Permit Receipt Centre
Natural Resources Wales
29 Newport Road
Cambria House
Cardiff
CF24 0TP
Tel: 0300 065 3000
Email: permitreceiptcentre@naturalresourceswales.gov.uk

SEDIMENT SAMPLE PLAN REQUEST FORM

To allow the NRW Permitting Service to determine whether material is suitable for dredging or disposal at sea we require the material to be sampled and analysed. This sampling and analysis must be compliant with the guidelines established by OSPAR[1].

We facilitate the production of a sampling plan using external advisors, and following this you will be required to carry out the sampling and analysis in line with this plan and submit the results with your application. To enable us to produce the sampling plan please provide the following information:

Note: any subsequent marine licence application should refect the details provided for the sample plan request below. Should any changes be made confirmation should be sought from NRW PS that the sample plan produced is still applicable. Failure to do so may result in delays, additional charge or the requirement to resample.

Applicant Details (name of contact, email address and telephone number)	Intertek Energy Water Consultancy Services Joshua Gibson Email: Joshua.gibson@intertek.com Mobile: 07483 055262

[1] https://www.ospar.org/work-areas/eiha/dredging-dumping

<table>
<tr><td>Volume of material to be dredged (m^3)</td><td>To be informed as part of Dredging Feasibility Study. However, estimated dredge volume to be up to but not exceeding 100,000 m^3.</td></tr>
<tr><td>Depth of the sediment to be dredged (as opposed to the water depth to be achieved)</td><td>It is proposed that a dredge depth of 0.5 m below chart datum, to be confirmed during the Dredging Feasibility Study.</td></tr>
<tr><td>Description of the location (e.g. Holyhead Port)</td><td>The location is Barmouth Harbour Area, Gwynedd, North Wales. Please see attached Location Plan (doc reference).</td></tr>
<tr><td>Coordinates of the dredge area(s) (individually named areas, e.g. berths, should be detailed rather than one area). A GIS shapfile should also be provided if possible.</td><td>Please see attached Location Plan (file reference 7510_LP_002_Location_Plan.pdf) and shapefiles (Proposed Dredge Area.shp). The proposed dredge area is within a polygon defined by the nodes;
<table>
<tr><th>Easting</th><th>Northing</th></tr>
<tr><td>261481.6</td><td>315192.9</td></tr>
<tr><td>261497</td><td>315177.8</td></tr>
<tr><td>261513</td><td>315183.4</td></tr>
<tr><td>261580.9</td><td>315207.5</td></tr>
<tr><td>261737.7</td><td>315263.2</td></tr>
<tr><td>261538.7</td><td>315497</td></tr>
<tr><td>261526.1</td><td>315479.2</td></tr>
<tr><td>261523.1</td><td>315472.6</td></tr>
<tr><td>261531.8</td><td>315450.3</td></tr>
<tr><td>261529</td><td>315447.7</td></tr>
<tr><td>261523.3</td><td>315435.1</td></tr>
<tr><td>261519</td><td>315426.9</td></tr>
<tr><td>261501.3</td><td>315424.9</td></tr>
<tr><td>261472.3</td><td>315410</td></tr>
<tr><td>261413.6</td><td>315240.3</td></tr>
<tr><td>261424</td><td>315230.6</td></tr>
<tr><td>261472.5</td><td>315201</td></tr>
<tr><td>261481.6</td><td>315192.9</td></tr>
</table></td></tr>
</table>

Please state whether your application will be for capital or maintenance dredging? • Capital dredging is the removal of material that has not previously been dredged or has not been dredged in the last 10 years. This includes deepening or widening an existing dredge area. • Maintenance dredging relates to the removal of material from areas which have previously been dreged (in the last 10 years) i.e dredging the same areas and to the same depth as before.	This is currently a Feasibility Study for a Capital Dredge. However, we are seeking to understand the process required to obtain a marine license should dredging of Barmouth Harbour be deemed feasible.
If maintenance dredging, state the last licence/application number	Not Applicable
If maintenance dredging state when sediment analysis was last undertaken.	Not Applicable
If maintenance dredging state when the area was last dredged.	Not Applicable
If this is to support a renewal of a Marine licence, state if there are any proposed changes to operation since the last licence	Not Applicable
Will the dredged material be disposed to sea, beneficially use, or used for another purpose? I	As part of the feasibility assessment the potential options for disposal will be assessed, including deposition to sea locally or beneficial use i.e. deposited on shore or foreshore for coastal protection/recharge.
If beneficial use, how will the material be used and what is the proposed deposit location? Provide name of location and coordinates.	To be confirmed in the feasibility study. Potential beneficial use to be assessed for coastal protection/recharge.
If disposal at sea, provide the name and code of the proposed disposal site.	To be confirmed in the feasibility study.
What material is the likely composition of the dredge sediment e.g. silt, gravel? Provide proportions of the different types of material if relevant.	Sand, to be confirmed through the sediment sampling and analysis (to be undertaken by CEFAS).

Provide details of any previous exclusions from dredging /disposal/beneficial use/re-use.	None known.

Please submit this form to the NRW Permitting Service: marinelicensing@naturalresourceswales.gov.uk at least **6 months** prior to the proposed commencement of the dredge campaign.

The handling fee of **£420** should be paid alongside the submission of this form, payments can be made via Cheque, BACS or credit/debit card.

Further information on payment methods can be found on our web pages.

Please note: This fee does not include the external charges relating to scientific advisors time in producing the sample plan.. Payment for this will be required once we have received confirmation of the actual costs from our contractors.

You will need to provide the details below that will be used for invoicing this external advice cost..

Customer Name	Intertek Energy and Water Consultancy Services
FAO	Paula Hendy
Purchase order number	tbc
Address for invoice	By email. Otherwise if hard copy send to: Finance Department Exchange House Station road, Liphook Hampshire GU30 7DW
Telephone Number	01428 727800
Email Address	EWCS.Finance@intertek.com

What happens once I submit my information?

Once we have received this form along with the handling fee we will contact our contractors to commission a sampling plan.

You will need to ensure that samples are taken as instructed and analysed by an appropriate laboratory which has been approved by us for the determindands specified in your sample plan.

Laboratories that have been validated to undertake sediment analysis to inform marine licence application can be found in the table on our website alongside the determindands they have been validated to analyse. You must use a laboratory that has been validated for the determinands that

your sampling plan requires you to carry out. Failure to do so may result in you having to carry out further testing.

Results of your analysis must be submitted along with your marine licence application. These results must be submitted on the analysis results form downloadable from our website.

Signature	
Name & position	Joshua Gibson (Project Manager)
Company	Intertek Energy & Water Consultancy Services
Date	03/06/2021