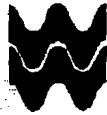


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FAO Susan Evans - Golden
FROM Ray James - Shanks



DŵR CYMRU
WELSH WATER

2006

SUSAN.

NOTICE OF DIRECTION FOR

Consent to include Sewage Treatment
As discussed

Mr. A. E. Price,
Plant Director,
Rechem International Ltd.,
Pontyfelin Industrial Estate,
New Road,
PONTYPOOL,
Gwent.
NP4 5DQ

Dyddiad/Date:
22nd February, 1996.

Ymholiadau/Enquiries:
Paul Thomson

Eiwr Cyl/Our Ref:
PT/GEM.

Eich Cyl/Your Ref:

Dear Mr. Price,

Re: Notice of Direction varying a Trade Effluent Consent

Following our recent meetings I have pleasure in enclosing our Company's notice of direction number SE/S/D203 which varies the conditions attached to your existing trade effluent consent and previous notices of direction. The conditions in this notice of direction will take effect from the 1st March, 1996.

Please acknowledge receipt of this notice of direction.

Yours sincerely,

Paul Thomson
TRADE EFFLUENT OFFICER

Encs:

Rhanbarth y De Ddwyrain Gwaith Trwm Ponthir Ponthir Ger Casnewydd Gwent NP6 1PG
Eifon: Casnewydd (0633) 430110 Teleffax: (0633) 421693

South Eastern Division Ponthir Treatment Works Ponthir Near Newport Gwent NP6 1PG
Tel: Newport (0633) 430110 Telefax: (0633) 421693

Dŵr Cymru Cyl, cwmni cyhoeddus yn R17 gyfnewid ym 21/06/77. Lle a grŵp cwmnïau Welsh Water PLC.
Systéllo Cefnwrdd: Plas y Ffynnon Ffordd Gomerle Abertaweke Porth LDU THF

Dŵr Cymru Cyl, a limited company registered in Wales No 2166777. One of the Welsh Water PLC group of companies.
Registered Office: Plas y Ffynnon, Cambrian Way Brecon Powys LD3 7HP

Direction No. SE/S/D203

**DWR CYMRU CYFYNGEDIG
WATER INDUSTRY ACT 1991
TO DISCHARGE TRADE EFFLUENT INTO A PUBLIC SEWER**

To: Rechem International Limited, Astor House, Station Road, Bourne End,
Buckinghamshire, SL8 5YP

- (1) A Consent ("the Consent") to discharge trade effluent into the public sewer subject to conditions was issued by DWR CYMRU CYFYNGEDIG ("the Undertaker") (or its predecessors) on the seventh day of November 1986 from trade premises at Pontyfelin Industrial Estate, New Road, Panteg, Pontypool, Gwent, NP4 5DQ.
- (2) Notices of Direction ("the previous Directions") were given in respect of the said discharge on the tenth day of March 1987 and on the twenty eighth day of May 1993 by the Undertaker.
- (3) Except in so far as they are varied by this direction the conditions and provisions of the Consent (and the previous Directions) shall remain in force and shall apply to the discharge.

The Undertaker hereby gives Notice of its Direction that the conditions attached to the Consent (as varied by the previous Directions) shall be further varied with effect from the first day of March 1996 by:-

- (i) the revocation of the conditions in the Consent, previous Directions, and Appendices attached thereto, and
- (ii) the substitution for those conditions of the following conditions and Schedules.

DWR CYMRU CYFINGEDIG ("the Undertaker") in the exercise of its powers under Section 121 of the Water Industry Act 1991, and thinking it fit to impose conditions as hereinafter appear, **GIVES ITS CONSENT** to the discharge of trade effluent from the said trade premises into the Undertakers' public sewers, **SUBJECT TO THE FOLLOWING CONDITIONS AND NOT OTHERWISE.**

- (1) The public sewer(s) into which the trade effluent may be discharged is/are the Eastern Valley Trunk sewer more particularly identified by means of a line coloured RED drawn on the plan attached hereto and marked "B".
- (2) The discharge of trade effluent shall be made at the point marked "X" on the said plan and the said trade effluent shall enter into the public sewer shown on the said plan at the point "Y" thereon and not otherwise. Further, no connection, linkage, conduit, pipe, channel or other communication whatsoever shall be made to the sewer between the points "X" and "Y" without the prior approval in writing of the Undertaker.
- (3) The trade effluent to be discharged shall consist solely of that which was specified in the Trade Effluent Notice or application to discharge in respect of which the Consent and previous Directions were given as varied by any application made for the purpose of this Direction and derived from the operation of a high temperature incineration plant (HMIP Authorisation ref. AG7946 as amended from time to time).
*
Included surface water
- (4) Without prejudice to condition 3 above, the nature and/or composition of the trade effluent which may be discharged is as specified in the FIRST SCHEDULE hereto.
- (5) The trade effluent shall not include any of the substances or properties listed in the SECOND SCHEDULE hereto in concentration greater than stated therein.
- (6) The maximum quantity of trade effluent discharged on any day (being any continuous period of 24 hours) shall not exceed 800 cubic metres.
- (7) The highest rate at which trade effluent may be discharged shall not exceed 100 cubic metres per hour.
- (8) There shall be no restriction on the hours of the day during which trade effluent may be discharged into the public sewer.
- (9) No uncontaminated condensing water shall be discharged.
- (10) There shall be eliminated from the trade effluent before it is discharged the matters listed below:
 - (a) Effluent with a temperature in excess of 43 degrees Celsius (110 degrees Fahrenheit);
 - (b) Calcium Carbide;

- (c) Petroleum Spirit within the meaning of Section 111 of the Water Industry Act 1991 and/or the Petroleum Act 1928, save as otherwise permitted herein;
- (d) Other materials forming a constituent of the trade effluent, whether alone or in combination with other materials, specified hereby as that which is explosive;
- (e) Any other substance forming a constituent of the trade effluent which is hereby specified as that which is likely to injure the sewers or to interfere with the free flow of their contents or to affect prejudicially the treatment and disposal of their contents;
- (f) Any other substance forming a constituent of the trade effluent which is hereby specified as that which in its pure state or in state or in combination with other materials in the contents of the sewer(s) ("the sewage") is capable of producing toxic or flammable vapours.
- (11) No trade effluent shall be discharged the pH value of which is less than 7.0 or greater than 11.5.
- (12) No trade effluent shall be discharged the nature or composition of which includes a matter, substance, property or matters, substances or properties which would constitute the trade effluent as Special Category Effluent within the meaning of Section 138 of the Water Industry Act 1991.
- (13) The Occupier shall give to the Undertaker prior written notice of any change in the process of manufacture, materials, or other circumstances howsoever arising capable of altering the nature and/or composition of the trade effluent. No new substances or properties shall be discharged until the Undertaker has agreed thereto, either with or without imposing a limit and thereafter the said substance(s) and/or property(ies) shall be deemed incorporated into the SECOND SCHEDULE.
- (14) An inspection chamber or manhole shall be provided and maintained by the Occupier in a suitable position and/or at the point(s) marked "X" on the plan annexed hereto in connection with each pipe through which the trade effluent is discharged and such inspection chamber or manhole shall be constructed and maintained in accordance with the Undertakers' reasonable requirements as from time to time notified in writing to the Occupier so as to enable a person readily at any time to take samples of the trade effluent being discharged.
- (15) A notch gauge, continuous recorder or some other apparatus suitable and adequate to the Undertaker for measuring and automatically recording the volume and rate of trade effluent so discharged shall be provided, such apparatus to be tested and maintained in accordance with the Undertaker's reasonable requirements as from time to time notified in writing to the Occupier.
- (16) Apparatus capable of accurately determining, measuring, and recording the nature and/or composition of the trade effluent discharged shall be provided, such apparatus to be tested and maintained in accordance with the Undertaker's reasonable requirements as from time to time notified in writing to the Occupier.

- (17) The Occupier shall keep records of the volume, rate, nature and/or composition of the trade effluent discharged into the sewer(s) at all times available for inspection by any authorised officer of the Undertaker and copies of such records shall be sent to the Undertaker on demand.
- (18) (a) The Occupier shall pay to the Undertaker charges for the reception, conveyance, treatment and disposal of the trade effluent and the costs of sampling, measuring and/or analysis of the same under the Undertaker's trade effluent functions, which charges shall be determined as set out below, and all sums payable under this condition shall be payable upon demand;
- (b) The charges under (a) above shall be calculated in accordance with the Undertaker's Scheme of Charges as from time to time amended;
- (c) For the avoidance of doubt, the charge shall be payable by any person who is or was the Occupier of the said trade premises during the period of discharge of the trade effluent or at the time payment is due.
- (19) If the notch gauge, meter, recorder or other apparatus ceases to record or is suspected of not recording and/or measuring accurately, the quantity of trade effluent discharged into the sewer(s) during the period from the date and/or time at which the records were last accepted by the Undertaker as being correct up to the date when the notch gauge, meter, recorder or other apparatus again registers accurately shall, unless some other method of determining the volume of trade effluent is mutually agreed, for the purpose of any payment to be made under these conditions be based on the average daily volume of trade effluent discharged during the preceding period over which the records were last accepted by the Undertaker as being accurate or during the month immediately after the notch gauge, meter, recorder or other apparatus or means of measurement and recording has been accurate whichever is the higher.

YOUR RIGHT OF APPEAL

Section 126 of the Water Industry Act 1991 provides that:-

The owner or occupier of any trade premises may within 2 months of this Notice of Direction (or with the written permission of the Director General of Water Services at any later time) appeal to the Director against the Direction.

The Director has the power to annul the Direction and to substitute for it any other Direction whether more or less favourable to the appellant.

The address of the Director for the purposes of an appeal is "City Centre Tower, 7 Hill Street, Birmingham, B5 4UA".

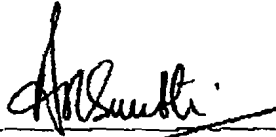
FAILURE TO COMPLY WITH CONDITIONS

If in the case of any trade premises a condition is contravened, the Occupier of the premises will be guilty of an offence and liable on conviction by a Magistrates' Court to a fine not exceeding the statutory maximum or on conviction by the Crown Court to an unlimited fine.

DATED:

Twenty second day of February 1996

For and on behalf of the Company



A.R. Smith,
Process Control Manager.

Dwr Cymru Cyfyngedig,
South Eastern Division,
Ponhir Treatment Works,
Ponhir,
near Newport,
Gwent,
NP6 1PG.

Direction SE/S/D203

FIRST SCHEDULE

The trade effluent to be discharged shall be of a nature and composition advised by the Company to the Undertaker.

The nature and composition of the trade effluent may include substances, compounds and elements deriving from the processing of wastes of:-

acetaldehyde and associated substances or compounds,
commercial gas oil and recovered oil,
special liquids (as referred to in the HMIP Authorisation),
acidic special liquids,
bulk residues and wastes,
transformers, capacitors, liquid and solid wastes containing
polychlorinated biphenyls, polychlorinated dibenzo-p-dioxins,
polychlorinated dibenzofurans (PCB's, PCDD's and PCDF's),
petroleum and petroleum-based liquids and
drummed liquid and solid wastes;

together with water containing such elements, compounds, substances and organisms as may normally be present in water at trace or harmless levels.

Direction SE/S/D203

SECOND SCHEDULE

- 1 Toxic metals and their compounds shall not exceed the following concentrations (expressed as milligrams per litre of the metal):-

	Total Soluble and Insoluble Compounds
Arsenic	1.0 mg/l
Chromium	0.75 mg/l
Copper	3.0 mg/l
Lead	3.0 mg/l
Nickel	0.75 mg/l
Zinc	3.0 mg/l

- 2 Cyanide and compounds which produce hydrogen cyanide upon acidification shall not exceed 5.0 milligrams per litre (expressed as CN).
- 3 Sulphide and compounds which produce hydrogen sulphide upon acidification shall not exceed 5.0 milligrams per litre (expressed as S).
- 4 Free or emulsified Oil and Grease shall not exceed 100 milligrams per litre.
- 5 Sulphate shall not exceed 5000 milligrams per litre (expressed as SO₄).
- 6 Total Suspended Solids of the trade effluent shall not exceed 500 milligrams per litre.
- 7 The Chemical Oxygen Demand of the trade effluent after one hour quiescent settlement (settled COD) shall not exceed 1000 milligrams per litre.
- 8 Total phenols in the trade effluent shall not exceed 10.0 milligrams per litre (expressed as phenol).
- 9 Conditions relating to Prescribed Substances:-

Cadmium (as Cd)	0.125mg/l
Mercury (as Hg)	0.075mg/l
Polychlorinated biphenyls	0.003mg/l
Hexachlorobenzene	0.0005mg/l
Pentachlorophenol (and its compounds)	0.005mg/l
Hexachlorobutadiene	0.0015mg/l

In addition to the above conditions which apply to a Spot or Instantaneous sample taken at the agreed sampling point, which is the "V-notch" outlet of the flow measurement tank, the trade effluent will be subject to the following load based conditions. The load will be determined by means of a composite sample taken using flow proportional sampling equipment provided and maintained by the discharger as required by this Notice of Direction. The load will be calculated as the product of the concentration of any element, compound, substance or other determinand analysed for by the Undertaker (or its agents) and the total volume of effluent discharged in the period for which the composite sample applies as measured by the flow measurement equipment provided by the discharger for that purpose unless agreed otherwise in writing with the Undertaker. Any composite sample will be required to comply with the concentration conditions above.

- 10 Total suspended solids of the trade effluent shall not exceed 1750 kilograms per week.
- 11 Total phenols in the trade effluent shall not exceed 14.0 kilograms per week (expressed as phenol).
- 12 Toxic metals and their compounds shall not exceed the following loadings (expressed as kilograms per week of the metal):-

Total Soluble and Insoluble Compounds

Arsenic	4.00 Kg/week
Chromium	2.50 Kg/week
Copper	6.00 Kg/week
Lead	6.00 Kg/week
Nickel	2.50 Kg/week
Zinc	10.0 Kg/week.

- 13 Conditions relating to Prescribed Substances:-

Cadmium (as Cd)	100 g/week
Mercury (as Hg)	70 g/week
Polychlorinated biphenyls	3.0 g/week
Hexachlorobenzene	0.3 g/week
Pentachlorophenol (and its compounds)	5.0 g/week
Hexachlorobutadiene	0.7 g/week.

- 14 Where not specifically mentioned in this schedule to Notice of Direction SE/S/D203 no substance compound or element which is a prescribed substance or process for the purposes of Section 138(1) of the Water Industry Act 1991 or any amendment or re-enactment of the same shall be discharged in quantities greater than background concentrations as defined in the Trade Effluents (Prescribed Processes and Substances) Regulations 1989 SI number 1156 or as permitted by HMIP Authorisation Number AG7946 as amended from time to time.

