
Gate 1 queries process

Strategic solution(s)	Minworth
Query number	MIN004
Date sent to company	27/07/2021
Response due by	29/07/2021

Query

Please provide details on where the reference to liaison with company Drinking Water Quality teams and DWI can be found in the submission. If it hasn't been included in the submission, please indicate what liaison with company Drinking Water Quality teams and DWI regarding the solution has taken place.

Solution owner response

In all cases the documents submitted to RAPID contain information that is commercially confidential. Please ensure that appropriate steps and safeguards are observed in order to maintain the security and confidentiality of this information. Any requests made to RAPID or any organisation party by third parties through the Freedom of Information Act 2000, the Environmental Information Regulations 2004, or any other applicable legislation requires prior consultation and consent by each of Severn Trent Water Limited, and Affinity Water Limited in relation to Minworth SRO before information is released as per the requirements under the respective legislations. The content of the requested documents is draft and relates to material or data which is still in the course of completion in travel to Gate 2, and should not be relied upon at this early stage of development and is liable to further change as more information comes to light as a result of further investigations. We continue to develop our thinking and our approach to the issues raised in the document in preparation for Gate 2.

Query 1

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Query response

It is important to note that Minworth SRO is a source SRO, providing augmentation into the system to all GUC and STT SROs to abstract further downstream. Ultimate accountability for the drinking water quality for this scheme sits with Thames Water and Affinity Water, through the STT and GUC SROs respectively.

In conjunction with these two SROs, Minworth investigates the water quality, and treatment requirements to facilitate the discharges into the River Avon or canals. Downstream investigations within the receiving waterbodies, and therefore at abstraction points and drinking water considerations are covered within the relevant “transfer SRO”, GUC or STT.

The Minworth Gate 1 submission document mentions DWI engagement in Gate 1 in sections:

- 5.7 – Acknowledgement that we have engaged with the DWI to develop scopes for the relevant work packages,
- 5.33 – Engagement regarding the development of the WQ monitoring plans,
- 8.4 – Stakeholder section noting DWI engagement on formation of water quality monitoring plans,
- 8.12 & 8.13 – notes engagement around the water quality monitoring plan, specifically where we have addressed concerns on emergent contaminants by including them in our Water Quality monitoring plan; and
- 14.6, 15.1 and 15.6 also describe the proposed DWI engagement in Gate 2.

Engagement with the DWI for Minworth SRO has largely been in combination with STT and GUC, as the monitoring of Minworth water quality is included in those work packages. Minworth SRO is included within the water quality risk assessments, following the ACWG Treated Water Methodology, for GUC and STT. STT also completed the assessment for Bristol Water's [REDACTED] WTW, as discharge into the River Avon would create a change in source water. Bristol Water was engaged and in agreement with the completed risk assessment.

We can confirm that various members of Severn Trent Water and Affinity Water's water quality teams have been involved in the water quality assessments and the

scoping of all phases of water quality monitoring through Gate 1 and into Gate 2 and workshops for both STT and GUC.

Minworth SRO has been discussed with DWI at quarterly engagement meetings. These meetings have been very productive with DWI generally supportive of the scheme and agreeing there is the right level of detail for this stage. We have considered DWI's feedback in our planned G2 activities. The Gate 1 DWI engagement meetings held were on:

Meeting Date	Organisations attending	Brief description
03/12/19	RAPID, DWI, EA, AfW, STW	RAPID QLM
05/03/20	RAPID, DWI, EA, AfW, STW	RAPID QLM
01/06/20	RAPID, DWI, EA, AfW, STW	RAPID QLM
01/09/20	RAPID, DWI, EA, AfW, STW	RAPID QLM
02/09/20	DWI, AfW, STW	<ul style="list-style-type: none"> • An introduction to Minworth and GUC SRO: <ul style="list-style-type: none"> ○ Project governance ○ Project scope and context ○ Minworth timeline and key activities ○ Top risks and issues
01/10/20	RAPID, DWI, NAU, AfW, STW, Canal & River Trust	<ul style="list-style-type: none"> • Project overview
23/11/20	DWI, AfW, STW	<ul style="list-style-type: none"> • Stakeholder & Customer engagement • WQ sampling & WFD assessment • Early feedback on treatment locations • DWI assessment – accelerated scheme learning & information sharing
09/12/20	RAPID, DWI, EA, AfW, STW	RAPID QLM
20/01/21	RAPID, DWI, NAU, AfW, STW, Canal & River Trust	<ul style="list-style-type: none"> • Project overview • Progress update • Programme • Risks • Minworth re-use linking 3 SROs • Procurement and planning
12/02/21	DWI, AfW, STW	<ul style="list-style-type: none"> ○ WQ sampling phase 1 and 2 <ul style="list-style-type: none"> ○ Water quality risks ○ Agree on parameter list

Meeting Date	Organisations attending	Brief description
		<ul style="list-style-type: none"> ○ Discussion of ACWG methodology ○ Future engagement
09/03/21	RAPID, DWI, EA, AfW, STW	RAPID QLM
21/05/21	DWI, AfW, STW	<ul style="list-style-type: none"> • Recap of different WQ workstreams for the SRO • Treated Water Methodology • WQ Monitoring Phase 2 <ul style="list-style-type: none"> ○ Frequency vs cost of sampling
07/06/21	RAPID, DWI, AfW, STW	<ul style="list-style-type: none"> • Project scope • Overview of technical workstreams <ul style="list-style-type: none"> ○ Canal modelling ○ Planning ○ Procurement ○ Engagement ○ Environment • Integrated design concept • Operational strategy
09/06/21	RAPID, DWI, EA, AfW, STW	RAPID QLM
21/07/21	RAPID, DWI, AfW, STW, Canal & River Trust	RAPID Post Gate 1 Submission Meeting

Gate 2 quarterly engagement meetings with the DWI are already planned with the first of these taking place in September. These will be used to give updates on the findings of the WQ sampling programmes at Minworth.

The Minworth scheme also benefits from having [REDACTED] of the DWI as the RAPID regional engagement lead.

Date of response to RAPID	28/07/21
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