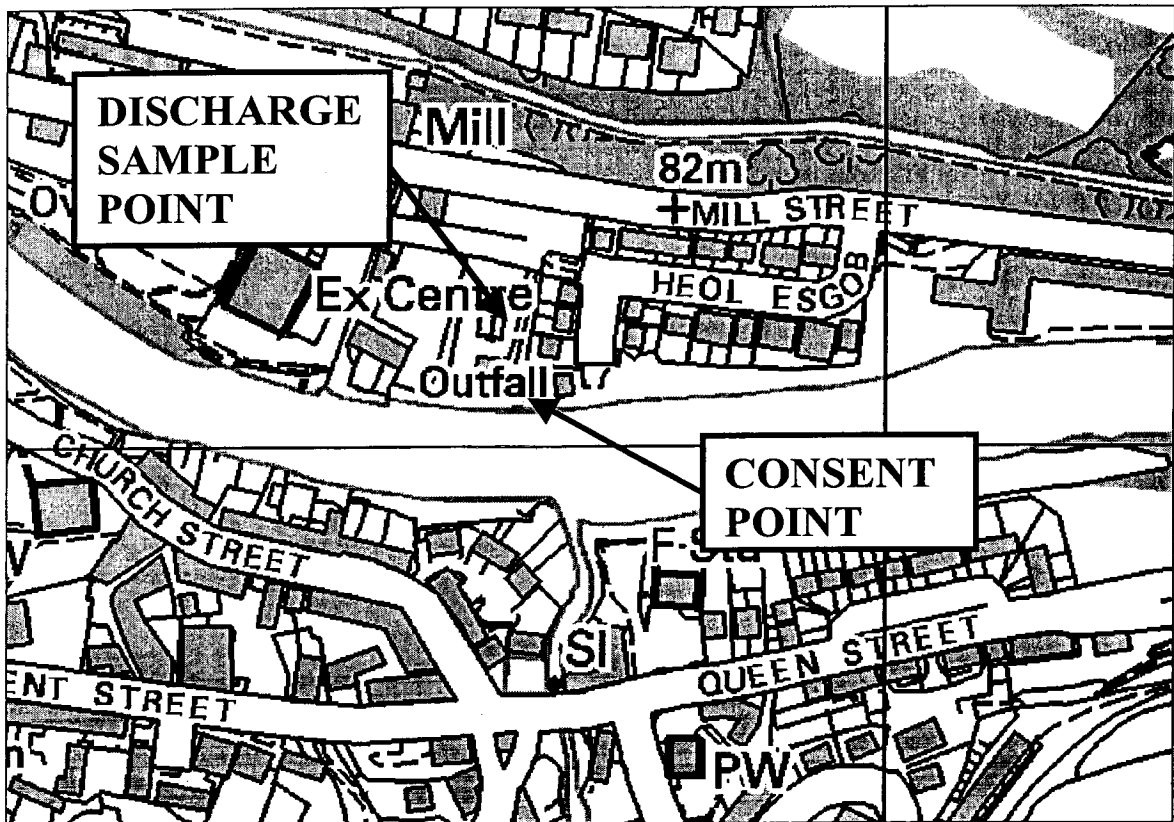
CONSENT NO.	CM0005501
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ANNEX 1

PLAN No. CM0005501



NOT TO SCALE



COPY

<p>11. Conclusion: Is the proposal likely to have a significant effect 'alone or in combination' on a European site? (justification – attach any relevant supporting information)</p>	<p>No – as this is an existing consent that will be improved under the AMP Scheme.</p> <p>Any discharges from the pumping station will be under storm or emergency conditions. Modelling work undertaken by the Agency has indicated that spills will last less than 1.08 % of the time and will not have any impact on water quality in the area.</p> <p>New 6mm screens are proposed for the outfall to further improve the effluent quality and minimise the aesthetic impact of any discharge. Alarms will also be in place to alert operatives to pump failure and ensure any problems are resolved as soon as possible.</p> <p>The discharge is not likely to have a significant effect on the Habitats site in question.</p>	
<p>12. Name of EA Officer:</p>	<p>Karen Owen (Ext 4584)</p>	<p>Date: 25/11/03</p>
<p>13. EN/CCW comment on assessment:</p>	<p><i>CCW agree with the EA's assessment that the proposed discharge will not have a significant effect upon the River Dee and Bala Lake CSAC</i></p>	
<p>14. Name of EN/CCW Officer:</p>	<p><i>Rh Williams</i></p>	<p>Date: <i>14/01/04</i></p>
<p>IF THE PROPOSAL IS LIKELY TO HAVE A SIGNIFICANT EFFECT AN APPROPRIATE ASSESSMENT WILL BE REQUIRED (see part B for suggested scope).</p>		

Application No: CM0005501

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APPENDIX 11		 ENVIRONMENT AGENCY
Form HR01: Proforma for new applications within Stage 2 criteria.		
Environment Agency Record of Assessment of Likely Significant Effect On A European Site (Stage 2)		
The new application for a please fill in details detailed below is within the Stage I criteria of please fill in details, and in order to progress the application a Stage 2 assessment and consultation with EN/CCW is required.		
PART A		
To be completed by relevant technical/project officer in consultation with Conservation/Ecology section and EN/CCW		
1. Type of permission/activity:	Water Resources Act (1991) (as amended by Environment Act 1995) consent to discharge	
2. Agency reference no:	CM0005501	
3. National Grid reference:	SJ 21847 42014	
4. Site reference:	Llangollen Pumping Station (STW CSO) Dee Mill Place Llangollen LL20 8SE	
5. Brief description of proposal:	Application to discharge 7009m ³ /d of sewage effluent under emergency or storm conditions. This is an existing consent and will be an improvement under the AMP Scheme	
6. European site name(s) and status:	River Dee pSAC, UK0030252 Dee Estuary pSAC, UK9013031 Dee Estuary SPA features Dee Estuary RAMSAR features	

<p>7. List of interest features:</p>	<p>1.10 Coastal habitat</p> <p>2.11 Coastal plants</p> <p>1.11 Coastal habitats sensitive to abstraction</p> <p>2.5 Anadromous fish</p> <p>2.1 Vascular Plants of aquatic habitats</p> <p>1.12 Estuarine and intertidal habitats</p> <p>2.9 Mammals of riverine habitats</p> <p>3.8 Birds of coastal habitats</p> <p>3.9 Birds of estuarine habitats</p> <p>2.10 Amphibia</p>	
<p>8. Is the proposal directly connected with or necessary to the management of the site for nature conservation?</p>	<p>No</p>	
<p>9. What potential hazards are likely to affect the interest features? (Refer to relevant sensitivity matrix and only include those to which the interest features are sensitive). Are the interest features potentially exposed to the hazard?</p>		
<p>Sensitive Interest Feature:</p>	<p>Potential hazard:</p>	<p>Potential exposure to hazard and mechanism of effect/impact if known:</p>

<u>River Dee and Dee Estuary pSAC Features: -</u>		
1.10 Coastal Habitat Fixed dune with herbaceous vegetation (grey dunes) Vegetated sea cliffs of the Atlantic and Baltic Coasts	N/a	
2.11 Coastal Plants Annual vegetation of drift lines	N/a	
1.11 Coastal Habitats Sensitive to Abstraction Atlantic salt meadows, Embryonic shifting dunes, Humid dune slacks, Mudflats and sandflats not covered by seawater at low tide, Shifting dunes along the shoreline with <i>Ammophila arenaria</i> – White dunes	A, b, d, f, g, h	
2.5 Anadromous fish <i>Lampetra fluviatilis</i> – River lamprey <i>Petromyzon Marinus</i> – Sea lamprey <i>Cottus gobio</i> – Bullhead <i>Lampetra planeri</i> – Brook lamprey <i>Salmo salar</i> - Salmon	A, b, c, d, e, g, h	
2.1 Vascular Plants of Aquatic Habitats <i>Petalophyllum ralfsii</i> – Petalwort <i>Luronium natans</i> – Floating water plantain Water courses of plain to montane levels with the <i>Ranunculion fluitantis</i> and <i>Callitriche-Batrachion</i> vegetation (rivers with floating vegetation often dominated by water crowfoot) Salicornia and other annuals colonising mud and sand	A, b, c, d, e, f, g, h	
2.9 Mammals of riverine habitats <i>Lutra lutra</i> - Otter	A, b, c, d, e, g, h	
<u>SPA Features: -</u>		
3.9 Birds of Estuarine Habitats <i>Limosa lapponica</i> – Bar-tailed Godwit <i>Tadorna tadorna</i> – Shelduck <i>Anas acuta</i> – Pintail <i>Numenius arquata</i> – Curlew <i>Tringa totanus</i> - Redshank	A, b, d, e, f, g, h	
3.8 Birds of Coastal Habitats <i>Sterna sandvicensis</i> – Sandwich tern <i>Sterna hirundo</i> – Common tern <i>Sterna albifrons</i> – Little tern <i>Haematopus ostralegus</i> – Oyster catcher <i>Pluvialis squatarola</i> – Grey plover <i>Calidris alpina alpina</i> – Dunlin <i>Limosa limosa islandica</i> – Black-tailed Godwit	A, b, d, e, g	

RAMSAR Features: -		
2.10 Amphibia <i>Bufo calamita</i> – Natterjack toad	A, b, c, d, e, g, h	
3.8 Birds of Coastal Habitats <i>Anas crecca</i> – Teal <i>Tringa totanus</i> – Redshank <i>Haematopus ostralegus</i> – Oyster catcher <i>Pluvialis squatarola</i> – Grey plover <i>Calidris alpina alpina</i> – Dunlin <i>Limosa limosa islandica</i> – Black-tailed Godwit	A, b, d, e, g	
3.9 Birds of Estuarine Habitats <i>Tadorna tadorna</i> – Shelduck <i>Anas acuta</i> – Pintail <i>Calidris canutus</i> – Knot <i>Limosa lapponica</i> – Bar-tailed Godwit <i>Numenius arquata</i> - Curlew	A, b, d, e, f, g, h	
Key: - A – Toxic Contamination B – Nutrient Enrichment C – pH Changes D – Changes in Salinity Regime E – Changes in Thermal Regime F – Physical Damage G – Turbidity H – Siltation		
10. Is the potential scale or magnitude of any effect likely to be significant?		
a) Alone? (explain conclusion, e.g. in relation to de minimus criteria)	No – see point 11	
b) In combination with other plans or projects? (Explain conclusion and which plans/projects have been included, including those associated with other functions).	No – see point 11	

Part B - SUGGESTED SCOPE OF THE APPROPRIATE ASSESSMENT

-

15. EN/CCW Comment on scope of appropriate assessment:

16. Name of EN/CCW Officer:

Date:



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ENVIRONMENT
AGENCY WALES

Eich cyf/Your ref.

Ein cyf/Our ref. WP/RP/CM0005501

Dyddiad/Date: 26th November 2003

Mr Day
CCW,
NE Area Office,
Victoria House,
Governor St.,
Mold,
Flintshire, CH7 1EJ

COPY

Dear Mr Day,

WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995): FORMAL CONSULTATION. APPLICATION FOR CONSENT TO DISCHARGE SEWAGE EFFLUENT UNDER STORM OR EMERGENCY CONDITIONS BY DWR CYMRU CYF FROM LLANGOLLEN PUMPING STATION (STW CSO) DEE MILL PLACE, LLANGOLLEN, LL20 8SE APPLICATION NO: CM0005501

I append a copy of the application for consent to discharge received from Dwr Cymru Cyf and Appendix 11. If you have any comments regarding this application could you please respond by 9th December 2003.

Yours sincerely

Kelvin Graham
Team Leader Customer Contact & Authorisations

Please ask for Ruth Prichard ext 4502

Asiantaeth yr Amgylchedd Cymru
Ffordd Caer, Bwcle, Sir y Fflint CH7 3AJ
Ffon 01244 550124 Ffacs 01244 550144

Environment Agency Wales
Chester Road, Buckley, Flintshire CH7 3AJ
Tel 01244 550124 Fax 01244 550144





ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Eich cyf/Your ref.

Ein cyf/Our ref. WP/RP/CM0005501

Dyddiad/Date: 26th November 2003

Mr Williams
CCW,
NE Area Office,
Victoria House,
Governor St.,
Mold,
Flintshire, CH7 1EJ

COPY

Dear Mr Williams,

WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995): FORMAL CONSULTATION. APPLICATION FOR CONSENT TO DISCHARGE SEWAGE EFFLUENT UNDER STORM OR EMERGENCY CONDITIONS BY DWR CYMRU CYF FROM LLANGOLLEN PUMPING STATION (STW CSO) DEE MILL PLACE, LLANGOLLEN, LL20 8SE APPLICATION NO: CM0005501

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Yours sincerely

Kelvin Graham
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Please ask for Ruth Prichard ext 4502

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Environment Agency Wales
Chester Road, Buckley, Flintshire CH7 3AJ
Tel 01244 550124 Fax 01244 550144





ASIANTAETH YR
AMGYLCHEDD
ENVIRONMENT
AGENCY

WATER RESOURCES ACT 1991 (schedule 10)

(as amended by the Environment Act 1995)

Application for new consent /variation to an existing consent* to discharge
(* delete as appropriate)

Regional/Area Address: Discharge Consent Applications Environment Agency Wales Chester Road Buckley Flintshire CH7 3AJ	<i>Official Use Only</i> <i>Dist/Area Ref:</i> <i>Application No.</i> CM 0005501 <i>Date Received:</i> 18/11/03 <i>Fee Received:</i> 18/11/03
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Each applicant must complete the main form and may need to complete a separate annexe if appropriate. Please look through the form and read the notes carefully before you complete it. Processing of your application will be aided by full and accurate completion of all relevant sections and provisions of the necessary plans. If you have any queries regarding the form please contact the person given in the notes.

NOTE:

All information contained within this application will be made available on the public register unless there is a request to withhold any of it. Any such request should provide a full justification stating why the information needs to be withheld (see note xiii).

1 SITE ADDRESS

1.1 Address or other sufficient description of land or premises to which this application applies.

Llangollen Pump Station (STW CSO)
Dee Mill Place
Llangollen

Post Code:

LL20 8SE

2 DETAILS OF DISCHARGE(S)

2.1 State the nature of the discharge(s) (see note i and ii) - tick one or more boxes as appropriate:

- Sewage Effluent – volume of 5 cubic metres per day or less
- Sewage Effluent – volume greater than 5 cubic metres per day (**complete annexe 1**)
- Sewage Effluent discharged under storm or emergency conditions (**complete annexe 2**)
- Cooling Water (**complete annexe 3**)
- Trade Effluent (*including site drainage*) (**complete annexe 3**)
- Others (*please specify*)

2.2 Please state the maximum quantity it is proposed to discharge in any one day

7009m³/d
(81.13l/s)

Briefly state how this figure was calculated (see note ii).

Maximum pump rate of 120l/s minus the flow passing to the works of 38.87l/s gives maximum discharge of 81.13l/s. See Technical Note-Hydraulic Performance RE-Li1457-03-0A

2.3 a) Indicate proposed means of discharge - tick as appropriate and show on plan: (for 1, 2 & 3 please state dimensions below)

- | | | | | | |
|------------|-------------------------------------|-------------|--------------------------|--|--------------------------|
| 1. Pipe | <input checked="" type="checkbox"/> | 4. Borehole | <input type="checkbox"/> | 7. Sub-Irrigation System | <input type="checkbox"/> |
| 2. Channel | <input type="checkbox"/> | 5. Well | <input type="checkbox"/> | 8. Combination of 6 & 7 | <input type="checkbox"/> |
| 3. Culvert | <input type="checkbox"/> | 6. Soakaway | <input type="checkbox"/> | 9. Other (<i>please specify below</i>) | <input type="checkbox"/> |

150 mm Diameter (or less)

b) National Grid Reference(s) of point(s) of discharge (see note iii).

S	J	2	1	8	4	7	4	2	0	1	4
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2.4 a) The Agency will normally require adequate provision for the taking of samples of the discharge in a safe and convenient manner at any time. Please indicate the means proposed (see note iv) - tick as appropriate and show on plan:

- At the outlet At a manhole or sampling chamber

Other (*please specify*) From the rear Storm Tank (Ref Drawing No.C812/9012)

b) National Grid Reference(s) of sampling point(s) (if different from 2.3 b) above).

S	J	2	1	8	4	2	4	2	0	5	3
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(please indicate on accompanying plans)

c) What flow measurement facilities will be provided (see note v)? Please give details.

Existing Magflowmeter at the pump discharge with telemetry link

2.5 a) Type of Treatment Plant(s) to be used (*please specify make and model*)- tick as appropriate:N/A

- Septic Tank Package Sewage Treatment Works Other

Storm settlement and 6mm screen

b) Will the treatment process involve the use of any chemicals (eg ferric salts, polyelectrolytes). If yes please give details.

Y/N

N/A

2.6 a) On what date do you anticipate the discharge will commence?

31/03/04

b) If you require the consent for a limited time period please give dates; from:

/ /

to:

/ /

c) If the discharge is not continuous please detail the period/circumstances when it will occur.

Storm events and emergency conditions

2.7 a) Are there any existing consents for discharges from the premises (see note vi)?

Y/N

If yes, please give the reference numbers (Any further information should be given in Section 5.3).

CM0005501

b) Has any person had a Prohibition Notice serviced on them in respect of this site?

Y/N

If yes, please give the reference number.

3 SITE DETAILS

3.1 Please give the name of the relevant Planning Authority.

Denbighshire County Council

3.2 Please give details of the premises - tick as appropriate:

- | | | | |
|---|--------------------------|----------------------------|-------------------------------------|
| 1. Single Dwelling | <input type="checkbox"/> | 6. Fish Farm | <input type="checkbox"/> |
| 2. Multiple Dwellings | <input type="checkbox"/> | 7. Mineral Workings | <input type="checkbox"/> |
| 3. Industrial Premises | <input type="checkbox"/> | 8. Water Services plc STW | <input checked="" type="checkbox"/> |
| 4. Vehicle Parking Area | <input type="checkbox"/> | 9. Water Supply | <input type="checkbox"/> |
| 5. Commercial Premises (please specify) | <input type="checkbox"/> | 10. Other (please specify) | <input type="checkbox"/> |

3.3 Please indicate source of the water supply - tick as appropriate:

- | | | | |
|--|-------------------------------------|---|--------------------------|
| 1. Well | <input type="checkbox"/> | 5. River (please give name below) | <input type="checkbox"/> |
| 2. Borehole | <input type="checkbox"/> | 6. Estuary (please give name below) | <input type="checkbox"/> |
| 3. Precipitation (eg rain or snow) | <input type="checkbox"/> | 7. Coastal Water (please give name below) | <input type="checkbox"/> |
| 4. Mains (please state water supply company) | <input checked="" type="checkbox"/> | | |

Dwr Cymru Welsh Water

4 DETAILS OF RECEIVING ENVIRONMENT

4.1 Receiving Medium - tick the category(s) to which the proposed discharge(s) is(are) to be made:

- | | | | |
|--|-------------------------------------|---------------------------------|--------------------------|
| 1. Estuarial Water (tidal river or stream) | <input type="checkbox"/> | 5. Into Land | <input type="checkbox"/> |
| 2. River or Stream (non-tidal) | <input checked="" type="checkbox"/> | 6. Onto Land | <input type="checkbox"/> |
| 3. Canal | <input type="checkbox"/> | 7. Directly into Groundwater | <input type="checkbox"/> |
| 4. Lake, Lock or Pond | <input type="checkbox"/> | 8. Coastal Water (see note vii) | <input type="checkbox"/> |

State name of receiving water if known:

River Dee

4.2 In the case of sub-irrigation systems, soakaways or boreholes:

- (a) Is any part of the system within 5 metres of the boundary of the premises? Y/N
- (b) Is any part of the system within 10 metres of a watercourse? Y/N
- (c) Is any part of the system within 50 metres of a borehole or spring? Y/N
- (d) For wells and boreholes state dimension(s) in metres N/A m
- (e) For sub-irrigation systems, soakaway pits, wells and boreholes, state maximum depth in metres.
N/A N/A m
- (f) For boreholes, state details of lining in metres:
- (i) Depth of lining N/A m
- (ii) Depth of perforated lining N/A m
- (iii) Depth of unperforated lining N/A m
- (g) A percolation test must be carried out in accordance with British Standard BS6297:1983.
Have the results been provided? Y/N

4.3 Is there a foul sewer available to which the discharge(s) could be made (see note viii)?

Y/N

If yes, please give the reasons it is not practical to connect to it (eg distance, flow etc).

N/A

5 DETAILS OF APPLICANT AND OTHER INFORMATION

5.1 (See general notes and note ix)

(a) Full name and postal address of applicant. This should be the person who will become the consent holder should consent be issued.

*Dwr Cymru Cyf

*Pentwyn Road

*Nelson

*Treharris

*Mid Glamorgan

*

Post Code: CF46 6LY

Daytime Telephone Number: 01443 452300

Company Registration Number (if appropriate): 2366777

(b) Agent (if any) - Full name and postal address.

*

*

*

*

*

*

Post Code:

Contact Name and Daytime Telephone Number:

5.2

Please give full name and address to which bills should be sent if different to that given above:

*

*as above

*

Post Code:

Daytime Telephone Number:

5.3 Are there any other factors to be taken into account? Please continue on a separate sheet if necessary.

Spilled flows pass to 177m³ storage tank before spilling to river. Intermittent discharges via a new 6mm storm screen to the river.

DECLARATION

I/We:

1. apply under the Water Resources Act 1991 (as amended by the Environment Act 1995) for consent to discharge, as described in this Application. "This Application" means this page, all the other pages of this form and any attached annexes, the attached plan(s), any other sheets attached, and any other written information supplied to support the application.
2. enclose the required application fee, payable to the Environmental Agency (see note x).
3. enclose 3 copies of the plan(s) and location maps with all relevant information clearly marked (see note xi).
4. will pay required advertising costs (see note xii).
5. confirm that I/we* will notify the Environment Agency of any changes in the information in this application which might be material to the continuation of the consent.
6. confirm that the information given in this application and any questions which the Environment Agency may have about it is/will* be true to the best of my/our* knowledge, information and belief and am/are* not aware of any other facts or information which might affect the granting of a consent, or conditions which might be put on it (see note xiii).
7. confirm that I/we* will pay any annual charges due should a consent be granted YES/NO*. If no please indicate who will be completing section 5.2 above (see note xiv).

(* Delete as appropriate)

SIGNED:	<i>J.P. Edwards</i>	PRINT NAME:	<i>J.P. Edwards</i>
ON BEHALF OF:DWR CYMRU CYF.....		DATED: <i>14/11/03</i>

CONFIDENTIALITY

I/we apply for commercial confidentiality and enclose a full written justification (see note xv).

SIGNED:	DATED:
---------------	--------------

PLEASE RETURN THIS FORM TO THE ADDRESS GIVEN ON THE FRONT PAGE



ANNEXE 2 SEWAGE EFFLUENT DISCHARGED IN STORM OR EMERGENCY CONDITIONS

Please complete this annexe if you are proposing to make a discharge of sewage in emergency or storm conditions (if the effluent is to contain a trade component Annex 3 should also be completed).

Official Use Only
Application No.

1. Site Name.

Llangollen Pump Station (STW CSO)
Dee Mill Place
Llangollen

2. State the type of discharge - tick as appropriate:

Storm tanks

Combined Sewer Overflow from sewerage system

Combined Sewer Overflow from pumping station

Emergency overflow from sewerage system

Emergency overflow from pumping station

Other (*please specify*)

3. For effluents discharging from sewage treatment works, is the storm/emergency effluent discharged via the same outlet as the treated effluent?

N/A

If no please give:

a) the National Grid Reference of the treated effluent outlet.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

b) the consent or application number covering the treated effluent discharge

N/A

~~If yes please give the National Grid Reference of the storm/emergency sampling point (see notes)~~

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

4. For effluents discharging from combined sewer overflows, is the discharge via a dedicated pipe?

Y/N

If no please give the National Grid Reference of the overflow into the sewer.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

5. Overflow settings

- | | |
|--|---------------|
| a) Overflow setting to storm tanks | 38.87l/s(FFT) |
| b) Maximum flow to storm tanks | 81.83/s |
| c) Overflow setting to storm sewage overflow | N/A/s |
| d) Maximum flow to storm sewage overflow | N/A/s |

6. Storage capacity

- | | |
|--|--------------------|
| a) Volume of Storm tanks | 177m ³ |
| b) Retention time of storm tanks at maximum flow | 36minutes |
| c) Storage capacity of sewer/wet well | N/A m ³ |

7. Please provide full details of the design criteria that have been used to support this application.

Maximum flow to Pumping Station=120l/s.Flow to WwTW is 38.87l/s so 81.13l/s max flow to storm.
Spills here have been subjected to Spirit analysis because there is less than 2hour storm tank retention

8. Will facilities be provided to raise alarms (eg telemetry)?

Y/N

If yes, please give details.

Pump failure alarm

9. Will facilities be provided to prevent the discharge of gross solids?

Y/N

If yes, please give details (for screens give bar spacing or aperture).

New 6mm screen

10. What provisions will be made to deal with:

a) power failure (eg standby generators)?

None at the pump station

b) mechanical breakdown (eg standby pumps)?

Duty/Assist pumps to deliver 38l/s

c) rising main failure?

N/A

d) tanker access?

N/A

Notes (see also the notes on the main form):

Full details of the design criteria must be provided in order for the application to be determined. If you have any queries about what information is required please contact the person given in notes attached to the main form.



ASiantaeth Yr
Amgylchedd
Environment
Agency

ANNEXE 4
WELSH REGION SUPPLEMENTARY INFORMATION ANNEXE

Please complete this annexe for every proposed discharge.

Official Use Only
Application No.

For all proposed discharges:

1. Site Name.

Llangollen Pump Station (STW CSO)
Dee Mill Place
Llangollen

2. Is this application being made to reinstate a lapsed Consent?

Y/N

If so, please state the Number of the lapsed Consent:

IMPORTANT: If you are in need of advice on either part of Question 2, please contact the Agency Regional Consents Section on 01222 770088.

3. If the proposed discharge is to be made down a pipe, channel or culvert (as given in Section 2.3 of the main application form), please state the diameter (including units):

150 mm diameter

4. Please indicate the anticipated cost of the proposed scheme, including any alternatives which may have been considered:

Total scheme cost £500,000 (circa)

5. Is there any trade effluent component in the proposed discharge?

Y/N

If yes, please confirm here that you have completed and enclosed Annexe 3:

Tick

6. Will the proposed discharge be pumped or made under gravity? (please circle) Pumped / Gravity

If pumped, please state the maximum pump rate in l/sec:

For proposed discharges of sewage in storm or emergency conditions:

7. Please confirm here that you have completed and enclosed both Annexes 1 and 2: Tick N/A

8. Please state: (Basis of Design)

Population served (head)	3525 Resident, 3802 Day visitors, 200 B&B
Consumption (l/head/day) default	180l/h/d Resident, 25l/h/d, Day visitors, 120l/h/d B&B
Infiltration (m ³ /day)	1080
Industrial effluent flow (m ³ /day)	0
Dry Weather Flow (m ³ /day)	1832
SOC 'A' (l/sec)	87.2
Predicted spill frequency (per annum)	64 spills in a typical year as modelled (Options Report RE-Li332-03-0A) Max spill volume (individual event) 1,011m ³ - Peak spill rate =62l/s. Total annual spill volume=14,469m ³ Future annual spill duration 1.08

IMPORTANT NOTES FOR ALL CONSENT APPLICATIONS:

1. **Whoever signs the declaration on the main application form takes responsibility for the discharge, and will become the registered consent holder, if consent is given. In the case of a 'body corporate' (eg a public limited company ('plc'), limited, company, local authority), the 'body corporate' will be the registered consent holder, and the person with the delegated authority to sign on behalf of the 'body corporate' should give their job title.**
2. **Agents making an application on behalf of a client, must attach their clients written authority.**
3. **If the name and/or address of the applicant changes after submission of this application to the Environment Agency, the applicant must inform the Agency in writing.**

Ein cyf/Our ref. WP/RP/ CM005501

Dyddiad/Date: 14th November 2003



ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Dwr Cymru cyf
Pentwyn Road
Nelson, Treharris
Mid Glamorgan CF46 6LY

COPY

Dear Sir/Madam

**WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995), APPLICATION FOR CONSENT TO DISCHARGE SEWAGE EFFLUENT DISCHARGED UNDER STORM/EMERGENCY CONDITIONS BY DWR CYMRU CYF FROM LLANGOLLEN PUMP STATION (STW CSO), DEE MILL PLACE, LLANGOLLEN, LL20 8SE
APPLICATION NO: CM005501**

Initial consideration has been given to the application and we find that we cannot proceed with the application until further information is provided. The attached notice gives details of the information required to enable us to proceed, and the timescale for providing us with the information.

If we do not hear from you by 28 days from this notice we may refuse to proceed with the application. If you need more time to collect the information please let us know before this date.

Legislation allows 4 months, from the date the application is complete, to determine your application. This 4-month period will not start until you have provided this information asked for.

When the full information is received, the Agency is required to advertise the application unless it considers that the proposed discharge is **unlikely to have** any appreciable effect on the receiving watercourse. This would involve placing a notice in local newspaper(s) and in the London Gazette at your expense. I will contact you again should advertising be required.

Details of your application for consent are placed on a public register, kept by the Agency and open for inspection by the public.

Yours sincerely

Kelvin Graham
Team Leader Customer Contact and Authorisations

Please ask for Ext. 4502

Asiantaeth yr Amgylchedd Cymru
Ffordd Caer, Bwcle, Sir y Fflint CH7 3AJ
Ffôn 01244 550124 Ffacs 01244 550144

Environment Agency Wales
Chester Road, Buckley, Flintshire CH7 3AJ
Tel 01244 550124 Fax 01244 550144



Application No. CM005501



ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

ENVIRONMENT AGENCY

WELSH REGION

WATER RESOURCES ACT 1991 - SCHEDULE 10
(as amended by the Environment Act 1995)

NOTICE REQUIRING FURTHER INFORMATION TO SUPPORT APPLICATION FOR DISCHARGE CONSENT

To: Dwr Cymru cyf, Pentwyn Road, Nelson, Treharris, Mid Glamorgan CF46 6LY

Application For Consent to discharge Llangollen Pump Station (STW CSO)
Dee Mill Place
Llangollen
LL20 8SE

In pursuance of its powers under paragraph 1(4) of Schedule 10 to the Water Resources Act 1991 the **Agency** gives you **NOTICE** that further information, as detailed in the attached Schedule, is required for the purpose of determining the above application for Consent and should be provided to the **Agency** at the following address within the period of (28 days) from the date of this notice.

Address to which information should be sent:

Miss Ruth Prichard
Environment Agency Wales
Chester Road
Buckley Flintshire CH7 3AJ

Signed:

Date: 17-11-03

NOTES

- 1 If you fail to provide the information required by this notice within the period specified above, we will refuse to proceed with your application
- 2 You may apply to the Agency for this notice and any of the information provided in response to be excluded from the Public Register on the grounds that it is commercially confidential. Please include any application for confidentiality and associated reasons with your response to this notice
- 3 If it appears to you that it would be contrary to the interests of national security for any information provided in response to this notice to be entered on the Public Register, you may give notice to that effect to the Secretary of State DEFRA/National Assembly for Wales. Please include a copy of any notice given to the Secretary DEFRA/National Assembly for Wales with your response to this notice.
- 4 Subject to any decision that the information provided in response to this notice is commercially confidential or would affect national security, it will be placed on the Public Register.

The Schedule is attached.

Asiantaeth yr Amgylchedd Cymru
Ffordd Caer, Bwcle, Sir y Fflint CH7 3AJ
Ffôn 01244 550124 Ffacs 01244 550144

Environment Agency Wales
Chester Road, Buckley, Flintshire CH7 3AJ
Tel 01244 550124 Fax 01244 550144





Application No.	CM005501
Date issued	14 th November 2003

SCHEDULE OF FURTHER INFORMATION REQUIRED

Could you please supply the following information:

1. The application for variation was not signed. Can you please provide a signed application form.
2. The consent number given was CM005501. EA consent numbers are a standard 2 letters and 7 digits. Can you please clarify the correct consent number.
3. Can you confirm the volume of the storm tanks. Q 5.3 in the main application states that it is 175 m³, whereas Annex 2 Q 6(a) states that it is 177 m³.

In Q 2.2 you reference a report – Options report RE-Li1457-03-0A. The Options report that we have is number RE-Li1332-03-0A. Can you please confirm which report you are referring to.



Water Resources Act 1991
as amended by the Environment Act 1995
Consent to Discharge
Certificate of Holder



**ENVIRONMENT
AGENCY**

Part A

To: DWR CYMRU CYFYNGEDIG
CONSENTS REGULATION OFFICER
PLAS-Y-FFYNNON
CAMBRIAN WAY
BRECON LD3 7HP

The **Environment Agency** ("the Agency") hereby confirm that the above named person is a/the registered holder of consent CM0005501

Nature of Discharge(s); SEWAGE EFF/STORM EFF/RAINFALL
at
LLANGOLLEN CHURCH STREET - SSO

Note: This certificate should be kept with the consent document for future reference. If you transfer responsibility for the discharge to somebody else you must pass the consent to them and tell the Agency within 21 days. **Responsibility for the consent cannot be disclaimed by the holder but the registration of holder may be transferred to a successor.** To do this please complete the form below, then tear it off and return it to the address shown. If you fail to transfer the consent, even though you are no longer on the site, you may still be liable for prosecution for pollution. If you transfer the consent but do not tell us, you will be committing an offence. In case of any queries please contact your local Environment Agency office.

Part B Please complete in block capitals or type.

To:

Water Resources Act 1991: Notice of transfer of consent to discharge

Consent:

Name:
Address:

I/We* hereby serve notice on the Agency that I/we* am/are* no longer a/the* Holder of the above consent which will be/was* transferred to:

* delete as appropriate

Name(s) of new holder(s):

Address:

Post Code:

Date of Transfer to new Holder(s);

Signed:..... **Dated:**.....

Name (block capitals):..... **Position:**.....

(to be completed when signing
on behalf of corporate bodies)



REGISTER OF CONDITIONS

AND OTHER TERMS

IMPOSED UNDER SECTION 7 OF THE RIVERS (PREVENTION OF POLLUTION) ACT, 1951
(AS APPLIED BY THE CLEAN RIVERS (ESTUARIES AND TIDAL WATERS) ACT, 1960)
AND THE RIVERS (PREVENTION OF POLLUTION) ACT, 1961.

No. 55 (AMENDED)

CAT. No. R.B.12 SHAW & SONS LTD., FETTER LANE, E.C.4.

DATE ON WHICH CONDITION CAME INTO FORCE AND PERIOD OF EFFECT	FULL ADDRESS OR OTHER SUFFICIENT DESCRIPTION OF LAND OR PREMISES TO WHICH THE TERM OR CONDITION RELATES
20th December, 1963.	Pumping Station and Stormwater Tanks - sewerage system of Llangollen Urban District Council.
USE OF NEW OR ALTERED OUTLET	DISCHARGE OF TRADE OR SEWAGE EFFLUENT
<p>CONDITIONS IMPOSED WITH RESPECT TO:-</p> <p>(i) PRECISE LOCATION OF OUTLET</p> <p>Discharge to River Dee - Left bank. (Enclosure 462, Denbighshire C.S. Sheet XXXIV.15).</p> <p>(ii) CONSTRUCTION OF OUTLET (OTHER THAN CONDITIONS TO BE SATISFIED BEFORE OUTLET IS BROUGHT INTO USE)</p> <p style="text-align: center;">-</p> <p>(iii) USE OF OUTLET</p> <p>Discharge of stormwater.</p> <p>(iv) USE OF ANY OTHER OUTLET FOR TRADE OR SEWAGE EFFLUENT FROM THE SAME LAND OR PREMISES</p> <p style="text-align: center;">-</p> <p>REMARKS-</p>	<p>CONDITIONS IMPOSED WITH RESPECT TO:-</p> <p>(i) NATURE AND COMPOSITION OF DISCHARGE Discharge of stormwater.</p> <p>(a) The storm water discharged shall be only that in excess of 3x Dry Weather Flow; flows up to this figure are to receive full treatment at the Sewage Disposal Works.</p> <p>(b) All storm water shall receive sedimentation before discharge to the river.</p> <p>(c) <u>The storm sewage discharged to the river shall contain not more than 150 p.p.m. Suspended Solids, by weight, dried at 105°C.</u></p> <p>(ii) TEMPERATURE OF DISCHARGE</p> <p style="text-align: center;">-</p> <p>(iii) VOLUME OR RATE OF DISCHARGE OF EFFLUENT FROM LAND OR PREMISES</p> <p style="text-align: center;">-</p> <p>* (iv) PROVISION OF FACILITIES FOR TAKING SAMPLES</p> <p style="text-align: center;">-</p> <p>(v) DATE OF EXPIRATION OF PERIOD SPECIFIED UNDER S-5(2) OF 1961 ACT</p> <p style="text-align: right;">1st January, 1966.</p> <p>REMARKS-</p>

REGISTER OF CONDITIONS
 IMPOSED UNDER SECTION 7 OF THE RIVERS (PREVENTION OF POLLUTION) ACT, 1951.

55.
 SEC AMENDMENT

CAT. No. R.B.12 SHAW & SONS LTD., FETTER LANE, E.C.4. V7/1

DATE ON WHICH CONDITIONS CAME INTO FORCE	FULL ADDRESS OR OTHER SUFFICIENT DESCRIPTION OF LAND OR PREMISES TO WHICH THE CONDITIONS RELATE
January 10th 1958.	Pumping Station and Stormwater Tanks - sewerage system of Llangollen Urban District Council.
USE OF NEW OR ALTERED OUTLET	NEW DISCHARGE
<p>CONDITIONS IMPOSED WITH RESPECT TO:-</p> <p>(i) PRECISE LOCATION OF OUTLET Discharge to River Dee - Left bank. (Enclosure 462, Denbighshire O.S. Sheet XXXIV.15).</p> <p>(ii) CONSTRUCTION OF OUTLET (OTHER THAN CONDITIONS TO BE SATISFIED BEFORE OUTLET IS BROUGHT INTO USE)</p> <p style="text-align: center;">Nil.</p> <p>(iii) USE OF OUTLET</p> <p style="text-align: center;">Discharge of stormwater.</p> <p>(iv) USE OF ANY OTHER OUTLET FOR TRADE OR SEWAGE EFFLUENT FROM THE SAME LAND OR PREMISES</p> <p style="text-align: center;">Nil.</p>	<p>CONDITIONS IMPOSED WITH RESPECT TO:-</p> <p>(i) NATURE AND COMPOSITION OF DISCHARGE Discharge of storm- water. (a) The stormwater discharged shall be only that in excess of 3 X Dry Weather Flow; flows up to this figure are to receive full treatment at the Sewage Disposal Works. (b) All stormwater shall receive sedimentation before discharge to the river. (ii) TEMPERATURE OF DISCHARGE</p> <p style="text-align: center;">Nil.</p> <p>(iii) VOLUME OR RATE OF DISCHARGE OF EFFLUENT FROM LAND OR PREMISES</p> <p style="text-align: center;">Nil.</p> <p>REMARKS:-</p>

COPY

<p>11. Conclusion: Is the proposal likely to have a significant effect 'alone or in combination' on a European site? (justification – attach any relevant supporting information)</p>	<p>No – as this is an existing consent that will be improved under the AMP Scheme.</p> <p>The discharge of 3359m³/day will be treated by the use of biological filters and stored by the use of primary settlement tanks, humus settlement tanks and sludge storage.</p> <p>Modelling work undertaken for storm and emergency conditions by the Agency has indicated that spills will last less than 1.08 % of the time and will not have any impact on water quality in the area.</p> <p>New 6mm screens are proposed for the outfall to further improve the effluent quality and minimise the aesthetic impact of any discharge.</p> <p>The discharge is not likely to have a significant effect on the Habitats site in question.</p>	
<p>12. Name of EA Officer:</p>	<p>Charlotte Lloyd (Ext 4565)</p>	<p>Date:04/12/03</p>
<p>13. EN/CCW comment on assessment:</p>	<p>CCW agree with the EA's assessment that as this is an existing scheme being improved under the AMP scheme it is unlikely to have a significant effect upon the River Dee and Bala Lake cSAC.</p>	
<p>14. Name of EN/CCW Officer:</p>	<p>Rh. Williams</p>	<p>Date: 14/1/04</p>
<p>IF THE PROPOSAL IS LIKELY TO HAVE A SIGNIFICANT EFFECT AN APPROPRIATE ASSESSMENT WILL BE REQUIRED (see part B for suggested scope).</p>		

Application No : CM0005401