



Marine Management Organisation Marine Licence

1 Introduction

This is a licence granted by the Marine Management Organisation on behalf of the Secretary of State to authorise the licence holder to carry on activities for which a licence is required under Part 4 of the Marine and Coastal Access Act 2009.

1.1 Licence number

The licence number for this licence is L/2016/00349/1

1.2 Licence holder

The licence holder is the person or organisation set out below:

Name / company name	Tarmac Marine Ltd
Company registration number (if applicable)	02105370
Address	Drayton House, Drayton Lane, Oving, Chichester, West Sussex, PO20 2EW
Contact within company	Andrew Bellamy
Position within company (if applicable). State if company officer or director	Resources Manager

1.3 Licence date

Version	1
Licence start date	18 November 2016
Licence end date	17 November 2037
Date of original issue	18 November 2016

1.4 Licence validity

This version of this licence is valid from the licence start date to the licence end date.

This version of this licence supersedes any earlier version of this licence. Any activity commenced under a previous version of this licence and which is also a licensed activity authorised by section 4 of this version of this licence may continue in accordance with the licence conditions in section 5 of this version of this licence.

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2 General

2.1 Interpretation

In this licence, terms are as defined in section 115 of the Marine and Coastal Access Act and the Interpretation Act 1978 unless otherwise stated.

- "licensed activity" means any activity set out in section 4 of this licence.
- "licence holder" means the person(s) or organisation(s) named in section 1 above to whom this licence is granted.
- "MMO" means the Marine Management Organisation.
- "mean high water springs" means the average of high water heights occurring at the time of spring tides.
- "sea bed" or "seabed" means the ground under the sea.
- "the 2009 Act" means the Marine and Coastal Access Act 2009.
- All times shall be taken to be the time on any given day.
- All geographical co-ordinates contained within this licence are in WGS84 format (latitude and longitude degrees and minutes to three decimal places) unless stated otherwise.

2.2 Contacts

Except where otherwise indicated, the main point of contact with the MMO and the address for email and postal returns and correspondence shall be:

Marine Management Organisation

Lancaster House

Hampshire Court

Newcastle upon Tyne

NE4 7YH

Tel:0300 123 1032

Fax:0191 376 2681

Email:marine.consent@marinemanagement.org.uk

Any references to any local MMO officer shall be the relevant officer in the area(s) located at:

Marine Management Organisation

Fish Market

Rock-A-Nore Road

Hastings

East Sussex

TN34 3DW

Tel: 01424 424109
Fax: 01424 444642
Email: hastings@marinemanagement.org.uk

3 Project overview

3.1 Project title

Area 488 Aggregate Extraction

3.2 Project description

Aggregate Area 488 is located approximately 9km south of Littlehampton, south of England. Tarmac Marine Ltd is licensed to dredge marine sand and gravel from application Area 488 in the English Channel. This licence permits aggregate dredging up to a maximum of 3,000,000 tonnes over the licence term of 15 years, with a maximum annual extraction rate of 500,000 tonnes.

During the licence period Tarmac Marine Ltd is also licensed to undertake seabed sampling so long as this is undertaken in compliance with the conditions of this licence.

3.3 Related marine licences

Area 488 is adjacent to Area 453, an application area proposed by Cemex UK Marine Ltd. Due to their close proximity, a combined Environmental Impact Assessment has been produced concerning the two areas. The application reference for Area 453 is MLA/2015/00432.

4 Licensed activities

This section sets out the licensed activities. The licensed activities are authorised to be carried on only in accordance with the activity details below and with the licence conditions as set out in section 5 of this licence.

Please note that where licensed quantities are displayed with reference to their constituent materials, the relative quantities given for the constituent materials are indicative only.

Site 1 - North Owers 488			
Site location	See Schedule 1.		
Activity 1.1 - Marine aggregate dredging			
Activity type	Removals		
Activity location	Area 488 lies offshore of Littlehampton in the south of England. See Schedule 1.		
Description	A total of 3,000,000 tonnes of marine aggregate is permitted to be removed over a 15 year period from the licence area, with a maximum annual extraction rate of 500,000 tonnes in any calendar year.		
Quantities			
Start date	End date	Maximum single year extraction (tonnes)	Total extraction (tonnes)
14/10/2016	30/6/2031	500000	3000000
Methodology	Aggregate extraction will be carried out by trailer hopper suction dredgers with no on-board screening, and will include occasional hopper washing.		
Programme of works	Aggregate dredging is permitted for a period of 15 years.		
Activity 1.2 - Grab and Vibrocore sampling			
Activity type	Removals		
Activity location	Sampling will take place within Area 488 and the region around it. See Schedule 1.		
Description	Removal of sediment for sampling purposes.		
Methodology	Removal of seabed samples will be via grab sampling (hamon and clam-shell) or vibrocores.		
Programme of works	Removals are permitted throughout the lifetime of this licence at infrequent intervals depending on monitoring requirements and the need to assess aggregate resource.		

5 Licence conditions

5.1 General conditions

5.1.1 Notification of commencement

The licence holder must notify the MMO prior to the commencement of the first instance of any licensed activity. This notice must be received by the MMO no less than five working days before the commencement of that licensed activity.

5.1.2 Licence conditions binding other parties

Where provisions under section 71(5) of the 2009 Act apply, all conditions attached to this licence apply to any person who for the time being owns, occupies or enjoys any use of the licensed activities for which this licence has been granted.

5.1.3 Agents / contractors / sub-contractors

The licence holder must notify the MMO in writing of any agents, contractors or sub-contractors that will carry on any licensed activity listed in section 4 of this licence on behalf of the licence holder. Such notification must be received by the MMO no less than 24 hours before the commencement of the licensed activity.

The licence holder must ensure that a copy of this licence and any subsequent revisions or amendments has been provided to, read and understood by any agents, contractors or sub-contractors that will carry on any licensed activity listed in section 4 of this licence on behalf of the licence holder.

5.1.4 Vessels

The licence holder must notify the MMO in writing of any vessel being used to carry on any licensed activity listed in section 4 of this licence on behalf of the licence holder. Such notification must be received by the MMO no less than 24 hours before the commencement of the licensed activity. Notification must include the master's name, vessel type, vessel IMO number and vessel owner or operating company.

The licence holder must ensure that a copy of this licence and any subsequent revisions or amendments has been read and understood by the masters of any vessel being used to carry on any licensed activity listed in section 4 of this licence, and that a copy of this licence is held on board any such vessel.

5.1.5 Changes to this licence

Should the licence holder become aware that any of the information on which the granting of this licence was based has changed or is likely to change, they must notify the MMO at the earliest opportunity. Failure to do so may render this licence invalid and may lead to enforcement action.

5.1.6 Licence quantities

Where a licensed activity comprises dredging or the disposal of dredged material, the total quantity of material authorised to be dredged or disposed of in any given time period shall be as set out for that licensed activity in section 4 of this licence.

For each time period, the actual quantity dredged or disposed of shall be calculated by adding the quantity of material dredged or disposed of during that time period under this version of this licence to that dredged or disposed of under any previous version of this licence that was valid during that time period.

5.2 Project specific conditions

This section sets out project specific conditions relating to the licensed activities as set out in section 4 of this licence.

Activity Number: 1 Activity Type: Aggregate Dredging

Prior to Commencement of Works

Notifications and Returns

<p>5.2.1</p>	<p>The licence holder must notify the MMO prior to the commencement of the first instance of any licensed activity. This notice must be received by the MMO no less than five working days before the commencement of that licensed activity.</p> <p>Notification of commencement of activity must be received within 5 years of the date of issue. If no notification is received within 5 years this licence shall be void. Should this 5 year period lapse, a new application must be submitted and approved before any licensable activities can be carried out.</p> <p>Reason: <i>To ensure that the conclusions made within the Environmental Statement (ES) are still valid.</i></p>
<p>5.2.2</p>	<p>The licence holder must notify local mariners' and fishermen's organisations a minimum of 5 working days in advance of commencement of the first instance of the licensed activities. This notification must include the local port/harbour authority/ies and Vessel Traffic Service(s) and any other relevant body as considered appropriate by the licence holder. A copy of the notification must be sent to the MMO prior to the commencement of the licensed activities.</p> <p>Reason: <i>To ensure other vessels in the vicinity can plan and safely conduct their passage.</i></p>
<p>5.2.3</p>	<p>No dredging is permitted until confirmation is received by the MMO that information has been obtained from the General Lighthouse Authority on the navigational marks that may be affected by the licensed activity.</p> <p>Reason:</p>

	<i>To ensure safe navigation at sea.</i>
5.2.4	<p>No dredging is permitted until isopachyte charts, detailing the location of any areas where the resource thickness is 0.5m or less over 250m by 250m grid centred on 125m nodes, are provided to the MMO and The Crown Estate, and acknowledged by the MMO in writing.</p> <p>Reason: <i>To ensure that sufficient habitat is retained to allow benthic re-colonisation of the active dredge zone (ADZ) upon cessation of dredging activity.</i></p>
5.2.5	<p>No dredging is permitted until charts detailing the location of any known sensitive nature conservation features are provided to the MMO and The Crown Estate, and acknowledged by the MMO in writing.</p> <p>Reason: <i>To protect nature conservation features.</i></p>
5.2.6	<p>No dredging is permitted until the licence holder provides details of any known features of archaeological interest within the licence area to the MMO and The Crown Estate, and acknowledged by the MMO in writing.</p> <p>Reason: <i>To protect wrecks, war graves and archaeology.</i></p>
5.2.7	<p>The licence holder must provide details of exclusion zones (EZ) relating to resource thickness, sensitive nature conservation features (including the restriction zone and buffer for the infralittoral rock feature of the MCZ) and features of archaeological interest to the MMO and The Crown Estate prior to the commencement of dredging, and be acknowledged by the MMO in writing.</p> <p>Reason: <i>To protect nature conservation features, to protect wrecks, war graves and archaeology.</i></p>
5.2.8	<p>The licence holder must ensure that appropriate mitigation measures are developed with archaeological curators, as defined in the guidance note 'Marine Aggregate Dredging and the Historic Environment' (British Marine Aggregate Producers Association (BMAPA) and English Heritage, 2003), to protect features of archaeological interest prior to the</p>

	<p>commencement of dredging. These measures must be agreed with the MMO. The Crown Estate must be informed of the agreed measure(s) prior to the commencement of dredging.</p> <p>Reason: <i>To protect wrecks, war graves and archaeology.</i></p>
5.2.9	<p>The licence holder must ensure that a Fisheries Liaison Officer (FLO) is appointed and subsequently approved by the MMO prior to the commencement of dredging.</p> <p>Written confirmation of appointment of the FLO must be submitted to the MMO no later than 5 working days after their appointment.</p> <p>Reason: <i>To ensure that liaison with the fishing industry is undertaken in order to minimise any potential conflicts between interested parties.</i></p>
Location of Dredging	
5.2.10	<p>Dredging operations must only take place within the co-ordinates presented in Schedule 1 of this licence, unless otherwise approved by the MMO.</p> <p>Reason: <i>To protect features of archaeological and nature conservation importance.</i></p>
Pre-Dredge Monitoring Programme	
5.2.11	<p>The licence holder must ensure that:</p> <p>(i) A pre-dredge plan and specification for the pre-dredge monitoring surveys is submitted to, and approved in writing by the MMO before the surveys are due to commence; and</p> <p>(ii) Copies of the approved specification, and of any approved changes to it, are provided to the bodies referred to in conditions 5.2.46 within 10 working days of approval having been received.</p> <p>Reason:</p>

	<i>To set baseline to validate the predictions made in the ES and allow the identification of any unforeseen environmental impacts under this marine licence.</i>
5.2.12	<p>The licence holder must ensure that:</p> <p>(i) The pre-dredge survey report is completed to a specification agreed by the MMO, prior to the onset of dredging under this licence;</p> <p>(ii) An interim pre-dredge survey report is prepared and submitted to the MMO highlighting any significant seabed features of conservation and heritage interest before the commencement of dredging;</p> <p>(iii) A full pre-dredge survey report is prepared and provided to the MMO and the bodies referred to in condition 5.2.46 within 9 months of the completion of the final pre-dredge survey; and</p> <p>(iv) All future monitoring reports should be compared to the final pre-dredge survey report.</p> <p>Reason: <i>To set a baseline to validate the predictions made in the ES and allow the identification of any unforeseen environmental impacts under this marine licence.</i></p>

During Operation	
Extraction Restrictions	
5.2.13	<p>The total quantity of material to be extracted within the licence area over the licence duration must not exceed 3 ,000,000 tonnes.</p> <p>Reason: <i>To ensure that dredging operations are within the limits assessed in the ES.</i></p>
5.2.14	<p>Subject to the restriction on the total quantity of material to be extracted as specified in condition 5.2.13, the amount of material extracted from licensed area must not exceed 500,000 tonnes in any single calendar year subject to the following:</p>

	<p>(i) Where this licence commences on a date other than 1 January the maximum extraction for the first year must be calculated on a pro rata basis; and</p> <p>(ii) Where the licence expires on a date other than 31 December the maximum extraction quantity for the final year must also be calculated on a pro rata basis.</p> <p>Reason: <i>To restrict the intensity of dredging over the duration of the marine licence.</i></p>
5.2.15	<p>The licence holder must provide an annual return to the MMO of the amount of material extracted from the licence area for the preceding calendar year in writing. Returns must include the conversion factor applied and be submitted by 31 January for each year of this licence.</p> <p>Reason: <i>To ensure that the MMO is kept informed, in a timely manner, of the amount of material dredged</i></p>
5.2.16	<p>The MMO must be notified in writing if it becomes apparent that the submitted return specified in condition 5.2.14 contains an error within 5 working days of the error being identified.</p> <p>Reason: <i>To ensure that the MMO is kept informed, in a timely manner, of the amount of material extracted from the licence area.</i></p>
Dredging Operations	
5.2.17	<p>The maximum depth of dredging is to the base of the resource, subject to retaining 0.5m of sediment after dredging has ceased, as averaged over a 250m by 250m grid centred on 125m nodes.</p> <p>Reason: <i>To ensure that dredging operations are within the limits assessed in the ES.</i></p>
5.2.18	<p>All dredging in the licence area must be undertaken by trailer suction hopper only.</p> <p>Reason: <i>To comply with the submitted application.</i></p>

5.2.19	<p>The licence holder is permitted to undertake 'hopper washing', where necessary, to remove small amounts of residual material (less than 50m³) that remain in the hopper prior to vessel maintenance or extraction of a different grade of cargo.</p> <p>Reason: <i>To allow the hopper to be cleaned.</i></p>
5.2.20	<p>Hopper washing must not take place within any EZs implemented to protect archaeological or nature conservation features and the release of any material and/or residues is only permitted within an aggregate dredge area for which the licence holder holds a valid marine licence issued by the MMO.</p> <p>Reason: <i>To protect the marine and historic environment and prevent the deposit of material in unlicensed areas.</i></p>
5.2.21	<p>All licensed activities must not be undertaken between 1st April and 30th June inclusive.</p> <p>Reason: <i>To minimise the effect of noise, vibration, disturbance and sediment (suspended and deposited sediment resulting from the sediment plume) on Black Sea Bream, designated feature of the Marine Conservation Zone (MCZ).</i></p>
Electronic Monitoring System (EMS)	
5.2.22	<p>Dredging is not permitted in the licence area unless a functional and operational EMS is fitted, or such equipment and systems which allow accurate monitoring of the vessel location during dredging operations and provide evidence of dredging, so long as they are approved by The Crown Estate.</p> <p>Reason: <i>To ensure accurate spatial and temporal monitoring of dredging activities.</i></p>
5.2.23	<p>Data recorded by the EMS or other equipment/systems must be provided to The Crown Estate or its appointed agent and the MMO within 15 working days of the end of the calendar month.</p> <p>Reason: <i>To ensure accurate spatial and temporal monitoring of dredging activities.</i></p>

Navigation and Liaison Arrangements	
5.2.24	<p>The licence holder must ensure that the position of any item of debris relating to the licensed activity left on the seabed is reported to the UK Hydrographic Office within 30 days, using form H102 (Hydrographic Note). The position of any debris is to be reported in WGS84 datum and Spheroid to an accuracy of at least +/- 5m where practicable with as much information on size, shape and orientation of the object as possible. The licence holder must ensure that the position and nature of the debris is disseminated via the Kingfisher bulletin service at the earliest opportunity.</p> <p>Reason: <i>To allow the dissemination of safety information and maintain safe navigation at sea.</i></p>
5.2.25	<p>The licence holder must ensure that they adhere to the practices set out in the 'Fisheries Code of Practice' at Annex 3, in the schedules of this licence.</p> <p>Reason: <i>To ensure that other users of the sea are informed of the up-to-date locations of aggregate dredging activity.</i></p>
5.2.26	<p>Dredgers may only approach the licence area from a southerly direction.</p> <p>Reason: <i>To minimise disturbance to the Marine Conservation Zone (MCZ)</i></p>
Exclusion Zones	
5.2.27	<p>The licence holder must ensure that any additional areas of veneer thickness, as defined in condition 5.2.4, within the marine licence area identified during either dredging operations or monitoring are excluded from future extraction upon identification.</p> <p>The co-ordinates and the date of implementation of the EZ must be provided in writing to the MMO and The Crown Estate within 5 working days of the EZ being implemented. Unless informed in writing by the MMO, the licence holder must not dredge within these zones for the remainder of the licence period.</p> <p>Reason:</p>

	<i>To ensure that sufficient habitat is left so that benthic re-colonisation of the licence area upon cessation of dredging activity.</i>
5.2.28	<p>The licence holder must ensure that any additional areas of sensitive nature conservation features, as defined in condition 5.2.5 within the marine licence area identified during either dredging operations or monitoring are excluded from future extraction upon identification.</p> <p>The co-ordinates and the date of implementation of the EZ must be provided in writing to the MMO and The Crown Estate within 5 working days of the EZ being implemented. Unless informed in writing by the MMO, the licence holder must not dredge within these zones for the remainder of the licence period.</p> <p>Reason: <i>To protect areas of known sensitive nature conservation features.</i></p>
5.2.29	<p>Should any previously unreported wrecks (vessel or aircraft) or other sites of archaeological interest become apparent within the marine licence area, during either dredging operations or monitoring, EZs must be instituted around them as soon as they are discovered in accordance with the procedures set out in the 'Protocol for Reporting Finds of Archaeological Interest' (BMAPA and English Heritage 2005).</p> <p>Unless informed in writing by the MMO, the licence holder must not dredge within these zones for the remainder of the licence period. The co-ordinates and date of implementation of EZs must be provided in writing to the MMO and The Crown Estate within 5 working days of EZ being implemented. All EZs defined or removed must be agreed with the MMO.</p> <p>Reason: <i>To protect wrecks, war graves and archaeology.</i></p>
5.2.30	<p>The licence holder must ensure that all areas where extraction depth has reached a maximum depth i.e. to the base of the resource whilst maintaining at least 0.5m, in the marine licence area (as averaged over a 250m by 250m grid centred on 125m nodes) are excluded from future extraction.</p> <p>The co-ordinates and the date of implementation of the EZ must be provided in writing to the MMO and The Crown Estate within 5 working days of the EZ being implemented. Unless informed in writing by the MMO, the licence holder must not dredge within these zones for the remainder of the licence period.</p>

	Reason: <i>To ensure that the licence holder is operating within the limits tested in the ES.</i>
5.2.31	All modifications to established EZs, whether temporary or permanent, must be approved by the MMO in writing before being implemented. Reason: <i>To protect nature conservation features and wrecks, war graves and archaeology.</i>
Archaeology	
5.2.32	The licence holder must abide by the best practice principles within the 'Guidance Note, Marine Aggregate Dredging and the Historic Environment', issued by BMAPA and English Heritage in 2003, the related 'Protocol for Reporting Finds of Archaeological Interest' (BMAPA and English Heritage 2005), and any subsequent replacement of those documents. Reason: <i>To protect wrecks, war graves and archaeology.</i>
5.2.33	An OASIS (Online AccesS to the Index of archaeological investigationS) form is to be submitted for any archaeological reports produced as part of this marine licence and a copy submitted to the English Heritage Marine Planning Unit and a PDF file version sent to English Heritage's Heritage Data Management Team (oasis@english-heritage.org.uk), within 10 working days of the final report being approved. The licence holder must notify English Heritage and the MMO if they have directed an appointed consultant to complete this requirement. Reason: <i>To protect wrecks, war graves and archaeology.</i>
Operational Stage Monitoring	
5.2.34	The licence holder must ensure that: i) A regional monitoring plan and a site specific monitoring plan must be produced and approved by MMO in consultation with the bodies referred to in condition 5.2.46. The monitoring plans must include a timetable for the regional and individual monitoring surveys, which are to be undertaken during the first 5 years from the commencement of dredging within the

	<p>marine licence area. The monitoring plans must be sent to the MMO and The Crown Estate within 9 months of the commencement of dredging;</p> <p>ii) Subsequent monitoring plans must be drawn up after the completion of the substantive reviews as required by condition 5.2.37; and</p> <p>iii) The operational stage monitoring programme is implemented in accordance with the approved specification. The programme must be maintained throughout the period in which dredging is carried out.</p> <p>Reason: <i>Reason: To secure the effective environmental monitoring of the dredging in the interests of protecting the marine environment and assess whether dredging operations are consistent with the predictions made in the ES.</i></p>
5.2.35	<p>All operational monitoring reports must be prepared and provided to the MMO and the bodies referred to in condition 5.2.46, for approval in line with the agreed plans and specifications within 9 months of the completion of the operational monitoring survey.</p> <p>Unless otherwise agreed with the MMO, all reports from the operational stage monitoring programme must provide comparison with the pre-dredge monitoring data.</p> <p>Reason: <i>To ensure effective environmental monitoring of the dredging in the interests of protecting the marine environment and assess whether the dredging operations are consistent with predications made in the ES.</i></p>
Annual Compliance and Substantive Review of the Dredging Operations	
5.2.36	<p>The licence holder must produce an annual report on compliance with the conditions to which this marine licence is subject. The report must detail any monitoring undertaken during the previous year. The licence holder must submit copies of the compliance report to the MMO and to those bodies listed in condition 5.2.46 within 3 months of the end of each 12 month period following the date of commencement of dredging.</p> <p>Reason:</p>

	<i>To ensure that the MMO is kept informed in a timely manner of the licence holder's compliance with the conditions to which this licence is subject.</i>
5.2.37	<p>In line with the regional monitoring plan, the licence holder must submit to the MMO and to those bodies listed in condition 5.2.46, a substantive review of the dredging operations that have taken place under the marine licence. The report will summarise the results of the monitoring undertaken to date and detail:</p> <ul style="list-style-type: none"> (i) The impact of dredging operations on the marine environment; (ii) The effectiveness of the conditions imposed on the dredging operations and recommending any variations to the dredging operations as may be necessary to protect the environment; and (iii) Any recommendations of variations to the monitoring programme as may be necessary to ensure that effective environmental monitoring of the dredging is maintained. <p>Reason: <i>To ensure that the MMO is kept informed in a timely manner of the licence holder's compliance with the conditions to which this licence is subject.</i></p>
5.2.38	<p>The licence holder must cease dredging whilst the substantive reviews are being considered if:</p> <ul style="list-style-type: none"> (i) The data collected or analysis undertaken to inform the substantive review fails to conform to the agreed specifications which as a consequence results in insufficient evidence to determine whether or not unacceptable impacts have occurred; and/or (ii) The MMO has outstanding concerns during the substantive review process that unacceptable effects on the environment have occurred that were not originally predicted in the ES; and/or (iii) The MMO confirms in writing to the licence holder that unacceptable environmental damage has occurred as a result of aggregate dredging. <p>Reason: <i>To ensure that unacceptable impacts to the marine environment do not occur.</i></p>

Following Completion of Works	
5.2.39	<p>All dredging within the licensed area under this marine licence must cease within 15 years of the commencement date of dredging or once the total quantity of material licensed to be extracted has been removed, whichever occurs first.</p> <p>Reason: <i>To provide a termination to this licence.</i></p>
Returns	
5.2.40	<p>The licence holder must notify the MMO and The Crown Estate in writing of the date on which dredging operations cease within the permitted area within 5 working days of the operations ceasing.</p> <p>Reason: <i>To provide an end date to the activity.</i></p>
Condition of the Seabed	
5.2.41	<p>The licence holder must ensure that upon cessation of dredging the sediment substrate must be of a similar grade to the conditions that existed before dredging commenced with due allowance being made for natural sediment movements. A specification as to how this will be demonstrated must be agreed in writing with the MMO prior to any surveys taking place.</p> <p>Reason: <i>To allow re-colonisation of the seabed upon cessation of dredging activity.</i></p>
5.2.42	<p>The licence holder must ensure that an average depth of 0.5m of aggregate resource remains as substrate in those parts of the licence area from which material has been dredged. This will be measured over 250m by 250m grid centred on 125m nodes.</p> <p>Reason: <i>To ensure that sufficient habitat is left to allow re-colonisation of the seabed upon the cessation of dredging activity.</i></p>
Post-dredge surveys and reports	

5.2.43	<p>The licence holder must ensure that:</p> <p>(i) A specification for a post-dredge monitoring programme is submitted to the MMO and approved in writing before the post-dredge survey will commence;</p> <p>(ii) The post-dredge monitoring programme is implemented in accordance with the specification as approved in writing by the MMO within 12 months from the cessation of dredging within the marine licence area; and</p> <p>(iii) Copies of the approved specification, and of any approved changes to it, are provided to the bodies referred to in conditions 5.2.46 within 10 working days of approval having been received.</p> <p>Reason: <i>To secure the effective environmental monitoring of the dredging in the interests of protecting the marine environment and assess whether the dredging operations permitted were consistent with the predictions made in the ES.</i></p>
5.2.44	<p>Within 9 months of all the post-dredge monitoring surveys being completed, the licence holder must ensure that a report of the surveys and analysis is produced and provided to the MMO and to those bodies listed in condition 5.2.46.</p> <p>Reason: <i>To ensure the effective environmental monitoring of the dredging in the interests of protecting the marine environment and assess whether the dredging operations permitted were consistent with the predictions made in the ES.</i></p>
Post licensed activity	
5.2.45	<p>Should further monitoring or remedial action be required as a consequence of the information presented in the post-dredge monitoring report, this work must be carried out by the licence holder at their expense and within a timetable agreed by the MMO.</p> <p>Reason: <i>To ensure the seabed is left in a similar condition to that which existed before the commencement of dredging operations.</i></p>
Preparation, Control and Distribution of Reports	

5.2.46	<p>The licence holder must ensure that all reports and the results of all surveys and monitoring required by these conditions are provided to the MMO, The Crown Estate, Centre for Environment, Fisheries and Aquaculture Science (Cefas), Natural England and English Heritage and are made available on request.</p> <p>Reason: <i>To facilitate the effective monitoring of the effects of dredging.</i></p>
5.2.47	<p>The licence holder must ensure that copies of the approved depth data and associated reports from the bathymetric surveys are provided to the UK Hydrographic Office in digital form within 1 month of approval.</p> <p>Reason: <i>To ensure that relevant marine charts are kept up to date.</i></p>

Activity Number: 2 Activity Type: Removals

Prior to the Commencement of Works

5.2.48	<p>The licence holder must notify local mariners' and fishermen's organisations a minimum of 5 working days in advance of commencement of each sampling campaign undertaken as part of this licence. This notification must include the local port/harbour authority/ies and Vessel Traffic Service(s) and any other relevant body as considered appropriate by the licence holder.</p> <p>Reason: <i>To minimise interference with other users of the sea and inform them of dredging operations and to ensure other vessels in the vicinity can safely plan and conduct their passage.</i></p>
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During Operations

5.2.49	<p>Should sampling be necessary to comply with any of these conditions (including sampling that is required outside the licensed area), the licence holder is permitted to undertake such sampling so long as the survey specification has been approved by the MMO and The Crown Estate has been notified.</p>
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	<p>Reason: <i>To allow environmental monitoring to take place and validate predictions made in the ES.</i></p>
5.2.50	<p>The licence holder is permitted to undertake the following sampling within and around the licence area:</p> <ul style="list-style-type: none">- benthic grab samples using Hamon grab or similar apparatus;- sediment samples using clamshell grab or similar apparatus; and- vibrocores using a vibrocorer. <p>Where sampling is required within an EZ the licence holder must gain the approval of the MMO prior to work commencing.</p> <p>Reason: <i>To allow the licence holder to undertake resource assessments whilst protecting the marine and historic environments.</i></p>

6 Compliance and enforcement

This licence and its terms and conditions are issued under the Marine and Coastal Access Act 2009.

Any breach of the licence terms and conditions may lead to enforcement action being taken. This can include variation, revocation or suspension of the licence, the issuing of an enforcement notice, or criminal proceedings, which may carry a maximum penalty of an unlimited fine and / or a term of imprisonment of up to two years.

Your attention is drawn to Part 4 of the Marine and Coastal Access Act 2009, in particular sections 65, 85 and 89 which set out offences, and also to sections 86, 87 and 109 which concern defences. The MMO's Compliance and Enforcement Strategy can be found on our website (<https://www.gov.uk/government/publications/compliance-and-enforcement-strategy>).