

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

To: The Company Secretary
Foyle Food Group Limited
52 Doogary Road
Omagh
Northern Ireland
BT79 0BQ

WHEREAS

On the **20 September 2018** 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 **Foyle Gloucester** and situated at **Forest Vale Road, Forest Vale Industrial Estate, Cinderford, Gloucestershire, GL14 2PH**

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

- Sewer Affected** 1. The public sewer into which the trade effluent may be discharged is the foul water sewer situated in **Forest Vale Road**.
- 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 **washdown from lairage, cattle slaughterhouse and carcass de-boning**.
- Maximum volume** 3. The maximum volume of trade effluent to be discharged in any continuous period of 24 hours shall not exceed **100** cubic metres.
- Maximum rate** 4. The highest rate at which the trade effluent may be discharged shall not exceed **5** 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 ninth day of October 2018
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.

QUALITY AND VOLUME MEASUREMENT

1. Quality measurement

None 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. 008974V/00 attached hereto.

The Sample Point is located at the effluent v-notch tank at rear of site by treatment plant.

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

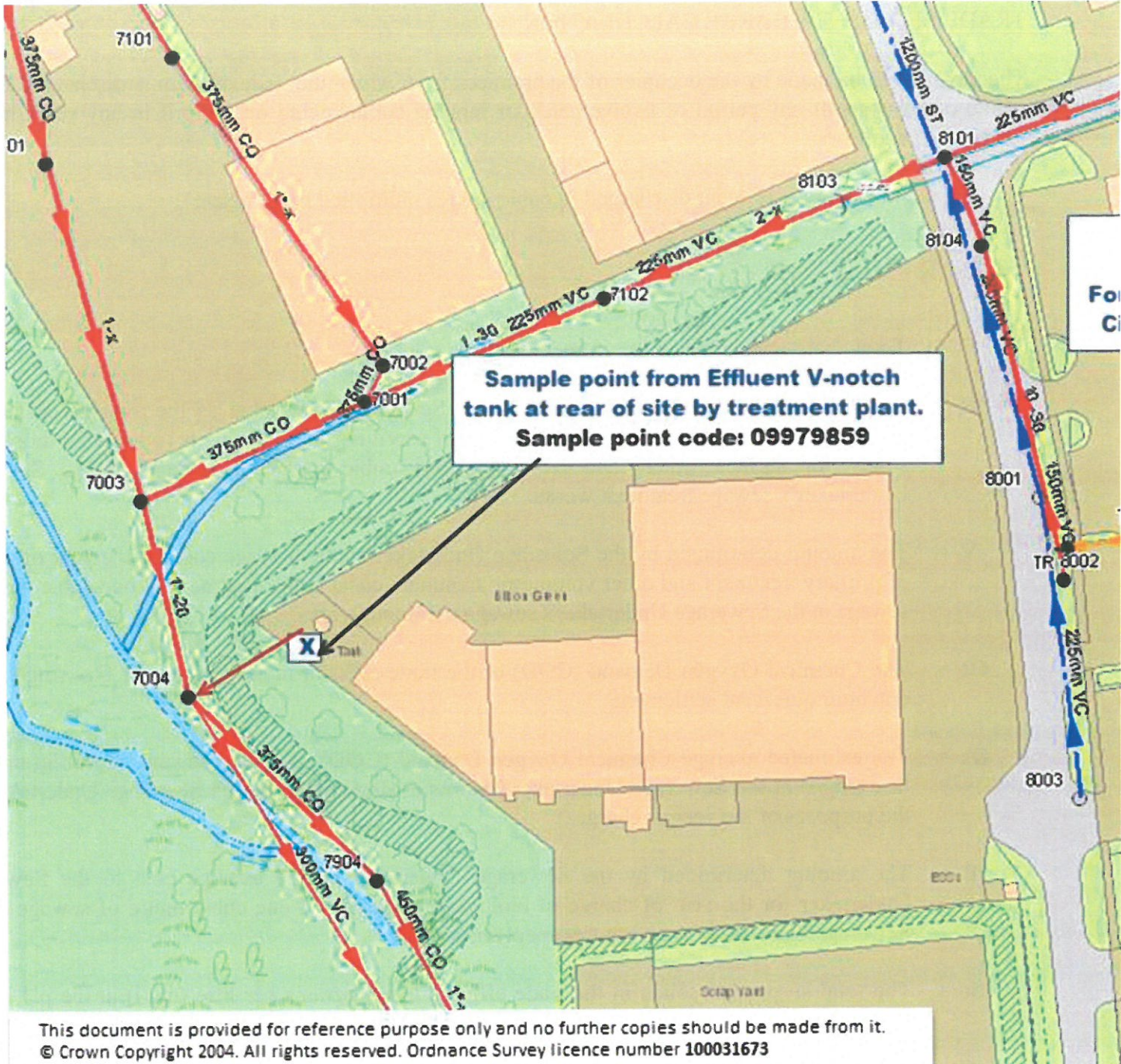
2. Volume measurement

There shall be provided a continuous integrating flow recorder which shall record in litres per second and integrate in cubic metres. The volume measured shall be that of the trade effluent excluding domestic sewage. The instrument must be fitted with a recording chart or other data logging device acceptable to the Sewerage Undertaker and the data so recorded must be kept readily available for on-site examination by authorised representatives of the Sewerage Undertaker.

QUALITY CONDITIONS

1. The temperature of the trade effluent shall not exceed 43 degrees C (110 degrees F).
2. The pH value of the trade effluent shall not be less than 6 or greater than 10 in the recognised scale.
3. The total of Suspended Solids in the trade effluent shall not exceed 800 milligrams per litre.
4. The total of Phosphorus in the trade effluent shall not exceed 25 milligrams per litre expressed as Phosphorus (P).
5. The Chemical Oxygen Demand from acidified dichromate (C.O.D.) of the trade effluent shall not exceed 5000 milligrams per litre expressed as O.
6. The total of Sulphides in the trade effluent shall not exceed 1 milligram per litre expressed as S.
7. The total of Ammoniacal Nitrogen in the trade effluent shall not exceed 400 milligrams per litre expressed as N.
8. The effluent shall not contain any materials in contravention with the Animal By-Products Regulations 2003
9. Tissues of cattle, sheep and goats which harbour or might potentially harbour detectable Bovine Spongiform Encephalopathy (BSE) infectivity must be excluded from the trade effluent and disposed of in accordance with the Specified Risk Regulations 1997 (as amended) and the Specified Risk Material Order 1997, or succeeding legislation at that time in force
10. There shall be eliminated from the trade effluent all blood other than that which arises from the washing down of floors, the washing of utensils or other similar activities.
11. The trade effluent shall not contain material capable of retention on a square mesh screen of a grid size four millimetres or above.
12. 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.
13. The trade effluent shall be free from physically separable oil.
14. 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



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.



Severn Trent Water Limited
Commercial Waste
PO Box 51
Raynesway
Derby
DE21 7JA

Tel: 01332 683369
www.stwater.co.uk

Contact: Trevor Rees
Direct line: 07771 938714
commercial.waste@severntrent.c

Your ref:
Our ref: 008974V

9 October 2018

Foyle Food Group Limited
Forest Vale Road
Forest Vale Industrial Estate
Cinderford
Gloucestershire
GL14 2PH
For the attention of Nick Smith (Factory Manager)

Dear Sir

Water Industry Act 1991 – Trade Effluent Consent

Please find enclosed your consent to discharge trade effluent.

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:

- | | |
|---------------------|---|
| Appendix I | Lists the quality conditions. |
| Appendix II | 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. |
| Appendix III | Shows how the trade effluent charge is calculated. |
| Appendix IV | Explains the nitrification charge calculation. |
| Appendix V | Explains offences under the Water Industry Act 1991. |

Please note your obligations under section 8 of your consent to discharge, to keep records of meter readings and discharge volumes.

It is your responsibility to provide documentary evidence to support any claims for allowances or non-returns.

Failure to provide any information or readings used to calculate allowances will result in a 'zero' allowance being applied.

Registered in England & Wales
Registration No. 2366686
Registered Office:
Severn Trent Centre,
2 St John's Street,
Coventry CV1 2LZ

Any allowances agreed will be periodically reviewed to ensure that they still represent the current situation at your premises.

Please notify Severn Trent Water immediately if there are any changes made to a trade effluent meter installation by way of an exchange or removal or if there are any changes to the volume calculation methods mentioned above which would impact the volume calculation such that it is no longer appropriate to use.

This Consent is a document between Foyle Food Group Limited and Severn Trent Water Limited. Any changes to your Water and/or Waste Water Retailer will not require a change to this Consent.

Please notify Severn Trent Water Limited immediately on **0800 783 4444** in the event of a spillage entering the drainage system, an unconsented discharge incident or a failure of your effluent treatment facility. Please give details of the substances involved, location of the spillage and likely quantities discharged.

If you have any questions in respect of this document or about your compliance with the limits contained within your Trade Effluent Consent, please do not hesitate to contact me. For any billing enquiries please contact your Waste Water Retailer.

Yours faithfully

A handwritten signature in black ink, appearing to be 'T. Rees', with a long horizontal line extending to the right.

Trevor Rees
Commercial Waste Team

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

To: The Company Secretary
Foyle Food Group Limited
Lisahally
Campsie
Londonderry
BT47 6TJ

WHEREAS

Trade effluent is now discharged from the premises known as **Foyle Gloucester** and situated at **Forest Vale Road, Forest Vale Industrial Estate, Cinderford, Gloucestershire, GL14 2PH** under a consent dated 28 October 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 13 December 2017 the Consent dated 28 October 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 Forest Vale Road . |
| 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 abattoir and lairage . |
| Maximum volume | 3. The maximum volume of trade effluent to be discharged in any continuous period of 24 hours shall not exceed 100 cubic metres. |
| Maximum rate | 4. The highest rate at which the trade effluent may be discharged shall not exceed 5 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 thirteenth day of October 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 008208V

Direction No 0001

QUALITY CONDITIONS

1. The total of Sulphides in the trade effluent shall not exceed 1 milligram per litre expressed as S.
2. The pH value of the trade effluent shall not be less than 6 or greater than 10 in the recognised scale.
3. The Chemical Oxygen Demand from acidified dichromate (C.O.D.) of the trade effluent shall not exceed 5000 milligrams per litre expressed as O.
4. The total of Suspended Solids in the trade effluent shall not exceed 1000 milligrams per litre.
5. The total of Ammoniacal Nitrogen in the trade effluent shall not exceed 180 milligrams per litre expressed as N.
6. The total of Phosphorus in the trade effluent shall not exceed 25 milligrams per litre expressed as Phosphorus (P).
7. The temperature of the trade effluent shall not exceed 43 degrees Centigrade.
8. The effluent shall not contain any materials in contravention with the Animal By-Products Regulations 2003
9. Tissues of cattle, sheep and goats which harbour or might potentially harbour detectable Bovine Spongiform Encephalopathy (BSE) infectivity must be excluded from the trade effluent and disposed of in accordance with the Specified Risk Regulations 1997 (as amended) and the Specified Risk Material Order 1997, or succeeding legislation at that time in force
10. There shall be eliminated from the trade effluent all blood other than that which arises from the washing down of floors, the washing of utensils or other similar activities.
11. The trade effluent shall not contain material capable of retention on a square mesh screen of a grid size four millimetres or above.
12. The trade effluent shall be free from physically separable oil.
13. 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

APPENDIX II

Consent No 008208V
Direction No 0001

QUALITY AND VOLUME MEASUREMENT

1. Quality measurement
Not applicable.

- 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. 008208V/01 attached hereto.

The Sampling Point is located at the V-notch effluent tank.

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

There shall be provided a continuous integrating flow recorder which shall record in litres per second and integrate in cubic metres. The volume measured shall be that of the trade effluent excluding domestic sewage. The instrument must be fitted with a recording chart or other data logging device acceptable to the Sewerage Undertaker and the data so recorded must be kept readily available for on-site examination by authorised representatives of the Sewerage Undertaker.

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.

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:

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

N_t = 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

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.

Plan No. 008208V/01

The Foyle Food Group
Forest Vale Road
Forest Vale Industrial Estate
Cinderford, Gloucestershire GL14 2PH

Sample point located at the V-
notch effluent tank
Sample point code: 09979021
Abattoir & lairage

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