



 a United Utilities company

CLRC
Rutherford Appleton Laboratory
Chilton Dicot
Oxfordshire OX11 0QX

North West Water Limited
Asset Management
Asset Strategy – Trade Effluent
Lingley Mere
Lingley Green Avenue
Great Sankey
Warrington WA5 3LP
Telephone:
Facsimile: 01925 463886

FAO The Company Secretary

Your ref:
Our ref:

Date: 18 December 2000

Dear Sir

TRADE EFFLUENT – WATER INDUSTRY ACT 1991 - Daresbury Laboratory
Keckwick Lane Warrington WA4 4AD

Further to your TRADE EFFLUENT NOTICE dated 22 November 2000,

I enclose your CONSENT TO THE DISCHARGE OF TRADE EFFLUENT.

This document is issued by virtue of Statutory Powers granted by the Water Industry Act 1991 and as such a “true copy” has now been placed on public record. The Consent to Discharge relates solely to the trade effluent described in your Trade Effluent Notice and you must notify North West Water Ltd of:

- a) any proposed changes to the nature and composition of the effluent;
- b) any proposed changes to the rate of discharge and/or daily volume;
- c) any proposed change of name of your Company (or trading name);
- d) permanent termination of the discharge.

The conditions laid down in the Consent are the only conditions under which North West Water Ltd will undertake to receive your effluent into the foul sewer. Any failure to comply with such conditions is an offence under the Water Industry Act 1991.

In respect of clause 10a) of the Consent, I understand that representative samples of the trade effluent may be obtained from the **neutralising tank**. You should note that officers designated in writing by North West Water Ltd shall have right of safe access at all reasonable hours without notice for the purpose of obtaining a sample of trade effluent.

This matter is being dealt with by: A Wall 01925 463811



Awarded for excellence



INVESTOR IN PEOPLE

Registered in England and Wales: Registered No. 2366678.
Registered Office: PO Box 14, 410 Birchwood Boulevard,
Birchwood, Warrington WA3 7GA.

9/5027-7/99

The volume of trade effluent can be determined by deducting from the total water intake from all sources into the factory, allowances for;

1. domestic use of 7332 m³ per year (520 Employees x 60 litres per person x 5 days per week x 47 weeks per year)

An additional allowance for visitors is calculated as follows

1.80 visitors at 60 litres per person per day, 7 days per week for 48 weeks per year

Total volume charged as Measured Sewerage Charge = 10961 m³ per year

The balance of water remaining will be regarded as trade effluent.

It will not be necessary for you to install additional apparatus to measure the trade effluent as required by clause 10b) of the Consent. If circumstances change I will write to you again revoking this exemption.

The domestic allowance will be used as the volume chargeable for measured sewerage charges. You must inform us of any changes, and any alteration to the estimated volume of domestic sewage will take effect (for billing purposes) from the date on which we are informed of such changes.

Yours faithfully



BUSINESS MANAGER

This matter is being dealt with by: A Wall 01925 463811



WATER INDUSTRY ACT 1991

CONSENT TO THE DISCHARGE OF TRADE EFFLUENT

Whereas CLRC

(hereinafter called "the Trader" whose Head Office or Registered Office is at

Rutherford Appleton Laboratory Chilton Dicot Oxfordshire OX11 0QX

Is the owner/occupier of the trade premises at:

Daresbury Laboratory

Keckwick Lane

Warrington WA4 4AD

and by the Trade Effluent Notice dated 22 November 2000

Have applied to NORTH WEST WATER LTD (hereinafter called "the Company") for consent to discharge trade effluent from the said trade premises into the sewers.

Under the provisions of the above mentioned Act the discharge of trade effluent in accordance with the said Trade Effluent Notice would not be lawful without the consent of the Company.

NOW THEREFORE in exercise of the powers conferred upon them by the above Act the Company HEREBY CONSENT to the discharge of trade effluent by the Trader from the said premises into their sewers SUBJECT TO THE FOLLOWING CONDITIONS:

**Nature of
discharge**

- 1(a) Subject to the provisions of conditions 6,7,8 and 9 below the nature or composition of the trade effluent to be discharged under this Consent shall be solely as specified in the said Trade Effluent Notice and shall consist solely of waste water derived from science research**
- 1(b) The Trader shall give to the Company prior written notice of any change in the process or the process materials or any other circumstances likely to alter the constituents of the trade effluent as set out in condition 1(a). In such circumstances, no substance of which the Company has not had previous notice, may be discharged unless and until the Company has agreed to accept the substance at a limit imposed by the Company which shall then be deemed to be incorporated in this Consent by agreement and shall not prejudice the right of the Company to serve a Direction earlier than two years from the date of such incorporation.**

The Trader shall also give not less than seven days written notice to the Company of any change in the name of the occupier or owner.

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| Sewer affected | 2. The sewer into which the trade effluent may be discharged and the point of discharge is the foul sewer situate at Keckwick Lane . |
| Connections | 3. No connections shall be made to the said sewer without the prior approval of the Company and all such connections shall be constructed and maintained to the satisfaction of the Company at the expense of the Trader |
| Maximum volume of discharge | 4. The maximum amount of the trade effluent discharged in any one day of twenty four hours shall not exceed 47.06 m³ without prior written consent of the Company. |
| Maximum rate of discharge | 5. The highest rate at which the trade effluent may be discharged shall not exceed 10 litre/sec. |
| Matters to be eliminated prior to discharge to sewers | 6. The following matters shall be eliminated from the trade effluent before it is discharged into the sewers of the Company: <ul style="list-style-type: none">a) Petroleum spirit;b) Calcium carbide;c) Carbon disulphided) Except as provided in paragraph 7 hereof, the prescribed substances listed in Schedule 1 to The Trade Effluents (Prescribed Processes and Substances) Regulations 1989, as amended from time to time, insofar as they are present at a concentration greater than the background concentration (as defined in the said Regulations);e) Where the trade effluent derives from a <u>prescribed process</u> mentioned in Schedule 2 to the said Regulations, and except as provided in paragraph 7 hereof, asbestos (as defined in the said Regulations) and chloroform in concentration greater than the background concentration (as defined in the said Regulations);f) Organo-halogen compounds including pesticide residues and degreasing agents;g) any substance which either alone or in combination with each other or with any other matter lawfully present in the said sewers would be likely to;<ul style="list-style-type: none">i) cause a nuisance or produce flammable, harmful or toxic vapours either in the sewers or at the sewage works of the Company;ii) injure the sewers or interfere with the free flow of their contents or affect prejudicially the treatment and disposal of their contents or have injurious effects on the sewage treatment works to which it is conveyed or upon any treatment plant there;iii) be dangerous to or cause injury to any person working in the sewers or at the sewage treatment works;iv) affect prejudicially any watercourse, estuary or coastal water into which the treated effluent will eventually be discharged. |

Matter to be limited prior to discharge to the sewer	7. The trade effluent shall not contain a) Sulphides, hydrosulphides, polysulphides and substances producing hydrogen sulphide on acidification in excess of 1 mg/l b) Separable grease and oil in excess of 100 mg/l c) Sulphates as SO₄ in excess of 1000 mg/l d) Toxic metals in excess of 10 mg/l either individually or in total ie Antimony, Beryllium, Chromium, Copper, Lead, Nickel, Selenium, Silver, Tin, Vanadium, Zinc e) Cyanides and cyanogen compounds which produce hydrogen cyanide on acidification in excess of 1 mg/l
Temperature	8. No trade effluent shall be discharged which has a temperature higher than 43.3⁰C (110⁰F)
pH value	9. No trade effluent shall be discharged having a pH of less than 6 or greater than 10
Inspection chamber	10a) An inspection chamber or manhole shall be provided and maintained by the Trader in a suitable position in connection with each pipe through which the trade effluent is discharged and shall be so constructed and maintained as to enable a person readily to obtain at any time samples of the trade effluent so discharged, to the approval of the Company
Measurement of the discharge	b) Suitable apparatus for measuring and automatically recording the volume and composition of trade effluent discharged shall be provided and maintained in working order by the Trader in connection with every such pipe, unless otherwise exempted in writing by the Company. c) If the measuring and recording apparatus aforesaid ceases to function satisfactorily, then the Company shall have the right to make estimates of the volume and composition of the trade effluent until such time as the said apparatus is again operating to the satisfaction of the Company. d) Records shall be kept by the Trader of the volume, rate of discharge, nature and composition of the trade effluent discharged to the sewer, together with any records required to be kept by the Trader under the provisions of any Notice of Determination issued by the Secretary of State under Sections 120 and 132 of the Water Industry Act 1991. Such records shall be kept available for inspection at all reasonable times by an authorised officer of the Company and copies shall be sent to the Company on demand. e) The foregoing provision of this condition shall be deemed to be complied with if other methods of sampling the trade effluent, determining its nature and composition, and measuring and recording the discharge are agreed and confirmed in writing by the Company.

Payment

11. Payment shall be made to the Company on demand of charges in respect of the reception, conveyance, treatment and disposal of the trade effluent in accordance with the Company's Charges Scheme in force from time to time.

Dated **18 December 2000**

Issuing Office Asset Management
Asset Strategy – Wastewater Trade Effluent
Lingley Mere
Lingley Green Avenue
Great Sankey
Warrington
WA5 3LP

Signed



BUSINESS MANAGER

for and on behalf of North West Water Limited

Your attention is drawn to of Section 122 of the Water Industry Act 1991 which provides that any person aggrieved by any conditions attached to this Consent may appeal to the Director General of Water Services.

Consent.9/97

North West Water Ltd
Registered in England and Wales: Registered No. 2366678
Registered Office: Dawson House, Great Sankey, Warrington WA5 3LW