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Marine Management Organisation
Inshore Marine licensing Team
Marine Management Organisation
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gregor.mcniven@marinemanagement.org.uk

Your Ref: DC9172
Our Ref: RC.LH.A.L12-0663 (File 24)
Date: 21st November 2012
Email:

For the attention of Gregor McNiven

Dear Mr McNiven

**ABLE MARINE ENERGY PARK
MMO COMMENTS ON ADDITIONAL ENVIRONMENTAL INFORMATION SUBMITTED
BY ABLE UK LTD ON 12TH OCTOBER 2012**

I refer to your letter dated 9th November 2012 regarding the above and would respond as follows:-

1.0 **Applicants Comments on Answers to 2nd Set of Examiners Questions**

Noted.

2.0 **EX7.6, Able Marine Energy Park Dredging Strategy**

This document has been updated in line with your comments (see attached EX7.8A).

3.0 **EX8.7A, Modelling of the Final Quay Design**

Noted.

4.0 **EX8.12A, Water Framework Directive**

We await feedback from your review. Please find attached a revised version of the WFD assessment that has been reviewed by the Environment Agency.

5.0 **EX8.14, Hydraulic and Sediment Regime – Piled Structures**

Noted.

6.0 **EX8.15, Effect of Moored Vessels on Flows**

Noted.

7.0 **EX 8.16, Chapter 8 Signposting Document**

We have the following comments on the eight points raised on the signposting document:-

1. Noted.

cont./...



2. The gravel fraction dispersed from HU080 is assessed to disperse more slowly than predicted by the modelling (EX10.8A, attached). Where the gravel fraction is assessed to be transported across non mixed sediments the gravel will be mixed into the active transport layer. Hence during the dispersion process as gravel moves away from the placement site there will be some areas of the seabed that are predominantly of uniform size grading (muds and sands) which will gain a few percent gravel (by volume). It is accepted that these areas may be of changed character. Elsewhere the gravel is predicted to disperse into existing areas of mixed sediments (including gravels) this process is not considered likely to change the character of those mixed sediments.
3. Noted.
4. The rubble mound structure is described in EX8.7A, Section 3.2.1 and illustrated in Figure 3.1 of this document. The impacts of the rubble mound structures on wave reflection are assessed in Section 3.2.1 of EX7.8A. The area impacted is being compensated for, as explained in EX11.23.
5. Figure 8.10b has been produced at a larger scale than Figure 8.10a so that the effect of the rubble mound to the south of AMEP can be clearly seen. The rubble mound will not cause an impact beyond the area shown in this Figure. Figure 8.10c is provided to confirm this. Figure 8.11b has been produced at a larger scale than Figure 8.11a so that the effect of the rubble mound to the north of AMEP can be clearly seen. The rubble mound will not cause an impact beyond the area shown in this Figure. Figure 8.10c is provided to confirm this. Production of figures at the same scale will not provide further information
6. Noted.
7. Noted.
8. Noted. This table has been updated in the updated Dredging Strategy document (EX7.8).

8.0 **EX10.8, Disposal Site Characterisation and Impact Assessment (Gravel Fraction)**

A revised disposal site characterisation and impact assessment for the gravel fraction has been submitted to the MMO including data from the Environment Agency's WFD monitoring programme (2008 and 2010). The revised report is also attached to this response. We await feedback on your review of this information.

cont./...

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9.0 **EX10.9, Environmental Management and Monitoring Plan – Marine Works**

Revised EMMPs were submitted to PINS on 20th November. We await your feedback on these.

10.0 **EX28.3, Compensation Proposals**

Noted.

11.0 **EX31.5A, Factual Report on Geo-Environmental Ground Investigation, Cherry Cobb Sands (Final)**

Noted.

12.0 **EX44.2, Cumulative and In combination update (addendum to EX44.1)**

Noted.

Yours sincerely



RICHARD CRAM
Design Manager

Encl: EX7.8A Dredging Strategy
WFD Assessment