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CONSENT NO.

DWR CYMRU - WELSH WATER

WATER INDUSTRY ACT 1991

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CONSENT TO THE DISCHARGE OF TRADE EFFLUENT  
TO THE PUBLIC FOUL WATER SEWER.

(Traders having the benefit of primary/secondary treatment)

To: KRONOSPAN LIMITED

(1)  
hereinafter called "the Occupiers" whose registered office is  
situate at Maesgwyn Farm, CHIRK, Clwyd. LL14 5NT are the  
occupiers of the trade premises hereinafter described.

(2) On the 22ND day of SEPTEMBER 1992 a Trade Effluent  
Notice was, in pursuance of the provisions of the Water  
Industry Act 1991 served by the Occupiers on the Dwr Cymru  
Welsh Water (hereinafter called "the Company") in respect of  
the trade premises known as Kronospan Limited  
and situate at CHIRK, Nr. Wrexham, Clwyd. LL14 5NT  
and as the same are for the purpose  
of identification only shown on the location plan attached  
hereto and marked 'A' (hereinafter called "the said trade  
premises") the Company HEREBY CONSENTS to the discharge of  
trade effluent from the said trade premises into the public  
foul water sewers subject to the following conditions and not  
otherwise:

The Sewer

1. The public sewer(s) into which the trade effluent may  
be discharged is the 300 mm diameter foul water sewer  
more particularly identified by means of a line(s)  
coloured red drawn on the said plan attached hereto  
and marked 'B' and the said discharge shall be made at  
the point marked 'X' on the said plan.
2. The trade effluent to be discharged shall consist  
solely of waste waters specified in the said Trade  
Effluent Notice and derived from the manufacture of  
chipboard and medium high density fibreboard.



Maximum volume of discharge

3. The maximum volume of trade effluent to be discharged on any one day of 24 hours shall not exceed 75 cubic metres.

Maximum rate of discharge

4. The highest rate at which the trade effluent may be discharged shall not exceed 3.5 cubic metres per hour.

Period of discharge.

5. The trade effluent shall only be discharged into the public sewer(s) from / hours to / hours.

Chemical and biochemical conditions of acceptance.

6. There shall be eliminated from the trade effluent before it is discharged to the sewer the matters listed below :-
- (a) Effluents with a temperature in excess of 43<sup>o</sup> Centigrade (110<sup>o</sup> Fahrenheit)
  - (b) Calcium carbide
  - (c) Petroleum spirit.

Inflammable solvent, vapours etc.

7. There shall be excluded from the discharge of trade effluent any substance which in its pure state or in combination with other materials in the sewage would produce flammable or toxic vapours.
8. No uncontaminated condensing or cooling water shall be discharged to the public sewer.
9. The trade effluent shall not include any of the substances or properties listed in the Appendix in concentration greater than those stated.
10. The trade effluent shall not contain any other matter likely to injure the sewers either alone or in combination with the contents of the sewers or interfere with the free flow of their contents or affect prejudicially the treatment and disposal of their contents.
11. There shall be provided and maintained by the Occupier in connection with each pipe through which only trade effluent is discharged to the public sewer :-
- (i) An inspection chamber or manhole such as will enable a person readily to take at any time samples of the trade effluent being discharged.



- (ii) A notch gauge and continuous recorder or some other apparatus suitable and adequate to the Company for measuring and automatically recording the volume and rate of trade effluent so discharged.
  - (iii) Apparatus capable of accurately determining and recording the nature and composition of the trade effluent discharged.
12. If the notch gauge and the recorder or other apparatus ceases to record or is suspected of not measuring or recording correctly, the quantity of trade effluent discharged on each day into the public foul water sewer during the period from the date on which the records of the volume of trade effluent discharged into the public foul water sewer were last accepted by the Company as being correct up to the date when the gauge and recorder or other apparatus again registers correctly, shall unless otherwise agreed by the Company be deemed to be the same quantity as the average daily volume of trade effluent discharged during the period of one month preceding the date on which the said records were last accepted as aforesaid or during the month immediately after the gauge and recorder or other apparatus has been corrected, whichever is the higher.
13. Records shall be kept of the volume, rate, nature and composition of the trade effluent discharged into the sewer available at all times for inspection by any authorised officer of the Company and copies of such records shall be sent to the Company on demand.
14. The Company shall be notified forthwith in writing of any changes in conditions which are likely to alter the nature or composition of the effluent.

Payment of Charges.

15. (a)(i) Payment for the treatment and disposal of the trade effluent shall be made to the Company by way of charges determined in accordance with statutory provisions relating to them. The charges shall be paid at rates per cubic metre of the trade effluent to which it relates by any person who is or was the occupier of premises during the period of discharge of the trade effluent or at the date payment is due.
- (ii) Payment for the treatment and disposal of the trade effluent shall be on demand and made at such intervals and in respect of such period or periods as the Company by resolution may determine.



- (b) (i) The charge per cubic metre of trade effluent will be calculated in accordance with the following formula :-

$$\cancel{C = R + V + \frac{St}{Ss}} \\ C = R + V + \frac{V}{B} + \frac{Ot}{Os} B + \frac{St}{Ss}$$

Where - C = Total charge per cubic metre of trade effluent

R = The amount determined by the Company as the average cost to the Company for the year of charge of receiving one cubic metre of sewage (other than surface water) into its sewers and conveying the same to its treatment works or outfalls.

V = The amount determined by the Company as the average cost to the Company for the year of charge of preliminary and primary treatment of one cubic metre of sewage at the Company's treatment works.

$\frac{V}{B}$  = The amount determined by the Company as the average cost to the Company for the year of charge of the pumping and settlement elements of biological treatment of one cubic metre of sewage at the Company's treatment works.

B = The amount determined by the Company as the average cost to the Company for the year of charge of biological treatment, excluding pumping and settlement, of one cubic metre of sewage at the Company's treatment works.

S = The amount determined by the Company as the average cost to the Company for the year of charge of the treatment and disposal of primary sludge per cubic metre of sewage at the Company's large sewage treatment works.

Ot = The Chemical Oxygen Demand in milligrams per litre of the trade effluent after one hour quiescent settlement.

Os = The average Chemical Oxygen Demand in milligrams per litre of settled sewage treated at the Company's large works.

St = The suspended solids in milligrams per litre of the trade effluent.

Ss = The average suspended solids in milligrams per litre of sewage received at the Company's large works.

(ii) Providing that the total annual charge to the occupiers of the premises based on the formula contained in (b)(i) above does not exceed one hundred pounds then the occupiers shall be charged such Annual Minimum Charge as the Company by resolution may determine.

16. Any breach of any of the conditions herein contained shall be a contravention of a direction or condition for the purposes of sub-section (5) of Section 121 of the Water Industry Act 1991.

DATED *THIRTIETH* ..... day of *SEPTEMBER* ..... 199*2*...

For and on behalf of the Company

*Thomas P. Lowdary*  
.....  
Designation - Divisional Scientist

Address of District -

Dwr Cymru - Welsh Water,  
Northern Division (Eastern Area),  
Allt-y-Ffynnon,  
Alltami Road, Alltami, MOLD, Clwyd. CH7 6HD.

NOTE

Your attention is drawn to Section 122 of the Water Industry Act 1991 which gives you a right of Appeal to the Director General of Water Services.



A P P E N D I X

1. The trade effluent shall have a pH value of not less than 5 nor greater than 10 at the point of entry into the sewer.
2. Toxic metals and their compounds shall not exceed the following concentrations (expressed as milligrams per litre of the metal) :-

	<u>Soluble</u> <u>Compounds</u>	<u>Total Soluble</u> <u>and Insoluble</u> <u>Compounds</u>
Cadmium		
Mercury		
Antimony		
Arsenic		
Beryllium		
Chromium		
Cobalt		
Copper		
Lead		
Molybdenum		
Nickel		
Selenium		
Silver		
Tin		
Titanium		
Vanadium		
Zinc		

3. Cyanide and compounds which produce hydrogen cyanide upon acidification shall not exceed 1 milligram per litre (expressed as CN).
4. Sulphide and compounds which produce hydrogen sulphide upon acidification shall not exceed 2 milligrams per litre (expressed as S).
5. Free or emulsified grease or oil shall not exceed 300 milligrams per litre.

6. Sulphate shall not exceed 1000 milligrams per litre (expressed as  $\text{SO}_4$ )
7. Total suspended solids of the trade effluent shall not exceed 600 milligrams per litre.
8. The chemical oxygen demand of the trade effluent after one hour quiescent settlement shall not exceed 1500 milligrams per litre.
9. Special conditions (if any):  
  
CHLORIDE shall not exceed 5000 milligrams per litre.  
(Expressed as  $\text{Cl}^-$ )  
  
FORMALDEHYDE shall not exceed 4 milligrams per litre.  
(Expressed at  $\text{HCHO}$ )
10. HMIP Conditions relating to Prescribed Substances.



DWR CYMRU CYFYNGEDIG

WATER INDUSTRY ACT 1991

TRADE EFFLUENT NOTICE

To: Trade Effluent Officer  
Welsh Water  
Allt-y-Ffynnon  
Alltami  
Mold  
Clwyd.

I/We the undersigned having lodged with you preliminary particulars dated the 11<sup>th</sup> day of August 1992 regarding trade effluent which it is desired to discharge from trade premises known as KRONOSPAN LTD, CHIRK HEREBY give you this formal notice which is intended to operate as a Trade Effluent Notice under the above Act of my/our wish to discharge the trade effluent in the terms of the said preliminary particulars. The discharge will commence/ commenced on the 22<sup>nd</sup> day of SEPTEMBER 1992

DATED this 22<sup>nd</sup> day of SEPTEMBER 1992

Signed [Signature] S.P. TOWLE

Address .....

KRONOSPAN LTD

CHIRK

WREXHAM

CLWYD LL14 5NT