



Comhshaol, Pobal agus Rialtas Áitiúil  
Environment, Community and Local Government

For Office Use

Ref. No. \_\_\_\_\_

Application date: \_\_\_\_\_

Date of receipt. \_\_\_\_\_

Date Validated: \_\_\_\_\_

**APPLICATION FOR A LEASE/LICENCE/CONSENT UNDER THE FORESHORE ACT  
1933 (AS AMENDED)**

- Applications for Offshore renewable energy (ORE) projects should use an ORE specific form.
- Please complete the form electronically. Type details in the boxes provided, space will expand as you type.
- The enclosures checklist should also be completed
- Tá an leagan Gaeilge den fhoirm seo ar fáil ar larratas.

**Applicant Details (please note that if the project proponent changes a new application will be required):**

<b>Contact Name:</b> Louise Clune
<b>Company/Organisation:</b> Aughinish Alumina Ltd.
<b>Address:</b> Aughinish Island, Askeaton, Co. Limerick
<b>Phone No:</b> 061 604000
<b>E-mail address:</b> <a href="mailto:louise.clune@augh.com">louise.clune@augh.com</a>

**Nominated Contact/Agent (Where different from above):**

<b>Name:</b> Niall Haverty
<b>Company:</b> Tom Phillips + Associates
<b>Address:</b> 80 Harcourt Street, Dublin 2
<b>Phone No:</b> 01 478 6055
<b>E-mail address:</b> <a href="mailto:niall@tpa.ie">niall@tpa.ie</a>

**Applicant's Legal Advisor:**

<b>Name:</b> William Fry
<b>Address:</b> 2 Grand Canal Square, Dublin 2
<b>Phone No:</b> 01 639 5000
<b>E-mail address:</b> <a href="mailto:info@williamfry.com">info@williamfry.com</a>

**Part 1: Proposal Details (Attach additional documents as required)**

1.1	<p><b>Description of proposed works/activity.</b></p> <p>It is proposed to undertake maintenance dredging in the Shannon Estuary in the vicinity of the deep-water jetty at the Aughinish Alumina Ltd. plant, Aughinish, Co. Limerick. This will entail bed levelling using a plough dredger to remove high points within the navigation and berthing areas.</p> <p>The purpose of the maintenance dredging is to maintain the design and navigational depths for shipping and to allow for the full use of the length of the jetty structure and manoeuvring area.</p> <p>An 8 year programme of maintenance dredging is proposed, with a maximum annual dredge volume of 8,000m<sup>3</sup>.</p>																
1.2	<p><b>Describe the nature and scale of any structure to be erected on the foreshore. Is the structure proposed to be temporary or permanent?</b></p> <p>No structures are proposed. The Application relates solely to maintenance dredging.</p>																
1.3	<p><b>Indicative timing of the works/activity: (i) Start date (ii) Duration (iii) Any other information relevant to timing.</b></p> <p>(i) Start date: Upon receipt of Licence and Dumping at Sea Permit.</p> <p>(ii) Duration: It is envisaged that, at most, dredging may be required 3 – 4 times within each year. Each dredge event is expected to take place over a 4-5 day period.</p> <p>(iii) Other information: An 8 year programme of annual maintenance dredging is proposed.</p>																
1.4	<p><b>Primary usage for proposed development (please tick)</b></p> <table border="1" data-bbox="422 1422 1236 1758"> <thead> <tr> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>Industrial</td> <td></td> </tr> <tr> <td>Commercial</td> <td>X</td> </tr> <tr> <td>Within Fishery Harbour Centre</td> <td>X</td> </tr> <tr> <td>Sea Fisheries</td> <td></td> </tr> <tr> <td>Local Authority</td> <td></td> </tr> <tr> <td>Community/Co Op scheme</td> <td></td> </tr> <tr> <td>Other(specify)</td> <td></td> </tr> </tbody> </table> <p>The purpose of the maintenance dredging is to maintain the design depth for vessels utilising the Aughinish Alumina jetty.</p>	Use		Industrial		Commercial	X	Within Fishery Harbour Centre	X	Sea Fisheries		Local Authority		Community/Co Op scheme		Other(specify)	
Use																	
Industrial																	
Commercial	X																
Within Fishery Harbour Centre	X																
Sea Fisheries																	
Local Authority																	
Community/Co Op scheme																	
Other(specify)																	

1.5	<p><b>Do the proposed works provide for public use, commercial use, restricted use or strictly private use? Provide Details</b></p> <p>The works primarily provide for the continued safe passage of commercial shipping to and from Aughinish Alumina Ltd.</p>
1.6	<p><b>Might the proposed works restrict public use/enjoyment of the foreshore? Provide details.</b></p> <p>No. The proposed maintenance dredging programme is of limited duration and frequency, as set out in Section 1.4. The primary dredge areas are immediately adjacent to the Aughinish Alumina Ltd. jetty and will not restrict use of the Estuary by other users.</p>
1.7	<p><b>Has the applicant held or does the applicant hold any previous Foreshore Licences, Leases or applications over the area sought or over any other area including pending applications? (Give details including Department's file reference number(s)).</b></p> <p>Yes. The Applicant has a Foreshore Lease for the construction of the jetty and approach channel. A copy of the Foreshore Lease is enclosed.</p> <p>An application for a Dumping at Sea Permit associated with the proposed maintenance dredging has also been submitted to the EPA. The reference number is not yet available but can be provided in due course.</p>
1.8	<p><b>Status of planning permission application: Pending/granted/<u>not required</u>.</b></p> <p><b>Consent Authority:</b> N/A <b>Reference Number:</b> N/A</p> <p><b>(Please provide copies of consents granted)</b></p>
1.9	<p><b>Are any other consents required for this proposal? Please detail.</b></p> <p><b>Consent type</b> Dumping at Sea Permit <b>Consent Authority:</b> EPA <b>Reference Number:</b> Not yet available <b>Status of application:</b> Concurrent application with this Foreshore Licence application.</p> <p><b>(Please provide copies of consents granted)</b></p>

<b>1.10</b>	<b>Employment Implications (if any)</b>  Dredging activity will support employment of dredging contractor. Proposal will safeguard the ongoing successful operation of the Aughinish Alumina plant. The plant employs c. 450 staff directly, with c. 185 maintenance and installation contractors and considerable further employment for local service industries.
<b>1.11</b>	<b>Capital cost of proposed works (€ - Euro)</b>  The cost of the proposed maintenance dredging will be operating expenditure, rather than capital expenditure and therefore this section is not considered to be applicable. However, the estimated cost of dredging is c. €5,000 per day.
<b>1.12</b>	<b>Do the proposed works involve the draw down of European Union or State funding?</b> <b>If "Yes" give details, including any time restrictions, etc. applying</b>  No

**Part 2: Proposed Site. (Attach additional documents as required)**

<b>2.1</b>	<b>County:</b> Limerick
<b>2.2</b>	<b>Location name and nearest townland name:</b>  Location: Shannon Estuary. Nearest Townland: Aughinish East

## 2.3

**Geographic co-ordinates of the area under application in degrees minutes and seconds WGS84 for offshore developments and where the area can also be identified on the Ordnance Survey map and /or is connected to the seashore/mainland , specify Ordnance Survey map no and Irish National Grid co-ordinates**

OS Map Nos. 4795-B, 4736-C, 4796-A, 4735, 4736

Geographic Co-ordinates below. Please refer to drawing Nos. 17076-5002, 17076-5003, 17076-5004.

Area	Location	WGS84 Datum		ITM	
		Latitude (dd mm.mmm)	Longitude (dd mm.mmm)	Easting	Northing
Area A	TL	52 38.7406	-9 3.5967	528271	655469
	TR	52 38.7520	-9 3.3448	528555	655486
	BL	52 38.7213	-9 3.5944	528273	655433
	BR	52 38.7326	-9 3.3424	528558	655450
Area B	TL	52 38.2149	-9 3.4902	528377	654492
	TR	52 38.2259	-9 3.4262	528449	654512
	BL	52 38.2019	-9 3.4841	528383	654468
	BR	52 38.2130	-9 3.4202	528456	654488
Area C	TL	52 38.7045	-9 3.4972	528382	655400
	TR	52 38.7154	-9 3.2763	528632	655417
	BL	52 38.6868	-9 3.4949	528384	655367
	BR	52 38.6976	-9 3.2740	528634	655384
Original Capital Dredge Area	A	52 38.7585	-9 3.6683	528191	655503
	B	52 38.7810	-9 3.1680	528756	655537
	C	52 38.8522	-9 2.9960	528952	655666
	D	52 38.7832	-9 2.8870	529073	655536
	E	52 38.7297	-9 3.0552	528881	655440
	F	52 38.5874	-9 3.2269	528684	655179
	G	52 38.6504	-9 3.4980	528380	655300
	H	52 38.6488	-9 3.5313	528342	655298
	I	52 38.7237	-9 3.5412	528333	655437
	J	52 38.7212	-9 3.5970	528270	655433

2.4	<b>Please indicate the size of the Foreshore area (Ha<sup>2</sup>) or (M2) or (KM2)</b>	
	<b>Area</b>	<b>Area (m<sup>2</sup>)</b>
	A	5740
	B	800
	C	2000
	Limit of Original Capital Dredge Area	257,105
	Limit of Original Capital Dredge Area + Area B	257,905
2.5	<b>If offshore please indicate distance from shore (Km):</b> Varies from 0km to c. 1km depending on dredge area	
2.6	<b>Is any of the foreshore in the proposed site in private ownership? If yes please provide documentary evidence of same (e.g. folio)</b> No	
2.7	<b>Any other site details considered relevant:</b> The maintenance dredge area is primarily within the original capital dredge area for Aughinish Alumina Ltd.	

**Part 3. Maps and Drawings, Please refer to Guidance on map and drawing requirements.**

3.1	<b>Site location map attached? Please include reference no(s).</b> Yes. Refer to drawing No. 17076-5001.A
3.2	<b>Foreshore Lease/Licence map attached? Please include reference no(s).</b> Yes. Refer to drawing No. 17076-5002.A. Drawing Nos. 17076-5003.A and 17076-5004.A show the dredge area in more detail.
3.3	<b>Drawings of structures to be used and or layout (if required) attached? Please detail and include reference no(s).</b> N/A - No structures proposed.
3.4	<b>Admiralty Chart attached?</b> Yes. Refer to drawing No. 17076-5007.A

3.5	<p><b>Other maps/drawings attached ?– please detail and include reference numbers</b></p> <p>17076-5005.A (Dredge Area A and C – Sounding Survey) 17076-5006.A (Dredge Area B – Sounding Survey)</p>
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**Part 4: Pre- application consultations**

4.1	<p><b>Describe briefly any consultations undertaken with the following bodies.</b></p> <ul style="list-style-type: none"> <li>• National Parks &amp; Wildlife Service (NPWS)</li> <li>• National Monuments Service (NMS) of Department of Arts, Heritage and the Gaeltacht</li> <li>• Inland Fisheries Ireland</li> <li>• Sea Fisheries Protection Authority</li> <li>• Marine Institute</li> <li>• Marine Survey Office</li> </ul> <p><b>Please also provide copies of correspondence.</b></p> <p>Consultation has taken place with the Marine Institute, as outlined in the <i>Baseline Characterisation Report</i>.</p>
4.2	<p><b>Describe briefly any consultations undertaken with other relevant authorities (e.g. Local Authority, port/harbour authority etc) or State Agencies.</b></p> <p>Discussions with Shannon Foynes Port Company. Pre-application consultation with EPA in relation to Dumping at Sea Permit application.</p>
4.3	<p><b>Describe any consultations undertaken to date with other foreshore users.</b></p> <p>None.</p>

4.4	<p><b>Describe any likely interactions with activities of the public or other foreshore users during the construction and operational phases of the works/activities (e.g. fishing, aquaculture, sailing, and surfing swimming, walking). Describe any measures proposed to minimise inconvenience to other users.</b></p> <p>Proposed programme of maintenance dredging will be short-term in terms of duration and will occur on a small number of occasions annually (refer to Section 1.4 above). Plough dredging is proposed, with no loading of material to barges etc. Dredging vessel will maintain communications with other marine vessels, and Marine Notices will be published in advance of dredging campaigns.</p> <p>The primary dredge areas are adjacent to the Aughinish Alumina Ltd. jetty minimising interactions with the public.</p>
4.5	<p><b>Have adjacent land owners, whose properties may be affected by these works been consulted? Please provide details/permissions as appropriate.</b></p> <p>N/A – No landowners will be affected by these works.</p>

**Part 5: Environmental Considerations**  
 (your consultations with National Parks and Wildlife Service and National Monuments Service may inform your answers. Attach additional reports as required and mark under the R column)

[www.epa.ie/downloads/advice/ea/guidelines/](http://www.epa.ie/downloads/advice/ea/guidelines/)

[www.environ.ie/en/DevelopmentHousing/PlanningDevelopment/EnvironmentalAssessment/](http://www.environ.ie/en/DevelopmentHousing/PlanningDevelopment/EnvironmentalAssessment/)

<http://www.npws.ie/protectedsites/appropriateassessment/>

<http://webgis.npws.ie/npwsviewer/>

	<b>Environmental legislative requirements</b>	<b>Yes</b>	<b>No</b>	<b>R</b>
5.1	<p><b>Is an Environmental Impact Statement required for this proposal?</b></p> <p>EIS not required for maintenance dredging.</p>		X	
5.2	<p><b>Is a Natura Impact Statement required for this proposal?</b></p> <p>A Natura Impact Statement is enclosed.</p>	X		X



5.3	<p><b>Is the area within or adjacent to a NHA, pNHA, SAC, SPA, or National Park? Specify site names and code(s).</b></p> <p>Yes. The area is located partially or entirely within the following designated sites:</p> <ul style="list-style-type: none"> <li>• Lower River Shannon SAC (002165)</li> <li>• River Shannon and River Fergus Estuaries SPA (004077)</li> <li>• Inner Shannon Estuary - South Shore pNHA (000435)</li> </ul>	X		
5.4	<p><b>Describe any other projects or plans for the area, anticipated or developed, that in combination with this proposal, may have a significant effect on a Natura 2000 site: Please list with planning reference numbers (where available).</b></p> <p>This item is addressed in the enclosed <i>Natura Impact Statement</i>.</p>	X		X

	<b>Environmental Considerations</b>	<b>Yes</b>	<b>No</b>	<b>R</b>
5.5	<p><b>Will the proposal have any potential environmental impacts? If yes, please describe</b></p> <p>Short-term temporary increase in localised turbidity levels. No impacts from increased sediments or turbidity. Refer to enclosed <i>Sediment Transport Modelling Report</i>.</p>		X	X
5.6	<p><b>Are you proposing any measures to mitigate the potential environmental impacts? If yes, please describe</b></p> <ul style="list-style-type: none"> <li>- Marine Mammal observer (Refer to enclosed <i>Marine Mammal Risk Assessment</i>).</li> <li>- Archaeological survey if required (Refer to enclosed <i>Archaeological Impact Assessment</i>).</li> <li>- Usual observation of the dredge plume by Resident Engineer and Dredge Captain.</li> </ul>	X		X

5.7	<p><b>Are there public health/safety implications arising from the proposed works? (e.g. effluent disposal, removal of derelict or dangerous structures etc.) If yes, please describe</b></p> <p>There are no public health/safety implications arising. Maintenance dredging will be undertaken in accordance with established health and safety protocols and procedures.</p>		X	
5.8	<p><b>Will the works involve the storage and/or disposal of waste? If "Yes" please give details of the type of waste and the proposed method of storage and/or disposal (including location)</b></p> <p>No. Plough dredging is proposed, so there will be no loading, storage or disposal of waste. A Dumping at Sea Permit is being sought from the EPA.</p>		X	
5.9	<p><b>Other Environmental Considerations? If yes, please specify.</b></p> <p>No</p>		X	

<b>Built Heritage Considerations</b>		Yes	No	R
5.10	<p><b>Does the area contain an archaeological site or feature? If yes, please specify.</b></p> <p>No. Please refer to the enclosed <i>Archaeological Impact Assessment Report</i>.</p>		X	X
5.11	<p><b>Does the area contain or adjoin a listed archaeological site or monument? If yes, please specify.</b></p> <p>No. Refer to Section 7 of enclosed <i>Archaeological Impact Assessment Report</i>.</p>		X	X

5.12	<p><b>Will the proposal have any potential impacts on the archaeological integrity of the site? If yes please describe</b></p> <p>There will be no impacts on any known archaeological sites. There is a low possibility of impacting on unknown shipwrecks given the number of known shipwrecks in the wider Shannon Estuary. There is a low to medium possibility of impacting on potential unknown fish weirs.</p> <p>Refer to Section 7 of enclosed <i>Archaeological Impact Assessment Report</i>.</p>		X	X
5.13	<p><b>Are you proposing any measures to mitigate potential archaeological impacts? If yes, please describe?</b></p> <p>Archaeological monitoring will take place as required. Refer to Section 8 of enclosed <i>Archaeological Impact Assessment Report</i>.</p>	X		X

**Part 6: Navigational Safety Considerations. (Your consultations with relevant stakeholders may inform your answers. Attach additional documents as required and mark under the R column)**

	<b>Navigational Safety Considerations.</b>	<b>Yes</b>	<b>No</b>	<b>R</b>
6.1	<p><b>Are there public navigational safety implications arising from the proposed works?</b></p> <p>No</p>		X	
6.2	<p><b>What marine activity is there in the area?</b></p> <p>Commercial vessels to/from Aughinish Alumina Ltd. and Foynes and Limerick Ports, fishing craft and leisure craft.</p>		X	
6.3	<p><b>How will the marine activity be affected by the proposed works?</b></p> <p>Marine activity will not be affected due to the modest scale of the proposed maintenance dredging, the short duration of campaigns and the limited number of campaigns per annum.</p>		X	

6.4	<b>What mitigating measures will be put in place?</b>  Advance notice will be given to Shannon Foynes Port Company and other stakeholders as appropriate. All relevant health and safety regulations will be fully adhered to and an experienced contractor will be appointed. Dredging will be undertaken in an expeditious manner.			
6.5	<b>How will the proposed works affect Marine Navigation in the future?</b>  The proposed maintenance dredging will improve marine navigation by removing high points within the navigation and berthing areas in the vicinity of Aughinish Alumina.			

**Part 7: Fishing/Aquaculture considerations (your consultations with IFI, SFPA, DAFM may inform your answers. Attach additional documents as required and mark under the R column)**

	<b>Fishing/Aquaculture considerations</b>	<b>Yes</b>	<b>No</b>	<b>R</b>
7.1	<b>Is the proposal located in proximity to any of the following:</b> <ul style="list-style-type: none"> <li>• aquaculture operation</li> <li>• designated Shellfish Growing Waters</li> <li>• fish spawning ground</li> <li>• other sensitive fisheries location</li> </ul> <b>Please Illustrate on appropriate chart including distance in Km.</b>  Refer to Section 6 of enclosed <i>Baseline Characterisation Report</i> . There are four aquaculture sites in the vicinity of Aughinish.	X		X
7.2	<b>Are there other potential impacts of the proposal on fishing/aquaculture in the area? If yes, please describe.</b>  Refer to Section 6 of enclosed <i>Baseline Characterisation Report</i> . Due to the historic nature of dredging in the Shannon estuary and in the Aughinish area in particular with no reported impact on local fisheries, the proposed dredging is not expected to cause any impact.		X	X

7.3	<p><b>Are there any measures proposed to mitigate potential impacts on fisheries or aquaculture? If yes, please describe.</b></p> <p>Refer to Section 6 of enclosed <i>Baseline Characterisation Report</i>. No impacts are expected.</p>		X	X
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#### Part 8 – Additional information

8.1	<p><b>Please detail any additional relevant information.</b></p> <p>Please refer to enclosed documentation and drawings as listed in Enclosures checklist.</p>
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**Declaration and Consent:**

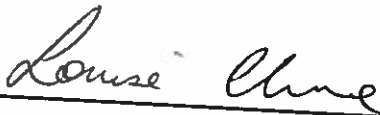
The details provided here are correct to the best of my knowledge.

I understand that no works will be commenced, by me or my agents on the proposed site, without the prior written consent of the Minister.

I agree that on completion of the works, all environmental data that is not commercially-sensitive shall be provided within a reasonable timeframe to the Marine Institute; the format and timeframe to be agreed with the Marine Institute. I understand that the Marine Institute may make this information available to individuals and organisations in line with its data access policy.

I give consent to the Minister and his servants to copy this application and to make it available for inspection and copying by the public. This consent relates to this application, to any further information, or submission provided by me or on my behalf and to the publication of the licence document.

**Signed for and on behalf of the applicant:**



**Name of above Signatory (block letters):**

LOUISE CLUNE

**Position Held:**

TECHNICAL AND ENVIRONMENTAL CO-ORDINATOR, AUGHINISH  
ALUMINA LTD.

**Date** 1<sup>st</sup> MARCH 2016

**Return completed applications to:**

Foreshore Unit  
Marine Planning and Foreshore  
Department of the Environment, Community and Local Government  
Newtown Road  
Wexford

Enquiries to: [Foreshore@environ.ie](mailto:Foreshore@environ.ie) (Other contact details to be included in Guidance materials)

Email a copy of application documents: [Foreshore@environ.ie](mailto:Foreshore@environ.ie)

### Enclosures Checklist

**One hard copy of every document is required unless otherwise stated.  
Electronic versions of documentation must also be provided in searchable  
PDF format (no single file to be greater than 30mb) so that the  
Department can make them available on its website.**

Item No.	Description	No. of copies Required	
1	<b>Application Form.</b> With original signature	4	✓
2	<b>Mapping (see guidelines document)</b> (i) Site Location map (ii) Foreshore Lease/licence map	4 4	✓
3	<b>British Admiralty Chart</b> (largest available scale)	1	✓
4	<b>Drawings</b> of the structures to be used and/or layout	4	✓
5	<b>Pre-application correspondence with stakeholders.</b>	1	✓
6	<b>Other statutory permissions:</b> (i) Planning permission (ii) Effluent Discharge Licence (iii) Other consent (Please specify)	1 1 1	N/A
7	<b>Company documentation (1):</b> Certified copy of the Company's Memorandum and Articles of Association	1	✓
8	<b>Company documentation (2)</b> Certificate of Incorporation of a Limited Liability, or Company/Rule Book/Constitution for a Club or Co-Operative Society as appropriate	1	✓
9	<b>Environmental Impact Statement (EIS).</b> (i) Hard copy (ii) CDs	5 50	N/A
10	<b>Natura Impact Statement (NIS)</b>	5	✓
11	<b>Property-related owner permissions/wayleaves</b> (i) Folio – (or other evidence of private ownership) (ii) Wayleave/consent from other property owners (iii) Other (Please specify) – <b><u>Foreshore Lease</u></b>	2 1 1	✓

12	<p><b>Other – Please specify</b></p> <p>The following drawing and documentation are submitted in support of this Foreshore Licence Application:</p> <p><b>Documents:</b></p> <ul style="list-style-type: none"> <li>- Foreshore Licence Application Form.</li> <li>- Natura Impact Statement.</li> <li>- Assessment of Risk to Marine Mammals from Proposed Maintenance Plough Dredging at Aughinish Jetty, Co. Limerick.</li> <li>- Baseline Characterisation Report (includes benthic fauna and sediment characterisation).</li> <li>- Sediment Transport Modelling Report.</li> <li>- Assessment of Impacts on the Environment Report.</li> <li>- Archaeological Impact Assessment Report.</li> <li>- Memorandum and Articles of Association of Aughinish Alumina Ltd.</li> <li>- Certificate of Incorporation of Aughinish Alumina Ltd.</li> <li>- Foreshore Lease granted to Aughinish Alumina Ltd.</li> </ul> <p><b>Drawings:</b></p> <ul style="list-style-type: none"> <li>- 17076-5001.A: Site Location Map</li> <li>- 17076-5002.A: Location of Dredge Areas</li> <li>- 17076-5003.A: Dredge Area A and C</li> <li>- 17076-5004.A: Dredge Area B</li> <li>- 17076-5005.A: Dredge Area A and C – Sounding Survey</li> <li>- 17076-5006.A: Dredge Area B – Sounding Survey</li> <li>- 17076-5007.A: Admiralty Chart</li> </ul>	1	
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