

Direction to vary conditions of consent to the discharge of trade effluent to the public foul water sewer

To: The Company Secretary
2ZLF Limited
Sharpsgate Station Road
Oxton Lauder
Berwickshire
TD2 6PW

WHEREAS

Trade effluent is now discharged from the premises known as **2ZLF Limited** and situated at **Warehouse & Yard Downing Road, West Meadows Industrial Estate, Derby, DE21 6HA** under a consent dated 30th December 2013 issued by Severn Trent Water Limited.

NOW THEREFORE Severn Trent Water Limited (hereinafter called "The Sewerage Undertaker") HEREBY Direct under the powers conferred on them by Section 124 of the Water Industry Act 1991, that subject as hereinafter specified as from 26th August 2017 the Consent dated 30th December 2013 be varied and the following conditions substituted for the conditions previously attached thereto.

- | | |
|------------------------------|---|
| Sewer Affected | 1. The public sewer into which the trade effluent may be discharged is the foul water sewer situated in the public sewer running adjacent to the site. |
| Nature or Composition | 2. The trade effluent to be discharged shall consist solely of waste waters specified in the trade effluent notice served in respect of the premises and derived from bespoke aggregate washing plant and water treatment. |
| Maximum volume | 3. The maximum volume of trade effluent to be discharged in any continuous period of 24 hours shall not exceed 25 cubic metres. |
| Maximum rate | 4. The highest rate at which the trade effluent may be discharged shall not exceed 2 litres per second. |
| Period of discharge | 5. The trade effluent shall only be discharged into the public sewer between 00:00 and 23:59 hours. |
| Quality Conditions | 6. a. The trade effluent to be discharged shall not contain any of the substances or properties listed in Appendix I in amounts or proportions other than those which comply with the limits there stated and shall not contain any substances or properties not listed in Appendix I except with the prior written permission of the Sewerage Undertaker and on such terms and conditions as are set out therein.

b. The trade effluent to be discharged shall not contain any special category effluent (as defined in Section 138 of the Water Industry Act 1991) in a concentration greater than background concentration (as defined in the Trade Effluents (Prescribed Processes and Substances) Regulations 1989).

c. Where the trade effluent derives from a prescribed process mentioned in Schedule 2 to the Trade Effluents (Prescribed Processes and Substances) Regulations 1989, it shall not contain asbestos (as defined in the said Regulations) and chloroform in a concentration greater than the background concentration (as defined in the said Regulations); |

- Inspection chamber** 7. An inspection chamber or manhole shall be provided and maintained in connection with each pipe through which the trade effluent is to be discharged into the public sewer, and such inspection chamber or manhole shall be so constructed and maintained as to enable a person to readily obtain samples at any time, of the trade effluent so discharged.
- Quality and volume measurement** 8. a. Apparatus adequate for measuring and automatically recording the volume, rate and composition of trade effluent so discharged shall be provided with every such pipe and such measurement apparatus shall be maintained and tested to the satisfaction of the Sewerage Undertaker.
- b. If the measuring and recording apparatus ceases to record or is suspected of not measuring correctly, then the Sewerage Undertaker 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 Sewerage Undertaker.
- c. The foregoing provisions of this condition shall be of no effect so long as there is provided and maintained to the satisfaction of the Sewerage Undertaker some other method approved by the Sewerage Undertaker of sampling the trade effluent or determining, measuring and recording the volume and composition of the trade effluent so discharged.
- d. Records of the volume and composition of the trade effluent discharged into the sewer shall be kept available at all times for inspection by any authorised representative of the Sewerage Undertaker and copies of such records shall be sent to the Sewerage Undertaker on demand.
- Payment** 9. Payment shall be made to the Waste Water Retailer for the reception, treatment and disposal of the trade effluent discharged into the public foul water sewer.

All sums payable to the Waste Water Retailer under this condition shall become due and payable on demand.

Dated the twenty sixth day of June 2017
For and on behalf of the Sewerage Undertaker



M Needham
Commercial Waste Lead

Address of the Sewerage Undertaker

Severn Trent Water Limited
Severn Trent Centre
2 St Johns Street
Coventry
CV1 2LZ

NOTE: Your attention is drawn to the right of appeal to Ofwat conferred by Section 126 of the Water Industry Act 1991.

APPENDIX I

Consent No **008250V**

Direction No **0001**

QUALITY CONDITIONS

1. The pH value of the trade effluent shall not be less than 6 nor greater than 10 in the recognised scale.
2. The temperature of the trade effluent shall not exceed 43 degrees Centigrade.
3. The Chemical Oxygen Demand from acidified dichromate (C.O.D.) of the trade effluent shall not exceed 4000 milligrams per litre expressed as O.
4. The total of Suspended Solids in the trade effluent shall not exceed 1500 milligrams per litre.
5. The trade effluent shall be free from physically separable, dispersed or emulsified oil and soluble oil.
6. The trade effluent shall not contain any substance or substances which either alone, or in combination with any matter in any sewers or receiving sewage treatment works vested in and/or under the control of Severn Trent Water Limited, would give rise to obnoxious, poisonous or inflammable gases, or otherwise a statutory nuisance as defined by the Environmental Protection Act 1990 in such sewers or works, would be deleterious to such sewers or to the processes in use at such works or to the disposal of effluents and sludges produced by such works.

A shaken sample is to be used except for C.O.D., where the sample shall be supernatant after 1 hour settlement

QUALITY AND VOLUME MEASUREMENT

1. Quality measurement

Not required.

1.1. Sampling point

To enable a representative sample of trade effluent to be taken a suitable sampling point shall be provided to the satisfaction of the Sewerage Undertaker at a point marked SAMPLE POINT as shown on the Plan No. 008250V/01 attached hereto.

The Sampling Point is located at the manhole on existing drain.

Safe access to and exit from this point for inspection and monitoring purposes by authorised representatives of the Sewerage Undertaker shall be provided.

2. Volume measurement

The volume of trade effluent discharged to the foul water sewer will be calculated from the area of the site draining to the foul water sewer (m^2) multiplied by rainfall (mm/1000). (Area of Site draining to the foul water sewer $6188m^2$)

TRADE EFFLUENT CHARGE CALCULATION

The payment to be made by the occupier of the premises from which the trade effluent is discharged for the whole or any part of any period of twelve calendar months commencing on 1 April in any year shall be calculated as follows:

1. The volume of trade effluent discharged in cubic metres multiplied by C, where

$$C = R + V + \frac{O_t}{O_s} \times B + \frac{S_t}{S_s} \times S$$

C = Total charge per cubic metre of trade effluent.

R = One third of the amount determined by the Sewerage Undertaker as the average cost to the Sewerage Undertaker for the year of charge of receiving into its sewers (other than those used solely for surface water) and conveying one cubic metre of sewage to the Sewerage Undertaker's sewage treatment works.

V = The amount determined by the Sewerage Undertaker as the average cost for the year of charge of primary treatment and other volumetric treatment costs in the treatment of one cubic metre of sewage at the Sewerage Undertaker's sewage treatment works.

O_t = The Chemical Oxygen Demand (COD) of the trade effluent in milligrams per litre (mg/l) after one hour quiescent settlement.

O_s = The estimated average Chemical Oxygen Demand (COD) of settled sewage in milligrams per litre (mg/l) at the Sewerage Undertaker's works as determined by the Sewerage Undertaker for the purposes of the year of charge.

B = The amount determined by the Sewerage Undertaker as the average cost to the Sewerage Undertaker for the year of charge of biological treatment of one cubic metre of sewage at the Sewerage Undertaker's sewage treatment works.

S_t = The total suspended solids in the trade effluent in milligrams per litre (mg/l) at the pH of the trade effluent.

S_s = The estimated average amount of suspended solids in milligrams per litre (mg/l) determined on a shaken sample, in sewage received for treatment at the Sewerage Undertaker's works as determined by the Sewerage Undertaker for the purposes of the year of charge.

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

2. The factors in the above formula, on which the Sewerage Undertaker's trade effluent charges are based, are shown in the Scheme of Charges, which is published annually. It is available to view on the Severn Trent Water website www.stwater.co.uk
3. Minimum charge for small volumes:
Where the product of the volume of trade effluent in cubic metres and the unit charge calculated from the above formula is less than the minimum charge determined by the Sewerage Undertaker for the year of charge, then that minimum charge shall be paid.

NITRIFICATION CHARGE CALCULATION

This is for effluents controlled by a consent where the average ammonia concentration is greater than 5% of the average settled COD concentration.

Where the average ammonia concentration exceeds 5% of the average settled COD concentration, a revised Chargeable COD value (O_t) will be used in the standard trade effluent charge calculation (Appendix III). This revised O_t value will be calculated as follows:

$$\text{Chargeable COD } (O_t) = \text{average COD} + 4.57(\text{Nt} - 5\% \text{ average COD})$$

Nt = The average total ammoniacal nitrogen concentration in milligrams per litre (mg/l) of the trade effluent determined on a sample or samples, expressed as Nitrogen

APPENDIX V

OFFENCES

Water Industry Act 1991

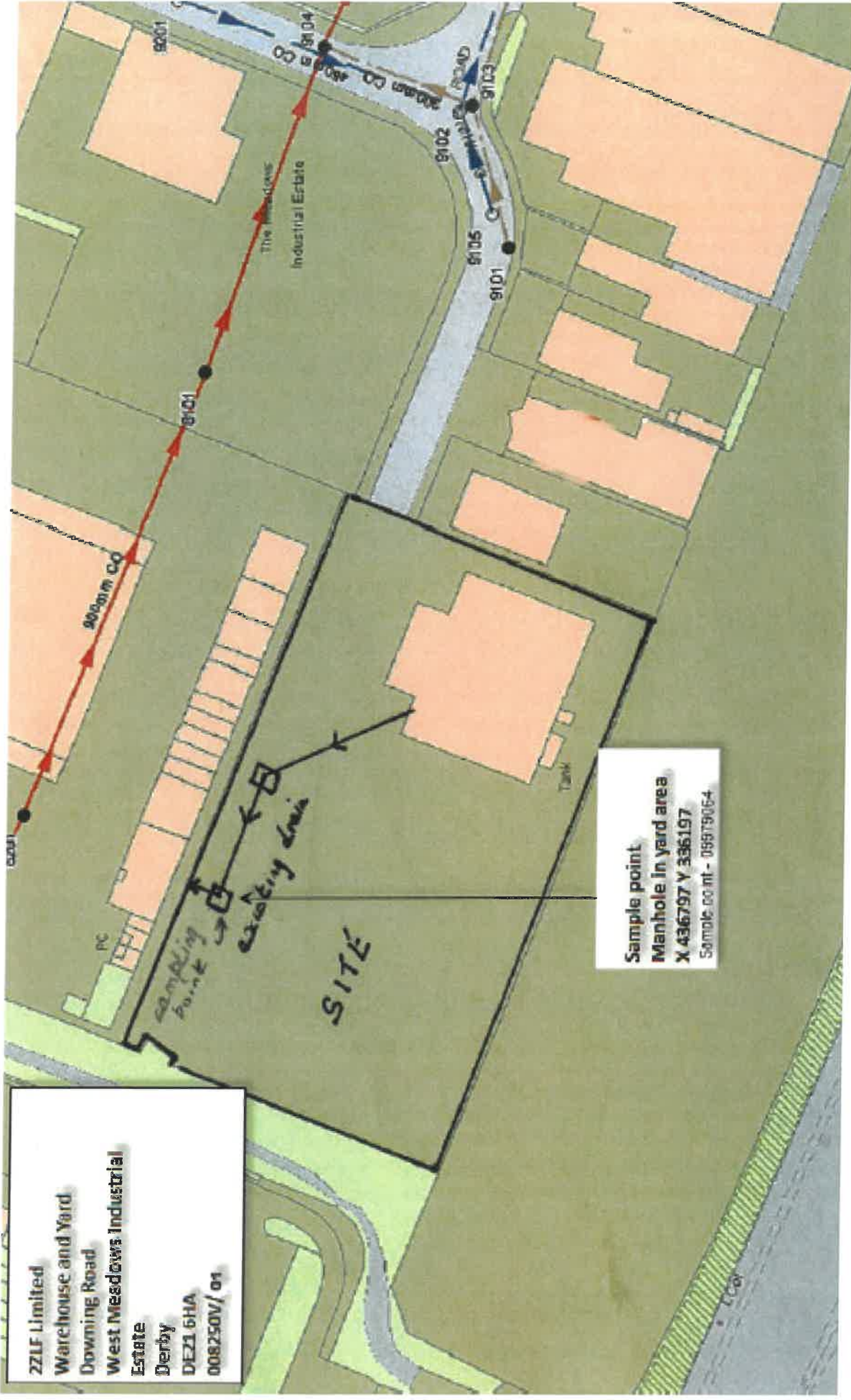
Your attention is drawn to the provisions of the following Sections:-

Section 121 of the Water Industry Act 1991, which provides inter alia that the occupier of the premises from which trade effluent is discharged in contravention of any condition imposed on a consent shall be guilty of an offence and be liable on summary conviction to a fine not exceeding the statutory maximum or on conviction on indictment, to a fine.

Section 111 of the Water Industry Act 1991, the effect of which is given here below, in relation to a discharge of trade effluent which may not comply with either the description stated by the occupier in the trade effluent notice or with any condition in a consent or direction issued under the Act:-

1. No person shall throw, empty or turn, or suffer or permit to be thrown or emptied or to pass, into any public sewer, or into any drain or sewer communicating with a public sewer:
 - (a) Any matter likely to injure the sewer or drain, or to interfere with the free flow of its contents, or to affect prejudicially the treatment and disposal of its contents; or
 - (b) Any chemical refuse or waste steam, or any liquid of a temperature higher than one hundred and ten degrees Fahrenheit, being refuse or steam which, or a liquid which when so heated, is, either alone or in combination with the contents of the sewer or drain, dangerous, or the cause of a nuisance, or prejudicial to health; or
 - (c) Any petroleum spirit, or carbide of calcium.
2. A person who contravenes any of the provisions of this Section shall be liable:
 - (a) On summary conviction to a fine not exceeding the Statutory maximum and to a further fine not exceeding £50 for each day on which the offence continues after conviction;
 - (b) On conviction on indictment, to imprisonment for a term not exceeding two years or a fine or both.
3. In respect of the imposition of a daily penalty;
 - (a) the Court may fix a reasonable date from the date of conviction for compliance with any directions given by the Court; and
 - (b) where a Court has fixed such a period, the daily penalty shall not be imposed in respect of any day before the end of that period.
4. In this section the expression "petroleum spirit" means any such:
 - (a) Crude petroleum
 - (b) Oil made from petroleum, or from coal, shale, peat or other bituminous substances; or
 - (c) Product of petroleum or mixture containing petroleum, as, when tested in the manner prescribed by or under the Petroleum (Consolidation) Act, 1928, gives off an inflammable vapour at a temperature of less than seventy three degrees Fahrenheit.

ZZLF Limited
Warehouse and Yard
Downing Road
West Meadows Industrial
Estate
Derby
DE21 6HA
008250V/01



Sample point
Manhole in yard area
X 436797 Y 336197
Sample point - 08879064