

S/01/55291/T



**ENVIRONMENT  
AGENCY**

CONSENT NO.

S/01/55291/T

register

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

**TO:** H V Bowen & Sons  
New Mills  
Newtown  
Powys

**WATER ACT 1991 - SECTION 190  
(As Amended By The Environment Act 1995)**  
**DATE OF ENTRY  
ONTO REGISTER** 22 MAR 1999

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 **TRADE EFFLUENT**, as follows:

Site drainage settlement lagoon storm overflow.

**FROM:** Tan - y - Foel Quarry

**AT:** Cefn Coch, Llanfair Caereinion

**TO:** An un-named tributary of the Afon Rhiw

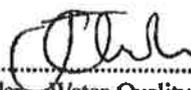
**SUBJECT TO** the conditions set out in the following schedules:

Site drainage settlement lagoon storm overflow.

Schedule No. S/01/55291/T 01

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

This consent is issued and takes effect on the seventeenth day of March 1999

Signed   
Team Leader - Water Quality Consents

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

CONSENT NO.	S/01/55291/T
SCHEDULE NO.	S/01/55291/T 01
DATE ISSUED	17 <sup>th</sup> March 1999

### CONDITIONS OF CONSENT TO DISCHARGE

**TRADE EFFLUENT ("the discharge")**

**FROM: TAN - Y - FOEL QUARRY, CEFN COCH, LLANFAIR CAEREINION**

#### MINIMISE EFFECT

- 1 (a) The Discharge shall not contain any poisonous, noxious, or polluting matter or solid waste matter.
- (b) Provided that the Discharge hereby consented is made in accordance with the following conditions of this consent, such discharge shall not be taken to be in breach of condition (a) above by reason of containing substances or having properties identified in and controlled by these conditions.

#### NATURE

- 2 The Discharge shall consist solely of site drainage settlement lagoon storm overflow.

#### LOCATION

- 3 The Discharge shall be made in the manner and at the place specified as:
  - (a) discharging to an un-named tributary of the Afon Rhiw
  - (b) at National Grid Reference SJ 0125 0115
  - (c) shown marked "STORM OVERFLOW" on attached Drawing No. S/01/55291/T/D.

#### SAMPLE POINT

- 4 The outlet to the watercourse shall be constructed, maintained and appropriately labelled so that a representative sample of the Discharge may be obtained at National Grid Reference SJ 0125 0115.

VOLUME

The storm overflow discharge shall only take place when the incoming flow exceeds 8 litres per second and the capacity of the balancing lagoon has already been taken up.

COMPOSITION

- 5 The composition of the Discharge shall be such that:
- (a) suspended solids, dried at 105 degrees Celsius, shall not exceed 75 milligrams per litre.
  - (b) there shall be no visible oil or grease in the receiving watercourse as a result of the discharge.

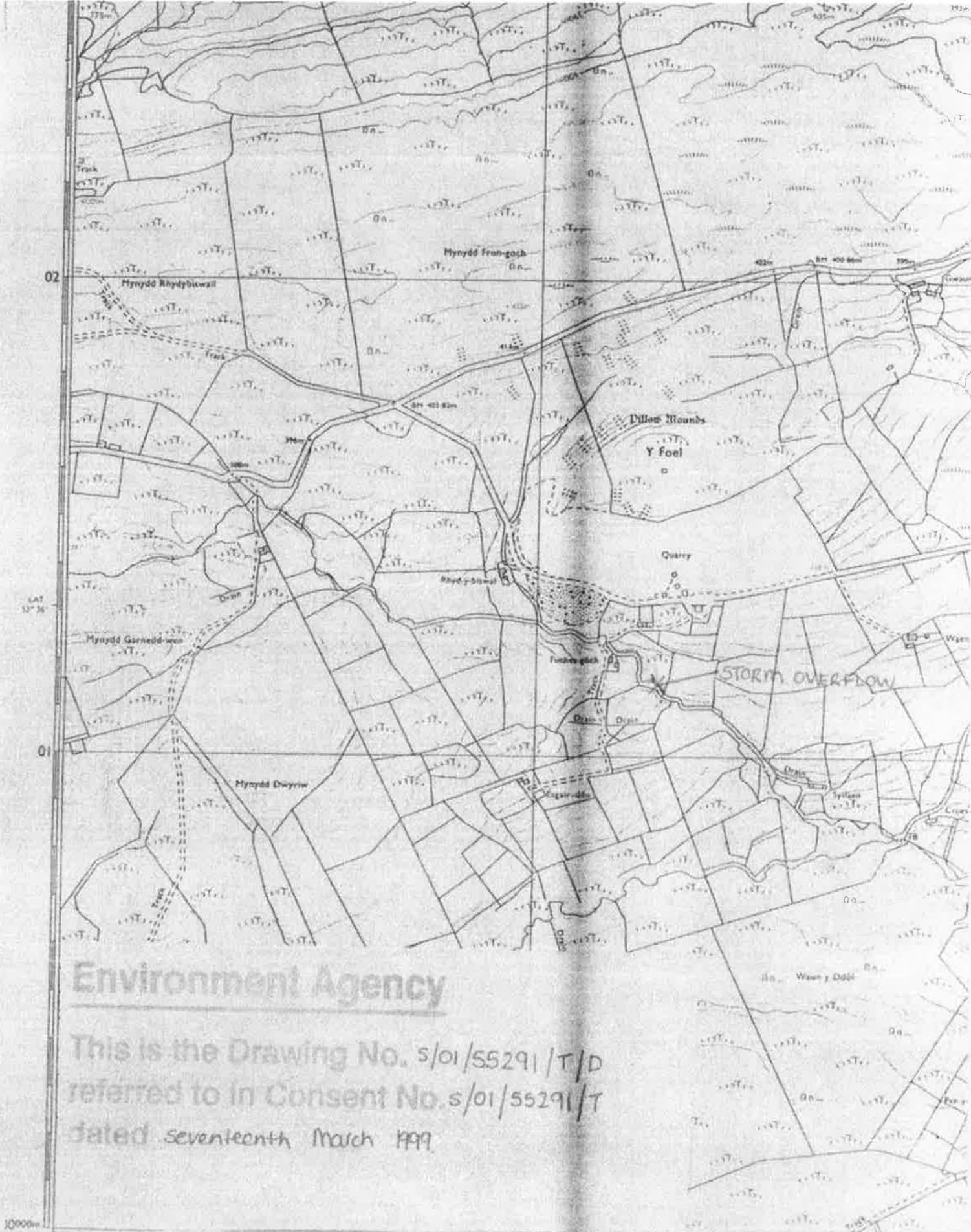
NON-INJURIOUS TO FISH

- 6 As far as is reasonably practicable, the Discharge shall not contain any matter, other than matter specifically covered by numerical conditions in this consent, to such an extent as to cause the receiving waters, or any waters of which the receiving waters are a tributary, to be poisonous or injurious to fish in those waters, or to the spawning grounds, spawn or food of fish in those waters, or otherwise cause damage to the ecology of those waters or to have any other adverse environmental impact.

Dated this seventeenth day of March 1999.



Team Leader - Water Quality Consents



**Environment Agency**

This is the Drawing No. S/01/55291/T/D  
 referred to in Consent No. S/01/55291/T  
 dated seventeenth March 1999

ENVIRONMENT AGENCY  
WATER RESOURCES ACT 1989

AS REQUIRED BY THE ENVIRONMENT ACT 1980  
CONSENT No 5/01/55291/T

SCALE 1:10000

Sheet Numbers: SJ00 SW

REPRODUCED FROM THE ORDNANCE SURVEY MAP  
WITH THE SANCTION OF THE DIRECTOR OF

THE STATISTICAL OFFICE CENTRAL AND SOUTH  
REGIONS SURVEY LABORATORY



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)

<b>Regional/Area Address:</b> Environment Agency Midlands Region PO Box 299 SHREWSBURY SY3 8WD	<i>Official Use Only</i> Dist/Area Ref: UAC/US/1132 Application No. CP/US/090800 Date Received: 26.1.99 Fee Received: £589.00
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Each applicant must complete the main form and may need to complete a separate annex 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 the relevant sections and provision 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.

TAN Y FOEL QUARRY  
CEFN COCH  
LLANFAIR CAEREINION  
POWYS.

Post Code:

## 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 Storm overflow 10<sup>3</sup> day  
Briefly state how this figure was calculated (see note ii).

*See Application ref. CP/US/90780. This application is in respect of the storm overflow. See Action Plan for site drainage.*

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 (please specify below) <input type="checkbox"/> |

*Pipe discharge from lagoon*

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

S J / 0 1 2 4 / 0 1 1 5 (please indicate on accompanying plans)  
*see Application ref. CP/US/90780*

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)

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

□ □ / □ □ □ □ / □ □ □ □ (please indicate on accompanying plans)  
*as above*

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

Please give details.

*At discharge pipe*

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

Oil interceptor

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

2.6 a) On what date do you anticipate the discharge will commence?  01/05/99

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.

For emergency use during heavy rainfall

2.7 a) Are there any existing consents for discharge 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).

See Application ref. CP/05/90780

b) Has any person had a Prohibition Notice served 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.

Powys 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 checked="" 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 (please specify) | <input type="checkbox"/> | 10. Other (please specify) | <input type="checkbox"/>            |

# 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 Environment 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 by completing section 5.2 above (see note xiv).

(\* Delete as appropriate)

SIGNED: <u>C. Ruston</u>	PRINT NAME: <u>C. Ruston</u>
ON BEHALF OF: <u>H V Bower &amp; Sons</u>	DATED: <u>17/01/99</u>

- o o -

# 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



# ENVIRONMENT AGENCY

## ANNEXE 3 TRADE EFFLUENT DISCHARGES

Please complete this annexe if you are proposing to discharge trade effluent (this includes site drainage).

UPPER SEVERN AREA ENVIRONMENT AGENCY SKEWSEURY	
22 JAN 1999	
ADMINISTRATION DEPARTMENT	CASH/CHEQUE RECEIVED
<i>[Signature]</i>	£ 589.00

Official Use Only Application No. CP/US/90800
---

1. Site Name.

TAN-Y-FOEL QUARRY

2. a) Describe in full the trade effluent and the process(es) from which it arises.

SITE RUNOFF

b) Please state the type and number of treatment units you are proposing to use (if site drainage please include details of oil/petrol interception facilities).

INTERCEPTOR ON FUEL STORAGE AREA

3. Rainfall Dependent Discharges

a) Is the volume going to be rainfall dependent?

Y  N

b) If yes, please give the total area drained.

72410 m<sup>2</sup>

c) Please give details of any activities which occur in the drainage area which could contaminate surface water (see note b).

Quarry operation  
Fuel Storage Area  
Small Vehicle wash & Workshop

4. Rainfall Independent Discharges

a) What is the maximum rate of discharge?

l/s

b) What is the average daily flow?

m<sup>3</sup>/d

c) For discharges where the source of supply is other than mains water:

i) give the abstraction licence number.

ii) give the National Grid Reference of a point where the influent can be sampled.

/      /     (please mark on the plan)

5. a) Will any self monitoring take place?  
If yes, please give details.

Y/N

To be negotiated

b) Will automatic sampling equipment be provided?  
If yes, please give details of type, frequency and location (please indicate on plan).

Y/N

6. a) Please state the maximum temperature in degrees Celsius of the effluent when discharged if different from ambient.

Ambient

b) Will the discharge be monitored for temperature?  
If yes, please give details of type and location (please indicate on plan).

Y/N

7. Has an application for Authorisation been made for a 'prescribed process' as defined in Part 1 of the Environmental Protection Act 1990?

Y/N

If yes, please complete the following:

a) The application reference.

c) Contact name of case officer.

8. a) Please indicate if any of the specified substances given below or their compounds will be present in the effluent and if so at what maximum concentration (please give values in micrograms per litre - ug/l). Please see note c.

SUBSTANCE	CONCENTRATION (ug/l)			SUBSTANCE	CONCENTRATION (ug/l)		
	Max	Min	Mean		Max	Min	Mean
Iron				Lead			
Arsenic				Malathion			
Atrazine				Mercury			
Azinphos-ethyl				Nickel			
Azinphos-methyl				PCB's			
Boron				PCSD's			
Cadmium				Parathion			
Carbon tetrachloride				Parathion-methyl			
Chloroform				Pentachlorophenol (PCP)			
Chromium				Perchloroethylene			
Copper				Permethrin			
Cyanide				pH < 5.5 or > 9.0			
Cyfluthrin				Phosphorus			
DDT				Polychlorinated biphenyls			
1,2 Dichloroethane				Simazine			
Dichlorvos				Sulcofuron			
Dioxins				Tetrachloroethylene			
Drins (eg. Aldrin, Dieldrin)				Tributyltin compounds			
Endosulfan				Trichlorobenzene			
Fenitrothion				Trichloroethane			
Fenthion				Trichloroethylene			
Flucifuron				Trifluralin			
Hexachlorobenzene (HCB)				Triphenyltin compounds			
Hexachlorobutadiene (HCBD)				Vanadium			
Hexachlorocyclohexanes (HCH's)				Zinc			

b) Are there any other significant chemical components used on site which may be contained in the effluent, including biocides or additives?

Y/N

If yes, please give details.

Fuel / oil

*Notes (see also the notes attached to the main form):*

- a) For direct trade effluent discharges, full details of the type of the effluent are required (eg. cooling water from air conditioning units), along with typical analytical details and the results of any toxicity studies on the effluent or its constituents. In certain circumstances the Agency may require that specific samples be taken and tests and analysis carried out. The Agency is empowered to recover any costs incurred as a result of special studies.*
- b) Possible sources of contamination include oil/chemical storage areas, vehicle loading/unloading areas, heavy vehicle parking areas and oil/petrol filling points. Any other potential sources of contamination should be detailed.*
- c) Where discharges of trade effluent take place to a sewerage system, as covered by this application, please give details of all authorised discharges of substances listed in table 8 overleaf.*

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

- |  |                                     |   |                          |
|--|-------------------------------------|---|--------------------------|
| 1. Well                                      | <input checked="" 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 checked="" type="checkbox"/> | 7. Coastal Water (please give name below) | <input type="checkbox"/> |
| 4. Mains (please state water supply company) | <input type="checkbox"/>            |   |                          |

#### 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, Loch or Pond                      | <input type="checkbox"/>            | 8. Coastal Water (see note vii) | <input type="checkbox"/> |

State name of receiving water if known:

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

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

\* H. V. BOWEN & SONS  
\*  
\* NEW MILLS  
\*  
\* NEW TOWN  
\*  
\* POWYS

Post Code:

Daytime Telephone Number: (01938) 810460

Company Registration Number (if appropriate):

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

\* CHARLES RUXTON  
\* ENVIRONMENTAL GEOLOGIST  
\* NEW PLACE  
\* ROWLEY  
\* NR. WESTBURY, SHROPS. ~~SH~~

Post Code: SYS 9RY

Contact Name and Daytime Telephone Number: CHARLES RUXTON (01743) 891507

### 5.2

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

\*  
\* AS S.1 a) 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.

# CHARLES RUXTON

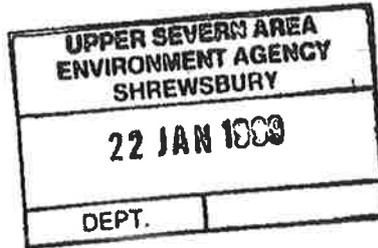
**Environmental Geologist**

New Place Rowley Nr Westbury Shropshire SY5 9RY

Tel (01743) 891507

Fax (01743) 891507

Area WQ Consents Officer  
Environment Agency  
P.O. Box 299  
SHREWSBURY SY3 8WD



17 Jan 1998

Your ref. CP/US/90780

Dear Sirs

## **APPLICATION FOR CONSENT TO DISCHARGE: TAN-Y-FOEL QUARRY, POWYS**

Please find enclosed an application for discharge consent at the above site, to cover the storm overflow detailed in the application submitted 30 Oct 1998, and referred to in the Action Plan for site drainage, dated March 1998. The necessary plans to support the current application are found with the documents already submitted.

Please contact me if you have any queries with the application. I would be grateful for a receipt for the application fee submitted.

Yours faithfully

Charles Ruxton.

UNITED STATES DEPARTMENT OF JUSTICE  
FEDERAL BUREAU OF INVESTIGATION  
WASHINGTON, D. C. 20535  
JAN 1988