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Your Ref
TR030001
Our Ref
ADW/Y059258
Date
12 October 2012

Dear Mike

Able Marine Energy Park
Second response to examining Authority's 26 September Rule 17 request

This is a response to the Rule 17 letter issued by the examining Authority on 26 September, where a response was requested by 12 October.

- (a) which channel it was to which Mr Keiller intended to refer; and***
(b) whether Mr Keiller wishes to amend his evidence in the light of that clarification?

I attach a letter from Mr Keiller which explains the channels he was referring to at the appropriate points in the hearing, together with a plan.

Yours sincerely

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Dear Sirs

In order to respond to your query, I have provided below an annotated copy of the relevant part of the audio file, naming in blue italic font the precise creek I was referring to at each point. The creek referred to as Cherry Cobb Sands Creek runs the whole length of the foreshore along this part of the North bank of the Humber and enters the Humber low tide channel about 3 km south east of the Stone Creek sluices. We have described Stone Creek as the short section of channel that connects the sluices to Cherry Cobb Sands channel.

Mr Upton's question as recorded in the audio file was:

.....Now, my question to you is, is anything which you are proposing to do here likely to have adverse consequences on the water regimes in and through Stone Creek and to increase any risk arising from that?

Our reply according to the audio file was:

I think the problem at Stone Creek is that there's a fresh water flow going out through there and it's being countered by the siltation of the Humber and...

It's very much the point being made last week...

Yeah. That's entirely true and it's a balance and if you don't... And at the beginning of the winter, the levels in the creek [*Stone Creek and the part of Cherry Cobb Sands Creek south of the confluence with Stone Creek*] should be higher than they are at the end of the winter when there's been a lot of fresh water flow. I'm sure that's very much the case that will happen. And what we are going to do over the long term, by having a regular larger tide discharge through from this managed realignment site down pass the [*Cherry Cobb Sands Creek past*] Stone Creek will be to enlarge that creek [*Cherry Cobb Sands Creek*]. And so, that in the fight between the fresh water and the siltation coming up, the fresh water has a help because it's got this regular flow going past it.

So in your view, a secondary consequence of these works on Cherry Cobb Sands will be to create a hydraulic effect which would be beneficial for the clearing of Stone Creek, and therefore, it might lead to reduce the flood danger. I'm not trying to put words into your mouth but is that...

No, that is my view over the long term. I think immediately, because the creek [*Cherry Cobb Sands Creek*] won't have time to adapt, it's a very short period when you first breach it when there could be an issue because you're putting more water into a small creek [*Cherry Cobb Sands Creek*]. And so, if you were unfortunate enough to have a major flood at the same time, there would be an issue, yes, I can see that, but I think that's a short term issue while the creek [*Cherry Cobb Sands Creek*] adapts to the change in regime. So it's a small risk in the short term.

Even if you're a resident of Holderness, it doesn't sound like very enlightening.

[laughter]

Well, the problems at Holderness arise with return periods of one in 50, whatever it is. I don't know what the floods of 2007 were. They're quite long return periods. The chance of it happening in the winter that you breach aside would be quite small.

I hope this makes it clear which creek was being referred to at each point in the transcript.

David Keiller

Black & Veatch 11 October 2012.



KEY

Rev	Date	Comments	Drw	Chk	App
A	12/10/12	Preliminary Issue	JH	RC	RC



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Project:	Able Marine Energy Park
Client:	Able Humber Ports Ltd
Title:	Cherry Cobb Sands Key Plan of Estuary Channels

PRELIMINARY

Scale:	1:1,250@A3	Drawn:	J Harris	Checked:	R Cram	Approved:	R Cram	
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