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Your ref:  
Our ref: 008363V

9 July 2014

The Company Secretary  
Agilent Technologies LDA UK Limited  
Lakeside  
Cheadle Royal Business Park  
Cheadle Cheshire  
SK8 3GR  
For the attention of Mr M Baskeyfield

Dear Sirs,

**Water Industry Act 1991 – Trade Effluent Consent**

Please find enclosed your consent to discharge trade effluent.

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The consent contains conditions designed to protect sewers, sewage treatment processes and the people working in these areas. These conditions apply at all times. They are also necessary to ensure that we meet our environmental obligations with regard to the discharge limits from our sewage treatment works set by the Environment Agency and for the safe disposal of sewage sludge without harm to the environment.

A number of appendices are attached to the Consent:

- |                     |   |
|---------------------|---|
| <b>Appendix I</b>   | Lists the quality conditions.   |
| <b>Appendix II</b>  | Gives the requirements for quality and volume measurement and the sampling point. We should also be pleased if you would advise us of any particular health and safety requirements that staff should follow when visiting your premises. |
| <b>Appendix III</b> | Shows how the trade effluent charge is calculated.  |
| <b>Appendix IV</b>  | Explains offences under the Water Industry Act 1991.  |

If you require further information please contact me on the direct line number above.

Yours faithfully

Roger Overton  
Networks Commercial Advisor



## Consent to the discharge of trade effluent to the public foul water sewer

To: The Company Secretary  
Agilent Technologies LDA UK Limited  
Lakeside  
Cheadle Royal Business Park  
Cheadle Cheshire  
SK8 3GR

### WHEREAS

On the **3 June 2014** a trade effluent notice was, in pursuance of the provisions of the Water Industry Act 1991, served by you on Severn Trent Water Limited in respect of the premises known as **Agilent Technologies LDA UK Limited** and situated at **Essex Road, Church Stretton, Shropshire, SY6 6AX**

NOW THEREFORE Severn Trent Water Limited (hereinafter called "The Sewerage Undertaker")  
HEREBY CONSENT to the discharge of trade effluent from the above-mentioned premises into the public foul water sewers subject to the following conditions and not otherwise

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**Sewer Affected** 1. The public sewer into which the trade effluent may be discharged is the foul water sewer situated in **Essex Road**.

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**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 **laboratory water**.

**Maximum volume** 3. The maximum volume of trade effluent to be discharged in any continuous period of 24 hours shall not exceed **20** cubic metres.

**Maximum rate** 4. The highest rate at which the trade effluent may be discharged shall not exceed **1** litre 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 Sewerage Undertaker for the reception, treatment and disposal of the trade effluent discharged into the public foul water sewer in accordance with the Sewerage Undertaker's Charging Scheme in force from time to time.

All sums payable to the Sewerage Undertaker under this condition shall become due and payable on demand.

**Dated the ninth day of July 2014**

**For and on behalf of the Sewerage Undertaker**



**M. Needham**

**Environmental & Commercial Customer Compliance Manager**

**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 the Director General of Water Services conferred by Section 126 of the Water Industry Act 1991.



**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 Chemical Oxygen Demand from acidified dichromate (C.O.D.) of the trade effluent shall not exceed 600 milligrams per litre expressed as O.
3. The total of Suspended Solids in the trade effluent shall not exceed 400 milligrams per litre.
4. The temperature of the trade effluent shall not exceed 43 degrees Centigrade.
5. The trade effluent shall be free from physically separable 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.

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~~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 measurement1.1 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 SAMPLING POINT as shown on the **Plan No. 008363V/00** attached hereto.

The Sampling /Inspection Point = **Manhole located outside unit 3.**

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

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~~The volume of trade effluent shall be measured by using the agreed fixed volume below.~~

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~~Trade Effluent Volume = 2119.39m<sup>3</sup> / per half year (Fixed).~~

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## 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<sub>t</sub>** = The Chemical Oxygen Demand (COD) of the trade effluent in milligrams per litre (mg/l) after one hour quiescent settlement.

**O<sub>s</sub>** = 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<sub>t</sub>** = The total suspended solids in the trade effluent in milligrams per litre (mg/l) at the pH of the trade effluent.

**S<sub>s</sub>** = 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. 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.

3. The Sewerage Undertaker will notify the occupier of the premises from which trade effluent is discharged of the factors in the above formula, on which the Sewerage Undertaker's trade effluent charges will be based for each year of charge, prior to 1 April in any year.





## 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.

