

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 2010
- 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 you 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 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 you application please contact the MLT via marinelicensing@naturalresourceswales.gov.uk

1. Project Description and Cost

1 (a). Project Name

Wylfa Newydd Project

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

Horizon Nuclear Power Wylfa Limited (Horizon) is proposing to construct and operate a new nuclear power station at Wylfa, on land west of Cemaes on Anglesey - the Wylfa Newydd Project (the Project).

The Wylfa Newydd Project includes a range of licensable marine activities that will need to be consented via a Marine Licence under the Marine & Coastal Access Act 2009 (as amended). These activities will be undertaken seawards of the current line of mean high water spring tides (MHWS) and include or are associated with the Project's major marine infrastructure items - notably the Marine Off-Loading Facility (MOLF), the Cooling Water System (CWS) and breakwaters – and comprise the following types of activities:

- Temporary marine works comprising a temporary access ramp, a temporary barge berth, a temporary CWS intake channel cofferdam, a temporary CWS intake structure cofferdam, a temporary CWS outfall structure cofferdam, temporary aids to navigation and a temporary waste water outfall.
- Permanent marine works comprising a MOLF with a bulk quay and a Roll on-Roll off (Ro-Ro) quay, layby berth and a pontoon berth, a reclaimed land area, permanent aids to navigation, a CWS intake structure, a CWS intake channel, a CWS intake Fish Recovery and Return (FRR) system, a CWS intake skimmer wall, a CWS outfall structure, breakwaters including a west breakwater and east breakwater, surface water drainage outfalls, and shore protection works built into some of the permanent marine works.

This application relates to the associated capital dredging and deposit at sea at the Holyhead North (ISO43) disposal site of surficial soft sediment (approximately 220,000m³ as an in situ volume, which equates to approximately 242,000m³ as a bulked volume), capital dredging and deposit at sea at the Holyhead North (ISO43) disposal site of rock (approximately 262,857m³ as an in situ volume, which equates to approximately 368,000m³ as a bulked volume), and excavation and re-use of rock within the Project (approximately 500,000m³ as an in situ volume, which equates to approximately 700,000m³ as a bulked volume).

There is a separate marine licence application form for the construction and maintenance of the marine works that form part of the Wylfa Newydd Project.

The methodologies set out in this application form are indicative only at this stage and will be refined as the Project design progresses. The planned phasing details for each 12 month period, to the extent that these are available at this stage, are shown in the accompanying document:

- Marine Licence Application Reference number: ML-PLD-01-PDR - MARINE LICENCE APPLICATION – SCHEDULE OF LICENSABLE MARINE ACTIVITIES.

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)

>£1,000,000

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

Capital dredging works only are applied for in this marine licence application and are likely to generate the following estimated quantities of dredged material for deposit at sea:

- Surficial soft sediment: approximately 220,000m³ in situ and 242,000m³ bulked, with an in situ density of approximately 352,000 tonnes.
- Bedrock: approximately 262,857m³ in situ and 368,000m³ bulked, with an in situ density of approximately 709,714 tonnes.

In addition, approximately 500,000m³ of in situ bedrock (700,000m³ bulked) will be excavated from the combined CWS intake channel and CWS intake structure, and the CWS outfall locations in dry working conditions created by the installation of temporary cofferdams. This bedrock will not be deposited at sea but will be re-used within the Project in accordance with the Wylfa Newydd Code of Construction Practice (CoCP) (PINS Application Reference number: 8.6).

No maintenance dredging or disposal is the subject of this application. Please refer to Section 12 onwards of this application form for further information on dredge areas, materials and quantities.

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)	<input type="text"/>		
Title	<input type="text"/>	Name	<input type="text"/>
		Surname	<input type="text"/>
Company or Trading Name	<input type="text"/>		
Address (inc. postcode)	<input type="text"/>		
Name of Contact (if different)	<input type="text"/>		
Position in Company	<input type="text"/>		
Telephone no. (inc. area code)	<input type="text"/>		
Email address	<input type="text"/>		
Company Registration Number	<input type="text"/>		

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?

Horizon submitted a Screening/Scoping request to NRW's Marine Licensing Team (MLT) on 3rd May 2017 (DCRM Ref. No: WN0902-JAC-PAC-REP-00001). This request was made in parallel to the submission of a revised 'Addendum Scoping Document' to the Planning Inspectorate (PINS) under the Infrastructure Planning (Environmental Impact Assessment) Regulations 2009 (as amended). The Addendum Scoping Document contained an appendix entitled 'Wylfa Newydd Marine Works Environmental Impact Assessment Scoping Report' (Marine Works EIA Scoping Report).

NRW's response (Ref: CAS-33124-K0T2) included 'Annex 2' which detailed NRW Permitting Service's comments on the Marine Works EIA Scoping Report. The response indicated that NRW were considering the possible deferral of its EIA Consent Decision to PINS (as the 'other consenting authority') under Regulation 10(1)(b) of the Marine Works (Environmental Impact Assessment) Regulations 2007 (as amended). As such, no formal Screening or Scoping Opinions have been provided by NRW under these Regulations.

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**.

N/A

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 01/10/2019

Requested Licence Expiry Date 31/12/2035

*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

Dredging and disposal of dredged materials will take place year-round.

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

N/A

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

	Operator	Name of Vessel	Vessel Registration Number	Country of Registration	Method of Deposit
(a)	<p>Details will be provided to NRW once known.</p> <p>The following types of vessels will be required to carry out the capital dredging and disposal activities:</p> <ul style="list-style-type: none"> • Dredgers (e.g. trailing suction hopper, cutter suction and back-hoe). • Rock breakers. • Rock cutters. • Barges for the transportation of materials. • Work boats and safety boats. There would be a number of small vessels required to transfer workers from land onto marine plant during the period of construction 				

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

Please note: Further information will be submitted to NRW pending contractor involvement.

The method statement for the capital dredging works and deposit of dredged material at sea (and re-use of dredged material) is provided in supporting document:

- Marine Licence Application Reference number: ML-PLD-01-PDR - MARINE LICENCE APPLICATION – SCHEDULE OF LICENSABLE MARINE ACTIVITIES.
 - Section 3.7.

Accompanying location plans and drawings outlining the licensable marine activities which form part of the Wylfa Newydd Project are provided in supporting document:

- Marine Licence Application Reference number: WN0907-HZCON-LAP-DRG-00001 to WN0907-HZCON-LAP-DRG-00041 – Marine Licence Drawings Rev 2.0, excluding the following drawing numbers: 00027, 00030, and 00031.

Further information on the deposit of dredged material at the Holyhead North disposal site (ISO43) is provided in supporting document:

- Marine Licence Application Reference number: ML-OTH-01-DSC – HOLYHEAD NORTH ISO43 DISPOSAL SITE CHARACTERISATION REPORT.

Dredging of Surficial soft sediment

The surficial soft sediment will be removed by conventional dredging plant such as a backhoe dredger, cutter suction dredger or trailing suction hopper. This dredging activity will last for approximately 10 months.

Dredging of Bedrock in wet working conditions

The bedrock will be fractured by peckering with a breaker, ripped out and dredged with a barge mounted backhoe excavator, and loaded into barges. This dredging activity will last for approximately 16 months.

Excavation of Bedrock in dry working conditions

The bedrock will be fractured by blasting (i.e. with explosives), excavated using tracked excavators, and loaded into dump trucks. This excavation activity is expected to take approximately 14 months.

Please refer to Section 12 onwards of this application form for further information on dredge areas, materials and quantities.

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)	CWS intake channel dredge area (including the MOLF's bulk quay berth pocket) Drawing: WN0907-HZCON-LAP-DRG-00008 Rev 2.0	<table border="1"> <thead> <tr> <th>Ref</th> <th>Easting</th> <th>Northing</th> <th>Latitude</th> <th>Longitude</th> <th>Grid ref</th> </tr> </thead> <tbody> <tr> <td>105</td> <td>234379.500</td> <td>393856.808</td> <td>53.415445</td> <td>-4.4934866</td> <td>SH 34379 93857</td> </tr> <tr> <td>106</td> <td>234443.534</td> <td>393974.313</td> <td>53.416520</td> <td>-4.4925858</td> <td>SH 34444 93974</td> </tr> <tr> <td>107</td> <td>234486.578</td> <td>393946.926</td> <td>53.416288</td> <td>-4.4919244</td> <td>SH 34487 93947</td> </tr> <tr> <td>108</td> <td>234647.741</td> <td>393988.393</td> <td>53.416711</td> <td>-4.4895237</td> <td>SH 34648 93988</td> </tr> <tr> <td>109</td> <td>234670.258</td> <td>393901.485</td> <td>53.415937</td> <td>-4.4891396</td> <td>SH 34670 93901</td> </tr> <tr> <td>110</td> <td>234592.824</td> <td>393767.711</td> <td>53.414712</td> <td>-4.4902333</td> <td>SH 34593 93768</td> </tr> <tr> <td>116</td> <td>234408.527</td> <td>393746.475</td> <td>53.414463</td> <td>-4.4929923</td> <td>SH 34408 93746</td> </tr> <tr> <td>201</td> <td>234584.501</td> <td>393752.950</td> <td>53.414577</td> <td>-4.4903507</td> <td>SH 34584 93753</td> </tr> </tbody> </table> <p data-bbox="777 1027 1751 1075">MOLF Berth Pocket coordinates</p> <table border="1"> <thead> <tr> <th>Ref</th> <th>Easting</th> <th>Northing</th> <th>Latitude</th> <th>Longitude</th> <th>Grid ref</th> </tr> </thead> <tbody> <tr> <td>108</td> <td>23464.741</td> <td>393988.393</td> <td>53.416711</td> <td>-4.4895237</td> <td>SH 34648 93988</td> </tr> <tr> <td>109</td> <td>234670.258</td> <td>393901.485</td> <td>53.415937</td> <td>-4.4891396</td> <td>SH 34670 93901</td> </tr> <tr> <td>201</td> <td>234584.501</td> <td>393752.950</td> <td>53.414577</td> <td>-4.4903507</td> <td>SH 34584 93753</td> </tr> <tr> <td>202</td> <td>234544.608</td> <td>393775.854</td> <td>53.414770</td> <td>-4.4909623</td> <td>SH 34545 93776</td> </tr> <tr> <td>203</td> <td>234621.005</td> <td>393908.177</td> <td>53.415982</td> <td>-4.4898835</td> <td>SH 34621 93908</td> </tr> </tbody> </table>	Ref	Easting	Northing	Latitude	Longitude	Grid ref	105	234379.500	393856.808	53.415445	-4.4934866	SH 34379 93857	106	234443.534	393974.313	53.416520	-4.4925858	SH 34444 93974	107	234486.578	393946.926	53.416288	-4.4919244	SH 34487 93947	108	234647.741	393988.393	53.416711	-4.4895237	SH 34648 93988	109	234670.258	393901.485	53.415937	-4.4891396	SH 34670 93901	110	234592.824	393767.711	53.414712	-4.4902333	SH 34593 93768	116	234408.527	393746.475	53.414463	-4.4929923	SH 34408 93746	201	234584.501	393752.950	53.414577	-4.4903507	SH 34584 93753	Ref	Easting	Northing	Latitude	Longitude	Grid ref	108	23464.741	393988.393	53.416711	-4.4895237	SH 34648 93988	109	234670.258	393901.485	53.415937	-4.4891396	SH 34670 93901	201	234584.501	393752.950	53.414577	-4.4903507	SH 34584 93753	202	234544.608	393775.854	53.414770	-4.4909623	SH 34545 93776	203	234621.005	393908.177	53.415982	-4.4898835	SH 34621 93908	Sea	N/A
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		204	234603.177	393976.984	53.416594	-4.4901876	SH 34603 93977		
(b)	West breakwater Drawing: WN0907-HZCON-LAP-DRG-0008 Rev 2.0	Ref	Easting	Northing	Latitude	Longitude	Grid ref	Sea	N/A
		301	234365.156	393760.264	53.414574	-4.4936514	SH 34365 93760		
		302	234275.337	393816.974	53.415055	-4.4950313	SH 34275 93817		
		303	234405.199	394102.671	53.417661	-4.4932295	SH 34405 94103		
		304	234381.725	394297.812	53.419406	-4.4936850	SH 34382 94298		
		305	234556.762	394298.730	53.419469	-4.4910542	SH 34557 94299		
		306	234558.059	394116.866	53.417836	-4.4909392	SH 34558 94117		

(c)	East breakwater Drawing: WN0907-HZCON-LAP-DRG-0008 Rev 2.0	Ref	Easting	Northing	Latitude	Longitude	Grid ref	Sea	N/A
		401	234853.895	393899.615	53.415978	-4.4863784	SH 34854 93900		
		402	234868.888	393930.816	53.416263	-4.4861694	SH 34869 93931		
		403	234858.762	393986.826	53.416763	-4.4863509	SH 34859 93987		
		404	234804.361	394024.950	53.417088	-4.4871886	SH 34804 94025		
		405	234677.112	394134.902	53.418036	-4.4891591	SH 34677 94135		
		406	234609.249	394117.288	53.417856	-4.4901699	SH 34609 94117		
		407	234581.157	394068.630	53.417411	-4.4905667	SH 34581 94069		
		408	234601.209	393999.304	53.416788	-4.4905303	SH 34581 93999		
		409	234770.467	393950.009	53.416405	-4.4876588	SH 34770 93950		

(d) Excavation in dry conditions (combined CWS intake channel and CWS intake structure, and CWS outfall structure) Drawing: WN0907-HZCON-LAP-DRG-00008 Rev 2.0	Ref	Easting	Northing	Latitude	Longitude	Grid ref	Sea (but in dry conditions)	N/A	
	101	234746.109	393442.138	53.411835	-4.4877598	SH 34746 93442			
	102	234734.093	393421.318	53.411646	-4.4879283	SH 34734 93421			
	103	234577.885	393505.453	53.412352	-4.4903202	SH 34578 93505			
	104	234447.966	393595.980	53.413124	-4.4923204	SH 34448 93596			
	116	234408.527	393746.475	53.414463	-4.4929923	SH 34408 93746			
	201	234584.501	393752.950	53.414577	-4.4903507	SH 34584 93753			
	110	234592.824	393767.711	53.414712	-4.4902333	SH 34593 93768			
	111	234706.856	393709.117	53.414221	-4.4884886	SH 34707 93709			
	112	234690.130	393676.770	53.413926	-4.4887230	SH 34690 93677			
	113	234752.219	393640.153	53.413616	-4.4877706	SH 34752 93640			
	114	234829.342	393586.329	53.413157	-4.4865832	SH 34829 93586			
	115	234824.020	393577.084	53.413073	-4.4866583	SH 34824 93577			
	CWS Outfall area								
	Ref	Easting	Northing	Latitude	Longitude	Grid ref			
	501	235259.063	394241.725	53.419171	-4.4804685	SH 35259 94241			
	502	235284.900	394199.631	53.418801	-4.4800701	SH 35284 94199			
	503	235231.520	394191.610	53.418713	-4.4808621	SH 35231 94191			
	504	235233.600	394208.260	53.418866	-4.4808413	SH 35233 94208			

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 12 [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 (CWS intake channel and MOLF's bulk quay berth pocket)	2.7	Rock: 100%	CWS Intake Channel: -10.0mAOD (plus dredge tolerance of 0.6m) MOLF's bulk quay berth pocket: -11.9mAOD (plus dredge tolerance of 0.6m)	262,857m ³ in situ (368,000m ³ bulked) (709,714 tonnes) (note: quantities provided in this column are maximum approximate dredge quantities for the project as assessed).
(b)	Capital (west breakwater)	1.6	Surficial sediments: Coarse sand: 56% Medium sand: 12% Fine sand: 9.6% Fines: 22.4%	Maximum predicted dredge depth: -22.0mAOD (approx). Seabed level: -18.7m AOD (approx). Depth of material to be removed: 3.3m average (approx).	220,000m ³ in situ (242,000m ³ bulked) (352,000 tonnes)

(c)	Capital (east breakwater, including shore protection works)	As stated above for area (b)	As stated above for area (b)	Maximum predicted dredge depth: -17.0mAOD (approx). Seabed level: -13.0m AOD (approx). Depth of material to be removed: 4.0m average (approx).	Included in quantity stated above for area (b)
(d)	Excavation in dry conditions (combined CWS intake channel and CWS intake structure, and CWS outfall structure)	2.7	Rock: 100%	-10.0mAOD (plus excavation tolerance of 0.3m)	500,000m ³ in situ (700,000m ³ bulked) (excavated in dry conditions)

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 **12** [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 16)
(a)	Rock – not applicable	Peckering with breaker then ripping/dredging with barge mounted excavator	None – the investigation of beneficial uses and adherence to the principles of the Waste Hierarchy are discussed in supporting documentation accompanying this application. See Section 16 of this application form.
(b)	None	Trailing suction hopper, cutter suction or backhoe dredger anticipated	None
(c)	None	Trailing suction hopper, cutter suction or backhoe dredger anticipated	None
(d)	Rock – not applicable	Drilling and blasting (i.e. using explosives) in dry conditions then excavation using tracked excavators and dump trucks.	All material excavated in dry conditions to be re-used within the project in accordance with the Wylfa Newydd CoCP (PINS Application Reference number: 8.6).

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

The marine works are the subject of a separate application form (ML-APP-01-MW – APPLICATION FOR A MARINE LICENCE FOR MARINE WORKS).

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.

Alternatives to sea disposal of dredged materials have been fully considered and assessed in the Environmental Statement (ES) - PINS Application Reference numbers: 6.1.1 to 6.11. It is anticipated that the surficial soft sediment (approximately 220,000m³ as an in situ volume, equating to 242,000m³ as a bulked volume) will be unsuitable for re-use. NRW has advised that disposal at sea using the Holyhead North Disposal Site (ISO43) is the preferred option, rather than re-use, so that the deposited dredged material is retained within the wider natural sediment system.

The re-use of rock material will be subject to its suitability. Horizon currently envisages that all rock material excavated in dry conditions (approximately 500,000m³ as an in situ volume, equating to approximately 700,000m³ as a bulked volume) will be reused within the project in accordance with the Wylfa Newydd CoCP (PINS Application Reference number: 8.6). Rock material dredged outside the temporary CWS intake channel cofferdam (approximately 262,857m³ as an in situ volume, which equates to 368,000m³ as a bulked volume) is expected to require disposal at the Holyhead North Disposal Site (ISO43), as no other suitable options are available for this type or quantity of material.

Further information is provided in supporting documents:

- Marine Licence Application Reference number: ML-PLD-01-PDR - MARINE LICENCE APPLICATION – SCHEDULE OF LICENSABLE MARINE ACTIVITIES.
- PINS Application Reference number: 6.1.1 to 6.11 – Environmental Statement and Non-Technical Summary;
- Marine Licence Application Reference number: ML-ESX-01-SPR - MARINE LICENCE APPLICATION - Signposting Report for the Environmental Statement;
- PINS Application Reference number: 8.26 - Water Framework Directive Compliance Assessment;
- Marine Licence Application Reference number: ML-WFD-01-SPR - MARINE LICENCE APPLICATION - Signposting Report for the Water Framework Directive Compliance Assessment;
- PINS Application Reference number: 5.2 – Shadow Habitats Regulations Assessment Report;
- Marine Licence Application Reference number: ML-HRA-01-SPR - MARINE LICENCE APPLICATION - Habitats Regulations Assessment Signposting Report;
- Marine Licence Application Reference number: ML-OTH-01-DSC – HOLYHEAD NORTH ISO43 DISPOSAL SITE CHARACTERISATION REPORT;
- Marine Licence Application Reference number: ML-OTH-02-WFSA - Waste Framework Strategy Assessment.

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

IS043 (Holyhead North)

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

ID	EASTING	NORTHING	LATITUDE	LONGITUDE	GRID Ref.
HN001	212229.000	392053.000	53.391832	-4.825276	SH 12229 92053
HN002	216660.000	391877.000	53.391813	-4.758628	SH 16660 91877
HN003	216411.000	385469.000	53.334194	-4.758646	SH 16411 85469
HN004	211976.000	385621.000	53.333997	-4.825264	SH 11976 85621

Coordinate systems used:

Eastings and Northings: Universal Transverse Mercator coordinate system (Zone 30U).

LAT/LONG: World Geodetic System (WGS84).

GRID Ref: Ordnance Survey National Grid (OSGB36).

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**.

The principal means of pre-application consultation has been through the Environmental Impact Assessment (EIA) and Habitats Regulations Assessment (HRA) processes and associated working groups; the membership of which included the Planning Inspectorate, Natural Resources Wales (as the Statutory Nature Conservation Authority and a competent authority in this case) and the Isle of Anglesey County Council.

For further information, please see the following supporting documents:

- PINS Application Reference number: 6.1.1 to 6.11 – Environmental Statement and Non-Technical Summary;
- Marine Licence Application Reference number: ML-ESX-01-SPR - MARINE LICENCE APPLICATION - Signposting Report for the Environmental Statement;
- PINS Application Reference number: 8.26 - Water Framework Directive Compliance Assessment;
- Marine Licence Application Reference number: ML-WFD-01-SPR - MARINE LICENCE APPLICATION - Signposting Report for the Water Framework Directive Compliance Assessment;
- PINS Application Reference number: 5.2 – Shadow Habitats Regulations Assessment Report;
- Marine Licence Application Reference number: ML-HRA-01-SPR - MARINE LICENCE APPLICATION - Habitats Regulations Assessment Signposting Report.
- Marine Licence Application Reference number: ML-OTH-01-DSC – HOLYHEAD NORTH IS043 DISPOSAL SITE CHARACTERISATION REPORT.

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:

Special Areas of Conservation (SACs) and candidate SACs (cSACs):

- Gogledd Môn Forol/North Anglesey Marine cSAC - Wales (UK0030398).
- Bae Cemlyn/Cemlyn Bay SAC - Wales (UK0030114).
- Glannau Ynys Gyb/Holy Island Coast SAC - Wales (UK0013046).
- Llyn Dinam SAC - Wales (UK0030186).
- Corsydd Môn/Anglesey Fens SAC - Wales (UK0012884).
- Afon Gwyrfai a Llyn Cwellyn SAC - Wales (UK0030046).
- Pen Llyn a'r Sarnau/Llyn Peninsula and the Sarnau SAC - Wales (UK0013117).
- Gorllewin Cymru Forol/West Wales Marine cSAC - Wales/England (UK0030397).
- Afon Eden–Cors Goch Trawsfynydd SAC - Wales (UK0030075).
- Afon Dyfrdwy a Llyn Tegid/River Dee and Bala Lake SAC Wales/England (UK0030252).
- Bae Ceredigion/Cardigan Bay SAC - Wales (UK0012712).
- Afon Teifi/River Teifi SAC - Wales (UK0012670).
- Dynesfeydd Môr Hafren/Bristol Channel Approaches cSAC - Wales/England (UK0030396).
- Sir Benfro Forol/Pembrokeshire Marine SAC - Wales (UK0013116).
- North Channel cSAC - Northern Ireland (UK0030399).
- Murlough SAC – Northern Ireland (UK0016612).
- Strangford Lough SAC – Northern Ireland (UK0016618).
- The Maidens SAC - Northern Ireland (UK0030384).
- Rockabill to Dalkey SAC - Ireland (IE003000).
- Lambay Island SAC – Ireland (IE0000204).
- Slaney River Valley SAC – Ireland (IE0000781).
- Saltee Islands SAC – Ireland (IE0000707).

Special Protection Areas (SPAs) and potential SPAs (pSPAs):

- Morwenoliaid Ynys Môn/Anglesey Terns SPA - Wales (UK9013061).
- Glannau Ynys Gybi/Holy Island Coast SPA - Wales (UK9013101).
- Ynys Seiriol/Puffin Island SPA - Wales (UK9020285).
- Glannau Aberdaron and Ynys Enlli/Aberdaron Coast Bardsey Island SPA - Wales (UK9013121).

18 (c) Continued

Special Protection Areas (SPAs) and potential SPAs (pSPAs) (cont.):

- Mynydd Cilan, Trwyn y Wylfa ac Ynysoedd Sant Tudwal/Mynydd Cilan, Trwyn y Wylfa and the St. Tudwal Islands SPA - Wales (UK9020282).
- Aber Afen Dyfrdwy/Dee Estuary SPA – Wales/England (UK9013011).
- Sgomer, Gogwm a moroedd Benfro/Skomer, Skokholm and the seas off Pembrokeshire SPA - Wales (UK9014051).
- Grassholm SPA - Wales (UK9014041).
- Mersey Narrows and North Wirral Foreshore SPA – England (UK9020287).
- Ribble and Alt Estuaries SPA – England (UK9005103).
- Morecambe Bay SPA – England (UK9005081).
- Morecambe Bay and Duddon Estuary SPA – England (UK9005081).
- Bowland Fells SPA - England (UK9005151).
- Lambay Island SPA - Ireland (004069).
- Ireland's Eye SPA - Ireland (004117).
- East Coast Marine pSPA – Northern Ireland (UK9020320).
- Copeland Islands SPA - Ireland (UK9020291).
- Saltee Islands SPA - Ireland (004002).
- Rathlin Island SPA – Northern Ireland (UK9020011).
- Horn Head to Fanad Head SPA – Ireland (004194).
- West Donegal Coast SPA – Ireland (004150).
- Tory Island SPA – Ireland (004073).
- Ailsa Craig SPA – Scotland (UK9003091).

Ramsar sites:

- Corsydd Môn a Llyn/Anglesey and Llyn Fens Ramsar - Wales (UK14005).
- Aber Afen Dyfrdwy/Dee Estuary Ramsar site – Wales/England (UK11082).
- Mersey Narrows and North Wirral Foreshore Ramsar site - England (UK11042).
- Ribble and Alt Estuaries Ramsar site – England (UK11057).
- Morecambe Bay Ramsar site – England (UK11045).

Sites of Special Scientific Interest (SSSI):

- Cemlyn Bay SSSI;
- Puffin Island SSSI;
- The Skerries SSSI; and
- Glannau Ynys Gybi: Holy Island Coast SSSI.

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

Please see the following supporting documents:

- PINS Application Reference number: 6.1.1 to 6.11 – Environmental Statement and Non-Technical Summary;
- Marine Licence Application Reference number: ML-ESX-01-SPR - MARINE LICENCE APPLICATION - Signposting Report for the Environmental Statement;
- PINS Application Reference number: 5.2 – Shadow Habitats Regulations Assessment Report;
- Marine Licence Application Reference number: ML-HRA-01-SPR - MARINE LICENCE APPLICATION - Habitats Regulations Assessment Signposting Report.
- Marine Licence Application Reference number: ML-OTH-01-DSC – HOLYHEAD NORTH IS043 DISPOSAL SITE CHARACTERISATION REPORT.

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.

N/A

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:

N/A.

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:

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

20(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.

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	N/A	
BACS (not remittance no.)	N/A	
World Pay (phone or CC1)	N/A	

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	Horizon Nuclear Power Wylfa Ltd
FAO	
Purchase order number	PO496977
Address for invoice	Horizon Nuclear Power Wylfa Limited Sunrise House 1420 Charlton Court Gloucester Business Park Gloucester GL3 4AE
Telephone Number	+44 (0)1242 508035
Email Address	invoice.hitachi-europe@swisspost.com

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 18.6.18

Name (in capitals) GREGORY ALAN EVANS

Position in Company EXECUTIVE DIRECTOR OF OPERATIONS

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.