

## Gate three query process

Strategic solution(s)	London Water Recycling (LWR)
Query number	LWR006
Date sent to company	10/01/2025
Response due by	14/01/2025

### Query

- Please can the SRO provide evidence of consideration of the requirements of regulation 15 and how this will be further / continually developed prior to the submission.
- Does the SRO have any plans for water quality monitors at Teddington and any additional monitoring at the intakes to Coppermills and Chigwell works
- The SRO is proposed for use every 2 years; how will the SRO prevent stagnation of water in the short piece of connecting pipework from Teddington weir abstraction point to the TLT. Will the raw water abstraction element of the SRO have a startup procedure?
- Do the SRO have a plan for engagement with consumers regarding changes to water quality, for instance, taste / odour / feel and alkalinity / hardness?

### Solution owner response

*This response has been written in line with the requirements of the RAPID Gate 3 Guidance and to comply with the regulatory process pursuant to Thames Water's statutory duties. The information presented relates to material or data which is still in the course of completion. Should the solution presented be taken forward, Thames Water will be subject to the statutory duties pursuant to the necessary consenting process, including environmental assessment and consultation as required. This response should be read with those duties in mind.*

**Q1: Please can the SRO provide evidence of consideration of the requirements of regulation 15 and how this will be further / continually developed prior to the submission.**

R1: Regulation 15 relates to the requirement to risk assess and monitor new sources of water. This is achieved through data collected as part of a specific water quality monitoring programme which commenced in 2020 under RAPID Gate 1 and has been ongoing monthly since. Sampling programmes have been reviewed regularly and where applicable additional determinands are added to the programme. The sampling of new sources complies with the requirements of Regulation 15.

Our water quality monitoring will continue through Gate 4; 2025 and 2026 as we develop our proposals for a development consent.

**Q2: Does the SRO have any plans for water quality monitors at Teddington and any additional monitoring at the intakes to Coppermills and Chigwell works**

R2: The design development of Teddington DRA is still ongoing and the requirements for monitoring water quality at the abstraction point during operation is still to be confirmed but will comply with Thames Water's Asset Management Standard for surface water abstractions.

Wherever possible access to existing monitoring stations, for example Environment Agency stations, will provide information on river water quality.

No additional monitoring is planned at Coppermills WTW as part of the Teddington DRA. Chigwell WTW will not receive any water from Teddington DRA.

**Q3: The SRO is proposed for use every 2 years; how will the SRO prevent stagnation of water in the short piece of connecting pipework from Teddington weir abstraction point to the TLT. Will the raw water abstraction element of the SRO have a startup procedure?**

R3: The connecting pipework from the abstraction to the TLT connection will be designed in order to be fully drained down and purged prior to start up. A start-up procedure will be developed for abstraction through Gate 4.

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**Q4: Do the SRO have a plan for engagement with consumers regarding changes to water quality, for instance, taste / odour / feel and alkalinity / hardness?**

R4: Technical engagement and consultation will continue with stakeholders and customers for Teddington DRA as it progresses through planning.

Teddington DRA is a new raw water abstraction with the recycled water created discharged downstream of the Project's abstraction point. It takes river water that is similar in make-up to water abstracted from Hampton. There are therefore no changes predicted to taste, odour, feel, alkalinity or hardness compared to the existing and current situation. It is therefore viewed that no dedicated engagement with customers is required for these aspects for Teddington DRA.

Mogden and Beckton water recycling schemes are full recycling schemes with discharges upstream of abstractions so as these progress through the RAPID gated process further customer engagement on key water quality parameters will be undertaken.

If you require any further information, please contact the strategic solution contact below.

<b>Date of response to RAPID</b>	14/01/2025
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