

Avanti Environmental Group Limited

Indigo House
Sussex Avenue
Leeds
West Yorkshire
LS10 2LFThirlmere House
Lingley Mere Business Park
Lingley Green Avenue
Great Sankey
Warrington WA5 3LPTelephone 01925 234000
www.unitedutilities.comRCTE: J Barrett
Direct Line: 01925 674935

Date: 22 November 2012

FAO The Company Secretary

Dear Sir

TRADE EFFLUENT – WATER INDUSTRY ACT 1991 - Charley Wood Road Knowsley Industrial Estate Liverpool Merseyside L33 7SG

Further to your TRADE EFFLUENT NOTICE dated 08 October 2012, 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 United Utilities Water PLC 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 United Utilities Water PLC 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 accordance with our Charges Scheme, an application fee of **£378** is now payable for this Consent. An invoice will be sent to you shortly.

In respect of clause 10a) of the Consent, I understand that representative samples of the trade effluent may be obtained from the 24 hour composite sampler from the manhole marked as 'X' on drainage map. Spot samples will be taken from the manhole marked as 'Y' on attached drainage map. You should note that officers designated in writing by United Utilities Water PLC shall have right of safe access at all reasonable hours without notice for the purpose of obtaining a sample of trade effluent.

QSF 142

The volume of trade effluent can be determined by direct measurement of trade effluent meter

The domestic allowance of 650 m³ per year (50 Employees x 50 litres per person x 260 days) will be used as the volume chargeable for measured sewage 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



Wastewater Catchment Manager
Wastewater Asset Performance

WATER INDUSTRY ACT 1991**CONSENT TO THE DISCHARGE OF TRADE EFFLUENT**

Whereas **Avanti Environmental Group Limited**

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

Indigo House Sussex Avenue Leeds West Yorkshire LS10 2LF

Is the **owner/occupier** of the trade premises at:

**Charley Wood Road
Knowsley Industrial Estate
Liverpool
Merseyside
L33 7SG**

and by the Trade Effluent Notice dated **08 October 2012**

Have applied to UNITED UTILITIES WATER PLC (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**

- 1a) 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 the **treatment of waste effluents and captured surface waters.**
- 1b) 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.

**Sewer
affected**

2. The sewer into which the trade effluent may be discharged and the point of discharge is the foul sewer situate at **Charley Wood Road.**

QSF 128

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| 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 100 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 4 litre/sec. |
| Matters to be eliminated prior to discharge to sewers | <p>6. The following matters shall be eliminated from the trade effluent before it is discharged into the sewers of the Company:</p> <ul style="list-style-type: none"> a) petroleum spirit; b) calcium carbide; c) carbon disulphide; d) 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 in concentration greater than the background concentration (as defined in the said Regulations); e) where the trade effluent derives from a prescribed process 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 substances 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, malodorous 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. |

**Matters to be
limited prior to
discharge to
sewer****7. The trade effluent shall not contain**

- a) 1,2 Dichloroethane in excess of 300 ug/l
- b) Ammonia and its compounds as N in excess of 250 mg/l
- c) Anionic detergents in excess of 1,000 mg/l
- d) Arsenic as As in excess of 20 ug/l
- e) Cadmium and its compounds in excess of 20 ug/l
- f) Carbon Tetrachloride in excess of 10 ug/l
- g) Chemical oxygen demand (COD) load in excess of 2,500 Kg/d in any one period of 24 hours, such load being determined by multiplying the COD concentration of the supernatant liquor of a composite sample of the trade effluent (after 1 hour's quiescent settlement at pH 7.0) taken during that 24 hour period and the volume of the trade effluent discharge during that 24 hour period.
- h) Chloride in excess of 5,000 mg/l
- i) Chloroform in excess of 100 ug/l
- j) Chromium as Cr in excess of 2,500 ug/l
- k) Copper as Cu in excess of 3,000 ug/l
- l) Cyanides and cyanogen compounds which produce hydrogen cyanide on acidification in excess of 1 mg/l
- m) Dichloromethane in excess of 3,200 ug/l
- n) Ethanol in excess of 1,000 mg/l
- o) Formaldehyde in excess of 10 mg/l
- p) Lead as Pb in excess of 2,500 ug/l
- q) Mercury and its compounds in excess of 10 ug/l
- r) Methanol in excess of 1,000 mg/l
- s) Nickel and its compounds in excess of 2,500 ug/l
- t) Non-ionic detergents (alkylphenylethoxylates) in excess of 1,000 mg/l
- u) Phenol and its compounds in excess of 10 mg/l
- v) Separable grease and oil in excess of 250 mg/l
- w) Settled chemical oxygen demand in excess of 25,000 mg/l

- x) Sulphates as SO₄ in excess of 1,000 mg/l
- y) Sulphides, hydrosulphides, polysulphides and substances producing hydrogen sulphide on acidification in excess of 1 mg/l
- z) Tetrachloroethene in excess of 320 ug/l
- aa) Total Phosphorus as P in excess of 100 mg/l
- bb) Toxic metals in excess of 10,000 ug/l either individually or in total ie Antimony, Beryllium, Chromium, Copper, Lead, Nickel, Selenium, Silver, Tin, Vanadium, Zinc;
- cc) Tributyltin in excess of 1 ug/l
- dd) Trichloroethene in excess of 1,200 ug/l

- Temperature** 8. No trade effluent shall be discharged which has a temperature higher than 43.3°C (110°F).
- pH value** 9. No trade effluent shall be discharged having a pH of less than 6 or greater than 10
- Inspection Chamber** 10. a) 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.
- b) There shall be provided, operated and maintained in working order by the Trader a meter in such a position and of such specification as shall be approved by UUWPLC such as will measure and provide a continuous record of the quantity and rate of discharge of any trade effluent being discharged from the premises into the said sewer and following the written request of UUWPLC to have the accuracy of the meter independently tested by an agreed body, and such apparatus or other facilities in such position and of such specification as shall be approved by UUWPLC as will provide for a continuous flow proportional sample as will enable the nature and composition or constituents as set out in these conditions of any trade effluent being discharged from the premises into the said sewer to be ascertained.
- c) If the measuring and recording apparatus as 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.

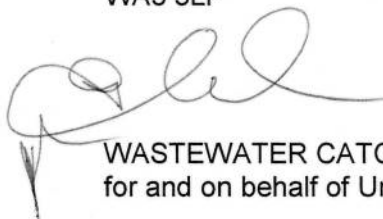
Payment

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 22 November 2012

Issuing Office Wastewater Asset Performance
Lingley Mere Business Park
Lingley Green Avenue
Great Sankey
Warrington
WA5 3LP

Signed



WASTEWATER CATCHMENT MANAGER
for and on behalf of United Utilities Water PLC

Your attention is drawn to 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.



X at 4R camp —
SAMPLE POINT

Spot
Spray Point
CHARLEY WOOD ROAD

ASSOCIATIONS

TFS	TRANS FRONTIER STUDENTS
LAB	LABORATORY
INT	INTERCESSION
	ARRIVANTS TO TAPS

_____	BLINDS
_____	COMPARTMENT
_____	FOIL SEER
_____	EFFLUENT
_____	FOLI SEVER
_____	EFFLUENT
_____	SPACE WATER
_____	SPACE WATER
_____	RECOVER (RECOVER)

FSP
ARCHITECTS & PLANNERS LTD
831 ALBERT DOCK

PROPOSED SITE CONSOLIDATION

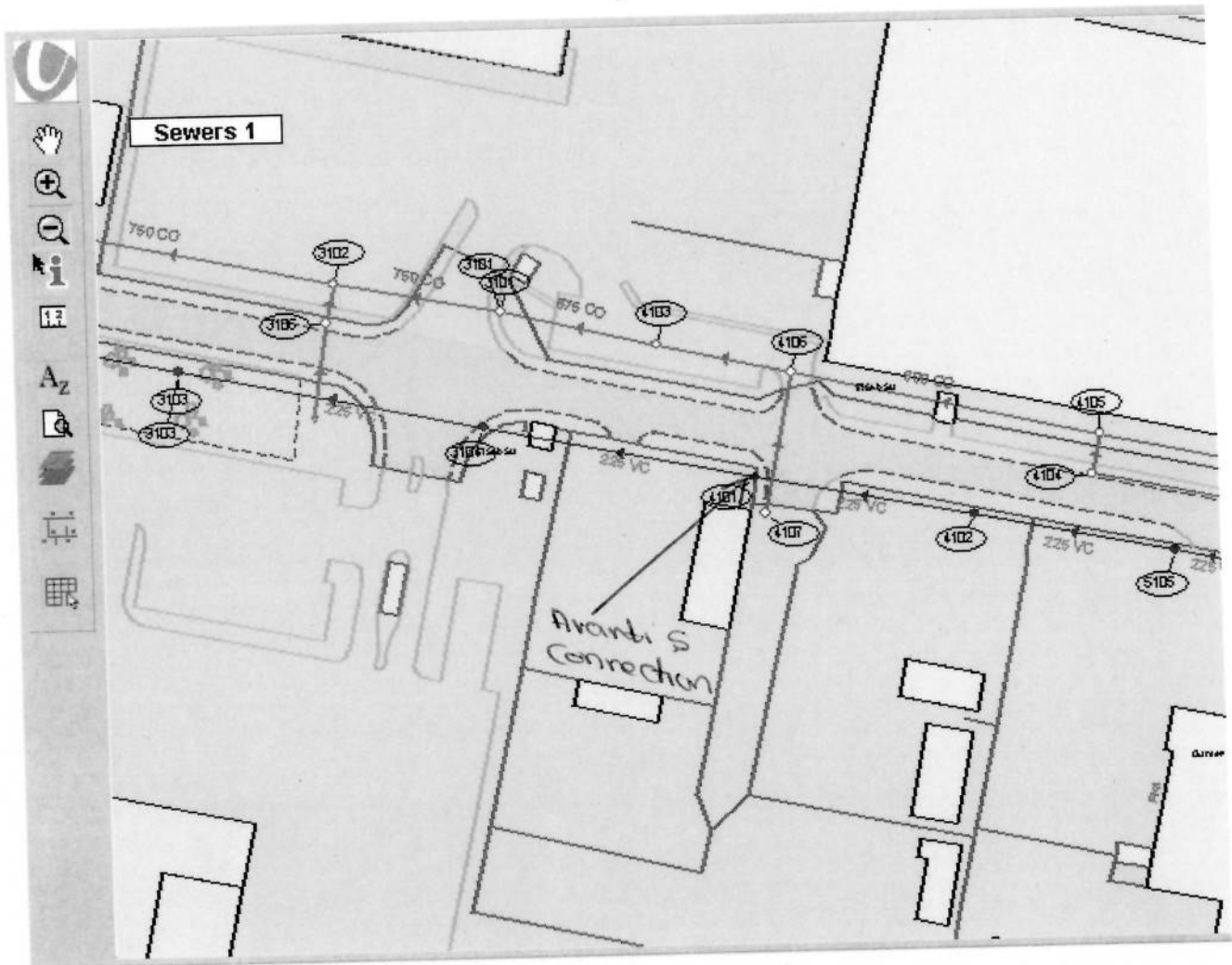
**AVANTI
ENVIRONMENTAL GROUP**

CHARLEY WOOD ROAD, KNOWSLEY INDUSTRIAL PARK
MERSEYSIDE, L33 7SG

III SITE LAYOUT PLAN

DRAWING NO.	DATE	BY	CHKD
516	L (-) 04		D

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Drainage Area 22-24-14

Grid Ref. SJ 43305 98240

Avanti