



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:	<i>Official Use Only</i> <i>Dist/Area Ref: South West</i> <i>Application No. BP0266401</i> <i>Date Received: 27/2/97</i> <i>Fee Received: £587</i>
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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 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.

LLANDAROG ROAD LANDFILL SITE
NANT-Y-CAWS
CARDIFF
CARDIFFSHIRE

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) ☐

SITE RUN OFF DURING CONSTRUCTION OF CONTAINMENT CELLS

2.2 Please state the maximum quantity it is proposed to discharge in any one day m³/day
Briefly state how this figure was calculated (see note ii).

VALUE BASED ON FLOW INPUT OF 5 lts/SECOND (MAX OBSERVED DISCHARGE DURING HEAVY RAINFALL ON SITE). FLOCCULENT DESIGNED TO ACCOMMODATE THIS FLOW RATE.
SETTLING LAGOON CAPACITY 450 m³ - DISCHARGE BASED ON 5 lts/SECOND

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) ☐

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

/ / (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 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)

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

APPROXIMATE FLOW MEASUREMENT CAN BE MADE VIA CALIFORNIA PIPE METHOD AS PER CIRIA 117 APPENDIX 8

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.

* JOHN MOWLEM CO PLC
* SOUTHERN CIVIL ENGINEERING
* UNIT 2
* BRIDGEND BUSINESS CENTRE
* BENNETT STREET
* BRIDGEND FND. EST.
* BRIDGEND

Post Code: CF31 3SH

Daytime Telephone Number: 01267 275638
(SITE)

01267 275779

Company Registration Number (if appropriate):

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

* GEDANALYSIS Ltd
* GROVE HOUSE
* GROVE PLACE
* PORT TALBOT
*
*

Post Code: SA17 1XA

Contact Name and Daytime Telephone Number: 01679 890 249

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.

CONSTRUCTION PERIOD FOR LANDFILL IS LIKELY TO BE
BETWEEN 2-3 MONTHS ONLY.

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

- | | | | |
|--|-------------------------------------|---|--------------------------|
| 1. Well | ☐ | 5. River (please give name below) | ☐ |
| 2. Borehole | ☐ | 6. Estuary (please give name below) | ☐ |
| 3. Precipitation (eg. rain or snow) | ☒ | 7. Coastal Water (please give name below) | ☐ |
| 4. Mains (please state water supply company) | ☐ | | |

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) | ☐ | 5. Into Land | ☐ |
| 2. River or Stream (non-tidal) | ☐ | 6. Onto Land | ☒ |
| 3. Canal | ☐ | 7. Directly into Groundwater | ☐ |
| 4. Lake, Loch or Pond | ☐ | 8. Coastal Water (see note vii) | ☐ |

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.
- (e) For sub-irrigation systems, soakaway pits, wells and boreholes, state maximum depth in metres.
- (f) For boreholes, state details of lining in metres:
- (i) Depth of lining
- (ii) Depth of perforated lining
- (iii) Depth of unperforated lining
- (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.).

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



USE OF SIDE DRAIN WEIRS, FLOCCULENT BLOCKS AND FINAL
SETTLEMENT LAGOON PRIOR TO DISCHARGE

b) Will the treatment process involve the use of any chemicals (eg ferric salts, polyelectrolytes) ☒ Y/N

If yes please give details.

PERCOL - AN2 (COSTS ASSESSMENT TO BE FORWARDED)

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

18 / 2 / 97

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.

DISCHARGE WILL ONLY OCCUR DURING PERIODS OF
PRECIPITATION

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).

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.

CARMARTHEN COUNTY COUNCIL

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

1. Single Dwelling ☐

6. Fish Farm ☐

2. Multiple Dwellings ☐

7. Mineral Workings ☐

3. Industrial Premises ☐

8. Water Services plc STW ☐

4. Vehicle Parking Area ☐

9. Water Supply ☐

5. Commercial Premises (please specify) ☐

10. Other (please specify) ☒

PROPOSED LANDFILL SITE

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: *A W Jones* PRINT NAME: *A W Jones*
ON BEHALF OF: *Mowlem plc* DATED: *11/2/97*

o O o

CONFIDENTIALITY

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

SIGNED: *[Signature]* DATED: *[Date]*

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

CONSENT NO.

BP0266401

WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

CONSENT TO DISCHARGE

TO: The Site Engineer,
John Mowlem Company plc., Southern Civil Engineering,
Unit 2, Bridgend Business Centre, Bennet St,
Bridgend Industrial Estate, BRIDGEND CF31 3SH

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:

Settled Site Drainage

FROM: WATER TREATMENT SEDIMENTATION LAGOON,
NANT-Y-CAWS LANDFILL SITE PHASE II

AT: NANT-Y-CAWS, CARMARTHEN

TO: AN UNNAMED MARSH A TRIBUTARY OF THE AFON Y BANTWEN

SUBJECT TO the conditions set out in the following schedule:

SETTLED SITE DRAINAGE SCHEDULE No. BP0266401 01

Subject to the provisions of Paragraphs 6 and 7 of Schedule 10 of the Water Resources Act 1991, no notice shall be served by the Agency, altering this consent without the agreement in writing of the discharger, during a period of 2 years from the date this consent takes effect.

This consent is issued and takes effect on the 17th day of April 1997

Signed


Area Water Quality Manager

Asiantaeth yr Amgylchedd
Glantawe 154 Ffordd Sant Helen, Abertawe. SA1 4DF
Ffon 01792 645300 Ffacs 01792 648652

Environment Agency
Glantawe, 154 St Helens Road, Swansea, SA1 4DF
Tel: 01792 645300 Fax: 01792 648652

CONSENT NO.	BP0266401
SCHEDULE NO.	BP0266401 01
DATE ISSUED	17 th April 1997

CONDITIONS OF CONSENT TO DISCHARGE

Settled Site Drainage ("the Discharge")

FROM: Water Treatment Sedimentation Lagoon, Nant-y-caws Landfill Site Phase II

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 settled site drainage from a total area of no greater than 22,500 square metres comprising of any part of Nant-y-caws Landfill site as shown marked "Nant-y-caws Landfill Site Boundary" on Plan No. BP0266401 attached as Annex 1.

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 an unnamed marsh a tributary of the Afon y Bantwen ;
 - (c) at National Grid Reference SN 4705 1736;
 - (d) shown marked ' Final Effluent Discharge Point' on Plan BP0266401 attached as Annex 1.

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SAMPLING POINTS

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 SN 4705 1736 , as shown marked ' Final Effluent Discharge Point' on Plan BP0266401 .

VOLUME

5. The volume of the Discharge shall not exceed 432 cubic metres per day.
6. The rate of discharge shall not exceed 5 litres per second.

FLOW MEASUREMENT

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

COMPOSITION

8. The discharge shall not contain more than 70 milligrammes per litre of suspended solids (measured after drying at 105°C).
9. The discharge shall not contain a pH value of less then 6.0 pH units nor greater than 9.0 pH units.
10. The discharge shall not contain any un-reacted polyelectrolyte.
11. The discharge shall not contain tip leachate.

MAINTENANCE

12. The Water Treatment Lagoon shall be operated and maintained in accordance with good operational practice such that it shall be desludged at sufficient frequency and in such a manner to prevent excessive carryover of suspended solids.

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SCHEDULE NO.	BP0266401 01

13. As far as is reasonably practicable, the Water Treatment Lagoon shall be operated so as to prevent:

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

