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## Gate three query process

Strategic solution(s)	HWTWR
Query number	HAM008
Date sent to company	10/09/2024
Response due by	19/9/2024

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### Query

- We note the requirements of reg 31 have been considered for the WRP. Can you please confirm that the need for reg 31 approved products has been recognised for the components of the system downstream of the abstraction point at Havant Thicket and how will this be tracked?
- Can you please provide a summary as to how the design aligns with the Resilience of water supplies in Water Resource Planning – Guidance Note ([dwi.gov.uk](http://dwi.gov.uk)) on long term planning, and The Water Supply (Water Quality) Regulations 2016 ([legislation.gov.uk](http://legislation.gov.uk)) for England and The Water Supply (Water Quality) Regulations 2018 ([legislation.gov.uk](http://legislation.gov.uk)) for Wales.

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### Solution owner response

The agreed point within the HWTWRP system where Reg 31 would start to apply is the abstraction point from Havant Thicket Reservoir (HTR) and this is within Portsmouth Water’s remit of design and construction (out of scope of the HWTWRP project). The downstream transfer system (in scope of the HWTWRP project) will comply with Reg 31 - including the HLPS, IPS’s, break pressure tanks and any related ancillary items. Given the current and projected availability of existing compliant Reg 31 valves, pipes, tanks, etc., this is deemed a low risk element.

SW is cognisant of the requirements of Reg 31 from the boundary at HTR downstream to Otterbourne Water Supply Works into the distribution network. To ensure Reg 31 compliance is continued through the design, construction, maintenance and operational phases of the Competitively Appointed Provider (CAP) this will be clearly specified within the contract requirements, then audited and reviewed by both the Independent Technical Advisor (working for Ofwat and SW) and Southern Water / Portsmouth Water (for their specific sections). Further details will be shared with the DWI as this specification is developed.

The Water Supply (Water Quality) Regulations 2016 and the Resilience of water supplies in Water Resource Planning – Guidance Note, are key to the understanding and developing required water quality parameters to ensure the quantity of water required. There is continued water quality sampling at Budds Farm (crude and final) which, with the existing modelling, on the blended water within HTR provides our working assumptions until physical sampling is possible.

The quantity of flow from the WRP (Water Recycling Plant) (fed by Budds Farm Waste Treatment Works) will remain consistent given there are no plans to divert flows from Budds Farm catchment that would compromise the volume available for purification at the WRP.

An assessment has also been completed on the impact of the raw water transfer and then, out of the project scope, how this is treated at SWS's Otterbourne WSW and PW's Farlington WTW and the impacts to the wider network (part of Drinking Water Safety Plans). This is regularly reviewed by the respective Water Quality specialist teams within Southern Water and Portsmouth Water.

Resilience (quantity) within the wider Hampshire Water Resource Zones is captured in the WRMP programme, of which HWTWRP is a key element.

<b>Date of response to RAPID</b>	19/9/2024
<b>Strategic solution contact / responsible person</b>	REDACTED