

## Gate 2 queries process

<b>Strategic solution(s)</b>	River Severn to River Thames Transfer
<b>Query number</b>	STT001
<b>Date sent to company</b>	Friday 18 <sup>th</sup> November 2022
<b>Response due by</b>	Tuesday 22 <sup>nd</sup> November 2022

### Query

Section 5.2 in the *STT-G2-S1-001-STT Detailed Feasibility and Concept Design* did not mention South East Water (SEW). SEW have a River Thames Abstraction at Bray.

Has this point been considered in both hydraulic calculations (abstraction volume in river flows) and has this treatment works been considered in the water quality risk assessments?

What, if any engagement has been had with SEW Stakeholders and Water Quality Team? Where is this referenced?

### Solution owner response

We confirm that South East Water's River Thames abstraction at Bray has been considered in the hydraulic modelling and assessment of the River Thames. For your ease of reference an extract from the Gate 2 annex B3.2: Water Quality Assessment Report, section 3.9 (page 56) is provided below where this is recorded.

Public water supply abstractions are also included in hydraulic modelling. In addition to the Thames Water abstraction in the middle River Thames at Farmoor (upstream of Culham), Thames Water, Affinity Water and South East Water abstractions in the lower River Thames which are of particular importance for considering the effects of the STT Solution are:

- Bray
- Datchet
- Sunnymeads
- Staines
- Egham
- Laleham/Littleton
- Chertsey
- Walton (Affinity Water)
- Walton (Thames Water)
- Hampton
- Surbiton.

SEW's abstraction at Bray was however omitted from the STT Gate 2 strategic water quality risk assessment (SWQRA).

The Bray abstraction is in reasonable proximity to both the Thames Water and Affinity Water abstractions. We would expect that the drinking water quality risks for the Bray abstraction would be similar to those for the Thames Water and Affinity abstractions and would not materially change the Gate 2 SWQRA findings.

It is however noted that SEW's relevant DWSP and other site-specific data will need to be reviewed to assess and confirm this, identifying in consultation with SEW specific risks to SEW's consumers. This will be undertaken early in Gate 3.

<b>Date of response to RAPID</b>	21 <sup>st</sup> November 2022
<b>Strategic solution contact / responsible person</b>	<div style="background-color: black; width: 100px; height: 15px; margin-bottom: 5px;"></div> askSTT@jacobs.com