



# **Marine (Scotland) Act 2010**

**Dredging and Deposit of Solid Waste in the Territorial Sea  
and UK Controlled Waters Adjacent to Scotland**

**DREDGING OF GIRVAN HARBOUR 2018**

**MARINE LICENCE APPLICATION**

**SECTION 9 - METHOD STATEMENT APPENDIX**

**October 2017**

[Redacted]

[Redacted]

## **METHOD STATEMENT FOR DREDGING OPERATION**

### **(supplementary information for Section 9 of the Marine Licence Application)**

1. Details and the extent of the areas of the harbour to be dredged are shown on Drawing No. 17CB20/200/001, and are in accordance with the terms of the 'Grant of Right to Dredge' agreement between the Council and the Crown Estate.
2. A pre-dredge bathymetric survey extending out beyond the harbour mouth will be carried out prior to commencing any dredging operations, and a similar post-dredge survey once all dredging operations have been completed.
3. The proposed dredging works essentially comprise the dredging of the harbour basin down to 1.5m below chart datum and the main harbour approach channel down to 2.0m below chart datum over a width of 20m.
4. Based on the preliminary survey carried out in August 2017, it is expected that the average overall depth of material to be removed will be less than 1.0m. In some local areas within the harbour basin due to restricted access, it is anticipated that up to a maximum of 1.5m of material will have to be removed. In total it is estimated that approximately 2,200 cu.m. of sediment will be removed from the harbour basin and 8,800 cu.m. from the main harbour channel.
5. The site for disposal of dredged material which has been proposed in the Marine Licence Application is 2km west of Girvan, as shown on Drawing No 17CB20/200/003.
6. The harbour basin and the main harbour channel (as shown on attached Drawing No. 17CB20/200/001) dredged, and the dredged material transported out to sea for disposal in the designated offshore spoil ground some 2km west of Girvan. (See attached Drawing No. 17CB20/200/003). Once the harbour basin has been dredged to the required level, those areas of the main harbour channel identified from the pre-dredge bathymetric survey as having a sea bed level above the specified dredge level, will be similarly dredged, with the material being disposed of in the same designated offshore spoil ground.
7. Dredging of side slopes at the perimeter of the dredged areas shall be carried out such that after dredging the profile of the sea bed shall remain stable at the natural angle of repose for the particular material being dredged.
8. It is estimated that dredging operations will take approximately 15 days.
9. At the start of each working day the work boat Master will ensure that the work area is safe, that correct warning marks and lights are displayed, and that a security message is broadcast to shipping in the area. In addition a crewman will be tasked with sounding an audible horn or contacting approaching vessels by radio.

10. Prior to commencement a programme will be prepared and agreed taking due cognisance of tides, weather, access and traffic movements within the harbour.

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