

## Minutes of Meeting

**Project:** HS2 MWCC Lot C1  
**Document number:** 1MCo5-ALJ-EV-MRC-C001-610036  
**Meeting Date and Time:** 13/09/2018, 13:00 – 14:30  
**Meeting Title:** Water Framework Directive and Article 4.7 derogation  
**Location:** HS2, 6<sup>th</sup> Floor, 2 Snowhill, Birmingham

### Attendees

Name	Organisation
Reg. 13	HS2
Reg. 13	Environment Agency
Reg. 13	Environment Agency
Reg. 13	Environment Agency
Reg. 13	Environment Agency
Reg. 13	Environment Agency
Reg. 13	Atkins
Reg. 13	Align-D
Reg. 13	Align-D

### Apologies

Name	Organisation

### Distribution

Name	Organisation
Attendees + Apologies	

### Minutes

#	Actions and Notes	Action	Date
1	<b>WFD assessments and reporting</b>		
1.1	Updated WFD report (Section C1) – Reg. 13 and Reg. 13 agree that report structure as presented covers off main issues that need to be considered. Reference to water monitoring documents / reports is acceptable – there is no requirement to include the details in the report or as appendices		

#	Actions and Notes	Action	Date
1.2	<p>WFD monitoring plan – contact details needed for area staff that commented on the report</p> <p>Initial overview of responses to comments presented by <sup>Reg. 13</sup>, with no major issues identified during the meeting. The report will be updated and formally submitted through <sup>Reg. 13</sup></p>	Reg. 13	05/11/18
1.3	<p>WFD compliance forms – EA not looked at in detail yet, but preliminary review is that the layout, content and level of detail is sufficient. Forms are similar to those submitted by SCS for section S2.</p> <p>EA to provide comments on the forms by end Sept</p> <p>EA confirmed acceptance of green for Radlett Tertiaries, but need to send details to S2 to allow cumulative to be assessed</p>	<p>Reg. 13</p> <p>Reg. 13</p>	<p>30/9/18</p> <p>30/9/18</p>
2	<b>Article 4.7 discussions</b>		
2.1	Article 4.7 derogation would only be required, as it stands, for the Mid-Chilterns Chalk groundwater WFD water body.		
2.2	General water quality - <b>Reg. 13</b> confirmed that a robust argument needs to be put together confirming why a derogation is not required. This should focus on the proportion of the WFD water body that could potentially be affected and the fact that it is not significant compared to the size of the WFD water body (i.e. less than 20% of the water body as per the guidance). Other lines of evidence should also be included such as transient nature of the effect, any poor quality water would be removed by on-going abstraction, movement out of river valleys would be constrained by low permeability interfluves etc. In principle this is acceptable to the EA.	Reg. 13	31/10/18
2.3	<p>Drinking Water Protected Area - <b>Reg. 13</b> consider that due to the uncertainty of effect of the construction on groundwater movement it is appropriate to undertake and Article 4.7 derogation and, if certainty improves, it can be subsequently removed. Outline of what would go in the Article 4.7 discussed and agreed.</p> <p><sup>Reg. 13</sup> to confirm when the sampling dates for the WFD water body would be and what type of sampling is required here. This would help determine when the monitoring would fit with the proposed HS2 programme.</p> <p><b>Reg. 13</b> to discuss and advise on whether changes in the levels of manganese would lead to a significant effect on the WFD water body if they are below the drinking water standards.</p> <p>Text would need to be included in the RBMP to confirm the derogation. Align to draft text for Environment Agency review / approval.</p> <p><sup>Reg. 13</sup> confirmed that the Environment Agency would sign off the WFD documentation.</p>	<p>Reg. 13</p> <p>Reg. 13</p> <p>Reg. 13</p>	<p>04/11/18</p> <p>04/11/18</p> <p>31/10/18</p>
3	<b>AOB</b>		
3.1	TBM – <sup>Reg. 13</sup> has been provided with a list of greases to be used on the TBM. All are insoluble, some will be left on the tunnel wall by the	Reg. 13	31/10/18

#	Actions and Notes	Action	Date
	TBM during boring. <sup>Reg. 13</sup> to arrange for information (MSDS, volumes etc.) to be obtained and used on <sup>Reg. 13</sup> form.		
3.2	U&A49 package of reports. Reports not all looked at yet, but no substantial issues at this stage from cursory review. <sup>Reg. 13</sup> comment re. need to update with additional GI data in the future. <sup>Reg. 13</sup> to provide comments on reports to allow them to be amended and formally submitted to allow sign off prior to construction starting (Feb 19). Need to liaise with Affinity Water	<sup>Reg. 13</sup>	15/10/18
4	<b>Next Meeting</b>		
4.1	To be arranged as required		

**Attachments:**

1. <sup>Reg. 12(4)(d)</sup>