

## Accelerated gate two queries process

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| <b>Strategic solution(s)</b> | Havant Thicket |
| <b>Query number</b>          | HAV005         |
| <b>Date sent to company</b>  | 14/12/2021     |
| <b>Response due by</b>       | 16/12/2021     |

### Query

The CDI refers to 'final WSP' on pg10, yet we note on Pg12 that it is stated that the 'risk continues to be explored'. Can you confirm that these and any future risks identified will continue to be fed into the WSP as a live document.

### Solution owner response

Yes, we can confirm that these and any future risks will be continually reviewed and mitigations worked on to ensure that the WSP remains a live document. The SW process is aligned to BS EN 15975-2 (Risk assessment and management of Water Supply Systems) and WHO WSP Guidance. This ensures compliance with Regulation 27 and 28 of the WS (WQ) Regulations. This is available on request.

We will continue to work with Portsmouth Water to understand risks to raw water as below between Gate 2 and 3.

- The WSP for HTR will be reviewed and updated as more data is obtained from PW's sampling of Bedhampton and Havant springs as well as the feeder streams that will make up Havant Thicket Reservoir's water.
- A raw water quality model will be developed to include the blend of springs and recycled water and we'll investigate the modelled risks from a pathogenic, metals and nutrients standpoint, so we understand the risks during fill and draw over time. This model will take into account the hydraulics modelling as well (MIKE3D / CORMIX). The output from this model will feed into the WSP.

- A Quantitative Microbial Risk Assessment and Quantitative Risk Chemical Assessment will be developed and will use the modelled data prediction from part 2 above. The output from the QMRA and QRCA will be used to also inform the WSP.

The findings of these will be fed into the WSP which will keep evolving as we better understand the risks from the “blended” water. The evolving WSP will be shared with the Drinking Water Inspectorate. The process above has been discussed with our DWI / RAPID Point of Contact.

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| <b>Date of response to RAPID</b>                       | 15/12/21                 |
| <b>Strategic solution contact / responsible person</b> | [REDACTED]<br>[REDACTED] |