

SW1A 1AA

Thames Water

Parliament — Zone 0058

Prepared for Sample Report



Fair

Water has some concerns worth addressing

Report date	29 July 2026
Data source	DWI Annual Compliance Reports 2026
Data period	January – December 2025
Report ID	MTW-RPT-SW1A1AA-20260729

Summary

SW1A 1AA — Thames Water

Expert summary

The Parliament supply zone serves around 55,000 people with water that is moderately hard and broadly safe by the standards of a major urban supply. Two things stand out immediately: a Purity score of zero, driven by a substantial number of active enforcement notices across a range of operational areas, and a coliform record that shows a small number of sample failures. Minerals are reassuringly well-balanced and safety parameters sit comfortably within legal limits, giving a nuanced overall picture of Fair.

Score breakdown

Component	Weight	Score	Explanation
Safety	50%	70	Nitrate, arsenic, lead and fluoride all sit well within legal limits, and pesticide levels are negligible.
Purity	25%	0	Thirty active enforcement notices are in place across this zone, covering turbidity, service reservoir management, asset ingress, lead and PFAS among other areas. The number and breadth of these notices drives the Purity score to zero, reflecting significant ongoing regulatory intervention.
Minerals	10%	85	Calcium at 103.8 mg/L and total hardness at 290 mg/L as CaCO ₃ indicate a moderately hard but mineralogically balanced supply. pH is stable between 7.6 and 8.0, and the mineral profile is consistent with a well-managed chalk-influenced water, earning a strong Minerals score.
Compliance	15%	25	With 30 active enforcement notices in force, the zone's compliance picture is substantially below average. Notices span operational, microbiological, lead and PFAS categories, indicating that the regulator has identified a wide range of issues requiring formal corrective action.

Hardness

260 mg/L CaCO₃

Hard



Chlorine averages 0.65 mg/L and reaches 1.09 mg/L at peak, levels that some residents may detect as a faint taste or odour, though both are within the 5 mg/L legal maximum. Trihalomethanes average 15 micrograms per litre, well within the 100 microgram limit. pH sits in a tight and comfortable 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 averages 28.4 mg/L and peaks at 34.5 mg/L, well within the 50 mg/L legal limit. Arsenic reaches a maximum of 1.3 micrograms per litre, far below the 10 microgram limit. Lead is measured at a mean of 1.1 micrograms per litre with a maximum of 2.3, against a legal limit of 10. Fluoride averages 0.15 mg/L, well 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

The combination of active enforcement notices spanning microbiology, lead, PFAS and operational compliance, alongside two coliform and one E. coli sample failure, means this zone warrants closer attention at the household level. The moderately hard water at 260 mg/L as CaCO₃ adds a practical dimension around appliance care and taste.



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-20260729

About your local supply

Thames Water draws on a blend of sources across its region, typically combining chalk and limestone groundwater from the Chilterns and North Downs with river water from the Thames and its tributaries, all put through treatment before reaching central London. This mixed origin is consistent with the Parliament zone's total hardness of 290 mg/L as CaCO₃ and a calcium reading of 103.8 mg/L, both characteristic of chalk-influenced supply.

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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