

CONSENT NO. AN0378401



ASiantaeth Yr
Amgylchedd Cymru
ENVIRONMENT
AGENCY WALES

WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

(AS AMENDED BY THE ENVIRONMENT ACT 1995)

CONSENT TO DISCHARGE

TO: Environment Quality Scientist
Dŵr Cymru Cyfyngedig
Pentwyn Road
Nelson
Treharris
CF46 6LY

The ENVIRONMENT AGENCY ("The Agency") in pursuance of its powers under the Water Resources Act 1991 **HEREBY CONSENTS** to the making of a discharge **OF SEWAGE EFFLUENT**, as follows:

Storm Sewage

Sewage in an Emergency

FROM: A Sewage Pumping Station

AT: Malpas Park/ Rowan Way PS, Malpas, Newport

TO: The Pillmawr Creek, tributary of the River Usk

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

Storm Sewage: Schedule No. AN037840101

Sewage in an Emergency: Schedule No. AN037840102

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 is issued.

This consent is issued and takes effect on the 15 day of March 2005

Signed
Team Leader - Regulatory Water Quality



CONSENT NO.	AN0378401
SCHEDULE NO.	AN037840101
DATE ISSUED	15 th March 2005



ASiantaeth Yr
Amgylchedd Cymru
ENVIRONMENT
AGENCY WALES

CONDITIONS OF CONSENT TO DISCHARGE

Storm Sewage ("the Discharge")

FROM: Malpas Park/ Rowan Way PS, Malpas, Newport

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 300mm diameter pipe;
 - (b) discharging to the Pillmawr Creek, tributary of the River Usk;
 - (c) at National Grid Reference ST 31144 90981;
 - (d) shown marked 'Consent Point' on Plan AN0378401 attached as Annex 1.

SAMPLE POINT

3. A sample point shall be provided and maintained at National Grid Reference ST 30826 90926, as shown marked 'Sample Point' on Plan AN0378401, 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.



CONSENT NO.	AN0378401
SCHEDULE NO.	AN037840101



**ASiantaeth Yr
Amgylchedd Cymru
Environment
Agency Wales**

VOLUME

4. (a) The Discharge shall occur when, and only for as long as, the storm sewage facility is fully utilised and the rate of flow at the storm overflow chamber is in excess of 77 litres per second due to rainfall and/or snow melt. 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.
- (b) A storm sewage facility of at least 23 cubic metres design capacity shall be provided and fully utilised prior to discharge being made.

COMPOSITION

5. (a) The Discharge shall have passed, without prior comminution or maceration, through a screening device having apertures no greater than 6 millimetres 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

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

START DATE

7. There shall be no discharge under the terms of this consent until the 31st March 2005 or the start of commissioning of the combined sewage overflow whichever is the sooner.



CONSENT NO.	AN0378401
SCHEDULE NO.	AN037840102
DATE ISSUED	15 th March 2005



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ENVIRONMENT
AGENCY WALES

CONDITIONS OF CONSENT TO DISCHARGE

Sewage in an Emergency ("the Discharge")

FROM: Malpas Park/ Rowan Way PS, Malpas, Newport

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 300mm diameter pipe;
 - (b) discharging to the Pillmawr Creek, tributary of the River Usk;
 - (c) at National Grid Reference ST 31144 90981;
 - (d) shown marked 'Consent Point' on Plan AN0378401 attached as Annex 1.



CONSENT NO.	AN0378401
SCHEDULE NO.	AN037840101



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SAMPLE POINT

4. A sample point shall be provided and maintained at National Grid Reference ST 30826 90926, as shown marked 'Sample Point' on Plan AN0378401, 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

5. Storage capacity, equivalent to a total of at least 23 cubic metres, shall be provided in the pumping station, above the wet well design top water level.

COMPOSITION

6.
 - (a) The Discharge shall have passed, without prior comminution or maceration, through a screening device having apertures no greater than 6 millimetres 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.

TELEMETRY

7.
 - (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 warning of failure or breakdown of the pumping station.



CONSENT NO.	AN0378401
SCHEDULE NO.	AN037840102



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RECORDING AND REPORTING

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

OTHER

9. A permanent stand-by power generator shall be provided and maintained in good working order.
10. A tanker access facility at an appropriate location shall be provided and maintained to enable removal of sewage by tanker when necessary.

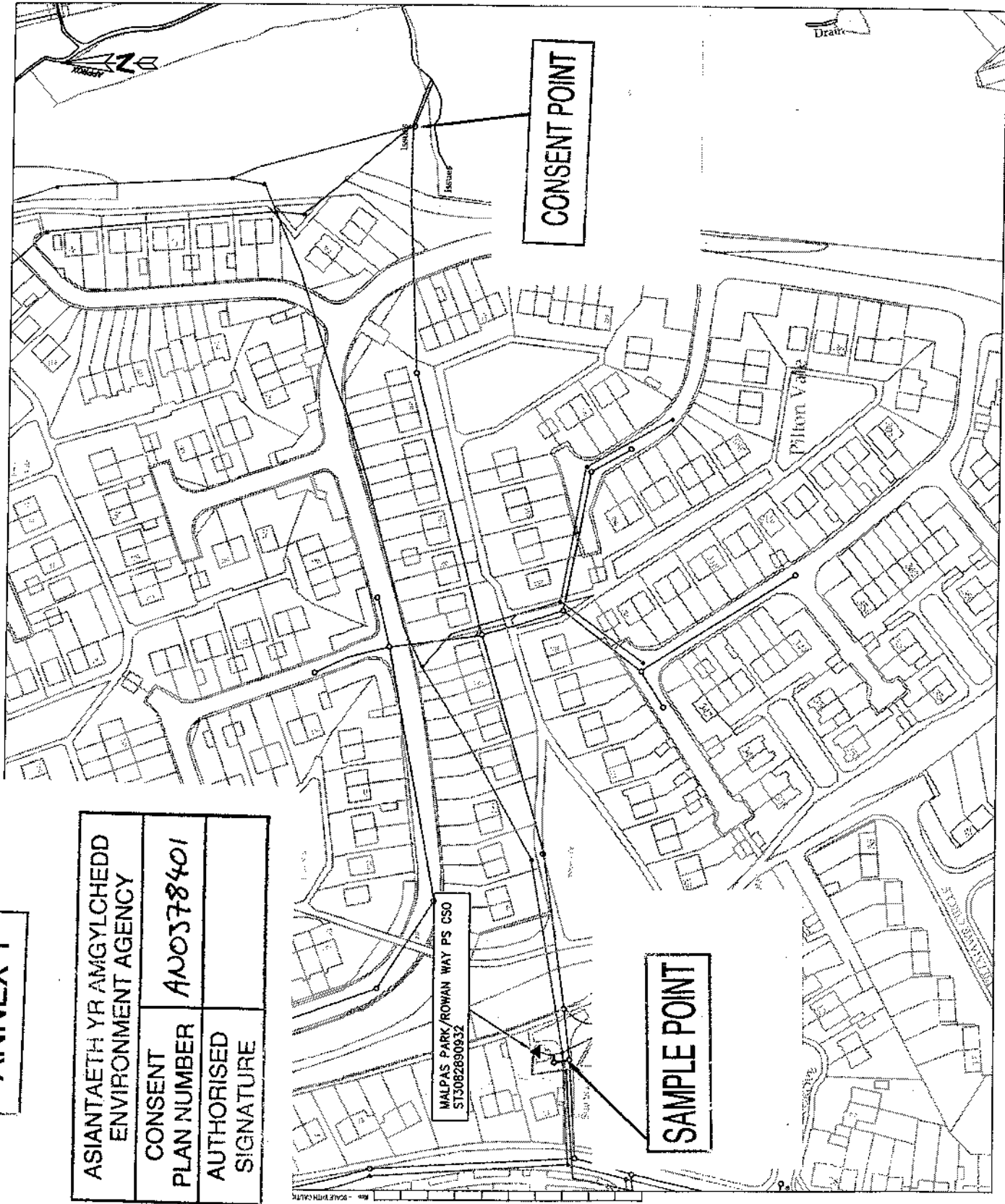
START DATE

11. There shall be no discharge under the terms of this consent until the 31st March 2005 or the start of commissioning of the combined sewage overflow whichever is the sooner.



ANNEX 1

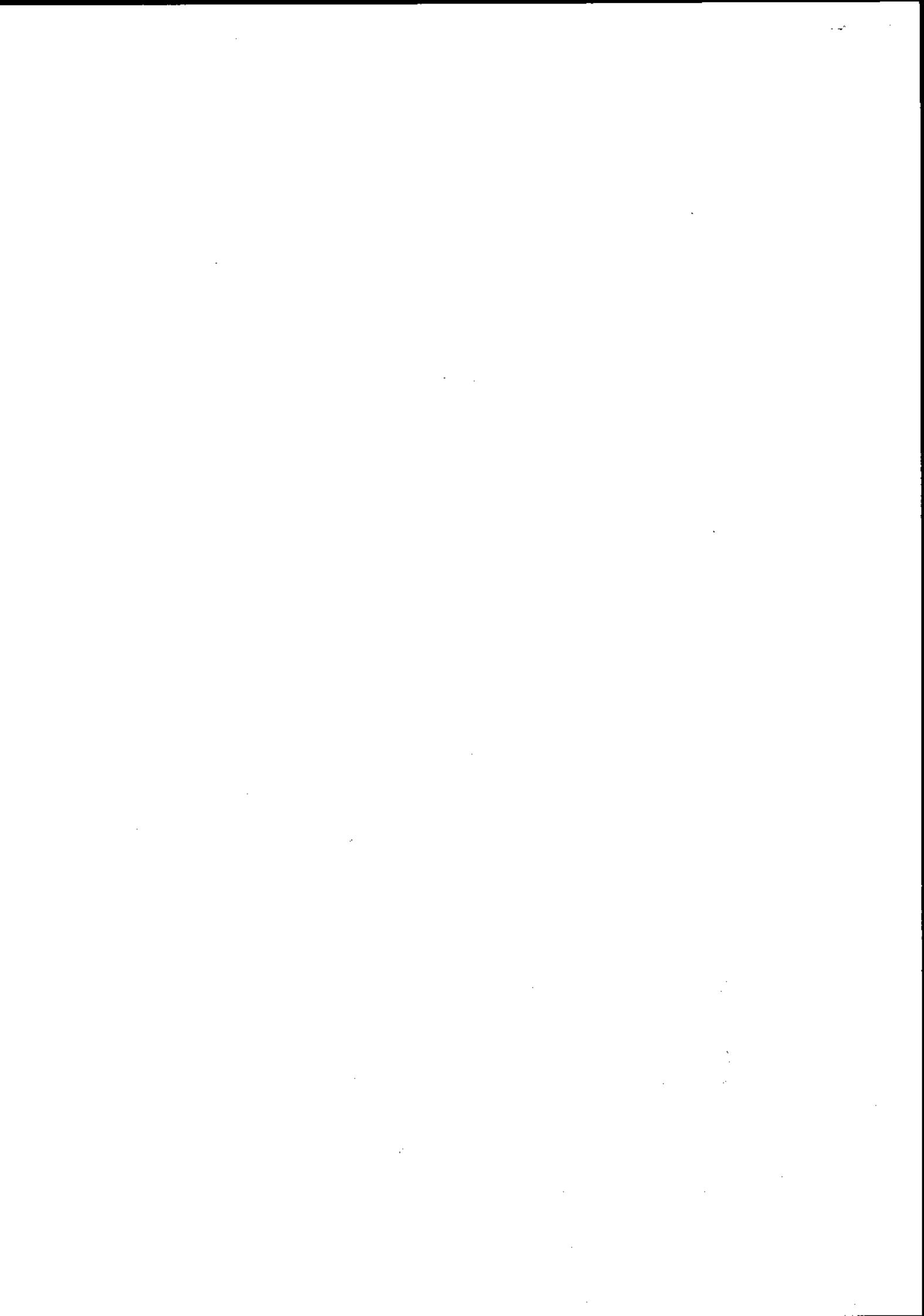
ASiantaeth Yr Amgylchedd Environment Agency	
CONSENT PLAN NUMBER	A00378401
AUTHORISED SIGNATURE	



LEGEND			
—	FOUL SEWER SYSTEM		
—	SURFACE WATER SEWER SYSTEM		
—	ABANDONED SEWER SYSTEM		
—	NEW SEWER SYSTEM		
Rev	Date	By	Description
			Drainage Status
REPORT			

Welsh Water Capital Alliance	Cynghrair Cyfalaf Dŵr Cymru	W
amco	WELSH WATER	
NEWPORT CATCHMENTS - MALPAS		

Drawing No. MALPAS PARK/ROWAN WAY PS CSO LOCATION PLAN	
FABER MAUNSELL	
Mermaid Quay Cardiff CF10 3JY T +44(0)2920 354100 F +44(0)2920 354199 www.fabermaunsell.com	
Client Ref.	350461XW
Scale	NIS
Drawn	CHE
Approved	CHE
Date	16.08.04
AMCC Scheme No.	W03
DC	DC06



Eich cyf/Your ref.

Ein cyf/Our ref. ACSC/CUST/SE/MS/AN0378401

Dyddiad/Date: 18 March 2005

Dwr Cymru
Pentwyn Road
Nelson
Treharris
Caerphilly
CF46 6YA



ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

8/2



Dear Dr. Keil

**WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995) APPLICATION FOR CONSENT TO DISCHARGE SEWAGE EFFLUENT IN STORM/EMERGENCY CONDITIONS BY DWR CYMRU FROM MALPAS PARK/ROWAN WAY PS, MALPAS, NEWPORT.
APPLICATION NO: AN0378401**

Further to your application the Agency has decided that consent should be given subject to conditions. I enclose the Agency's formal consent to discharge sewage effluent at Malpas Park/Rowan Way PS, Malpas, Newport.

Under the present Scheme of Charges for Discharges to Controlled Waters an annual charge will be made for all consents to discharge, except where the discharge is of sewage effluent of five cubic metres or less per day. The charge is based on information derived from the conditions attached to the consent to discharge, as outlined in the enclosed leaflet.

If you consider that the conditions imposed by the consent are unreasonable you have a right of appeal to the Secretary of State for the Environment at National Assembly for Wales at Cathays Park, Cardiff CF10 3NQ.

Notice of an appeal must be given in writing within three months of this notification and must be accompanied by a statement of the grounds of appeal.

If granted, a consent under Schedule 10 of the Act, covers water quality considerations only. It does not alter the need to obtain any other consents or approvals which might be required in connection with your proposal under other legislation. For example it does not give any right or permission to discharge where land is not owned by the applicant.

Asiantaeth yr Amgylchedd Cymru
Plas Yr Afon, Parc Busnes Llaneirwg, Llaneirwg, Caerdydd, CF3 0EY
Ffon: 029 20770088 Ffacs: 029 20798555
www.environment-agency.gov.uk

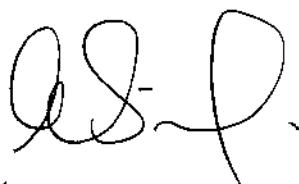
Environment Agency Wales
Rivers House, St Mellons Business Park, St Mellons, Cardiff, CF3 0EY
Tel: 029 20770088 Fax: 029 20798555
www.environment-agency.gov.uk



Please take careful note that if the holder of the consent changes, you must inform the Agency IN WRITING as soon as possible of the name of the new holder. This is to ensure that the rights and charges associated with the Consent are transferred to the new holder. A Certificate of Holder notice will be sent to you shortly which is designed for this purpose, and should be kept safely with the Consent until required.

If you have any queries regarding the enforcement of this consent, please do not hesitate to contact Dai Walters, Team Leader Environment Management, Environment Agency Wales.

Yours sincerely

A handwritten signature in black ink, appearing to read 'G. Inight', with a stylized flourish at the end.

GARY INIGHT
External Relations Team Leader

Enc.

P/R.




ASiantaeth YR
AMGYLCHEDD
ENVIRONMENT
AGENCY

WATER RESOURCES ACT 1991 (schedule 10)

(as amended by the Environment Act 1995)

Application for new consent to discharge

Regional/Area Address: The Regional Finance Manager Environment Agency Welsh Region PO Box 425 St Mellons Business Park CARDIFF CF3 0LT	<i>Official Use Only</i> Dist/Area Ref: 1303 Application No. AN0378401 Date Received: 15/11/04 Fee Received: 
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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.

Malpas Park / Rowan Way PS, Malpas, Newport

Post Code:

N/A

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

N/A

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

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

☒

4. Borehole

☐

7. Sub-Irrigation System

☐

2. Channel

☐

5. Well

☐

8. Combination of 6 & 7

☐

3. Culvert

☐

6. Soakaway

☐

9. Other (*please specify below*)

☐

300mm

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

S	T	3	0	8	2	6	9	0	9	2	6	Pt 1 to adjacent surface water sewers
---	---	---	---	---	---	---	---	---	---	---	---	---------------------------------------

S	T	3	1	1	4	4	9	0	9	8	1	Pt 2 to receiving watercourse
---	---	---	---	---	---	---	---	---	---	---	---	-------------------------------

(please indicate on accompanying plans)

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

☒

Other (*please specify*)

At Pt 1

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

(please indicate on accompanying plans)

- c) What flow measurement facilities will be provided (see note v)?

Please give details.

None

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

Septic Tank ☐ Package Sewage Treatment Works ☐ Other ☒

Static screening to 6mm solids separation

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

N

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

Estimated

29/10/04

No later than

31/03/05

- 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.

Under storm and emergency conditions

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

N

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

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

N

If yes, please give the reference number.

3 SITE DETAILS

- 3.1 Please give the name of the relevant Planning Authority.

Newport City 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 type="checkbox"/> |
| 4. Vehicle Parking Area | <input type="checkbox"/> | 9. Water Supply | <input type="checkbox"/> |
| 5. Commercial Premises (<i>please specify</i>) | <input type="checkbox"/> | 10. Other (<i>please specify</i>) | <input checked="" type="checkbox"/> |

Combined Sewer Overflow

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

- | | | | |
|--|--------------------------|---|--------------------------|
| 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 type="checkbox"/> | <div style="border: 1px solid black; height: 40px; width: 100%;"></div> | |

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:

Pillmawr Creek, Tributary of the River Usk

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

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

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

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:

Company Registration Number (if appropriate): 236677

(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:

*

*

*

*

*

*

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.

The existing CSO is currently consented as an emergency overflow for the pumping station.

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: <u>[Signature]</u>		PRINT NAME: <u>LEWIS KEN</u>	
ON	BEHALF	OF: <u>JWR CYMRU CWF</u>	DATED: <u>12/11/04</u>

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



ASIAN TAETH YR
AMGYLCHEDD
ENVIRONMENT
AGENCY

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 Annexe 3 should also be completed).

Official Use Only
Application No.

1. Site Name.

Malpas Park / Rowan Way PS, Malpas, Newport

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.

[illegible]

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

[illegible]

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

[illegible]

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

N

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

S	T	3	0	8	2	6	9	0	9	2	6
---	---	---	---	---	---	---	---	---	---	---	---

5. Overflow settings

- | | |
|--|--------|
| a) Overflow setting to storm tanks | N/a |
| b) Maximum flow to storm tanks | N/a |
| c) Overflow setting to storm sewage overflow | 77 l/s |
| d) Maximum flow to storm sewage overflow | N/a |

6. Storage capacity

- | | |
|--|------------------|
| a) Volume of Storm tanks | N/a |
| b) Retention time of storage at 3PG + I + 3E | 11 minutes |
| c) Storage capacity of sewer/wet well | 23m ³ |

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

See attached Malpas Park / Rowan Way PS Summary Sheet.

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

N

If yes, please give details.

N/a

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

Y

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

6mm Hydrok static screen

10. What provisions will be made to deal with:

- a) power failure (eg standby generators)?

Standby generator to be provided

- b) mechanical breakdown (eg standby pumps)?

N/a

- c) rising main failure?

None

- d) tanker access?

Existing access road to PS site

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.



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.

Malpas Park / Rowan Way PS, Malpas, Newport

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

N

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

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):

300mm pipe

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

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

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) Gravity

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

For proposed discharges of sewer in storm or emergency conditions:

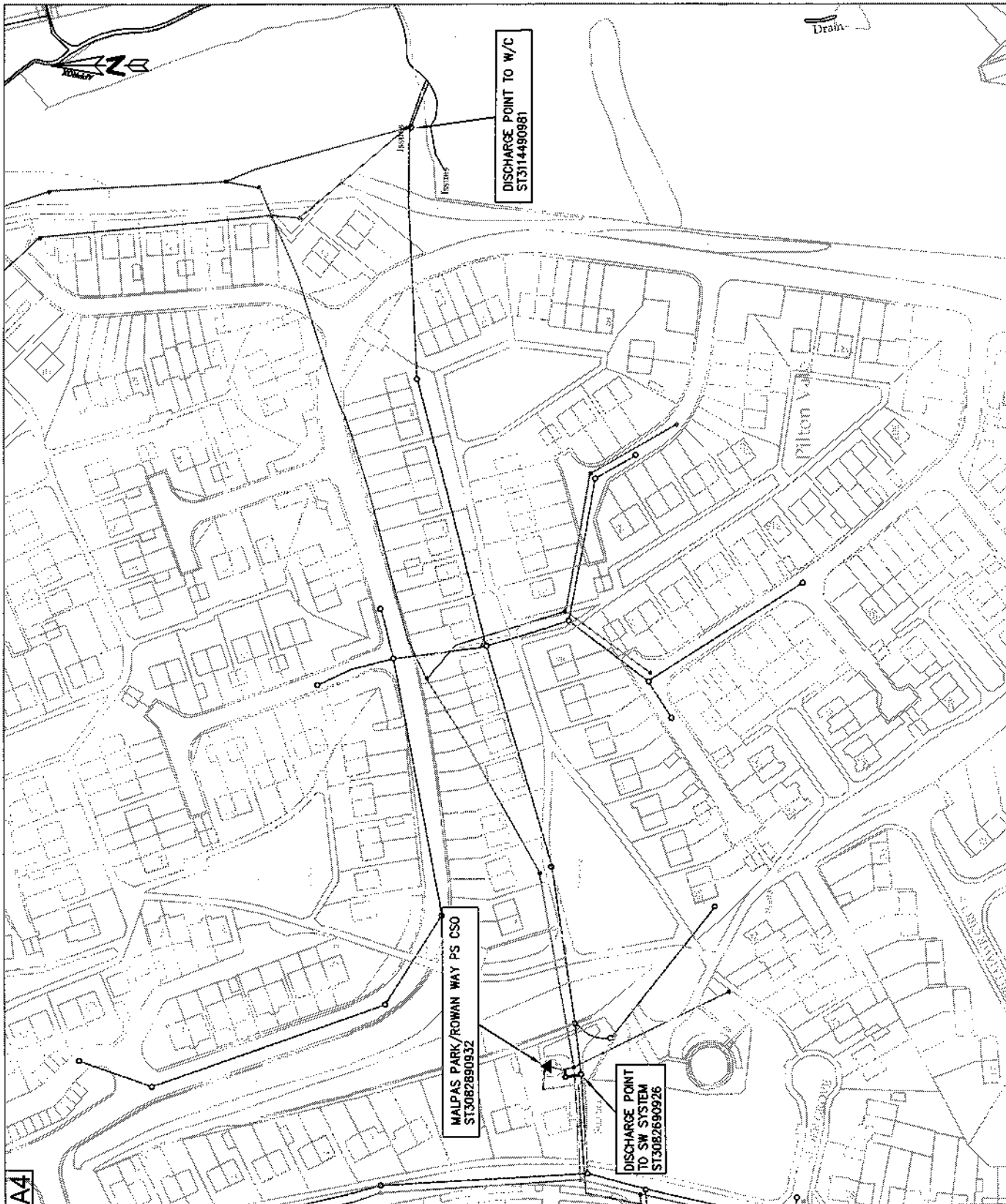
7. Please confirm here that you have completed and enclosed both Annexes 1 and 2:
Annex 2 only Tick
✓

8. Please state:

Population served (head)	3,640
Consumption (l/head/day) default = 180	180
Infiltration (m ³ /day)	1078
Industrial effluent flow (m ³ /day)	0
Dry Weather Flow (m ³ /day)	1733
Soc A (l/sec)	77.36
Predicted spill frequency (per annum)	12 spills per annum

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.**



LEGEND

- FOUL SEWER SYSTEM
- SURFACE WATER SEWER SYSTEM
- ABANDONED SEWER SYSTEM
- NEW SEWER SYSTEM

Rev	Date	By	Description

REPORT

Welsh Water
Capital Alliance

Cyngorair Cymru
Dŵr Cymru

amec

NEWPORT CATCHMENTS - MALPAS

Malpas Park/Rowan Way PS CSO
LOCATION PLAN

FABER MAUNSELL
Marshmount House
Dumfries Place
Cardiff CF10 3PU
T: +44(0)2920 353400
F: +44(0)2920 353499
www.fabermaunsell.com

350461XW

Drawing No.	350461XW	Engineer	DC
Scale	NTS	Checked	CHE
Drawn	CHE	Approved	CHE
Issue	16.08.14	Drawn by	W03
Check	DC06	Issue	

DWR CYMRU

MALPAS PARK / ROWAN WAY PS, NEWPORT CATCHMENT

SCHEME SUMMARY SHEET

Summary Data

	Existing	Proposed
Asset Information	DCWW Asset No.	-
	EA Consent No.	-
	Unique ID No.	DC1101814
	Grid Reference Structure	ST3082890932
	CSO Type	High level pipe
	Population	3640
	Infiltration (l/s)	12.48
	Trade Flow (l/s)	0
	Formula A (l/s)	75.67
	DWF (l/s)	18.38
	Attenuation Volume (m3)	23 (PS wet well)
Aesthetic	Amenity	Moderate
	Screen Type	12mm bar
Hydraulic	Annual Spill Volume (m3)	1,164
	Annual Spill Duration (%)	0.10
	Annual Spill Frequency (No.)	12
	PFF (l/s)	77
Environmental	Discharge Point (1)	ST3082690926
	Discharge Point (2)	ST3114490981
	Receiving Water Course	Pillmawr Creek
	River Classification (RQO)	RE2

Background

This CSO is located in the DCWW compound at Rowan Way PS 320m west of the Pilton Vale CSO and receives continuation flows from it. The CSO comprises a high level overflow pipe with a simple 12mm bar screen grille over the pipe entry.

UID Solution

The proposed solution entails the provision of a new high level overflow and 6mm static screen in the inlet chamber of the pumping station. A new connection pipe will be laid between the pumping station and the surface water sewer.

The pumping station currently has provision for 23m³ storage prior to spill occurring, which equates to approximately 45 minutes at Dry Weather Flow (DWF). The EAW require 2 hours at Flow to Full Treatment storage to be provided prior to spill from an emergency overflow or standby generation. A standby generator will be provided at this location.

