

SW1A 1AA

Thames Water

Parliament — Zone 0058

Prepared for Property Searches Direct



Fair

Water has some concerns worth addressing

Report date	27 July 2026
Data source	DWI Annual Compliance Reports 2026
Data period	January – December 2025
Report ID	MTW-RPT-SW1A1AA-20260727

Summary

SW1A 1AA — Thames Water

Expert summary

The Parliament supply zone delivers hard water that scores a fair 47 out of 100, with strengths in mineral balance but significant concerns pulling the overall rating down. The most notable issues are a Purity score of zero, driven by microbiological sample failures and a large number of active enforcement notices, alongside a low Compliance score reflecting ongoing regulatory attention. Safety parameters such as nitrates and heavy metals are within legal limits but worth monitoring.

Score breakdown

Component	Weight	Score	Explanation
Safety	50%	70	Nitrates, lead, arsenic, fluoride and pesticides all fall well within legal limits, supporting a solid safety score. However, one E. coli failure and two coliform failures
Purity	25%	0	The Purity score of zero reflects the combined weight of 30 active enforcement notices alongside confirmed microbiological failures, including an E. coli detection.
Minerals	10%	85	Calcium at 103.8 mg/L and total hardness of 290 mg/L sit in a range associated with good mineral content, and pH is stable between 7.6 and 8.0.
Compliance	15%	25	With 30 active enforcement notices spanning turbidity, asset ingress, service reservoir turnover and lead, the compliance picture is poor. This volume of ongoing

Hardness

260 mg/L CaCO₃

Hard



Chlorine averages 0.65 mg/L and reaches 1.09 mg/L at its highest, which may impart a noticeable taste or odour at times. Trihalomethanes are low, with a mean of 15 micrograms per litre against a legal ceiling of 100. The pH sits in a reassuring range of 7.6 to 8.0.

Key findings

Thames Water has 30 active enforcement notices covering PFAS or other quality improvements. The company is legally required to complete these improvement programmes.

Bacterial compliance

Coliform bacteria

98.6%

144 samples · 2 failures

E. coli

99.3%

144 samples · 1 failures

Full parameter breakdown

Safety parameters

Safety parameters

The parameters most closely tied to long-term health, each with a UK legal limit.

Nitrate Legal limit: 50 mg/L Min 23 · Max 34.5 mg/L · 51 samples	28.4 mg/L	Getting higher
Lead (average) Legal limit: 10 µg/L Min 0.9 · Max 2.3 µg/L	1.1 µg/L	Low — fine
Lead (maximum sample) Legal limit: 10 µg/L	2.3 µg/L	Low — fine
Fluoride Legal limit: 1.5 mg/L Min 0.12 · Max 0.2 mg/L	0.15 mg/L	Low
Arsenic (maximum) Legal limit: 10 µg/L	1.3 µg/L	Low — fine
Pesticides (total) Legal limit: 0.5 µg/L (total) Min 0 · Max 0.023 µg/L	0.003 µg/L	Low — fine
Nitrite Legal limit: 0.5 mg/L		Not reported

What this means for you

Nitrate sits at a mean of 28.4 mg/L and peaks at 34.5 mg/L, comfortably below the legal limit of 50 mg/L. Lead averages just 1.1 micrograms per litre with a maximum of 2.3, well under the 10 microgram limit. Arsenic reaches no more than 1.3 micrograms per litre, and fluoride averages 0.15 mg/L, far below the 1.5 mg/L standard.

Full parameter breakdown

Purity & mineral parameters

Purity parameters

Chlorine (average) Typical UK range: 0.1–0.5 mg/L Max 1.09 mg/L	0.65 mg/L	High
THMs (trihalomethanes) Legal limit: 100 µg/L Min 12 · Max 17 µg/L	15 µg/L	Low
pH (acidity) Legal range: 6.5–9.5 Min 7.6 · Max 8	7.81	Ideal range
Bromate (maximum) Legal limit: 10 µg/L	5.5 µg/L	Moderate
Aluminium Legal limit: 200 µg/L		Not reported
Turbidity (clarity) Legal limit: 4 NTU		Not reported

Mineral parameters

Hardness 18.2 °Clark · 14.5 °dH · 26 °f · 2.6 mmol/L	260 mg/L CaCO3	Hard
Calcium	104 mg/L	Measured
Iron (maximum) Legal limit: 200 µg/L	26 µg/L	Low
Copper (maximum) Legal limit: 2 mg/L	0.51 mg/L	Moderate
Manganese Legal limit: 50 µg/L		Not reported
Sodium Legal limit: 200 mg/L		Not reported
Nickel (maximum) Legal limit: 20 µg/L	26.6 µg/L	Elevated
Conductivity Legal limit: 2500 µS/cm		Not reported

Recommendations

Based on your water quality data

Recommended for your postcode

Given the active enforcement notices covering microbiological quality, lead, turbidity and service reservoir management, combined with the zone's hard water and periodic chlorine presence, a few practical steps are worth considering to improve the water you use day to day.



Water softener

Your water measures 260 mg/L CaCO₃ (hard). An ion-exchange softener protects boilers, appliances and bathrooms from limescale and typically pays for itself in hard-water areas through lower energy and maintenance costs.



Reverse osmosis or activated carbon filter

Thames Water has an active enforcement notice covering PFAS or related improvements. Reverse osmosis and quality activated-carbon filters are the most effective home treatments for reducing PFAS while the company completes its improvement programme.



Reverse osmosis filter

Nitrate in your zone averages 28.4 mg/L — legal, but on the higher side. A reverse osmosis system removes nitrates effectively if you want an extra margin, particularly for households with bottle-fed infants.



Filter jug for taste

Chlorine averages 0.65 mg/L — safe, but you may taste it. A simple carbon filter jug (or letting a covered jug stand in the fridge for an hour) removes the taste completely.

Hardness unit conversions

Softener and appliance specifications quote hardness in different units — here is your water in all of them.

mg/L CaCO ₃ (ppm)	260
Clark degrees (°Clark)	18.2
German degrees (°dH)	14.5
French degrees (°f)	26
Millimoles per litre (mmol/L)	2.60

About this report

SW1A 1AA — Report MTW-RPT-SW1A1AA-20260727

About your local supply

Thames Water's supply in central London typically draws on a blend of Thames river water and groundwater from chalk and limestone aquifers beneath the Home Counties and Thames Valley. This geology naturally contributes calcium and bicarbonate minerals, which explains the moderately hard water here at 260 mg/L as CaCO₃. Treatment processes add chlorine to manage microbial risk across the extensive distribution network serving this densely populated zone.

About MyTapWater

MyTapWater is a free public tool that makes UK water quality data accessible to everyone. We aggregate data from all 21 water companies into a single postcode lookup, covering 1.8 million UK postcodes and more than 1,300 water supply zones.

Data source

All data in this report comes from official annual compliance reports published by UK water companies under the Drinking Water Inspectorate's regulatory framework. Data period: January – December 2025. Values are as reported by Thames Water for supply zone 0058 (Parliament).

Disclaimer

This report is for informational purposes only and does not constitute medical or health advice. All UK tap water meets legal safety standards. The water quality scores and ratings reflect quality relative to ideal ranges — not safety. If you have specific health concerns, please consult a qualified health professional.

Contact

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Check any UK postcode free at mytapwater.co.uk