

A close-up photograph of a worker in a high-visibility yellow-green vest and black work pants. The worker is wearing orange gloves and holding a black high-pressure water spray nozzle. A stream of water is spraying from the nozzle. The background is slightly blurred, showing an outdoor construction or maintenance site with a white and orange traffic cone visible on the left.

SEVERN TRENT CONNECT
TRADE EFFLUENT CHARGES 2016/17
Wellesley, Aldershot

SEVERN TRENT
CONNECT

a part of

SEVERN
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1.0 Introduction

Severn Trent Services (Water and Sewerage) Limited is the appointed sewerage undertaker for the site known as Wellesley, Aldershot and as described in our variation of appointment notice. Severn Trent Connect is the trading name of Severn Trent Services (Water and Sewerage) Limited. We are part of Severn Trent Plc, a FTSE 100 company, which provide and treat water and waste water in the UK, and internationally, through our two main businesses – Severn Trent Water and Severn Trent Services.

This Scheme of Charges details our Trade Effluent charges for the period 1st April 2016 to 31st March 2017.

2.0 Trade Effluent – General information

Trade effluent is anything that is not domestic sewage (toilet, bath or handwashing waste) or uncontaminated surface water and roof drainage (rainwater). Waste water discharges from hotels, pubs, restaurants, takeaways and caravan parks are not classed as trade effluent. They are, however, regulated under Section 111 of the Water Industry Act 1991. Premises found to be discharging fats, oils, greases and food scraps to sewer, which then cause blockages or prove injurious to the safe operation of our assets, can be prosecuted.

The Water Industry Act 1991 defines Trade Effluent as:

"any liquid, either with or without particles of matter in suspension in the liquid, which is wholly or partly produced in the course of any trade or industry carried on at a trade premises."

Any waste water produced in the course of a trade or industry carried out at commercial or business premises is classed as "trade effluent". Trade Effluent will include any waste water derived from a production process or from washing down or cooling activities.

Why do we need to control trade effluent?

Trade effluent can damage our sewers, sewage treatment processes and the watercourses we discharge to. It can also affect the health and safety of anyone working in or around our sewerage network.

We need to ensure that our infrastructure and treatment processes work effectively, so that we can return your treated wastewater safely back into the environment.

Do I need a consent for my trade effluent?

We need to know if you plan to discharge anything other than domestic waste into a drain which is connected to a public sewer. It is your responsibility to obtain consent prior to commencing any trade effluent discharge. You will need to complete an application known as a Trade Effluent Notice and send this to us. You can download the form and guidance notes at www.severntrentconnect.com/business-customers/your-services

It is a criminal offence under Section 118 (5) of the Water Industry Act to discharge any trade effluent to sewer without the consent of the Sewerage Undertaker (Severn Trent Connect). You may be subject to legal action if you discharge without consent.

If your business manufactures or processes materials such as chemicals, metal finishing, food and drink, or if you operate a small launderette or car wash, it is likely that you will need trade effluent consent from Severn Trent Connect.

Short term discharges (e.g. contaminated groundwater from land remediation/building projects, flushing of central heating/cooling systems in commercial premises, etc.) are subject to temporary trade effluent authorisation.

If we grant approval we will issue a consent which may contain certain conditions to ensure that the trade effluent is discharged safely to our sewerage network. If we decline your application we will provide a full explanation of the reasons.

The types of conditions we may put in place are restrictions on the composition of the effluent, a maximum allowable discharge volume per day, a limit of the flow rate, a limit on when the effluent can be discharged, requirements relating to information you must provide to us and the provision of sampling facilities, testing apparatus and meters.

Where applicable we will also agree with you what volume of discharge will be treated as sewage for charging purposes. If the rate, quality, nature or composition of the trade effluent changes you must advise us straight away.

We charge a fee for processing new applications and for any changes to terms and conditions that we approve.

Please contact us to discuss any enquiry you have relating to waste water discharging from your premises. Email us at customer@severntrentconnect.com or call 0345 450 9549.

3.0 Basis of charge

To calculate the trade effluent charges for your premises we apply the industry standard Mogden Formula. This enables us to calculate the strength of the effluent in relation to the average sewage strength. We use this calculation to determine your banding and then apply the associated unit tariff. The standard tariff formula is shown below, if you require any further information on how we calculate the charges please contact us.

Volume and strength charge - Standard tariff formula

The charge per cubic metre of trade effluent shall be derived from the formula -

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

Where:

R = the amount shown in the Trade Effluent Charges Schedule. This is the average volume related wastewater charge for receiving into its public sewers and conveying one cubic metre of foul sewage to Severn Trent Connect's sewage treatment works;

V = the amount shown in the Trade Effluent Charges Schedule. This is the average charge by Severn Trent Connect for primary treatment of one cubic metre of foul sewage at Severn Trent Connect's sewage treatment works;

O_t = the Chemical Oxygen Demand of the trade effluent (in milligrammes per litre) after one hour of quiescent settlement or such other parameter as may be determined by Severn Trent Connect;

O_s = the Chemical Oxygen Demand of average strength settled foul sewage (in milligrammes per litre) after one hour of quiescent settlement or such other parameter as determined at Severn Trent Connect's sewage treatment works;

B = the amount shown in the Trade Effluent Charges Schedule. This is the average charge by Severn Trent Connect for biological oxidation of one cubic metre of foul sewage at Severn Trent Connect's sewage treatment works;

S_t = the total suspended solids settleable in one hour from the trade effluent at pH 7.0 or at the pH of mixed sewage (in milligrammes per litre);

S_s = the total suspended solids removed from average strength foul sewage by settlement (in milligrammes per litre) in one hour at pH 7.0 or the pH of mixed sewage as determined by Severn Trent Connect;

S = the amount shown in the Trade Effluent Charges Schedule. This is the average charge by Severn Trent Connect, per cubic metre of sewage received, for treatment and disposal of sludge from Severn Trent Connect's sewage treatment works;

4.0 Trade Effluent charge tariffs 2016/17

Table 1 Trade Effluent fixed charges

Discharge volume (m ³ per annum)	Fixed charge	Minimum charge
Tariff A: Small usage (0-500m ³)	N/A	£154.29
Tariff B: Small usage (500 – 1000m ³)	N/A	N/A
Tariff C: Small usage (1000-5,000m ³)	N/A	N/A
Tariff D: Moderate usage (5,000-20,000m ³)	N/A	N/A
Tariff E: Medium usage (20,000-50,000m ³)	£179.85	N/A
Tariff F: Large usage (50,000-250,000m ³)	£319.89	N/A
Tariff G: High usage (over 250,000m ³)	£1198.98	N/A

Table 2 Standard volume charges

Description	Volume (m ³ per annum)	Pence per m ³ or kg
Reception and conveyance (R)	0-500	18.33p/m ³
Reception and conveyance (R)	500-1,000	19.84p/m ³
Reception and conveyance (R)	1,000-5,000	14.59p/m ³
Reception and conveyance (R)	5,000-20,000	14.67p/m ³
Reception and conveyance (R)	20,000-50,000	15.03p/m ³
Reception and conveyance (R)	50,000-250,000	15.49p/m ³
Reception and conveyance (R)	Over 250,000	14.63p/m ³
Primary treatment (V)		15.48p/m ³
Biological treatment (B)		44.60p/kg
Solids treatment (S)		56.65 p/kg

Table 3 Average strength factors used in Trade Effluent formula

Chemical Oxygen demand	-Os	445mg/l
Settleable solids	-Ss	336ml/l

Table 4 Agreed strength discharges (pence per M³)

Annual Consumption	Business Type			
	Launderettes	Car washes	Dry cleaners	Commercial swimming pools
0-500m ³	62.78p	41.24p	35.55p	45.28p
500-1000m ³	64.29p	42.75p	37.06p	46.79p
1000-5,000m ³	59.04p	37.50p	31.80p	41.54p
5000-20,000m ³	59.11p	37.58p	31.88p	41.61p
20,000-50,000m ³	59.48p	37.95p	32.25p	41.98p
50,000-250,000m ³	59.94p	38.41p	32.71p	42.44p
over 250,000m ³	59.08p	37.54p	31.84p	41.57p

Table 5 Miscellaneous Trade Effluent charges

Description	Charge
Minimum charge per annum or duration of consent, whichever is the shorter	£154.29
Sampling and analysis charge (per sample)	£140.69
Trade effluent consent application	£140.69
Ammoniacal nitrogen treatment charge per mg in excess of 35mg/l expressed as a fraction of 35	2.40p/m ³

Table 6 Large volume user charges

If your bill is more than £89,728 at a single site you will be charge based on our large user trade effluent tariffs.

Description	Charge
Large volume annual supplementary charge (fixed)	£17,894.60
Charge per cubic metre or kilogram of trade effluent at standard strength	
Reception and conveyance (R) 20000m ³ -50000m ³	12.55p/m ³
Reception and conveyance (R) 50000m ³ -250000m ³	13.01p/m ³
Reception and conveyance (R) Over 250000m ³	12.14p/m ³
Primary treatment (V)	12.42p/m ³
Biological treatment (B)	35.76p/kg
Solids treatment (S)	45.35p/kg

5.0 Contact us

You can contact us at:

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www.severntrentconnect.com