

JOY HUGHES
WEST

BP0279801

12 JAN 2000



Cyngor Sir
Caerfyrddin
Carmarthenshire
County Council

J.L.Rees B.Sc.,C.Eng.,M.I.C.E.,M.I.L.A.M.,M.I.Mgt.
DIRECTOR OF OPERATIONS

Parc Myrddin
Richmond Terrace
Carmarthen
SA31 3LZ
Tel: (01267) 228167
Fax: (01267) 228122

FAX TRANSMISSION

To: June J Graham
Water Quality Consent Officer
Date: 22/12/99
Fax Nr.: 01792 648452
Pages: 1, Including this cover sheet.
From: Mr. Ken Phillips
Subject: Carmarthen Mart, Carmarthen - Application for Consent to Discharge.

Further to our telephone conversation of today regarding an extension of the determination period. I confirm acceptance of the period commencing on 24th December 1999 and terminating on the 18th February 2000.

I would be grateful if the Agency could confirm their acceptance of the storage requirements at the reception pit and the operation of the pumping and screening plant between reception pit and balance tank.

If I can be of any further assistance in this matter please do not hesitate to contact me.

Regards,

K Phillips
Ken Phillips.

Joy Hughes N'wes
PAUL FARMHAM St New

08 DEC 1999



Cyngor Sir
Caerfyrddin
Carmarthenshire
County Council

Bf0279801

J.L.Rees B.Sc., C.Eng., M.I.C.E., M.I.L.A.M., M.I.Mgt.

DIRECTOR OF OPERATIONS

Parc Myrddin
Richmond Terrace
Carmarthen
SA31 3LZ
Tel: (01267) 228167
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FAX TRANSMISSION

To: June J Graham
Water Quality Consent Officer
Fax Nr.: 01792 648452
Date: 6/12/99
Pages: 1, Including this cover sheet.
From: Mr. Ken Phillips
Subject: Carmarthen Mart, Carmarthen - Application for Consent to Discharge.

Further to your fax message dated 29/12/99 regarding the above I wish to inform you that my Council have no objections to the conditions stated in the draft consent.

With respect to your request for a further extension of the determination period, I confirm acceptance of the period commencing on the 30th November and terminating on the 24th December 1999.

I hope that this extension will be sufficient to allow you to complete your analysis and grant consent prior to the Christmas bank holiday period.

If I can be of any further assistance in this matter please do not hesitate to contact me.

Regards,

K Phillips

Ken Phillips.

PAUL FARMANAN S. Mearns
 Jor Hughes, H' West.

10 NOV 1999



Cyngor Sir
 Caeuafyddin
 Carmarthen
 County Council

J.L.Rees B.Sc., C.Eng., M.I.C.E., M.I.L.A.M., M.I.Mgt.
DIRECTOR OF OPERATIONS

Parc Myrddin
 Richmond Terrace
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FAX TRANSMISSION

To: June J Graham
 Water Quality Consent Officer
 Date: 9/11/99
 Fax Nr.: 01792 648452 / 470 619
 Pages: 1, Including this cover sheet.
 From: Mr. Ken Phillips
 Subject: Carmarthen Mart, Carmarthen - Application for Consent to Discharge.

BPO2798C

Further to your recent request for an extension of the determination period for the above I confirm acceptance of the agreed period which will commence on the 4th October 1999 and terminate on the 19th November 1999.

If I can be of any further assistance in this matter please do not hesitate to contact me.

Regards,

Ken Phillips
 Ken Phillips.

Eich cyf / Your ref :

Fy nghyf / My ref : IN/6500/AB

Dyddiad / Date : 27 May 1999

Gofynner am / Mr Tony Derrick
Please ask for :

Llinell Uniongyrchol / 01267 228161
Direct Line :

The Regional Finance Manager
Environment Agency
Welsh Region
PO Box 663
Cardiff
CF2 1YD

Dear Sir,

RE: New Carmarthen Market, Carmarthen - Application For New Consent To Discharge

I refer to the above development and enclose for your attention an Application for New Consent to Discharge together with application fee of £617.00 and 3 No. copies of the following:

- (i) Location Plans.
- (ii) Drawing No. 6500/DE/01 - Layout of Surface Water Sewers and Attenuation ponds.
- (iii) Drawing No. 6500/DE/10 - Foul Water Sewers Layout Plan.
- (iv) Report on the Effluent Treatment Plant at the New Carmarthen Mart.
- (v) Flows arriving at the Effluent Treatment Plant - Wallrus Drainage Model Results File.
- (vi) Environment Agency letter dated 6 May 1998.

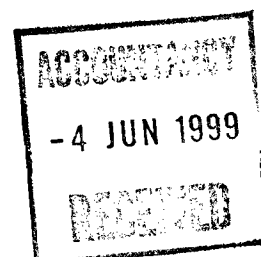
I would be pleased to receive your consent for this application at your earliest.

If you require any further information or would like to arrange a meeting to discuss the proposals please do not hesitate to contact Mr Tony Derrick or Mr Ken Phillips at these offices.

Yours faithfully



**JOHN REES
DIRECTOR OF OPERATIONS**



REPORT

NEW CARMARTHEN MART, CARMARTHEN - EFFLUENT TREATMENT PLANT. DRAFT APPLICATION FOR NEW CONSENT TO DISCHARGE

1.0 Introduction.

This report sets out to demonstrate that sufficient storage has been allowed for in the design of the effluent treatment plant and that the Environment Agency's requirement of 1 – 2 hours storage at 3PG+I+3E has been achieved.

2.0 Background

The surface water hardstanding areas within the site will be separated from those areas which drain 'dirty water' to the Effluent Treatment Plant (ETP) i.e. sloping hardstanding areas and channels will collect runoff from surface water areas and carry the flows via a piped system to 2 No. Attenuation ponds prior to discharge to watercourse. Mr Arwyn Howells (Flood Defence) has looked at the design of the attenuation ponds and in principle, the Agency has agreed that the scheme has been designed to control surface water flows to "greenfield conditions".

Sewage flows from the public areas of the Mart i.e. toilet facilities and restaurant will gravitate directly to the Effluent Pumping Station where they will be pumped together with flows arriving from the ETP to the main public sewer located north-east of the site.

The estimated cost of the treatment plant is in the region of £200,000.

3.0 The Treatment Process

A flow chart diagram in Appendix A of this report illustrates the proposed treatment process during normal conditions and works as follows:

3.1 Reception Tank.

Reception tank (A) to be positioned below ground to receive the wastes from the market. Pump(s) i.e. 1 duty + 1 standby within the reception tank will pump flows to a separator at a standard dry weather flow rate of 30 m³/hr and a maximum wet weather throughput rate of 60 m³ per hour. The rate of the pump is dependent on rainfall dilution.

3.2 Separation.

The rotoscreen separator (C) is employed to remove foreign bodies, the large proportion of the COD and some Nitrate as well as most of the gut fibre from the animals faeces. The solids go for storage and the liquid passes by gravity to the balance tank. The rotoscreen unit is mounted on a four meter high platform and gantry.

3.3 Aeration and balance tank.

The separator discharges to the aeration and balance tank (D). The capacity of this tank has been split between 250m³ for balance purposes and the rest for aeration capacity. Using the balance tank it will be feasible to balance the flows from the market to stabilise the waste strength for the treatment system. The aeration tank will discharge to the Conical Clarifier (E) at a rate suitable for sewer discharge. Normally this flow would be in the region of 3.41 m³/hr with up to three times this for wet weather flow. The balance tank has an overflow back to the reception pit for excessive storm flows. The total balance capacity is 500 m³.

3.4 Conical Clarifier.

Flow passes to a conical Clarifier (E) where the sludge flocculates together and settles and is then pumped back around the system to the aeration tank whilst the clarified liquor is decanted to the sewer pump wet well tank G at a constant rate. Excess sludge is pumped to the sludge storage tank where it is allowed to settle and the surplus liquor from this is returned to the reception pit A.

4.0 Flows arriving at the Effluent Treatment Plant

A 1 in 5 year return period has been chosen to offer a reasonable standard of protection against flooding to external hardstanding areas of the development. In order to calculate the flows arriving at the ETP a Wallrus drainage model of the Mart has been constructed and run with a 1 in 5 yr synthetic rainfall hyetograph of various duration's to ascertain the critical storm duration and maximum storage requirements. The maximum storage has occurred for a storm of 390 minutes and this is the critical duration.

Normal dry weather flow arriving at this tank will be washer flows from external/internal penning areas, fat/store cattle areas, lorry wash and unloading bay areas. Storm weather flows will consist of dry weather flows and storm runoff from external penning, unloading bay and lorry wash areas.

Dry weather flows from the restaurant and toilet facilities of the Mart will discharge directly to the Pumping Station downstream of the ETP.

4.1 Dry Weather Flows arriving at the Effluent Treatment Plant – Washer System

The design of the washer system has now been finalised and as a result the total discharge from the washer system will be lower than previously calculated and therefore the storage requirements at the ETP will be reduced.

The pumps serving the washers will be selected to provided the duties detailed below:

Pennage Area

Maximum flow per hose	1.5 l/s
Maximum No. of hoses in operation at one time	5 No.
Maximum simultaneous flow	7.5 l/s

Lorry Wash

Maximum flow per hose	0.5 l/s
Maximum No. of hoses in operation at one time	9 No.
Maximum simultaneous flow	4.5 l/s

Therefore pump selection:

Pennage: 3 No. pumps @ 4 l/s each
2 duty + 1 standby
Max. flow from duty pumps = $2 \times 4 \text{ l/s} = 8 \text{ l/s}$

Lorry Wash: 3 No. pumps @ 1.5 l/s each
3 duty
Max. flow from duty pumps = $3 \times 1.5 \text{ l/s} = 4.5 \text{ l/s}$

Maximum simultaneous washer flow = $8 \text{ l/s} + 4.5 \text{ l/s} = 12.5 \text{ l/s}$.

The Dry Weather Flow arriving at the ETP (Reception Pit) is based on an estimate of the usage of the washers in the various areas as shown below:

Pennage Area: 40 minutes in one hour (2/3)
Lorry Wash: 30 minutes in one hour (1/2)

Location	Flow	Rate
Pennage	8.0 l/s	$28.8 \text{ m}^3/\text{hr} @ 2/3 \text{ usage} = 19.2 \text{ m}^3/\text{hr}$
Lorry Wash	4.5 l/s	$16.2 \text{ m}^3/\text{hr} @ 1/2 \text{ usage} = 8.1 \text{ m}^3/\text{hr}$

Total = 27.3 m³/hr

The capacity arrived at by the flow of 27 m³ from the washers multiplied by seven hours duration being a days flow (189 m³) this then multiplied by 3 markets per week (567 m³) and divided by 7 x 24 hours to even the flow through the treatment plant gives an average flow of 3.38 m³ per hour or 81 m³ per day to the balance tank and effluent treatment pumping station.

The above rate of flow (27.3 m³/hr) to the Reception Pit is considered to be high. In particular the washer usage rate of 40 minutes in one hour for all washers running simultaneously within the Pennage Area is not a realistic occurrence at a cattle market. However, this rate has been used in calculations to ascertain the storage requirements of the reception pit and will provide a safety margin in its design.

4.2 Pump Out Rate from Reception Pit.

During dry weather flow conditions (washers only) the pump out rate from Reception Pit will be approximately 30 m³/hr from the one duty pump and during storm flows the pump out rate will discharge a maximum of 60 m³/hr.

4.3 Storm Weather Flows arriving at the Reception Pit.

(Dry Weather Flows excluded)

The Wallrus drainage model was run with a 1 in 5 yr storm event and the following results obtained:

Simulation

Conditions:

Reception Pit Pump Rate: 17 l/s (60 m³/hr).

Plan Area of Wet Well: 25 m².

Depth of storage taken up: tank empty.

Results:

Peak discharge to wet well: 24 l/s.

Inflow Volume: 150.7 m³.

Peak depth: 0.29 m.

Storage volume taken up = (25m² x 0.29 m) = 7.25 m³.

4.4 Storm Weather Flows and Dry Weather Flows arriving at the reception Pit.

The Wallrus drainage model was run with a 1 in 5 yr storm event and dry weather flows shown in 4.1 above.

Simulation

Conditions:

Reception Pit Pump Rate: 17 l/s.

Plan Area of Wet Well: 25 m².

Depth of storage taken up: tank empty.

Results:

Peak discharge to wet well: 36 l/s

Inflow volume: 333 m³

Peak depth: 1.33 m

Storage volume taken up: (25 m² x 1.33 m) = 33.25 m³

5.0 Failure at the Effluent Treatment Plant during Storm and Dry Weather Conditions

In order to comply with the requirements of the Environment Agency (EA) the reception pit (A) and pumping station (G) will be constructed in accordance with the following principles as stated in a letter dated 6/6/98 from Lyn Richards (EA):

- a) telemetry is installed to give alarm of failure to a permanently manned office;
- b) minimum wet-well capacity is specified after alarm is triggered to give time for remedial action before an overflow occurs. For normal situations 1-2 hours storage at $3PG + I + 3E$ would be acceptable, where:

P = Population served;
G = Water consumption per head per day;
I = Infiltration allowance
E = Trade effluent flow to sewer.

- c) facilities are provided to cover for power failure – either by a permanently installed or mobile generator.
- d) access for tanker;
- e) at least one stand by pump is installed.

5.1 Failure at Reception Pit.

In the case of failure at the Reception Pit (A) during storm conditions the pumps serving the hardstanding washer system throughout the cattle market will automatically shut down via a signal from the telemetry system at the ETP. Incoming flows to the pit will be restricted to storm flows thus significantly reduce the pollutant loading arriving at the reception pit during failure conditions.

Minimum Reception Pit Capacity after alarm is triggered – E.A requirements:

Volume of Storm Flows only arriving at A in 390 mins = 150.7 m³ (clause 3.3 above)

Average Storm Flows = 150.7 m³ / 24 hrs = 6.3 m³/hr or 1.74 l/s.

Minimum Wet Well Capacity = 2 hrs storage @ $3PG + I + 3E$

$$\begin{aligned} &= 3 (0) (0) + (0) + 3 (1.74) \\ &= 5.22 \text{ l/s} \\ &= 18,792 \text{ l/hr} \\ &= 18.8 \text{ m}^3/\text{hr} \end{aligned}$$

2 hrs storage = 37.6 m³.

6.0 Flows arriving at the at Effluent Pumping Station.

The restaurant at the Mart has a capacity for seating 150 persons during each of the 3 sittings per day. From the 'Notes for Guidance of Applicant for Consent to Discharge' daily volumes of sewage discharge have been used in the following calculations from the table provided. For convenience part of the table has been repeated below.

Property	Per Capita Volume (litres per day)
Restaurant	25
Office	55

Restaurant: 150 persons x 3 sittings = 450 persons

DWF = 450 persons x 25 litres/hd/day = 11,250 l/day.

DWF = 11,250/24/3600 = 0.13 l/sec.

Office: 15 persons (max)

$$\text{DWF} = 15 \text{ persons} \times 55 \text{ litres/hd/day} = 825 \text{ l/day}$$

$$\text{DWF} = 825/24/360 = 0.0095 \text{ l/sec}$$

$$\text{Total DWF} = 0.13 + 0.0095 = 0.1395 \text{ l/s}$$

$$\text{Peak DWF} = 6 \times 0.1395 = 0.837 \text{ l/sec}$$

6.1 Failure at the Effluent Pumping Station.

In the case of failure at the effluent pumping station (G) the flow from the clarifier (E) will be shut down via an activated valve triggered by a signal from the telemetry system at the ETP. Incoming flows to well G will be restricted to dry weather flows from the restaurant and toilet facilities only.

Storage Requirements at the Effluent Pumping Station.

Minimum wet well capacity in accordance with the principles of the Environment Agency:

$$2 \text{ hrs storage @ } 3\text{PG} + \text{I} + 3\text{E}$$

$$\text{PG} = \text{Total DWF} = \text{DWF} = 0.1395 \text{ l/s (clause 5.0 above)}$$

$$= 3 \text{ DWF} + \text{I} + 3\text{E}$$

$$= 3 (0.1395) + (0) + 3 (0)$$

$$= 0.4185 \text{ l/s}$$

$$= 1506.6 \text{ l/hr}$$

$$= 1.507 \text{ m}^3/\text{hr}$$

$$2 \text{ hours storage} = 3.01 \text{ m}^3.$$

If the failure is restricted to the effluent pumping station (G) then the high float levels within the reception pit (A) will cause the separator feed pump to start and feed the balance tank. This flow will continue until the balance tank is full and then the overflow will operate back to the reception pit. At this point the balance tank level control will now function to shut off the separator

7.0 Conclusion..

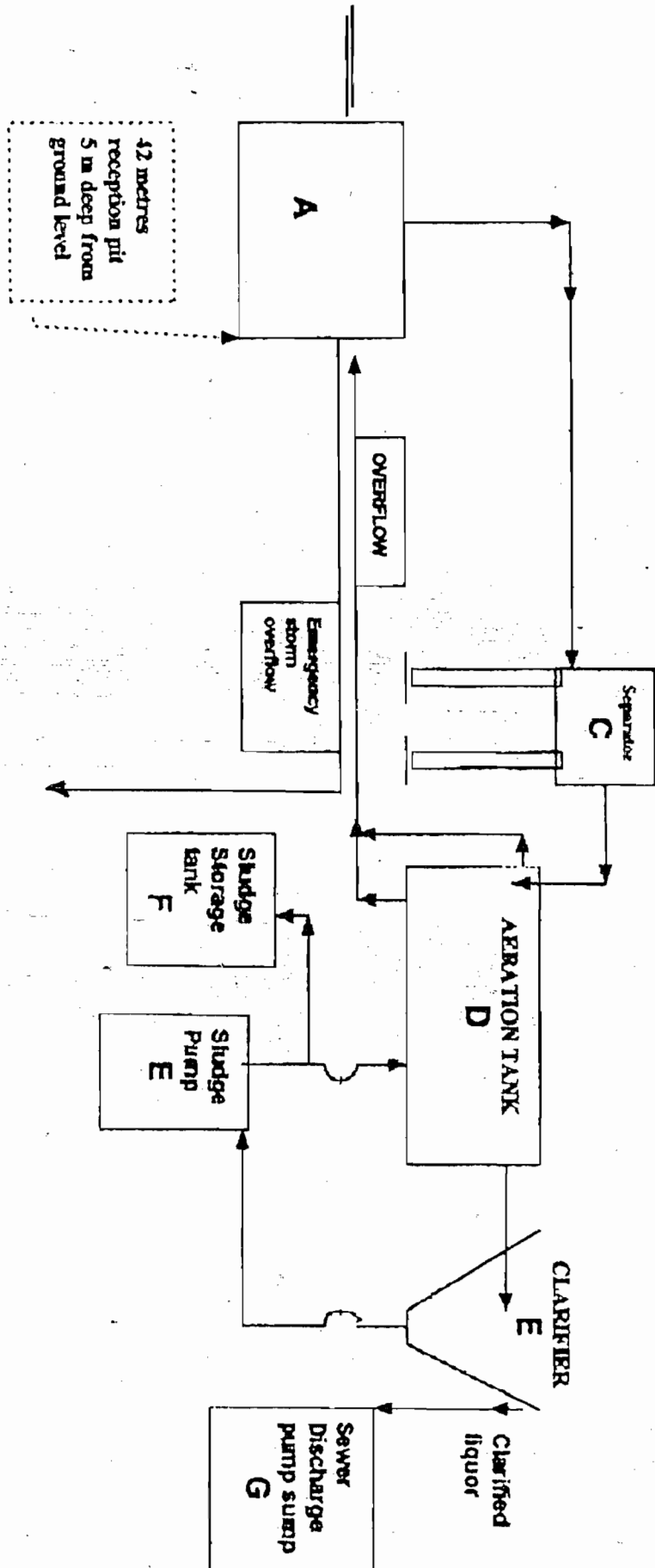
It is hoped that the above demonstrates that sufficient storage has been allowed for in the design of the effluent treatment system and that the Agency will approve the design on the following basis:

- On failure at the reception pit the pump washer system will be automatically shut down via a telemetry system.
- On failure at the effluent pumping station flows from the clarifier will be shut down via the telemetry system.
- minimum wet well capacity after alarm is triggered at reception pit (A) = 37.6 m³.
- minimum wet well capacity after alarm is triggered at effluent pumping station (G) = 3.01 m³.
- Full compliance with E.A. requirements itemised in clause 5.0 above.

Prepared by: Ken Phillips.

May 1999

Carmarthen Co Council Cattle Market Effluent Plant



Carier Pollution Control Ltd.
Proposal / illustrative only 22/1/99

Eich cyf/Your ref. BP0279801/JH/MEP

Ein cyf/Our ref.

Dyddiad/Date: As Postmark

Director of Operations
Carmarthenshire County Council
Parc Myrddin
Richmond Terrace
Carmarthen
SA31 1DS



ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Dear Sir,

RE: WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995) APPLICATION FOR CONSENT TO DISCHARGE TRADE EFFLUENT FROM PREMISES AT LLANLLWCH, CARMARTHEN. APPLICATION NO. BP0279801.

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 storm site drainage from Carmarthen Livestock Market Pumping Station.

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.

This consent does not supercede planning conditions requiring disposal of foul/contaminated site drainage to the public sewer. It is the responsibility of the consent holder to ensure that all necessary amendments to the existing planning consent are progressed before any discharge is made under the terms of this consent.

If you consider that the conditions imposed by the consent are unreasonable you have a right of appeal to the National Assembly for Wales, 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
Llys Afon, Hawthorn Rise, Hwlfordd, Sir Benfro. SA61 2BQ
Ffon: 01437 760081, Ffacs: 01437 760881

Environment Agency Wales
Llys Afon, Hawthorn Rise, Haverfordwest, Pembrokeshire. SA61 2BQ
Tel: 01437 760081, Fax: 01437 760881



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 Mr Alan Jones, Team Leader Environment Protection, Environment Agency, 'Plas Gwendraith', Heol Y Parc Mawr, Crosshands Business Park, Carmarthenshire, SA14 6RE.

Yours faithfully,



NIALL REYNOLDS
Environment Planning Manager

Enc.

CONSENT NO.	BP0279801
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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 Director of Operations
Carmarthenshire County Council
Parc Myrddin
Richmond Terrace
Carmarthen
SA31 1DS

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:

STORM SITE DRAINAGE

SITE DRAINAGE IN AN EMERGENCY

FROM: CARMARTHEN LIVESTOCK MARKET PUMPING STATION

AT: LLANLLWCH, CARMARTHEN

TO: THE NANT Y CI

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

STORM SITE DRAINAGE

Schedule BP0279801 01

SITE DRAINAGE IN AN EMERGENCY

Schedule BP0279801 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, altering this consent, without the agreement in writing of the consent holder, during a period of 4 years from the date this consent takes effect.

This consent is issued and takes effect on the 17 day of March 2000

Signed
Environment Planning Manager

CONSENT NO.	BP0279801
SCHEDULE NO.	BP0279801 01
DATE ISSUED	<i>17th March 2000</i>



**ASiantaeth Yr
Amgylchedd Cymru
Environment
Agency Wales**

CONDITIONS OF CONSENT TO DISCHARGE

STORM SITE DRAINAGE ("the Discharge")

FROM: CARMARTHEN LIVESTOCK MARKET

NATURE

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.
2. The Discharge shall consist solely of storm site drainage.

LOCATION

3. The Discharge shall be made in the manner and at the place specified as:
 - (a) discharging via a 450 millimetre diameter pipe;
 - (b) discharging to the Nant y Ci;
 - (c) at National Grid Reference SN 3772 1890;
 - (d) shown marked 'Consent Point' on Plan BP0279801 attached as Annex 1.

SAMPLE POINT

4. A sample point shall be provided and maintained at National Grid Reference SN 3782 1893 as shown marked 'Sampling Point' on Plan BP0279801, 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.	BP0279801
SCHEDULE NO.	BP0279801 01



**ASiantaeth Yr
Amgylchedd Cymru
Environment
Agency Wales**

VOLUME

5. The Discharge shall occur when, and only for as long as, the reception pit and storage capacity upstream is fully utilised and the rate of flow to the reception pit is in excess of;
 - (a) 22 litres per second during or within 24 hours proceeding livestock occupancy, or
 - (b) 6 litres per second at all other times
 due to rainfall and/or snowmelt.
6. The combined capacity of the reception pit and upstream surface water system shall be at least 76 cubic metres.

COMPOSITION

7.
 - (a) The Discharge shall have passed, without prior comminution or maceration, through a screening device having apertures no greater than 10 millimetres in one dimension.
 - (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

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

EVENT MONITOR/TELEMETRY

9.
 - (a) A 24 hour response telemetry alarm system shall be provided and maintained to provide a notification in the event of operation of the storm overflow.
 - (b) On request the consent holder shall supply the Agency with a written report on the operation of the combined sewer overflow.

CONSENT NO.	BP0279801
SCHEDULE NO.	BP0279801 01



**ASiantaeth Yr
Amgylchedd Cymru
Environment
Agency Wales**

RECORDING AND REPORTING

10. (a) A recording system shall be provided and maintained to record the frequency and duration of overflow events.
- (b) The Consent Holder shall supply the Agency with a report on the frequency and duration of overflow events cross-referenced with periods of livestock occupancy
 - i) monthly for the first 12 months, then
 - ii) 6 monthly thereafter or at such other frequency agreed in writing with the Agency.
- (c) The report shall detail the reasons for any premature operation of the overflow during or shortly after a market event and shall include an assessment of what measures are proposed to minimise such occurrences.

MONITORING

11. The consent holder shall carry out the monitoring programme as detailed in Annex 2 to this consent.

OTHER

12. The reception pit pump(s) shall be maintained in good working order, and at least one stand-by pump shall be provided and maintained.
13. Stand-by pump(s) shall activate should the duty pump(s) become inoperative for reasons other than power failure. The effluent treatment plant shall be maintained so that the pumps shall reactivate as soon as is practicable after power is restored following interruption to the supply.
14. A high level alarm will be provided to give warning of low reception pit capacity and will automatically activate an additional pump which will pump flows direct to the balance tank.

CONSENT NO.	BP0279801
SCHEDULE NO.	BP0279801 02
DATE ISSUED	<i>17th March 2000</i>



**ASiantaeth Yr
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES**

CONDITIONS OF CONSENT TO DISCHARGE

STORM SITE DRAINAGE IN AN EMERGENCY ("the Discharge")

FROM: CARMARTHEN LIVESTOCK MARKET

NATURE

1. The Discharge shall consist solely of storm site drainage in an emergency.
2. The Discharge shall occur only when
 - (a) the reception pit pumps and or the effluent pumping station are 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) blockage of the downstream sewer not due to the act or default of the consent holder, its agents, representatives, officers, employees or servants; and
 - (b) the reception pit and storage capacity upstream is fully utilised; and
 - (c) it is not reasonably practicable to otherwise dispose of the site drainage. 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 450 millimetre diameter pipe;
 - (b) discharging to the Nant y Ci;
 - (c) at National Grid Reference SN 3772 1890;
 - (d) shown marked 'Consent Point' on Plan BP0279801 attached as Annex 1.



CONSENT NO.	BP0279801
SCHEDULE NO.	BP0279801 02



**ASiantaeth Yr
Amgylchedd Cymru
Environment
Agency Wales**

SAMPLE POINT

4. A sample point shall be provided and maintained at National Grid Reference SN 3782 1893 as shown marked 'Sampling Point' on Plan BP0279801, 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, of at least 76m³ shall be provided in the reception pit and the upstream surface water system.

COMPOSITION

6.
 - (a) The Discharge shall have passed, without prior comminution or maceration, through a screening device having apertures no greater than 10 millimetres in one dimension(s).
 - (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.

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 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.
8. The consent holder shall agree emergency procedures in writing with the Agency for implementation by the plant operatives before the 1st of June 2000.



CONSENT NO.	BP0279801
SCHEDULE NO.	BP0279801 02



**ASiantaeth Yr
Amgylchedd Cymru
Environment
Agency Wales**

TELEMETRY

9. (a) A 24 hour response telemetry alarm system shall be provided and maintained to give notification of failure or breakdown of the reception pit pumps and/or the effluent pumping station.
 - (b) The consent holder shall take all reasonable remedial measures to return the pumps and/or pumping station to normal operation, as soon as practicable after warning of failure or breakdown.
 - (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 reception pit pumps and/or the effluent pumping station.
10. On request the consent holder shall supply the Agency with a written report on the operation of the emergency overflow.

OTHER

11. Facilities shall be provided so that a mobile stand-by generator may be readily installed at the effluent treatment plant in the event of electrical failure and the consent holder shall install and operate such a generator as soon as is practicable after an electrical failure.
12. The duty pump(s) for the reception pit shall be maintained in good working order, and at least one stand-by pump shall be provided and maintained.
13. Stand-by pump(s) shall activate automatically should the duty pump(s) become inoperative for reasons other than power failure. The reception pit pumps and effluent pumping station shall be maintained so that the pumps shall automatically reactivate immediately after the power is restored following interruption to the supply.
14. A tanker access facility at an appropriate location shall be provided and maintained to enable removal of the contents of the reception by tanker when necessary.
15. In the event of pump failure at the reception pit and/or the effluent pumping station the pumps serving the hardstanding washer system throughout the cattle market will automatically shut down via a signal from the telemetry alarm system

CONSENT NO.	BP0279801
SCHEDULE NO.	BP0279801 01



**ASiantaeth Yr
Amgylchedd Cymru
Environment
Agency Wales**

ANNEX 2

MONITORING PROGRAMME

1. Representative samples of the discharge shall be obtained for the first 3 storm spill events that occur during a livestock market day.
2. The samples shall be analysed at a NAMAS accredited laboratory for the following determinands;
 - (a) milligrammes per litre biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea),
 - (b) milligrammes per litre of ammoniacal nitrogen (expressed as N),
 - (c) milligrammes per litre of suspended solids (measured after drying at 105°C), and
 - (d) microgrammes per litre of propetamphos
 - (e) microgrammes per litre of diazinon,
 - (f) microgrammes per litre of chlorfenvinphos,
 - (g) microgrammes per litre of cypermethrin
 - (h) microgrammes per litre of flumethrin
 - (i) microgrammes per litre of cyfluthrin.
3. Analytical results shall be reported to the Agency within 7 days of notification by the laboratory.

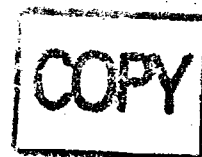
Water Resources Act 1991
as amended by the Environment Act 1995
Consent to Discharge
Certificate of Holder



**ENVIRONMENT
AGENCY**

Part A

To: BOB JONES PRYTHERCH & CO LTD
FAO MR E R JONES
ESTATE AGENTS & AUCTIONEERS
30 LAMMAS STREET CARMARTHEN



NB: For a body corporate the job title is a point of contact.
Holder Start Date: 01/05/00

The **Environment Agency** ("the Agency") hereby confirm that the above named person is a/the registered holder of consent BP027980101 Consent Issued: 17/03/00

Nature of Discharge(s); TSDR Trade - Site drainage (Contaminated S/W) - Rainfall
at SN3772018900 CARMARTHEN LIVESTOCK MARKET PS

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: BP027980101 Name: BOB JONES PRYTHERCH & CO LTD
Consent Issued: 17/03/00 Address: FAO MR E R JONES
ESTATE AGENTS & AUCTIONEERS
30 LAMMAS STREET CARMARTHEN

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:





Cyngor Sir

26 APR 2000

Caerfyrddin
Carmarthenshire
County Council

Gwasanaethu ein Cymuned / Serving our Community

John L. Rees, B.Sc., C.Eng., M.I.C.E., M.I.L.A.M., M.I.M.g.,
Cyfarwyddwr Gweithrediadau
Parc Myrddin, Waun Dew, Caerfyrddin,
Sir Caerfyrddin SA31 1DS

Director of Operations
Parc Myrddin, Richmond Terrace, Carmarthen,
Carmarthenshire SA31 1DS

☎ (01267) 228105
Ffacs / Fax : (01267) 228122

Eich cyf / Your ref :

Fy nghyf / My ref : IN/6500/KP

Dyddiad / Date :

18 April 2000

Gofynnwr am /

Please ask for :

Mr Ken Phillips

Llinell Uniongyrchol /

Direct Line :

01267 228167

Environment Agency Wales
Llys Afon,
Hawthorn Rise
Haverfordwest
Pembrokeshire
SA61 2BQ

FTAO: Niall Reynolds

Dear Sir,

RE: CHANGE OF NAME OF CONSENT HOLDER
CONSENT TO DISCHARGE TRADE EFFLUENT FROM PREMISES AT
LLANLLWCH, CARMARTHEN.
APPLICATION No. BP0279801

Further to the above consent being granted on the 17th March 2000, I wish to change the name of the consent holder. The new holder will be:-

Mr. E.A.R. Jones of:

Bob Jones-Prytherch & Co. Ltd
Estate Agents & Auctioneers
No. 30, Lammas Street
Carmarthen

If you require any further information please do not hesitate to contact Mr. K. Phillips of this Department on the above direct line.

Yours faithfully


J L REES

DIRECTOR OF OPERATIONS

acknowledged

NB transfer from 17-3-00 amended on WMS, but certificate not produced before new transfer. amended for new certificate to Bob Jones-Prytherch 1-5-00 BJR



ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Ein Cyf/Our ref: EP/WQ/C&C/RJC/S22 (TRANSFER)

Eich Cyf/Your ref: IN/6500/KP

Dyddiad/Date: 1 MAY 2000



CARMARTHENSHIRE COUNTY COUNCIL
DIRECTOR OF OPERATIONS
PARC MYRDDIN
RICHMOND TERRACE
CARMARTHEN
SA31 1DS

Dear Sir/Madam,

ACKNOWLEDGEMENT OF CONSENT TRANSFER

Thank you for notifying the Agency of the transfer of the following consent(s):

BPO279801 CARMARTHEN LIVESTOCK MARKET PS

We have amended our records accordingly and will issue a certificate to the new consent holder in due course.

Please do not hesitate to contact me should you have any queries regarding this matter.

Yours faithfully,

Becky Carrington
Register Officer

Roger Thomas/Rheolwr Cyffredinol Rhanbarthol / Regional General Manager
Asiantaeth yr Amgylchedd, Plas-yr-Afon, Parc Busnes Llaneirwg, Caerdydd, CF3 0LT
Ffôn: (01222) 770088, Ffacs: (01222) 798555
Environment Agency, Rivers House, St. Mellons Business Park, St. Mellons, Cardiff CF3 0LT
Tel: (01222) 770088, Fax (01222) 798555



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



**ENVIRONMENT
AGENCY**

Part A

To: BOB JONES PRYTHERCH & CO LTD
FAO MR E R JONES
ESTATE AGENTS & AUCTIONEERS
30 LAMMAS STREET CARMARTHEN

*please ask for
supporting documents*

NB: For a body corporate the job title is a point of contact.
Holder Start Date: 01/05/00

The **Environment Agency** ("the Agency") hereby confirm that the above named person is a/the registered holder of consent BP027980101 Consent Issued: 17/03/00

Nature of Discharge(s); TSDR Trade - Site drainage (Contaminated S/W) - Rainfall
at SN3772018900 CARMARTHEN LIVESTOCK MARKET PS

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:	BP027980101	Name:	BOB JONES PRYTHERCH & CO LTD
Consent Issued:	17/03/00	Address:	FAO MR E R JONES
			ESTATE AGENTS & AUCTIONEERS
			30 LAMMAS STREET CARMARTHEN

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:





Cyngor Sir
Caerfyrddin
Carmarthenshire
County Council

Gwasanaethu ein Cymuned / Serving our Community

26 APR 2000

John L. Rees, B.Sc., C.Eng., M.I.C.E., M.I.L.A.M., M.I.M.g.,
Cyfarwyddwr Gweithrediadau
Parc Myrddin, Waun Dew, Caerfyrddin,
Sir Caerfyrddin SA31 1DS
Director of Operations
Parc Myrddin, Richmond Terrace, Carmarthen,
Carmarthenshire SA31 1DS

☎ (01267) 228105
Ffacs / Fax : (01267) 228122

Eich cyf / Your ref :

Fy nghyf / My ref : IN/6500/KP

Dyddiad / Date :

18 April 2000

Gofynner am /

Please ask for :

Mr Ken Phillips

Llinell Uniongyrchol /

Direct Line :

01267 228167

Environment Agency Wales
Llys Afon,
Hawthorn Rise
Haverfordwest
Pembrokeshire
SA61 2BQ

FTAO: Niall Reynolds

Dear Sir,

RE: CHANGE OF NAME OF CONSENT HOLDER
CONSENT TO DISCHARGE TRADE EFFLUENT FROM PREMISES AT
LLANLLWCH, CARMARTHEN.
APPLICATION No. BP0279801

Further to the above consent being granted on the 17th March 2000, I wish to change the name of the consent holder. The new holder will be:-

Mr. E.A.R. Jones of:

Bob Jones-Prytherch & Co. Ltd
Estate Agents & Auctioneers
No. 30, Lammas Street
Carmarthen

If you require any further information please do not hesitate to contact Mr. K. Phillips of this Department on the above direct line.

Yours faithfully


J L REES

DIRECTOR OF OPERATIONS

acknowledged

*NB transfer from
7-3-00 amended
as WMS, but certificate
not produced before
new transfer.
amended for new
certificate to
Bob Jones-Prytherch
1-5-00
BWP*



ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Ein Cyf/Our ref: EP/WQ/C&C/RJC/S22 (TRANSFER)

Eich Cyf/Your ref: IN/6500/KP

Dyddiad/Date: 1 MAY 2000



CARMARTHENSHIRE COUNTY COUNCIL
DIRECTOR OF OPERATIONS
PARC MYRDDIN
RICHMOND TERRACE
CARMARTHEN
SA31 1DS

Dear Sir/Madam,

ACKNOWLEDGEMENT OF CONSENT TRANSFER

Thank you for notifying the Agency of the transfer of the following consent(s):

BP0279801 CARMARTHEN LIVESTOCK MARKET PS

We have amended our records accordingly and will issue a certificate to the new consent holder in due course.

Please do not hesitate to contact me should you have any queries regarding this matter.

Yours faithfully,

Becky Carrington
Register Officer

Roger Thomas/Rheolwr Cyffredinol Rhanbarthol / Regional General Manager
Asiantaeth yr Amgylchedd, Plas-yr-Afon, Parc Busnes Llanelwyr, Caerdydd, CF3 0LT
Ffôn: (01222) 770088, Ffacs: (01222) 798555
Environment Agency, Rivers House, St. Mellons Business Park, St. Mellons, Cardiff CF3 0LT
Tel: (01222) 770088, Fax (01222) 798555



To

Joy Hughes

CUSTOMER SATISFACTION Dept



ASiantaeth Yr
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Copy of CEC's letter dated 4.7.00

Re: Carmarthen Mart is attached for Public Register.

Bex Carrington has confirmed she has now issued Consent Holder
for Schedule BP027980102 to Bob Jones Prytherch.

with compliments

The Environment Agency Wales
Plas Gwendraeth, Heol Parc Mawr, Cross Hands Business Park, Cross Hands,
Llanelli, Carmarthenshire. SA14 6RE
Tel 01269 841523 Fax 01269 831704 Emergency out of hours (01222) 770088

Norman

22.9.00.



Cross Hands Business Park
Cross Hands
Llanelli SA14 6RE

FTAO: Norman Bunyan

Dear Sir,

RE: NEW CARMARTHEN MART.
APPLICATION No. BP0279801.

I refer to the above consent to discharge and in particular to the expiry of the agreement date for emergency procedures between the consent holder (new consent holder: Market operator - Bob Jones-Prytherch & Co.Ltd, Estate Agents & Auctioneers, Carmarthen) and the Agency.

Following various contractual delays to date, the main contractor has now appointed Carier Pollution Control Limited as sub-contractor for the design and build of the effluent treatment plant. An estimate of the detail design period and procurement of the works at this time would be in the region of between 20 - 25wks.

I have therefore requested that the market Operator contact you directly to discuss your requirements and to agree a revised date for agreement of the emergency procedures.

With respect to your recent suggestion that a bund could be constructed around the proposed effluent treatment plant and following submission of the contractors costs for this extra it is now likely that the client for the scheme will fund this option. The overflow to watercourse will however remain at the reception pit.

Yours faithfully


J L REES

DIRECTOR OF OPERATIONS





Cyngor Sir
Caerfyrddin
Carmarthenshire
County Council

Gwasanaethu ein Cymuned / Serving our Community

*John L. Rees, B.Sc., C.Eng., M.I.C.E., M.I.L.A.M., M.I.M.g.,
Cyfarwyddwr Gweithrediadau
Parc Myrddin, Waun Dew, Caerfyrddin,
Sir Caerfyrddin SA31 1DS*

*Director of Operations
Parc Myrddin, Richmond Terrace, Carmarthen,
Carmarthenshire SA31 1DS*

*☎ (01267) 228105
Ffacs / Fax : (01267) 228122*

Eich cyf / Your ref :

Fy nghyf / My ref : IN/6500/KP

Dyddiad / Date : 4 July 2000

Gofynner am /

Please ask for : Mr Ken Phillips

*Llinell Uniongyrchol /
Direct Line :*

01267 228167

Environment Agency Wales
Plas Gwendraeth
Heol Parc Mawr
Cross Hands Business Park
Cross Hands
Llanelli SA14 6RE

6 JUL 2000

FTAO: Norman Bunyan

Dear Sir,

RE: NEW CARMARTHEN MART.
APPLICATION No. BP0279801.

I refer to the above consent to discharge and in particular to the expiry of the agreement date for emergency procedures between the consent holder (new consent holder: Market operator - Bob Jones-Prytherch & Co.Ltd, Estate Agents & Auctioneers, Carmarthen) and the Agency.

Following various contractual delays to date, the main contractor has now appointed Carier Pollution Control Limited as sub-contractor for the design and build of the effluent treatment plant. An estimate of the detail design period and procurement of the works at this time would be in the region of between 20 - 25wks.

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With respect to your recent suggestion that a bund could be constructed around the proposed effluent treatment plant and following submission of the contractors costs for this extra it is now likely that the client for the scheme will fund this option. The overflow to watercourse will however remain at the reception pit.

Yours faithfully


J L REES

DIRECTOR OF OPERATIONS



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



**ENVIRONMENT
AGENCY**

Part A

To: BOB JONES PRYTHERCH & CO LTD
FAO MR E R JONES
ESTATE AGENTS & AUCTIONEERS
30 LAMMAS STREET CARMARTHEN



NB: For a body corporate the job title is a point of contact.

Holder Start Date: 01/05/00

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

BP027980102 Consent Issued: 17/03/00

Nature of Discharge(s): TSDE Trade - Site drainage (Contaminated S/W) - Emergency
at SN3772018900 CARMARTHEN LIVESTOCK MARKET PS

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:	BP027980102	Name:	BOB JONES PRYTHERCH & CO LTD
Consent Issued:	17/03/00	Address:	FAO MR E R JONES ESTATE AGENTS & AUCTIONEERS 30 LAMMAS STREET CARMARTHEN

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:

