

CRESSELLY SEWAGE WORKS

NATIONAL RIVERS AUTHORITY WATER RESOURCES ACT 1991



Application for consent to discharge
Schedule 10

The Consents Officer,
National Rivers Authority,
Welsh Region,
Plas-yr-Afon/ Rivers House,
St Mellons Business Park,
Cardiff,
CF3 0LT

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Official Use Only Dist/Area Ref. <u>South West</u>
Application No. <u>BP0233201</u>
Date Received: <u>5-10-93.</u>

PLEASE REFER TO THE ATTACHED NOTES WHEN COMPLETING THE APPLICATION

We hereby apply for consent under the provisions of the Water Resources Act 1991 to make a discharge of effluent as described in this application and on the attached plan(s). I/We will bear the costs of any advertisement (see note 1).

We enclose a cheque for £ 84.60 to cover the cost of this application (see note 2).

Signed D. Miel Date 23.9.93

Authorised on behalf of SOUTH PEMBROKESHIRE DISTRICT COUNCIL

Have you made, or do you intend to make, an application to the Secretary of State for exemption from publicity? (See note 3.) ~~YES~~/NO*

Has this application been made in response to the service of a relevant prohibition? ~~YES~~/NO*

If yes please give reference number:

<p>1a Full name and postal address of applicant. (See note 4.)</p> <p>Post Code:</p> <p>Daytime telephone number:</p>	<p><u>SOUTH PEMBROKESHIRE DISTRICT COUNCIL</u> <u>DISTRICT OFFICES</u> <u>PLANNING & TECHNICAL SERVICES DEPT</u> <u>LLANION PARK</u> (7985) <u>PEMBROKE DOCK</u> <u>SA72 6DZ</u> <u>0646 683122 x229</u></p>
<p>1b Agent (if any) Full name and postal address</p> <p>Contact name and daytime telephone number</p>	<p><u>N/A</u></p> <p>Note: if this box is completed, all correspondence will be sent to this address.</p>

NOTE: The application should be accompanied by 3 copies of an adequate plan and details of any environmental impact assessment. Failure to do so may result in a delay in processing the application. (See note 5.)

*Delete as necessary

2a) Address or other sufficient description of land or premises to which this application relates. (132713)	FIELD NO 8500 ADJACENT TO KEEPERS HALL OFF THE A4075 CRESSELLY MILTON DYFED.
2b) National Grid Reference of point of discharge.	SN 0585 0602
2c) District Council area.	SOUTH PEMBROKESHIRE.
3 State the nature of the discharge. Tick one or more boxes as appropriate. (See note 6.)	Sewage effluent <input checked="" type="checkbox"/> Storm/emergency sewage effluent <input type="checkbox"/> Trade effluent <input type="checkbox"/> Any other matter (inc. surface water). <input type="checkbox"/>
4 For sewage and trade effluent, and storm/emergency discharges, state:- a) Maximum quantity it is proposed to discharge in one day. (See note 7.) b) Highest rate at which it is proposed to operate the discharge. c) Periods during which the discharge will take place.	2.7 m ³ /day 0.03 l/sec
5 For rainfall dependent discharges, state the area to be drained. (Roof areas and other impervious areas should be separately identified.)	N/A m ²
6 Receiving medium Tick the category to which the proposed discharge(s) are to be made. TIDAL RIVER OR STREAM <input type="checkbox"/> ONTO LAND <input type="checkbox"/> NON-TIDAL RIVER OR STREAM <input checked="" type="checkbox"/> DIRECTLY INTO GROUNDWATER <input type="checkbox"/> CANAL <input type="checkbox"/> INTO LAND AND WATERCOURSE <input type="checkbox"/> LAKE, LOCH OR POND <input type="checkbox"/> COASTAL WATER (see Note 8.) <input type="checkbox"/> INTO LAND <input type="checkbox"/> (not discharging to a river or stream) State name of watercourse, if known:- AS INDICATED ON O.S. PLAN	

<p>7 The Authority will normally require adequate provision for the taking of samples of the discharge. Please indicate the means proposed. (See note 9)</p> <p>At the outlet <input checked="" type="checkbox"/> At a manhole or sampling chamber <input type="checkbox"/> See plan <input type="checkbox"/> Other <input type="checkbox"/></p> <p>If other, please give further details:-</p>										
<p>8 Indicate proposed means of discharge:-</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">1. Pipe <input checked="" type="checkbox"/></td> <td style="width: 33%;">2. Channel <input type="checkbox"/></td> <td style="width: 33%;">3. Borehole <input type="checkbox"/></td> </tr> <tr> <td>4. Soakaway <input type="checkbox"/></td> <td>5. Well <input type="checkbox"/></td> <td>6. Sub-irrigation system <input type="checkbox"/></td> </tr> <tr> <td>7. Culvert <input type="checkbox"/></td> <td>8. Soakaway & sub-irrigation system <input type="checkbox"/></td> <td>9. Other <input type="checkbox"/></td> </tr> </table> <p>If 9 please give further details:-</p>		1. Pipe <input checked="" type="checkbox"/>	2. Channel <input type="checkbox"/>	3. Borehole <input type="checkbox"/>	4. Soakaway <input type="checkbox"/>	5. Well <input type="checkbox"/>	6. Sub-irrigation system <input type="checkbox"/>	7. Culvert <input type="checkbox"/>	8. Soakaway & sub-irrigation system <input type="checkbox"/>	9. Other <input type="checkbox"/>
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<p>9 Give details as appropriate</p> <p>a) For pipes, channels, wells and boreholes, state diameter in millimetres or dimension(s) in metres.</p> <p>b) For sub-irrigation systems, soakaway pits, wells and boreholes, state depth in metres and geological stratum, if known.</p> <p>c) For boreholes, state details of lining:</p> <p>Type of lining</p> <p>Depth of lining</p> <p>Depth of perforated lining</p> <p>Depth of unperforated lining</p>	<p>a) 150mm</p> <p>b) N/A</p> <p>c) N/A</p> <p>: metres</p> <p>: metres</p> <p>: metres</p> <p>: metres</p>									
<p>10 Is there a foul sewer available to which the discharge could be made?</p> <p>If yes give reason for not connecting.</p> <p>Distance from nearest foul sewer.</p>	<p>YES NO*</p> <p>:</p> <p>: 2 to 3 MILES IN CAREW</p>									
<p>11 Give brief details of:</p> <p>a) Source of water supply (eg mains, well, borehole, etc.)</p> <p>b) General purpose for which water is used (eg domestic, cooling, etc.)</p>	<p>a) MAINS</p> <p>b) DOMESTIC</p>									

*Delete as necessary

12	Is consent required for a limited period? If yes give relevant dates	YES/NO* :
13	On what date do you anticipate the discharge will begin to be made?	PRESENT DISCHARGE TO BE CONSENTED & APPROVED (RETROSPECT)
14	Does this proposal replace an existing discharge? If yes give details	YES/NO* :
15	Are there any existing consents for discharge from the premises? (see note 10.) If yes, give details, numbers, if known.	YES/NO* :
16	Please give details of the premises – tick as appropriate:–	
	1. Single dwelling <input type="checkbox"/>	2. Multiple dwellings <input checked="" type="checkbox"/>
	3. Licenced premises <input type="checkbox"/>	4. Vehicle parking area <input type="checkbox"/>
	5. Industrial premises <input type="checkbox"/>	6. Fish farm <input type="checkbox"/>
	7. Mineral workings <input type="checkbox"/>	8. WSPLC STW <input type="checkbox"/>
	9. Water supply <input type="checkbox"/>	10. Other <input type="checkbox"/>
	If other, please give further details.	
17	IN THE CASE OF SUB-IRRIGATION SYSTEMS AND SOAKAWAYS	
a)	Is any part of the system within 10 metres of the site boundary?	YES/NO*
b)	Is any part of the system within 10 metres of a watersource?	YES/NO*
c)	Is the land in which the disposal system is to be constructed under-drained with land drains discharging to a watercourse or to be so under-drained?	YES/NO*
d)	If the answer to either (b) or (c) is "YES" please state the name of the watercourse or sufficient information to identify it.	:
e)	Attach details of the percolation test carried out.	Attached
18	FOR SEWAGE TREATMENT PLANTS	
a)	State the population served/population equivalent/estimated population*	*All year } 12K0 PERSONS *Summer } *Winter }
b)	Give details of the treatment plant to be used (see note 11.)	1) PRIMARY SETTLEMENT TANKS 2) TIPPING UNIT TO FILTER MEDIUM

*Delete as necessary

FOR TRADE EFFLUENT AND SEWAGE DISCHARGES
CONTAINING TRADE EFFLUENT

19 a) Describe the trade effluent and the process from which it arises. (See note 12.)

NONE

b) Maximum temperature of the effluent as discharged °C

c) Does the effluent contain any of the following? *YES/NO

If yes, underline those present and give full details (including maximum, minimum and mean values) separately.

- | | |
|--|--|
| 1. Aldrin, dieldrin, endrin and isodrin | 25. Iron |
| 2. Arsenic | 26. Lead |
| 3. Atrazine | 27. Malathion |
| 4. Azinphos-ethyl | 28. Mercury and its compounds |
| 5. Azinphos-methyl | 29. Nickel |
| 6. Boron | 30. Parathion |
| 7. Cadmium and its compound | 31. Parathion-methyl |
| 8. Carbon tetrachloride | 32. PCSD's |
| 9. Chloroform | 33. Pentachlorophenol (PCP) |
| 10. Chromium | 34. Perchloroethylene |
| 11. Copper | 35. Permethrin |
| 12. Cyanide | 36. pH if outside the range 5.5 to 9.0 |
| 13. Cyfluthrin | 37. Polychlorinated biphenyls |
| 14. DDT | 38. Simazine |
| 15. 1, 2-Dichloroethane | 39. Sulcofuron |
| 16. Dichlorvos | 40. Tetrachloroethylene |
| 17. Dioxins | 41. Tributyltin compounds |
| 18. Endosulfan | 42. Trichlorobenzene |
| 19. Fenitrothion | 43. Trichloroethane |
| 20. Fenthion | 44. Trichloroethylene |
| 21. Flucifurin | 45. Trifluralin |
| 22. Hexachlorobenzene (HCB) | 46. Triphenyltin compounds |
| 23. Hexachlorobutadiene (HCBD) | 47. Vanadium |
| 24. Hexachlorocyclohexane
(lindane and related compounds) | 48. Zinc |

d) Give full details of any other significant chemical components contained in the effluent:-

*Delete as necessary

20 FOR STORM AND EMERGENCY DISCHARGES AND SURFACE WATER SEWERS

State the type of discharge. Tick one or more boxes as appropriate.

- | | | |
|---|--------------------------|----------------------------|
| Storm tanks | <input type="checkbox"/> | Answer all except 23 & 26 |
| Storm overflow from sewer | <input type="checkbox"/> | Answer all except 23 & 26 |
| Storm overflow from pumping station | <input type="checkbox"/> | Answer all sections below |
| Emergency overflow from sewer | <input type="checkbox"/> | Answer 20a, 21, 25, 27, 28 |
| Emergency overflow from pumping station | <input type="checkbox"/> | Answer all except 20b, 22 |
| Surface Water | <input type="checkbox"/> | Answer 25, 27 |
| Other | <input type="checkbox"/> | Answer as appropriate |

If other, please give further details:-

21	a) State dry weather flow to pumping station/in sewer	:	m^3/day
	b) State flow at which storm discharge will commence	:	l/sec
22	Expected frequency of operation	:	per annum
23	State volume of storm tank(s).	:	m^3
24	State volume of wet well	:	m^3
25	What provisions have been made to raise alarms? (eg telemetry)		
26	What facilities have been provided to prevent the discharge of gross solids? (For screens, give bar spacing or aperture.)		
27	What provisions have been included to deal with a) power failure? b) mechanical breakdown? c) rising main failure?		
28	What facilities have been provided for flow measurements?		
29	Are there any other factors to be taken into account?		

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



ENVIRONMENT
AGENCY

Part A To: PEMBROKESHIRE COUNTY COUNCIL
COUNTY VALUER & ESTATE OFFICER
CAMBRIA HOUSE
HAVERFORDWEST SA61 1TP

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The Environment Agency") hereby confirm that the above named person is a/the registered holder of consent Bp0233201

SEWAGE EFF/TREATED EFF/CONTINUOUS

Nature of Discharge(s);
at CRESSELLY HOUSING ACT WORKS , ,

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:.....

JWE/S/96

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



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*Awdurdod Afonydd Cenedlaethol
Rhanbarth Cymru*

*National Rivers Authority
Welsb Region*

South Pembrokeshire District Council
District Offices
Llanion Park
Pembroke Dock
Dyfed
SA72 6DZ

Enquiries: Rod Thomas
DATE : 7 March 1994

Our Ref: 2/EQ/BP0233201/DRT

Dear Sir/Madam,

RE: WATER RESOURCES ACT 1991 SECTION 88 SCHEDULE 10
CONSENT TO DISCHARGE

Further to your application for the consent of the Authority to discharge under the provisions of Section 88 of the Water Resources Act 1991, I enclose the Authority's formal consent to discharge biologically treated sewage from Cresselly Housing Act Works.

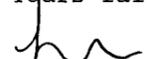
Under the present Scheme of Charging for Discharges to Controlled Waters an annual charge will be made for all consents to discharge, except where the discharge is of sewage effluent of five cubic metres or less per day. This charge is based on information derived from the conditions attached to the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

Where there is a change of ownership of the discharge, the Authority should be informed in writing in order that an apportioned charge may be raised.

This discharge consent is issued under the provisions of the Water Resources Act 1991. It does not relieve the person to whom it is granted from any obligation, statutory or otherwise, to obtain any other consent, licence or permission that may also be required for the proposal.

If you are not satisfied with the conditions of this consent you may appeal against the decision to the Secretary of State for Wales at the Welsh Office, Cathays Park, Cardiff CF1 3NQ.

Yours faithfully,


S J Brown
Area Environmental Quality Manager

Aelod Rhanbarthol o'r Bwrdd
Yr Athro Ron Edwards

Rheolwr Rhanbarth Cyffredinol
Dr John Stoner

Llys Alon
Hawthorn Rise
Hwlfordd
Dyled SA61 2BQ
Ffôn: Hwlfordd (0437) 760081
Ffacs: (0437) 760881

Customer Reference DR 0586 8698 0GB

Regional Board Member
Professor Ron Edwards

Regional General Manager
Dr John Stoner

Llys Alon
Hawthorn Rise
Haverfordwest
Dyled SA61 2BQ
Tel: Haverfordwest (0437) 760081
Fax: (0437) 760881

WATER RESOURCES ACT 1991

Consent No. BP0233201

Under Section 88 and Schedule 10 of the Water Resources Act 1991 and all other enabling powers the National Rivers Authority hereby gives this

C O N S E N T

Page 1 of 2

To : South Pembrokeshire District Council

Of : District Offices, Llanion Park, Pembroke Dock, Dyfed, SA72 6DZ

For : A discharge of biologically treated sewage

To : A tributary of the River Cresswell

From: Cresselly Housing Act Works

This Consent shall not be taken as providing a statutory defence against a charge of pollution in respect of any poisonous, noxious or polluting constituents not specified herein.

CONDITIONS OF CONSENT

1. The discharge shall consist only of biologically treated sewage effluent.
2. The discharge shall be made in the manner and at the place specified as follows:

Discharging via : a 150mm diameter pipe
Discharging to : a tributary of the River Cresswell
At OS Grid Ref : SN 0585 0602
As shown marked : Consent Point 'A' on attached Drawing/Plan No: BP0233201

3. Adequate facilities, approved in writing by the Authority, shall be provided to enable representative samples of the discharge to be safely and conveniently obtained at any time at the discharge point, as shown marked 'sampling point' on the attached drawing/plan no. BP0233201.
4. The maximum volume of effluent discharged shall not exceed 2.7 cubic metres per day.

5. The maximum rate of flow of effluent discharged shall not exceed 0.03 litres per second.

Aelod Rhanbarth o'r Bwrdd
Yr Athro Ron Edwards
Rheolwr Rhanbarth Cyffredinol
Dr John Stoner

Llys Afon
Hawthorn Rise
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WATER RESOURCES ACT 1991
Continuation Sheet

Consent No. BP0233201

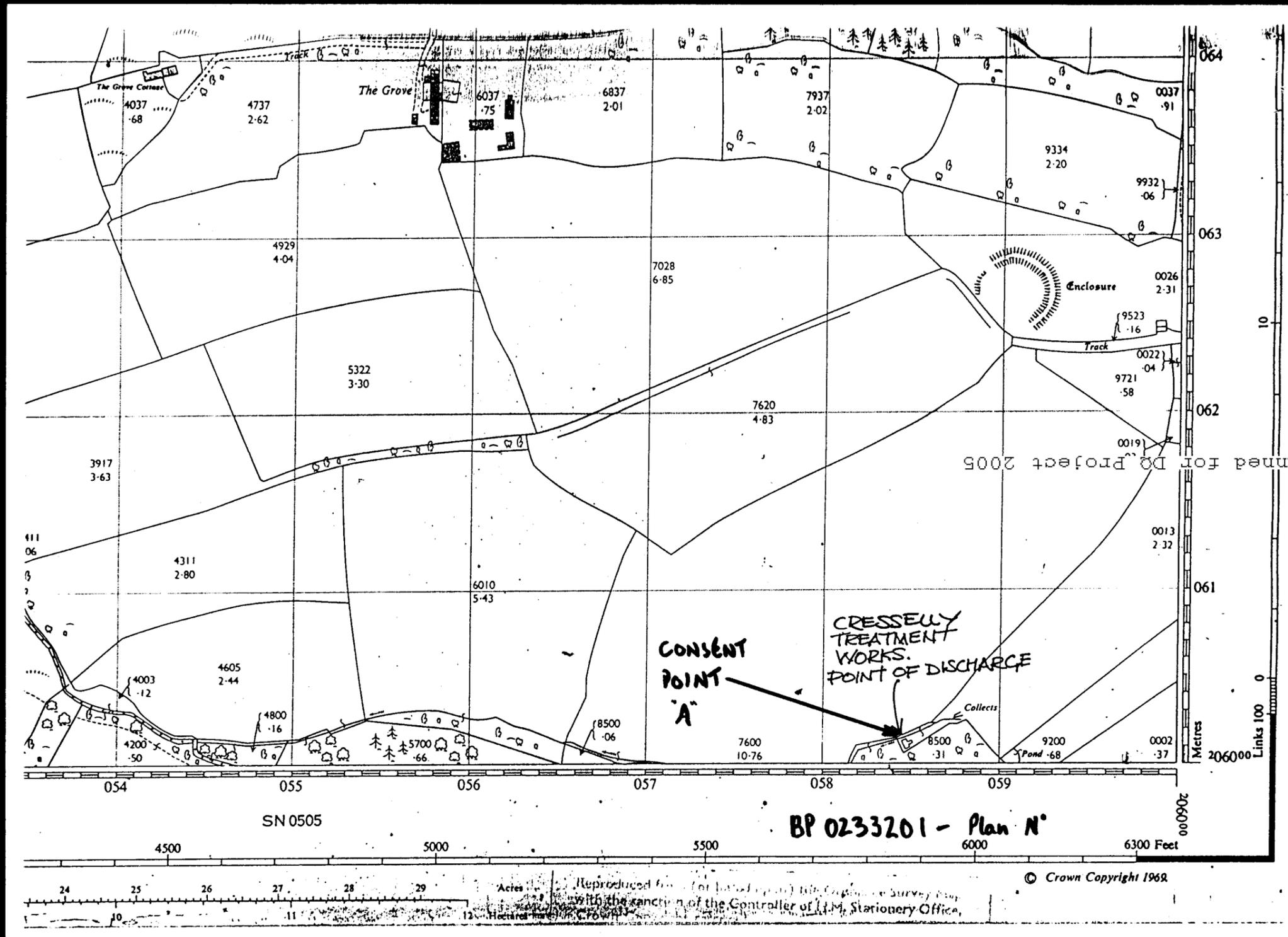
Page 2 of 2

6. The quality of the effluent discharged at all flow rates up to the maximum specified in condition 5 shall not be inferior to the following numerical limits:
 - a. The 5 day biochemical oxygen demand (BOD ATU), determined at 20 degrees Celsius after the suppression of nitrification using allyl thiourea, shall not exceed 50 milligrammes of Oxygen per litre of sample.
 - b. The suspended solids concentration (dried at 105 degrees Celsius) shall not exceed 60 milligrammes per litre..

7. The effluent shall at no time contain any matter other than matters specifically authorised or limited by numerical conditions in this consent, to such an extent as to cause the receiving waters to be poisonous or injurious to fish or the spawning ground, spawn or food of fish.

This Consent is given on: 4th March 1994 on behalf of the Authority
by: [Signature] Area Environmental Quality Manager

During the period ending with the 3rd March 1996 the terms of this
Consent will not be altered without the written agreement of the person
making the discharge.



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