

**Aberdeen Harbour Expansion Project  
Dredging & disposal marine licence application  
Continuation sheet  
November 2019**

**Continuation of Question 6:  
Dredging and Sea Disposal Details**

The coordinates of the overall dredge area are provided on the application form under 'Dredge Area A'.

The individual dredge areas A-G are shown on drawing AHEP-DRA-SKE-0142-001\_rev2 submitted with the application, and separate drawings are provided for each dredge area.

**Continuation of Question 7:  
Details of Substance(s) or Object(s) to be Dredged**

*Table continued from application form*

<b>Dredge Area</b>	<b>Name of Dredge Area</b>	<b>Type (Maintenance or Capital)</b>	<b>Harbour bed, Seabed or Estuary bed?</b>	<b>Depth (metres)</b>	<b>Estimated Specific Gravity</b>	<b>Quantity to be Dredged per Year (wet tonnes)</b>
F	South Breakwater Roundhead & Trenches	Capital	Seabed	-15.24m CD	1.7 - 2.7 (variable)	See below
G	West Quay	Capital	Seabed	Slope to -12.55m CD	1.7 - 2.7 (variable)	See below

Dredge volumes

- Quantity permitted under existing Dredging & Disposal Licence: 6,120,000 wet tonnes
- Quantity already dredged at the time of this application: 4,717,120 wet tonnes
- Quantity remaining to be dredged: 1,402,880 wet tonnes
- Maximum quantity to be dredged per year: 1,402,880 wet tonnes

**Continuation of Question 8:  
Physical Composition of Substance(s) or Object(s) to be Dredged**

*Table continued from application form*

<b>Dredge Area</b>	<b>Clay and Silt</b> ( $< 0.063$ mm)	<b>Sand</b> ( $0.063 \leq \text{Sand} < 2.0$ mm)	<b>Pebbles, Cobbles &amp; Boulders</b> ( $\leq 2.0$ mm)
F	14%	69%	17%
G	14%	69%	17%

**Continuation of Question 10:  
Details of Vessel(s) Undertaking Dredging and Sea Disposal**

<b>Vessel name</b>	<b>Type of vessel</b>	<b>Name and address of operator</b>
Goliath	Backhoe Dredger	Van Oord Ltd Schaardijk 211 3063 NH Rotterdam The Netherlands
Swalinge	Trailer Suction Hopper Dredger	
Mangystau	Cutter Suction dredger	
Razende Bol	Backhoe dredger	
Cornelis Lely	Split hopper barge	
Pieter Caland	Split hopper barge	
Jan Blanken	Split hopper barge	
Sandcarrier 101	Split hopper barge	
Johan van veen	Split hopper barge	
Johannis de Rijke	Split hopper barge	
Blackbird	Tug / pushbuster	
Martine P	Multicat	
Salt Island	Multicat	
Afon Wen	Tug	Wasa Dredging Ltd Raastuvankatu 21 B, FIN-65100 Vaasa, Finland
Boulder	Backhoe Dredger	
Hector	Backhoe Dredger	
Miika	Split hopper barge	
Dana	Split hopper barge	
Boann	Split hopper barge	
Sinnan	Split hopper barge	
Alex	Split hopper barge	
Celu	Split hopper barge	
Meteor	Tug	
Delfi	Tug	Canleamar SL Polígono de Vidreiro Parcelas 4-5 Campolongo 15600 Pontedeume A Coruña
Leonardo	Tug	
Omvac Doce	Split hopper dredger	
Omvac Siete	Split hopper dredger	

*[continued overleaf]*

<b>Vessel name</b>	<b>Type of vessel</b>	<b>Name and address of operator</b>
Helene	Backhoe dredger	Colcrete- von Essen GmbH & CoKG Am Waldrand 9c, 26180 Rastede, Germany
Braune	Backhoe dredger	
Seebergen	Flat top barge outfitted with crane / excavator	
Feierförde	Flat top barge outfitted with crane / excavator	
Wilcarry 1500	Flat top barge outfitted with crane / excavator	
Gerhard	Flat top barge outfitted with crane / excavator	
C7	Jack up barge outfitted with crane / excavator	
Berghaus	Split hopper barge	
B601	Split hopper barge	
B602	Split hopper barge	
Forth Constructor	Multicat	
Felix	Tug	