



APPLICATION FOR A MARINE LICENCE TO DREDGE AND/OR DISPOSE OF DREDGE MATERIAL

Please read the notes carefully before completing the form.

- The Marine Licensing Team (MLT) administers applications under Part 4 of the Marine and Coastal Access Act 2009 on behalf of the licensing authority, the Welsh Ministers.
- The completed application form must be accompanied by a location plan and, where appropriate, descriptive drawing(s) and any supporting environmental assessments. One completed hard copy of the application and supporting documents will always be required. Additional copies are required for consultation purposes.
 - For application and supporting documents less than 10MB we can accept an additional copy via email.
 - For applications larger than 10MB **16** additional copies in CD/DVD format will be required
 - When applications and supporting documents are hard copy only **16** copies will be required.
- Please submit applications to the **Permit Receipt Centre** via the details at the top of this form
- Please submit marine licence applications including this form and all supporting documents **at least 4 months before the licence is required.**

Some projects may raise matters that require a significantly longer time for consideration.

These are most likely to be:

- Projects that fall **within** The Marine Works (Environmental Impact Assessment) Regulations 2007 – as amended requiring an Environmental Statement
- Large scale projects with substantial volumes of material being deposited or excavated
- Works requiring an Appropriate Assessment to be conducted under The Conservation of Habitats and Species Regulations 2017
- Please note that an application will not be considered to be complete until sediment sampling and analysis has been undertaken. Please allow an additional **2 months** for sampling plan details and all relevant information to be submitted should sampling analysis be required.
- Information should be provided about the anticipated **duration of the entire project** in respect of works below/seaward of Mean High Water Spring (MHWS). Where appropriate, planned phasing of the work for which consent is sought must be detailed. For projects lasting more than one calendar year, planned phasing details must be given for each 12 month period.

A licence fee is payable in respect of an application. Details of fees can be found on our web pages.

Please note applications will not be processed without the correct relevant fee or invoicing details.

- Payments can be made via Cheque, BACS or credit/debit card.

- Cheques should be crossed and made payable to **Natural Resources Wales**.
- For BACS payments ensure you provide the reference number (not remittance number)
- For credit/debit card payments please complete the CC1 form and submit with the application. The CC1 form can be found on our web pages

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

- **All dredge and disposal activities need to comply with the Water Framework Directive (WFD). The framework and guidance can be found on the Natural Resources Wales website, <http://naturalresources.wales>. The results of your WFD assessment must be attached to your marine licence application.**
- Please answer all questions. If any information is not available at the time of application please indicate in the relevant section, giving reasoning in a covering letter. Outstanding details must be submitted as soon as possible. Any delay in forwarding details is likely to result in delays in determining your application.

Your application may not be considered complete and therefore not processed until key information has been submitted. Your application may be returned if you fail to submit outstanding information within given timescales.

- Please note any licence may have conditions that must be discharged before works can commence. This will take additional time.
- If you have any queries with regards to completing this application please contact the MLT: marinelicensing@naturalresourceswales.gov.uk

How your application will be processed by the MLT:

- Submit all application to the **Permit Receipt Centre** via the details at the top of this form.
- Checked and acknowledged by the MLT within 21 days of receipt of application and payment
- If the application is complete and no further information is needed at this time, your application will be placed in a work queue to be assigned a permitting officer
- If the application is not complete, further information will be request and need to be provided before the application can be considered as complete
- Our **4 months** service level for determining non-EIA applications will begin from the date the **completed** application, including sampling results, is received (*Please note some projects may take significantly longer than 4 months to determine due to their nature*)
- EIA projects may take significantly longer due to their scale and complexity. Therefore we encourage early engagement with the MLT
- Your application and supporting documents will be sent to for an initial consultation period of 28 days (*42 days for EIA projects*)
- For the majority of projects, a public notice must be advertised. Public consultation will be 28 days (*49 days for EIA projects*). For EIA projects a second public notice will be required. The MLT will advise on how this should be done.

It is the responsibility of the applicant to obtain any other consents or authorisations that may be required.

Application Form Structure

1. Project description and cost
2. Applicant details
3. Dredging contractor (Producer) details
4. Holder details
5. Agent details
6. Environmental Impact Assessment (EIA)
7. Current consents
8. Licensable Period
9. Duration of dredging operation
10. Dredging and/or disposal vessel(s) details
11. Method statement for dredging
12. Areas to be dredged
13. Details of materials to be dredged
14. Details of material quality
15. Construction/Land reclamation projects
16. Alternative Means of Disposal
17. Disposal at Sea
18. Conservation bodies
19. Statutory powers
20. Public register
21. Application fee
22. Declaration

Check List

Please ensure that you have included all the necessary information before you submit your application. **If any of the below are not completed in the application form, the application is likely to be considered incomplete and may be returned to you**

Item	Yes (✓)
The applicant is a legal entity?	✓
The declaration is signed by the applicant?	✓
Is the application fee correct?	✓
Are the grid references/coordinates correct?	✓
Do the coordinates match map locations?	✓
Have all the relevant supporting documents been submitted?	✓
Has a Water Framework Directive assessment been submitted?	✓
Has a clear methodology been provided in the application form?	✓
Has Protected sites information been included?	✓
Are all the continuation sheets for application questions appended with correct	✓

Should you have any queries regarding your application please contact the MLT via marinelicensing@naturalresourceswales.gov.uk

1. Project Description and Cost

1 (a). Project Name

Pembroke Dock Infrastructure Project

1(b). Please provide a brief description of the proposed project, including location

The Pembroke Dock Infrastructure Project is located at the north-western edge of the settlement of Pembroke Dock, and will enable the provision of an enlarged single 'mega' slipway at Gate 4 to facilitate the efficient transfer of vessels and marine renewable devices between land and sea, together with the formation of large 'laydown' open areas to facilitate working on boats and devices without occupying slipways. Modification will include the widening of the existing slipway and extension of the quayside and provisions of large areas of hardstanding in proximity to the quayside.

Marine elements of the proposed development will include:

- Capital dredging associated with construction of the slipway and within the Graving Dock;
- The creation of a single 'mega' slipway by combining the two existing westernmost slipways and extending the slipway into the Milford Haven Waterway into deeper water; and
- The infilling of the Graving Dock.

Onshore elements of the proposed development will include:

- Creation of efficient areas of open space laydown in brownfield areas within the curtilage of the dockyard.
- Infilling the former Graving Dock (via the methods outlined in the marine components constructions section below);
- Infilling the former Timber Pond (via the methods outlined in the marine components construction section below); and
- Demolition of some other buildings which are no longer fit for purpose, although the listed former Foremen's Office will be retained.

Grid reference: SM958037, X [Easting]: 195835 and Y [Northing]: 203799.

1(c). Please provide an estimated gross cost of the project (Inc. materials and labour) for works that fall below/seaward of Mean High Water Springs (MHWS)

£8 Million

1 (d). Please specify which activities you are applying for (tick all that apply)

Dredging ☒ Disposal ☐

1(e). Please provide the annual tonnage being applied for in this marine licence application

45,840 m³ of capital material that will be disposed onshore

2. Applicant Details

(this must be a legal entity such as an individual, registered company/ charity or a public body)

Title Name Surname

Company or Trading Name

Registered Address (inc. postcode)

Name of Contact (if different)

Position in Company

Telephone no. (inc. area code)

Email address

Company Registration Number

3. Dredging Contractor (Producer) Details

*(The **Producer** is anyone whose activities produce the material intended to be deposited at sea)*

If the **Producer** is the applicant in 2, please tick and move on to section 4 ☒

Title Name Surname

Company or Trading Name

Address
(inc. postcode)

Name of Contact
(if different)

Position in Company

Telephone no.
(inc. area code)

Email address

Company Registration
Number

If there is more than one **producer**, please continue on a separate sheet and tick box ☐

4. Holder Details

*(The **Holder** is anyone who is in possession of the dredged material prior to its deposit at sea)*

If the **Holder** is the applicant in 2, please tick and move on to section 5 ☒

If the **Holder** is the producer in 3, please tick and move on to section 5 ☐

Title

Name

Surname

Company or Trading
Name

Address
(inc. postcode)

Name of Contact
(if different)

Position in Company

Telephone no.
(inc. area code)

Email address

Company Registration
Number

If there is more than one **holder**, please continue on a separate sheet and tick box ☐

5. Agent Details

*(An **Agent** is anyone engaged to act under contract or other agreement on behalf of any party listed in 2,3 or 4 having responsibility for the control, management or deposit of the material anywhere below Mean High Water Springs). This is who we will correspond with unless otherwise informed. If there is no agent, we will contact the applicant.*

Function (eg. Sea Disposal Contractor)	Marine Consultant		
Title	Mr	Name	Daniel
		Surname	Collins
Company or Trading Name	RPS Energy Limited		
Address (inc. postcode)	Riverside Court, Beaufort Park, Chepstow, Monmouthshire, NP16 5UH.		
Name of Contact (if different)			
Position in Company	Principal Consultant		
Telephone no. (inc. area code)	+44 (0) 1291 645005		
Email address	collinsda@rpsgroup.com		
Company Registration Number	01465554		

If there is more than one **agent**, please continue on a separate sheet and tick box ☐

Does the Applicant wish to be included in all correspondence? Yes ☒ No ☐

6.Environmental Impact Assessment

6(a). Have you considered the works to be under the Environmental Impact Assessment Directive (Directive 85/337/EEC – as amended) on the assessment of the effects of certain public and private projects on the environment?

Yes ☒ No ☐

6(b). If **Yes**, which Annex do you consider they fall within? Annex I ☐ Annex II ☒

6(c). Have you applied for a screening or scoping opinion from the **MLT** under the **Marine Works (Environmental Impact Assessment) Regulations 2007** (as amended)?

Yes ☒ No ☐

If **Yes**, what is the reference?

SC1810

6(d). Has an Environmental Impact Assessment been undertaken to support this application?

Yes ☒ No ☐

If **Yes**, is a copy of the assessment included in this application? Yes ☒ No ☐

6(e). Please provide an explanation if assessment has been done and a copy is **not available**.

7.Current Consents (if applicable)

7(a).Existing Licence(s)/Consent(s)
Reference Number

N/A

7(b). Expiry date

N/A

7(c). Quantity (tonnes) deposited under
Current licence at (date)

N/A

7(d). If **No** current licence/consent exists, please give reference number(s) for any historic licences(s)/consent(s) held for this operation or state if this is not applicable.

N/A

8. Licensable period

Determination of your Marine Licence application will be based on the works taking place during these dates. Please ensure you have included an adequate contingency period. If works are not completed by the Requested Licence Expiry Date you may be required to submit a new application. *Including a contingency period within your original application does not impact on Licence Fee*

Start Date

Q2 2021

Requested Licence Expiry Date

Q4 2026

Please ensure you submit your application for a Marine Licence **at least 4 months** prior to the intended start date. Some projects will take significantly longer than this to determine.

9. Duration of Dredging and/or Disposal Operation

If your operation will not take place year round at the locations outlined in section 12, please state the expected periods when dredging and/or disposals will take place.

9(a). Proposed periods of
dredging and/or disposal operations

Q2 2021

9(b). Expected completion date of
dredging and/or disposal operations

Q4 2022

10. Dredging and/or Disposal Vessel(s) Details

	Operator	Name of Vessel	Vessel Registration Number	Country of Registration	Method of Deposit
(a)	To be determined				
(b)					
(c)					

Please continue on a separate sheet if necessary. Please tick if you have done this ☐

11. Method statement for dredging and/or disposal operations (if applicable)

Please provide a comprehensive method statement for each dredging campaign, including type of dredging (if using different types at different locations please state), duration, and depth of proposed dredge, dredge areas and deposit areas

Method Statements

Marine Components Construction

New Slipway

The works relating to the new slipway are summarised below and further details are provided in New Mega Slipway Report (EIA – Chapter 2: Project Description – Appendix 2.1). The new slipway will be created by carefully removing the central section between the two existing slipways, removing the rails, supports and hauling system from Slipway No 2 and re-grading the whole area to form a new concrete ramp sloping down into the water which will be approximately 65 m wide. The design will ensure that the extent of the underwater construction at the seaward end will be minimised whilst still maintaining the required water depth for the launch and recovery of a full range of vessels and modules.

Works will include the careful dismantling of the existing structures between the two existing slipways, the intention being to retain the flank walls closest to the graving dock and Carr Jetty on the east and west slipways respectively.

The new slipway is likely to comprise a 500 mm thick reinforced concrete slab over 1,000 mm of compacted granular sub-base or a bed comprising single sized rock. It is anticipated to extend to approximately 4.27 m below chart datum and cover an area of approximately 67 by 172 m. These works may necessitate some pre-construction dredging (below MHWS) within the footprint of the new slipway and, should this be required, it is anticipated that approximately 38,740 m³ of sediment would be removed. Excavation above MLWS will be undertaken by backhoe excavator and rock excavation will be by hydraulic breaker or a milling attachment will be used on the excavator. Alternatively, a larger excavator will be used if the rock is sufficiently weak to be excavated. Dredging below MLWS, the excavator will be positioned on a barge. It is estimated the volume of non-rock material to be dredged below MLWS is 8,904 m³.

The bathymetric survey undertaken shows that approximately 40 m from the quay wall/end of the existing slipways the rock stratum drops away quite quickly. Therefore, to minimise the extent and complexity of the underwater construction at the seaward end of the new slipway it is proposed to increase the gradient from 1 in 17 (at the existing slipways) to 1 in 12 and move the slipway crest landward by approximately 36 m. This approach will avoid having to place a significant thickness of fill and construct an underwater retaining wall at the end of the slipway, or alternatively support this section of the works on piles, thereby minimising the impact on the marine environment.

As the gradient of the new slipway has been increased and the crest moved landward, the new slab level will be below the foundation level of the existing flank walls. These walls will, therefore, be underpinned. The underpinning will be carefully organised and executed to maintain the integrity of the existing walls and to undertake the work tidally 'in the dry'. It is likely that a new reinforced concrete boundary wall will be constructed below the existing wall. This method would secure the long-term integrity of the flank walls and provides the opportunity for viewing and recording the original construction work.

Graving Dock

The works to infill the Graving Dock will include the removal of the existing caisson gate and removal of silt and debris from within the existing graving dock. It is anticipated that sediments within the dock are to a depth of approximately 2-3 m with the removal of up to approximately 7,100 m³ of material in total. The likely method of removal of sediments will be via a temporary cofferdam installed across the entrance to the dock and material removed via sludge pump and excavator in the dry. Once cleared, the preferred option that maximises the preservation of the historic fabric of the dock is for it to be partially infilled with crushed stone over a layer of sand with a mass wall erected at the invert to the seaward end of the dock, which preserves the opening and caisson slot. Further details are provided in ES Chapter 2: Project Description - Appendix 2.2.

Timber Pond

The infilling of the Timber Pond will require the decommissioning/plugging of the intake and outfall pipes (e.g. by installing sheet piles against the face of the culverts) followed by the dewatering of the pond and either the treatment or removal of the sediment. If the sediment is left in situ it will be covered with a geotextile prior to infilling. If the sediment is removed, then a layer of sand will initially be placed to protect the bed of the pond and side walls prior to infilling with sand and granular material. The infill material will be placed up to the existing ground level. Further details are again provided in ES Chapter 2: Project Description - Appendix 2.2.

For further information, see ES Chapter 2: Project Description.

Please continue on a separate sheet if necessary. Please tick if you have done this ☒

12. Areas to be Dredged

	Name of Area to be Dredged (an annotated chart must be attached with each proposed dredge area-boundary latitude and longitude should be given in next column)	Coordinates (degrees and minutes to 2 decimal places)	Nature of Dredge (such as river, sea, harbour, estuary)	Date Area last Dredged (If known) (month and year)
(a)	Slipway (Please see Attachment 2 for chart)	Please see Attachment 1	Harbour	Unknown
(b)	Graving Dock (Please see Attachment 2 for chart)	Please see Attachment 1	Harbour	Unknown

Please continue on a separate sheet if necessary. Please tick if you have done this ☒

13. Details of Material to be Dredged and/or Disposed

For each area listed in **10** [a to e] including any listed separately, please give the following information:

	Type of Material (Maintenance or Capital Dredge)	Specific Gravity (estimate)	Physical Composition of Materials (Approximate proportions by volume of clay/silt/sand/gravel/etc...)	Depth of Material being Removed (Approximate maximum depth in metres)	Quantity to be Dredged each year (Indicate in-situ cubic metres or metric tonnes)
(a)	Capital Dredge Slipway (Disposal Onshore)	Unknown	45% (± 28.3) - Gravel 17% (± 9.0) - Sand 38% (± 25.8) - Silt and Clay	0-3 m	38,904 m ³ (single capital event)
(b)	Capital Dredge Graving Dock	Unknown	74% - Silt and Clay 26% - Sand	2-3 m	7,100 m ³ (single capital event)

Please continue on a separate sheet if necessary. Please tick if you have done this ☒

Dredged and/or Disposal Material: additional information

For each area listed in **10** [a to e] including any listed separately, please give the following information:

	Type of Contamination (State if material to be deposited at sea is likely to be contaminated by any known waste discharge or man-made rubbish (e.g. scrap metal/concrete))	Type of Dredger Proposed to be Used	Any beneficial uses (Inc. mitigation) for the material to be dredged (any alternatives to disposal at sea should be indicated, details in 11)
(a)	Above CEFAS AL1 Metals: Copper, lead, mercury and zinc Organotins PAHs PCBs Above CEFAS AL2 Metals: Copper, lead and zinc	Backhoe excavator	All dredge material will be disposed onshore as infill or within a licenced waste disposal facility

Please continue on a separate sheet if necessary. Please tick if you have done this ☐

14. Details of Material Quality

Applicants are not normally required to specify chemical quality of dredged materials for deposit, unless depositing at sea. There will usually be a requirement to submit samples for the purpose of assessing the effects of the materials on the marine environment to enable the UK to fulfil its obligations under International Conventions

14(a). Has the dredged material been chemically analysed in the past 3 years? Yes ☒ No ☐

14(b). Can the sample be made available now if required? Yes ☒ No ☐

If **No**, please state when they will be available

N/A

15. Construction/Land Reclamation Projects

15(a). Is the dredging operation related to a construction or land reclamation project?

Yes ☒ No ☐

If **Yes**, have you applied for a construction or reclamation licence

under **Part 4** of the **Marine and Coastal Access Act 2009**? Yes ☒ No ☐

If you have **Not** yet applied for a construction/reclamation licence, please provide an explanation

Marine Licence application has been submitted alongside this application.

Please continue on a separate sheet if necessary. Please tick if you have done this ☐

16. Alternative Means of Disposal

The Licensing Authority requires applicant to have regard to the practical availability of alternative means of disposal or treatment (other than deposit at sea) when determining whether to issue a licence, in order to fulfil its responsibility.

Please state the results of your investigations to identify alternative means of disposal, including beneficial uses, or treatment of the materials, along with cost of all options, including deposit at sea.

All material from the slipway and graving dock will be used to infill the Timber Pond depending on legislative controls, regulatory approvals and its suitability as structural fill. If not, then it will be disposal at a licenced onshore waste disposal facility.

Please continue on a separate sheet if necessary. Please tick if you have done this ☐

17. Disposal at Sea

17 (a). Do you intend to dispose of any dredged material at sea Yes ☐ No ☒

17 (b). Please provide the disposal site code

17 (c). Please provide the coordinates of the intended disposal site

18. Conservation Bodies

18 (a). Licensing Authorities have a duty to ensure that projects will **not have significant adverse environmental impact**, particularly on any designated **European Site of Conservation Importance - Special Areas of Conservation (SAC) and Special Protection Areas (SPA), listed under the Habitats Directive (Council Directive 92/42/EEC on the conservation of natural habitats and of wild fauna and flora)**. In addition, it is Government Policy that Wetlands of International Importance (Ramsar sites) are also considered as European Sites. There is a duty to take reasonable steps to further the conservation and enhancement of nationally designated sites (Sites of Special Scientific Interest (SSSIs)).

Please provide copies of correspondence with Natural Resources Wales or its legacy bodies (**in this case the Countryside Council for Wales**) or Natural England. Please indicate below if **no consultation had yet taken place**.

Natural Resources Wales and Marine Licensing Team
All consultation relating to dredging and marine construction is provided in Table 6.2 of Chapter 6 – Marine Environment of the EIA document.

Please continue on a separate sheet if necessary. Please tick if you have done this ☐

18 (b). **Are any parts of the proposed works located *within* or *likely to affect* a designated conservation site? (SAC, SPA, SSSI or Ramsar Sites)** Yes ☐ No ☒

18(c). If **Yes**, which designated site(s) will the works fall within:

N/A

18(d). Please provide a description of all measures proposed to avoid any impacts on designated conservation sites

N/A

Please continue on a separate sheet if necessary. Please tick if you have done this ☐

18(e). If **No**, please indicate the approximate distance to the nearest conservation site of the proposed works.

<50 m Pembrokeshire Marine/
Sir Benfro Forol SAC

19. Statutory Powers

Do you or (if appropriate) your client, have statutory powers to consent any aspect of the project?

Yes ☒

No ☒

If **Yes**, please give details:

Milford Haven Port Authority – Dredging Powers and Marine Works Licence - Milford Haven Port Authority Act 2002

20. Public Register

Under The Marine Licensing (Register of Licensing Information) (Wales) Regulations 2011 and the Environmental Impact Assessment Directive (Directive 85/337/EEC - as amended), all information contained within or provided in support of this application will be placed on the Public Register unless NRW approve of the applicant's reasons for withholding all or part.

Is there any information contained within or provided in support of this application that you consider **should not be included** on the Public Register on the grounds that its disclosure:

19(a). Would be contrary to the interest of National Security? Yes ☐ No ☒

19(b). Would prejudice to an unreasonable degree you, or some other person's commercial interest of those of

a third party?

Yes ☐

No ☒

If **Yes**, to either (a) or (b), please full justification as to why all or part of the information you have provided should be withheld.

N/A

Please continue on a separate sheet if necessary. Please tick if you have done this ☐

21. Application Fee

21(a). What are the corresponding fee band for this application? Band 2 ☐ Band 3 ☒

21(b) Band 2 Only

Projects are charged at a fixed fee of £1920. The application will not be processed until the correct fee has been provided.

Please provide the method of payment

Method	Yes (✓)	Reference Number
Cheque		
BACS (not remittance no.)		
World Pay (phone or CC1)		

Please attach **CC1 Form** with application. Can be found on our web pages

21(c) Band 3 Application only

Band 3 applications are charged at on hourly rate of £120 and are invoiced in arrears. Please complete the details below which will be required for invoicing.

Customer Name

Milford Haven Port Authority

FAO

Mr Adrian Rowlands

Purchase order number

TBA following notification of Fees

Address for invoice

Head Office,
Gorsewood Drive,
Milford Haven,
SA73 3EP

Telephone Number

07583133671

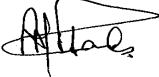
Email Address

adrian.rowlands@mhpa.co.uk

22. Declaration

I declare that to the best of my knowledge and belief that the information given in this application form and related papers is true.

WARNING: It is an offence under the Marine and Coastal Access Act 2009, under which this application is made, to fail to disclose information or to provide false or misleading information and can invalidate any licence granted.

Signature _____  _____ Date 18/12/2020

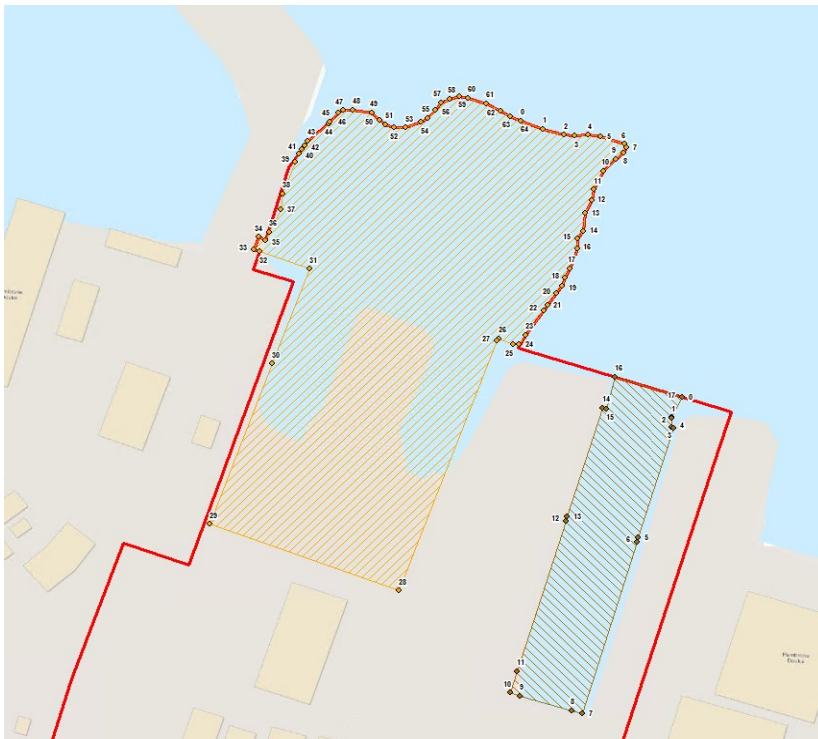
Name (in capitals) ADRIAN ROWLANDS

Position in Company Senior Project Manager

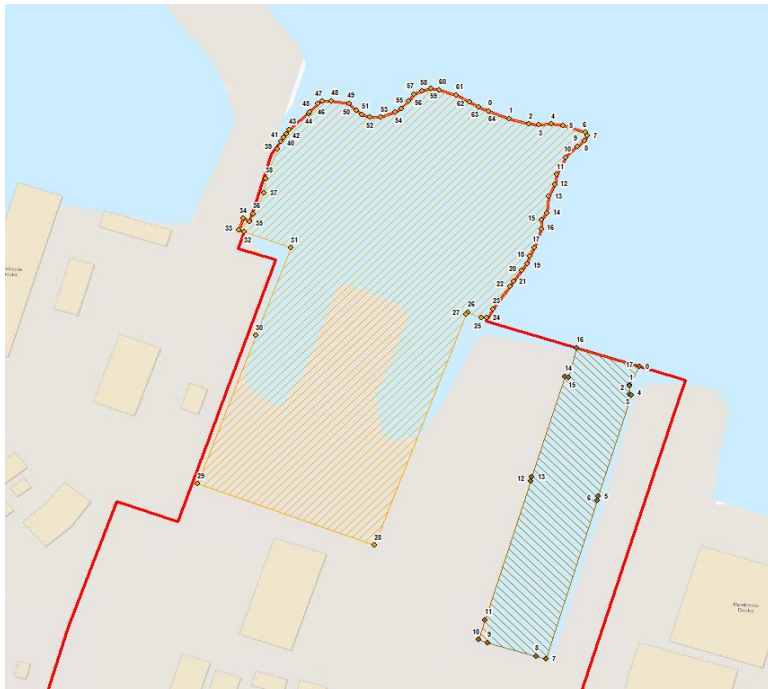
Applications cannot be processed unless signed by the applicant (not agent); the applicant must have the appropriate level of authority within the company. Applications will not be processed unless signed.

Attachment 1 - Location Coordinates for Slipway and Graving Dock Dredging / Construction Areas

Name	vertex_ind	E_BNG	N_BNG	Lat_WGS84_DD	Lon_WGS84_DD	Lat_WGS84_DDM	Lon_WGS84_DDM
Slipway Dredge Area	0	195815.04	204078.00	51.69821998	-4.95608997	51° 41.8932' N	4° 57.3654' W
Slipway Dredge Area	1	195822.25	204075.09	51.69819654	-4.95598410	51° 41.8918' N	4° 57.3590' W
Slipway Dredge Area	2	195829.54	204073.06	51.69818092	-4.95587757	51° 41.8909' N	4° 57.3527' W
Slipway Dredge Area	3	195832.79	204072.79	51.69817973	-4.95583044	51° 41.8908' N	4° 57.3498' W
Slipway Dredge Area	4	195837.45	204073.06	51.69818383	-4.95576317	51° 41.8910' N	4° 57.3458' W
Slipway Dredge Area	5	195841.57	204072.44	51.69817976	-4.95570333	51° 41.8908' N	4° 57.3422' W
Slipway Dredge Area	6	195849.46	204069.87	51.69815958	-4.95558781	51° 41.8896' N	4° 57.3353' W
Slipway Dredge Area	7	195850.19	204068.85	51.69815062	-4.95557664	51° 41.8890' N	4° 57.3346' W
Slipway Dredge Area	8	195849.06	204066.81	51.69813191	-4.95559182	51° 41.8879' N	4° 57.3355' W
Slipway Dredge Area	9	195846.75	204064.65	51.69811171	-4.95562398	51° 41.8867' N	4° 57.3374' W
Slipway Dredge Area	10	195842.35	204060.47	51.69807260	-4.95568507	51° 41.8844' N	4° 57.3411' W
Slipway Dredge Area	11	195839.26	204053.91	51.69801256	-4.95572583	51° 41.8808' N	4° 57.3435' W
Slipway Dredge Area	12	195838.57	204050.37	51.69798048	-4.95573378	51° 41.8788' N	4° 57.3440' W
Slipway Dredge Area	13	195836.50	204045.62	51.69793708	-4.95576090	51° 41.8762' N	4° 57.3457' W
Slipway Dredge Area	14	195835.78	204039.52	51.69788200	-4.95576772	51° 41.8729' N	4° 57.3461' W
Slipway Dredge Area	15	195833.75	204036.82	51.69785703	-4.95579551	51° 41.8714' N	4° 57.3477' W
Slipway Dredge Area	16	195833.80	204033.40	51.69782637	-4.95579268	51° 41.8696' N	4° 57.3476' W
Slipway Dredge Area	17	195831.34	204026.36	51.69776223	-4.95582415	51° 41.8657' N	4° 57.3494' W
Slipway Dredge Area	18	195829.82	204023.16	51.69773295	-4.95584428	51° 41.8640' N	4° 57.3507' W
Slipway Dredge Area	19	195828.90	204020.24	51.69770639	-4.95585584	51° 41.8624' N	4° 57.3514' W
Slipway Dredge Area	20	195826.98	204017.55	51.69768155	-4.95588195	51° 41.8609' N	4° 57.3529' W
Slipway Dredge Area	21	195823.85	204013.53	51.69764434	-4.95592494	51° 41.8587' N	4° 57.3555' W
Slipway Dredge Area	22	195822.57	204011.71	51.69762756	-4.95594226	51° 41.8577' N	4° 57.3565' W
Slipway Dredge Area	23	195816.80	204003.05	51.69754765	-4.95602066	51° 41.8529' N	4° 57.3612' W
Slipway Dredge Area	24	195814.57	203999.71	51.69751689	-4.95605084	51° 41.8510' N	4° 57.3631' W
Slipway Dredge Area	25	195812.57	203999.71	51.69751617	-4.95607974	51° 41.8510' N	4° 57.3648' W
Slipway Dredge Area	26	195807.57	204001.71	51.69753230	-4.95615316	51° 41.8519' N	4° 57.3692' W
Slipway Dredge Area	27	195806.92	204001.06	51.69752621	-4.95616220	51° 41.8516' N	4° 57.3697' W
Slipway Dredge Area	28	195774.51	203913.62	51.69672922	-4.95657939	51° 41.8038' N	4° 57.3948' W
Slipway Dredge Area	29	195711.69	203936.91	51.69691545	-4.95750080	51° 41.8149' N	4° 57.4500' W
Slipway Dredge Area	30	195732.50	203993.07	51.69742735	-4.95723286	51° 41.8456' N	4° 57.4340' W
Slipway Dredge Area	31	195744.78	204026.18	51.69772911	-4.95707491	51° 41.8637' N	4° 57.4245' W
Slipway Dredge Area	32	195728.21	204032.32	51.69777822	-4.95731792	51° 41.8667' N	4° 57.4391' W
Slipway Dredge Area	33	195726.37	204033.00	51.69778368	-4.95734494	51° 41.8670' N	4° 57.4407' W
Slipway Dredge Area	34	195727.83	204037.34	51.69782320	-4.95732635	51° 41.8694' N	4° 57.4396' W
Slipway Dredge Area	35	195730.31	204036.28	51.69781451	-4.95728991	51° 41.8689' N	4° 57.4374' W
Slipway Dredge Area	36	195731.60	204039.19	51.69784117	-4.95727289	51° 41.8705' N	4° 57.4364' W
Slipway Dredge Area	37	195735.34	204047.14	51.69791387	-4.95722362	51° 41.8748' N	4° 57.4334' W
Slipway Dredge Area	38	195735.88	204052.42	51.69796153	-4.95721885	51° 41.8777' N	4° 57.4331' W
Slipway Dredge Area	39	195740.17	204063.73	51.69806460	-4.95716343	51° 41.8839' N	4° 57.4298' W
Slipway Dredge Area	40	195741.46	204066.46	51.69808960	-4.95714648	51° 41.8854' N	4° 57.4288' W
Slipway Dredge Area	41	195742.48	204068.24	51.69810595	-4.95713271	51° 41.8864' N	4° 57.4280' W
Slipway Dredge Area	42	195743.26	204069.31	51.69811585	-4.95712211	51° 41.8870' N	4° 57.4273' W
Slipway Dredge Area	43	195744.29	204070.94	51.69813085	-4.95710813	51° 41.8879' N	4° 57.4265' W
Slipway Dredge Area	44	195751.10	204077.14	51.69818906	-4.95701337	51° 41.8913' N	4° 57.4208' W
Slipway Dredge Area	45	195751.69	204077.68	51.69819412	-4.95700514	51° 41.8916' N	4° 57.4203' W
Slipway Dredge Area	46	195754.46	204080.72	51.69822237	-4.95696691	51° 41.8933' N	4° 57.4180' W
Slipway Dredge Area	47	195756.18	204081.68	51.69823165	-4.95694261	51° 41.8939' N	4° 57.4166' W
Slipway Dredge Area	48	195759.09	204081.89	51.69823457	-4.95690072	51° 41.8941' N	4° 57.4144' W
Slipway Dredge Area	49	195765.58	204080.86	51.69822767	-4.95680638	51° 41.8937' N	4° 57.4084' W
Slipway Dredge Area	50	195768.17	204078.24	51.69820508	-4.95676732	51° 41.8923' N	4° 57.4060' W
Slipway Dredge Area	51	195770.21	204076.70	51.69819202	-4.95673698	51° 41.8915' N	4° 57.4042' W
Slipway Dredge Area	52	195773.08	204075.60	51.69818322	-4.95669484	51° 41.8910' N	4° 57.4017' W
Slipway Dredge Area	53	195776.68	204075.62	51.69818469	-4.95664287	51° 41.8911' N	4° 57.3986' W
Slipway Dredge Area	54	195781.97	204077.55	51.69820398	-4.95656762	51° 41.8922' N	4° 57.3941' W
Slipway Dredge Area	55	195784.22	204079.04	51.69821811	-4.95653597	51° 41.8931' N	4° 57.3922' W
Slipway Dredge Area	56	195786.73	204081.91	51.69824479	-4.95650131	51° 41.8947' N	4° 57.3901' W
Slipway Dredge Area	57	195788.69	204084.33	51.69826726	-4.95647441	51° 41.8960' N	4° 57.3885' W
Slipway Dredge Area	58	195791.43	204085.70	51.69828058	-4.95643555	51° 41.8968' N	4° 57.3861' W
Slipway Dredge Area	59	195794.78	204086.64	51.69829024	-4.95638775	51° 41.8974' N	4° 57.3833' W
Slipway Dredge Area	60	195797.53	204086.05	51.69828595	-4.95634772	51° 41.8972' N	4° 57.3809' W
Slipway Dredge Area	61	195803.50	204084.01	51.69826983	-4.95626018	51° 41.8962' N	4° 57.3756' W
Slipway Dredge Area	62	195808.42	204081.49	51.69824891	-4.95618762	51° 41.8949' N	4° 57.3713' W
Slipway Dredge Area	63	195811.47	204079.73	51.69823424	-4.95614256	51° 41.8941' N	4° 57.3686' W
Slipway Dredge Area	64	195815.04	204078.00	51.69821998	-4.95608997	51° 41.8932' N	4° 57.3654' W



Name	vertex_ind	E_BNG	N_BNG	Lat_WGS84_DD	Lon_WGS84_DD	Lat_WGS84_DDM	Lon_WGS84_DDM
Graving Dock Dredge Area	0	195868.66	203981.34	51.69737156	-4.95525849	51° 41.8423' N	4° 57.3155' W
Graving Dock Dredge Area	1	195865.25	203974.25	51.69730668	-4.95530367	51° 41.8384' N	4° 57.3182' W
Graving Dock Dredge Area	2	195865.24	203974.16	51.69730583	-4.95530370	51° 41.8383' N	4° 57.3182' W
Graving Dock Dredge Area	3	195865.05	203970.85	51.69727608	-4.95530457	51° 41.8366' N	4° 57.3183' W
Graving Dock Dredge Area	4	195865.75	203970.60	51.69727409	-4.95529431	51° 41.8364' N	4° 57.3177' W
Graving Dock Dredge Area	5	195853.96	203932.19	51.69692489	-4.95544219	51° 41.8155' N	4° 57.3265' W
Graving Dock Dredge Area	6	195853.51	203930.72	51.69691153	-4.95544784	51° 41.8147' N	4° 57.3269' W
Graving Dock Dredge Area	7	195835.45	203870.70	51.69636601	-4.95567367	51° 41.7820' N	4° 57.3404' W
Graving Dock Dredge Area	8	195832.04	203871.72	51.69637393	-4.95572354	51° 41.7824' N	4° 57.3434' W
Graving Dock Dredge Area	9	195814.87	203876.84	51.69641365	-4.95597464	51° 41.7848' N	4° 57.3585' W
Graving Dock Dredge Area	10	195811.45	203877.85	51.69642148	-4.95602465	51° 41.7853' N	4° 57.3615' W
Graving Dock Dredge Area	11	195813.80	203885.30	51.69648923	-4.95599505	51° 41.7894' N	4° 57.3597' W
Graving Dock Dredge Area	12	195829.99	203938.04	51.69696870	-4.95579198	51° 41.8181' N	4° 57.3475' W
Graving Dock Dredge Area	13	195830.41	203939.41	51.69698115	-4.95578672	51° 41.8189' N	4° 57.3472' W
Graving Dock Dredge Area	14	195842.15	203977.65	51.69732880	-4.95563946	51° 41.8397' N	4° 57.3384' W
Graving Dock Dredge Area	15	195843.60	203977.25	51.69732574	-4.95561827	51° 41.8395' N	4° 57.3371' W
Graving Dock Dredge Area	16	195846.28	203988.36	51.69742651	-4.95558601	51° 41.8456' N	4° 57.3352' W
Graving Dock Dredge Area	17	195868.66	203981.34	51.69737156	-4.95525849	51° 41.8423' N	4° 57.3155' W



Attachment 2 - Map Showing Marine Project Footprint

