



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 iarratas.

IT IS IMPORTANT TO NOTE THAT A CHANGE IN APPLICANT NAME WILL REQUIRE A NEW APPLICATION.

Applicant Address/Contact Details:

Full Name of Applicant (not Agent): Frieda Ryan

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Address: P.O. Box 900, Webworks, Eglinton Street, Cork

Eircode: T12 YHR3

Phone No: +353 21 4239405

E-mail address: Frieda.ryan@ervia.ie

Agent (if any) Address/Contact Details:

Person/Agent acting on behalf of the Applicant: Mr. John Power

Company: Nicholas O'Dwyer Ltd.

Address: Nutgrove Office Park, Nutgrove Avenue, Dublin 14

Eircode: D14 V3F6

Phone No: +353 1 2969000

E-mail address: dublin@nodwyer.com

Applicant's Legal Advisor:

Name: Irish Water Legal Services

Address: Irish Water, Colvill House, Dublin 1

Eircode: D01 NP86

Phone No: +353 1 892 5537

E-mail address: nmchenry@water.ie

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

1.1 Description of proposed works/activity.

Background

The Cork Lower Harbour Main Drainage Project (Cork LHMD Project) is a Project for the provision of collection systems and wastewater treatment facilities in the Cork Lower Harbour area. The Project includes the population/industrial centres of Cobh, Carrigaline (including Crosshaven), Passage West/Monkstown (including Glenbrook) and Ringaskiddy (including Shanbally and Coolmore). The existing wastewater network serving the Lower Cork Harbour area comprises mainly combined sewer systems. Wastewater from Cobh, Carrigaline, Passage West/Monkstown and Ringaskiddy is currently discharged untreated into the Harbour.

Cork County Council was granted approval for the Cork LHMD Project (An Bord Pleanála Register Reference YA0005) subject to a number of planning conditions in June 2009. The application included an Environmental Impact Statement (EIS), which considered the potential impacts of the entire development.

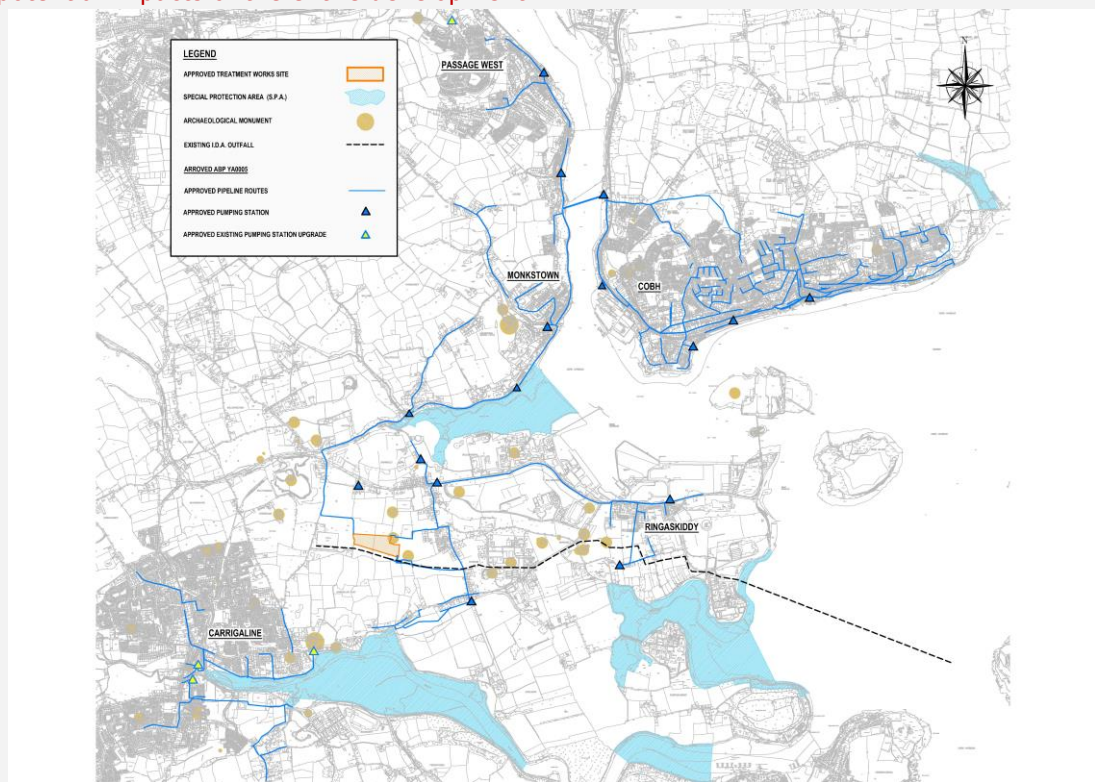


Figure 1 - Approved Project (ABP Ref. YA0005)

The Cork LHMD Project involves upgrading the existing wastewater network infrastructure (including pump stations and outfalls) together with the provision of a new Wastewater Treatment Plant (WWTP) located to the east of Carrigaline near the townland of Shanbally. Combined sewer overflows will be located in the collection system at individual pumping stations to prevent localised flooding in the event of a peak rainfall event. The provision of duty/standby pumping arrangements in each pumping station will minimise the potential for the discharge of untreated wastewater except in the event of a power outage (in which case the discharge will be screened before entering the waterbody). In this event the pumping stations will, at a minimum, incorporate facilities to allow the connection of standby generators.

Irish Water has previously made an application for a Foreshore License related to the Passage West, Glenbrook, Monkstown, Shanbally, Ringaskiddy and Carrigaline catchments (04. YA0005).

This Foreshore License application relates to the proposed works on outfalls for the Cobh catchment and the proposed estuary crossing pipeline between Cobh and Monkstown. The proposed works addressed in this application are subject to a request to alter the terms of the approved project, the subject of the above planning permission, under Section 146B of the Planning and Development Act 2000 as amended (the "Planning Act").

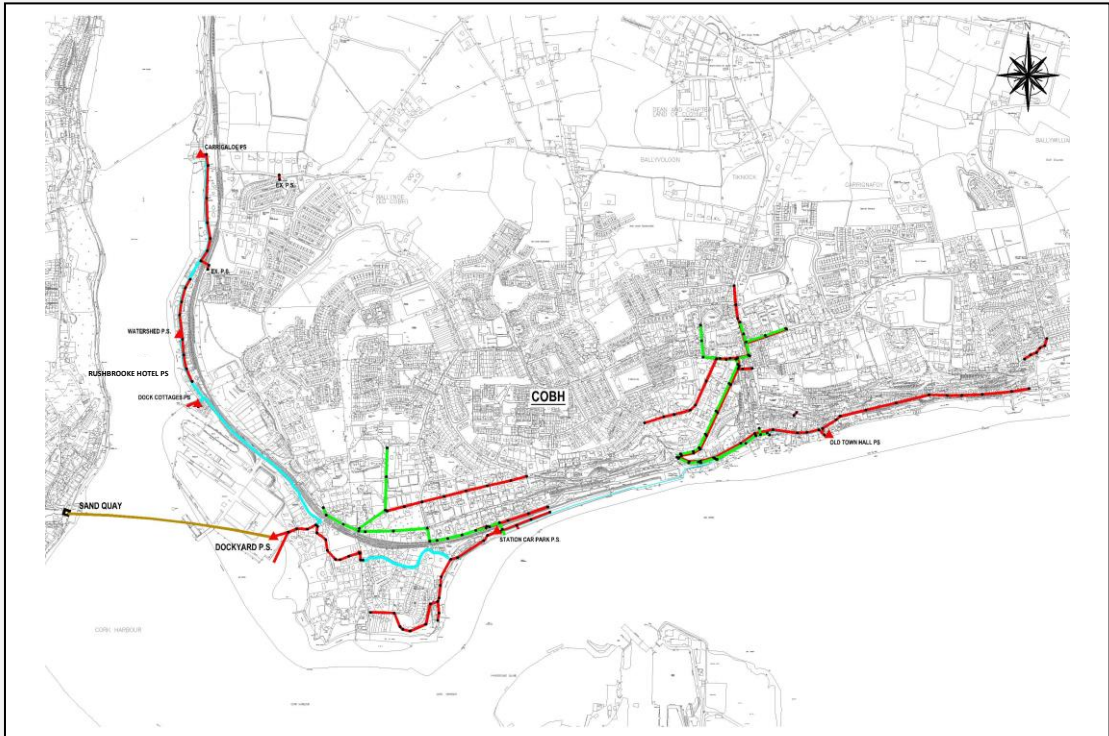


Figure 2– Works Included in New Application

Proposed works/activity relating to Foreshore Application:

The proposed works on the foreshore can be categorised as follows:

- a) 6 no. Proposed structures to act as combined sewer overflows as part of the collection network;
- b) 14 no. Existing structures which will no longer convey any flows and as such will become redundant. These structures previously functioned as primary or secondary wastewater discharges (as defined in the EPA discharge licences).
- c) An estuary crossing consisting of 2 no. pumped rising mains between Cobh and Monkstown. The 2 rising mains will be constructed by Horizontal Directional Drilling methods under the seabed and will both be constructed along the route shown in **Figure 2** above. The pipeline will be constructed from a launch site in Cork Dockyard to a temporary reception site adjacent to the Glen Road, Monkstown. The pipeline will then be permanently intercepted at an interception manhole at Marine Villas (adjacent to the R610) from where flows will be connected to the Monkstown wastewater network by a gravity wastewater pipeline.

A major objective of this project involved the discontinuation of untreated foul flow through the discharge points identified under b) (above), with the flow now being pumped across the estuary to Monkstown and ultimately transferred to the new WWTP at Shanbally for treatment. The outfalls identified under a) (above) will now only discharge during emergency flow conditions and the spills from these outfalls will be greatly reduced. The works will result in a significant reduction in spills of untreated wastewater into Cork Harbour.

Full details of all works involved are provided in **Appendix 1**.

1.2	<p>Describe the nature and scale of any structure to be erected on the foreshore. Is the structure proposed to be temporary or permanent?</p> <p>Full details of all works involved are provided in Appendix 1.</p>																		
1.3	<p>Indicative timing of the works/activity: (i) Start date (ii) Duration (iii) Any other information relevant to timing.</p> <p>Irish Water is in the process of preparing a request to alter the terms of the development, the subject of the above 2009 planning permission (04. YA0005), under Section 146B of the Planning and Development Act 2000 as amended (the "Planning Act"). Works covered under this alteration will not commence until permission has been granted.</p> <p>Construction works to outfalls detailed in this application will take approximately 2 weeks at each location except where combined sewer overflows are to be constructed to below the MLWS; construction works at these locations will take approximately 10 weeks.</p> <p>The construction of the proposed estuary crossing between Cobh and Monkstown is expected to take approximately 6 months to complete.</p> <p>Full details of these works are provided in Appendix 1 & Appendix 2.</p>																		
1.4	<p>Primary usage for proposed development (please tick)</p> <table border="1" data-bbox="384 1039 1233 1357"> <tr> <td>Use</td> <td></td> </tr> <tr> <td>Industrial</td> <td></td> </tr> <tr> <td>Commercial</td> <td></td> </tr> <tr> <td>Within Fishery Harbour Centre</td> <td></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> <tr> <td>Wastewater and storm water infrastructure</td> <td style="text-align: center;">✓</td> </tr> </table>	Use		Industrial		Commercial		Within Fishery Harbour Centre		Sea Fisheries		Local Authority		Community/Co Op scheme		Other(specify)		Wastewater and storm water infrastructure	✓
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Other(specify)																			
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1.5	<p>Do the proposed works provide for public use, commercial use, restricted use or strictly private use? Provide Details</p> <p>The works will serve the public and involve the construction of wastewater infrastructure in the Cobh area, specifically combined sewer overflows for the proposed pump stations and an estuary crossing pipeline between Cobh and Monkstown as part of the collection networks under the Cork Lower Harbour Main Drainage Project.</p>																		

1.6

Might the proposed works restrict public use/enjoyment of the foreshore? Provide details.

The proposed outfall works will result in temporary restrictions (approximately 2 weeks per outfall except where combined sewer overflows are to be constructed to below the MLWS; construction works at these locations will take approximately 10 weeks) at certain locations within the foreshore during the construction phase of the Project. See **Appendix 1** and **Appendix 2** for locations affected and details of the works required within the foreshore.

The construction of the estuary crossing between Cobh and Monkstown will also lead to minor restrictions on public use / enjoyment of the foreshore which will be temporary in nature. The potential impact during the construction phase has been mitigated by the decision to construct the pipeline by Horizontal Directional Drilling (HDD) methods. HDD is a non-invasive method which will not require excavation of the foreshore. The pipeline will be constructed from a launch site in Cork Dockyard to a reception site in Monkstown. Both the proposed launch and reception sites are located outside of the foreshore thus negating the need for works which may have restricted public use/enjoyment of the foreshore.

At times during the estuary crossing construction phase, it may however be necessary to temporarily limit access to certain areas of the foreshore within Cork Dockyard and at Sand Quay, Monkstown. The pipe segments will be delivered across the estuary via barge to the reception side (Sand Quay, Monkstown) and this will temporarily restrict use of the foreshore at this location. This impact will be minimised by co-ordinating the works with the public and with all relevant stakeholders. The delivery of pipe to Sand Quay will be carried out at night, which should also mean less of an impact on foreshore users. All stakeholders will be contacted prior to any construction works taking place, and method statements will be agreed with the Port of Cork, Cross River Ferries Limited and any other relevant stakeholders.

The proposed works will not result in any permanent restrictions on public use/enjoyment of the foreshore. The proposed works can however be expected to have a positive impact in this regard during the operation phase of the Project as the improved water quality in Cork Harbour will in turn positively benefit health and safety, enhance and facilitate the potential for increased residential and commercial development as well as benefitting both recreational and economic activity in the Harbour area.

<p>1.7</p>	<p>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)).</p> <p>Irish Water is currently party to a number of licences covered under this Project:</p> <table border="1" data-bbox="336 459 1453 607"> <thead> <tr> <th data-bbox="336 459 523 517">Licence No.</th> <th data-bbox="523 459 1166 517">Use</th> <th data-bbox="1166 459 1453 517">Outfall Reference</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 517 523 607">2/1960</td> <td data-bbox="523 517 1166 607">Laying and maintaining wastewater outfall pipes</td> <td data-bbox="1166 517 1453 607">SW009-Cobh SW010-Cobh SW011-Cobh</td> </tr> </tbody> </table> <p>On condition of award of a new foreshore licence for the Project, Irish Water propose to surrender the above license to the Marine Planning (Foreshore Unit) Section of the Department of the Environment, Community and Local Government as part of this application process.</p> <p>The proposed estuary crossing is a new development which does not have any previous Foreshore License. The proposed estuary crossing will however link the Cobh and Monkstown wastewater networks. The proposed combined sewer overflows (CSO's) for the Monkstown wastewater network are subject to a pending Foreshore License application (FS006470).</p>	Licence No.	Use	Outfall Reference	2/1960	Laying and maintaining wastewater outfall pipes	SW009-Cobh SW010-Cobh SW011-Cobh
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2/1960	Laying and maintaining wastewater outfall pipes	SW009-Cobh SW010-Cobh SW011-Cobh					
<p>1.8</p>	<p>Status of planning permission application: Pending/granted/not required.</p> <p>Consent Authority: An Bord Pleanála Reference Number: YA0005</p> <p>(Please provide copies of consents granted)</p> <p>Cork County Council was granted approval for the Cork LHMD Project (An Bord Pleanála Register Reference 04. YA0005) subject to a number of planning conditions in June 2009. The application included an Environmental Impact Statement (EIS), which considered the potential impacts of the entire development.</p> <p>In November 2015, Irish Water was granted approval for an application to alter the terms of the development (04. YA0005), the subject of the above 2009 planning permission, under Section 146B of the Planning and Development Act 2000 as amended (the "Planning Act"). This approval related to the works in Passage West, Glenbrook, Monkstown, Carrigaline and Ringaskiddy.</p> <p>Irish Water is in the process of preparing a further request to alter the terms of the Cobh network and Estuary Crossing elements of the development, under Section 146B of the Planning and Development Act 2000 as amended (the "Planning Act"). Works covered under this alteration will not commence until permission has been granted.</p>						

<p>1.9</p>	<p>Are any other consents required for this proposal? Please detail.</p> <p>Consent type: Wastewater Discharge Licence Consent Authority: Environmental Protection Agency (EPA) Reference Number: Two agglomeration licences are covered under this Project - North Cobh (D0140-01) and Cobh (D0054-01). Status of application: Licenced</p> <p>Note: It is a condition of these licences that specific wastewater discharge points identified under each licence are discontinued by 1st January 2015. These discharge points have been identified in the maps in Appendix 2 accompanying this foreshore licence application.</p> <p>(Please provide copies of consents granted)</p> <p>Copies of the North Cobh (D0140-01) and Cobh (D0054-01) agglomeration discharge licences are provided in Appendix 4.</p>
<p>1.10</p>	<p>Employment Implications (if any)</p> <p>The proposed works will provide temporary employment throughout the construction phase of the Project. The operation phase will ensure the continued employment of Irish Water staff and local authority staff working on behalf of Irish Water in the operation and maintenance of the network.</p> <p>The works may also result in indirect positive employment benefits to the area through an increase in tourism levels generated as a result of the improved water quality in Cork Harbour.</p>
<p>1.11</p>	<p>Capital cost of proposed works (€ - Euro)</p> <p>The approximate capital cost of the Cork Lower Harbour Main Drainage Project is €100 Million (including foreshore and non-foreshore elements).</p>
<p>1.12</p>	<p>Do the proposed works involve the draw down of European Union or State funding? If "Yes" give details, including any time restrictions, etc. applying</p> <p>The 2014-2016 Irish Water Capital Investment Programme, of which this project is part, is funded through revenue from Domestic and Non-Domestic billing and the balance through government subvention.</p>

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

<p>2.1</p>	<p>County:</p> <p>County Cork.</p>
<p>2.2</p>	<p>Location name and nearest townland name:</p> <p>Full details of all works are provided in Appendix 1.</p>
<p>2.3</p>	<p>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</p> <p>Full details of all works involved are detailed in Appendix 1 and Appendix 2.</p>
<p>2.4</p>	<p>Please indicate the size of the Foreshore area (ha) or (m²) or (km²)</p> <p>Full details of all works involved are provided in Appendix 1 and Appendix 2.</p>
<p>2.5</p>	<p>If offshore please indicate distance from shore (km):</p> <p>Full details of offshore works are detailed in Appendix 1 and Appendix 2.</p>
<p>2.6</p>	<p>Is any of the foreshore in the proposed site in private ownership? If yes please provide documentary evidence of same (e.g. folio)</p> <p>The areas of the foreshore as comprised in Folio CK22638L (registered owner Robert O’Leary) and Folio CK13070L (registered owner Maritem Industries Limited) are held by the registered owners on foot of a lease from Cork Harbour Commissioners to Maritem Industries Limited for the term of 99 years from the 17 July 1973. The reversionary (freehold) interest in these folios is held by Cork County Council as part of Folio CK46071F.</p> <p>The area of the foreshore defined in CK143402F is in the current ownership of Aidan Coffey and Jeremiah Murphy.</p> <p>Cork Dockyard at Rushbrooke in Cobh is in the current ownership of Cork Dockyard Limited. Significant portions of the Foreshore at this location were transferred to Cork Dockyard Limited by conveyance dated 25th March 1987 (attached).</p> <p>The proposed estuary crossing route will involve drilling underneath the plot of land adjacent to Sand Quay, Monkstown which is part of Folio CK58009F. Folio CK58009F includes numerous plots of ground in Passage West, Glenbrook, Monkstown and Raffeen and is under the current ownership of Cork County Council.</p> <p>A number of the privately owned properties are in receivership and negotiations are ongoing with one of the parties. The privately held properties (including foreshore locations in the ownership of Cork County Council) will all be included in an upcoming Compulsory Purchase Order for the project. For completeness, all foreshore locations will be included in the upcoming Compulsory Purchase Order.</p> <p>Details of affected folios are provided in Appendix 10.</p>

2.7	<p>Any other site details considered relevant:</p> <p>None.</p>
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Part 3. Maps and Drawings, Please refer to Guidance on map and drawing requirements.

3.1	<p>Site location map attached? Please include reference no(s).</p> <p>Full details are provided in Appendix 2.</p>
3.2	<p>Foreshore Lease/Licence map attached? Please include reference no(s).</p> <p>Full details are provided in Appendix 2.</p>
3.3	<p>Drawings of structures to be used and or layout (if required) attached? Please detail and include reference no(s).</p> <p>Full details are provided in Appendix 2.</p>
3.4	<p>Admiralty Chart attached?</p> <p>Full details are provided in Appendix 3.</p>
3.5	<p>Other maps/drawings attached ?– please detail and include reference numbers</p> <p>Drawings detailing Environmental Considerations and Aquaculture Considerations under the Project is provided in Appendix 2.</p>

Part 4: Pre- application consultations

4.1	<p>Describe briefly any consultations undertaken with the following bodies:</p> <ul style="list-style-type: none">• National Parks & Wildlife Service (NPWS) of the Department of Arts, Heritage and the Gaeltacht• National Monuments Service (NMS) of the Department of Arts, Heritage and the Gaeltacht• Inland Fisheries Ireland• Sea Fisheries Protection Authority• Marine Institute• Marine Survey Office <p>Please also provide copies of correspondence.</p> <p>The Applicant has carried out a desktop assessment of the databases available from the NPWS, NMS and IFI, details of which are described in other sections of the application. Works on the foreshore were the subject of public consultation as part of the application for ABP Approval Ref. YA005. No other consultations in relation to this foreshore application have taken place to date.</p>
4.2	<p>Describe briefly any consultations undertaken with other relevant authorities (e.g. Local Authority, Port/Harbour authority etc) or State Agencies.</p> <p>The local authority (Cork County Council) is working in partnership with Irish Water in the delivery of the Cork Lower Harbour Main Drainage Project.</p> <p>Discussions with Port of Cork have taken place on several elements of the Project. Discussions with Cork Dockyard at Rushbrooke have taken place on several occasions.</p>
4.3	<p>Describe any consultations undertaken to date with other foreshore users.</p> <p>Public Information Days have taken place in all catchments that will benefit from the Project. A project website has been set up to assist in this consultation (http://www.water.ie/corklowerharbour).</p>

<p>4.4</p>	<p>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.</p> <p>During the <u>construction</u> phase, it may be necessary to limit access to certain areas of the foreshore. This will cause some minor inconvenience to foreshore users, but will be temporary in nature. Where construction works are taking place, best practice construction standards will be adhered to at all times by the Contractor. The Contractor will be contractually obliged to reduce the levels of noise, dust and vibrations resulting from the works. Works on the foreshore will be coordinated at all times to minimise impact.</p> <p>The proposed estuary crossing will be constructed by non-invasive HDD methods and will therefore involve no excavation works within the foreshore. At times during the <u>construction</u> phase, it may however be necessary to temporarily limit access to certain areas of the foreshore within Cork Dockyard and at Sand Quay, Monkstown. The pipe segments will be delivered across the estuary to the reception side (Sand Quay, Monkstown) and this will temporarily restrict use of the foreshore at this location. This impact will be minimised by co-ordinating the works with the public and with all relevant stakeholders. The delivery of pipe to Sand Quay will be carried out at night, which should also mean less of an impact on foreshore users.</p> <p>All stakeholders will be contacted prior to any construction works taking place, and method statements will be agreed in advance of the works with the Port of Cork, Cross River Ferries Ltd. and any other stakeholders affected by the proposed works.</p> <p>There will be no inconvenience to the activities of the public or other foreshore users during the <u>operational</u> phase as the proposed works will be buried beneath the foreshore. Positive impacts on aquaculture, recreation and the economic value of the harbour will also occur as a result of improved water quality during the operational phase of the proposed project.</p>
<p>4.5</p>	<p>Have adjacent land owners, whose properties may be affected by these works been consulted? Please provide details/permissions as appropriate.</p> <p>Consultation has taken place with all landowners from whom it is necessary to acquire land, wayleaves rights of way and temporary working area as part of the project.</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)

<http://www.epa.ie/pubs/advice/ea/guidelines/>

<http://www.housing.gov.ie/planning/environmental-assessment/environmental-impact-assessment-eia/environmental-assessment>

<https://www.npws.ie/protected-sites/guidance-appropriate-assessment-planning-authorities>

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

	Environmental legislative requirements	Yes	No	R
5.1	<p>Is an Environmental Impact Statement required for this proposal?</p> <p>An EIS for the Project was prepared in 2008, and An Bord Pleanála issued Approval Ref. 04. YA0005 for the Project in June 2009 subject to a number of planning conditions.</p> <p>Irish Water is in the process of preparing a further request to alter the terms of the Cobh network and Estuary Crossing elements of the development, the subject of the above 2009 planning permission, under Section 146B of the Planning and Development Act 2000 as amended (the "Planning Act"). It is not considered that a further EIS is required in respect of the proposed alteration. The alterations have all been assessed with respect to the environmental impact and it has been concluded that the impact is less or equal to that originally assessed in the EIS.</p> <p>It is important to note that all proposed alterations are in compliance with the planning approval conditions and undertakings of the EIS and mitigate any adverse effects of the Project.</p>	✓		✓

<p>5.2</p>	<p>Is a Natura Impact Statement required for this proposal?</p> <p>A Stage 1 Appropriate Assessment screening report has been completed for the proposed outfall works (i.e. combined sewer overflows and redundant outfalls) which examined the likely effects of the works alone and in combination with other projects upon Natura 2000 sites. The reports considered whether it can be objectively concluded that these effects will not be significant.</p> <p>This Screening Report objectively concluded that the proposed outfall works will not have the potential to give rise to significant adverse effects on the qualifying interests and conservation objectives of the Cork Harbour SPA or Great Island SAC. A Stage 2 Appropriate Assessment was therefore not required.</p> <p>Stage 1 Appropriate Assessment screening has also been completed for the proposed estuary crossing which examined the likely effects of the works alone and in combination with other projects upon Natura 2000 sites. The reports considered whether it can be objectively concluded that these effects will not be significant.</p> <p>This Screening Report objectively concluded that, while the proposed estuary crossing project is not directly connected with or necessary to the management of any Natura 2000 site, adopting the precautionary approach, a Stage 2 Appropriate Assessment of the proposal was required for the estuary crossing.</p> <p>The Stage 2 Natura Impact Statement assessed the potential effects of the proposed estuary crossing project on the integrity of the Cork Harbour SPA. The report outlined the appropriate mitigation measures required to negate the impacts identified and concluded that, once the mitigation measures are implemented, there will be no residual impact on habitats within Cork Harbour.</p> <p>Given the determination of no residual impacts after the predicted impacts have been mitigated, the report states that the implementation of the proposed project will not result in significant effects to the conservation objectives or integrity of the Great Island SAC or Cork Harbour SPA, either individually or in combination with other plans or projects.</p> <p>Full details are provided in Appendix 6.</p>	<p>✓</p>		<p>✓</p>
<p>5.3</p>	<p>Is the area within or adjacent to a NHA, pNHA, SAC, SPA, or National Park? Specify site names and code(s).</p> <p>Full details of the locations of NHA, pNHA, SAC, SPA & National Park sites are provided in Appendix 2.</p>	<p>✓</p>		<p>✓</p>

5.4	<p>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).</p> <p>All combined effects have been fully considered in the following Screening Reports:</p> <p>AA Stage 1 Cobh Outfalls; AA Stage 2 Estuary Crossing NIS.</p> <p>Full details are provided in Appendix 6.</p>		✓	
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	Environmental Considerations	Yes	No	R
5.5	<p>Will the proposal have any potential environmental impacts? If yes, please describe</p> <p>All potential environmental impacts have been fully considered in the following Screening Reports:</p> <p>AA Stage 1: Cobh Outfalls; AA Stage 2 Estuary Crossing NIS.</p> <p>Full details are provided in Appendix 6.</p>	✓		✓
5.6	<p>Are you proposing any measures to mitigate the potential environmental impacts? If yes, please describe</p> <p>Stage 1 Appropriate Assessment screening of the proposed outfall upgrade and repair works determined a number of best-practise construction methods which, when implemented, will ensure that there is no potential for a significant negative impact on the conservation objectives or integrity of the Great Island SAC or the Cork Harbour SPA, either individually or in combination with other projects.</p> <p>These best practise methods are outlined in full in the Stage 1 AA screening report for the Cobh Outfalls provided in Appendix 6.</p> <p>The Stage 2 Appropriate Assessment NIS for the estuary crossing pipeline outlines the appropriate mitigation measures which will ensure that implementation of the proposed project will not result in significant effects to the conservation objectives or integrity of the Great Island SAC or Cork Harbour SPA, either individually or in combination with other projects.</p> <p>Full details of the proposed mitigation measures are outlined in the Stage 2 estuary crossing NIS provided in Appendix 6.</p>	✓		

<p>5.7</p>	<p>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</p> <p>Works are necessary to a number of outfalls to allow for the safe operation of pump stations within the collection systems. Although there are potential health/safety hazards associated with the proposed outfall and estuary crossing works all construction works and operation works will be carried out in accordance with relevant health, safety and environmental regulations. Risk assessments will be carried out in advance of all works and will be detailed in the method statement.</p> <p>During the operation of the proposed project, positive impacts will include improved water quality in Cork Lower Harbour which in turn will positively benefit health and safety, enhance and facilitate the potential for increased residential and commercial development, recreational development and economic activity in the environs of the Lower Harbour.</p>	<p>✓</p>		
<p>5.8</p>	<p>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)</p> <p>During the outfall upgrade and repair works, all waste generated as a result of the works will be disposed of in line with all waste management legislation to an appropriate licenced facility, as detailed in the Contractor's Waste Management Plan.</p> <p>The estuary crossing pipeline will be constructed by Horizontal Directional Drilling (HDD) methods and will generate spoil material as the drilling fluid returns at either end of the drill bore. Spoil material will be contained on site to prevent negatively impacting the environment. The spoil material will then either be treated on site or transported to a licensed treatment facility. Waste generated as a result of the works will be disposed of in line with all waste management legislation to an appropriate licenced facility, as detailed in the Contractor's Waste Management Plan.</p> <p>During the operation phase, a number of combined sewer overflows at pump stations are required to cater for peak rainfall events. The criteria for operation of these overflows is set out in "Urban Wastewater Treatment Directive (91/271/EEC) - Procedures and Criteria in Relation to Storm Water Overflows" (UWWTD) produced by the Department of the Environment, Community and Local Government. The UWWTD specifies limits on spill volumes and frequencies and the wastewater network has been designed to fully comply with the specifications therein.</p> <p>Details of waste disposal/treatment are provided in Appendix 6.</p>	<p>✓</p>		

5.9	<p>Other Environmental Considerations? If yes, please specify.</p> <p>None.</p>		✓	
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	Built Heritage Considerations	Yes	No	R
5.10	<p>Does the area contain an archaeological site or feature? If yes, please specify.</p> <p>An archaeological desktop study was carried out by Moore Group on the proposed estuary crossing and the outfalls within the Cobh catchment. Full details are provided in Appendices 2 & 5.</p>	✓		✓
5.11	<p>Does the area contain or adjoin a listed archaeological site or monument? If yes, please specify.</p> <p>An archaeological desktop study was carried out by Moore Group on the proposed estuary crossing and the outfalls within the Cobh catchment. Full details are provided in Appendices 2 & 5.</p>	✓		✓
5.12	<p>Will the proposal have any potential impacts on the archaeological integrity of the site? If yes please describe</p> <p>An archaeological desktop study was carried out by Moore Group on the proposed estuary crossing and the outfalls within the Cobh catchment. Mitigation measures outlined in the study will be implemented at construction stage. Full details are provided in Appendices 2 & 5.</p>	✓		✓
5.13	<p>Are you proposing any measures to mitigate potential archaeological impacts? If yes, please describe?</p> <p>An archaeological desktop study was carried out by Moore Group on the proposed estuary crossing and the outfalls within the Cobh catchment. Mitigation measures outlined in the study will be implemented at construction stage. Full details are provided in Appendices 2 & 5.</p>	✓		✓

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)

	Navigational Safety Considerations	Yes	No	R
6.1	<p>Are there public navigational safety implications arising from the proposed works?</p> <p>Proposed works within the foreshore and the estuary may have temporary, moderately significant negative impacts on the Lower Harbour in terms of recreation and river traffic (EIS, 2008) during the construction phase. There will be no navigational safety implications during the operational phase.</p> <p>Four combined sewer overflow outfalls will be constructed through the foreshore to terminate below the Mean Low Watermark on a Spring-tide (MLWS). Although no works are proposed within the marine navigational channel, works at these outfalls could potentially have minor local navigational implications which would be temporary in nature, during the construction phase of the Project. These effects have been mitigated by using existing outfalls where possible.</p> <p>The proposed estuary crossing between Cobh and Monkstown will be constructed by Horizontal Directional Drilling (HDD) methods at a significant depth below the bed of the estuary. The HDD method of installation is trenchless and therefore will not have a significant negative impact on marine navigation in the Lower Harbour. It is envisaged that there will be a limited short term impact on the marine navigational channel during the delivery of pipe segments across the estuary for pipe stringing. This impact will be mitigated by programming the delivery to take place at night and outside of the peak sailing season.</p> <p>The above navigational implications will be minimised through consultation with the Port of Cork and other stakeholders during the planning and programming of the works. Contractual restrictions will be imposed on the Contractor regarding communication / liaison with stakeholders as well as the use of lighting and warning buoys as necessary to highlight the works to marine traffic. There will be no impact on the marine navigational channel in the River Lee Estuary during the operation phase.</p> <p>Full details of the proposed works are provided in Appendix 1 and Appendix 2.</p>		✓	

<p>6.2</p>	<p>What marine activity is there in the area?</p> <p>The estuary and harbour is a major asset to the Cork region and has significant potential with respect to marine leisure and commercial activities. A range of small boats, jet-skis, rowing, sailing, angling and leisure boats and commercial ferries utilise the Cork Lower Harbour. The Cork Lower Harbour also has a number of beaches utilised by locals and/or tourists visiting the area.</p> <p>Cork Harbour has a constant military presence. The Harbour acts as the base for the Irish Naval Service.</p> <p>The Harbour also has a major commercial function, both locally and nationally. The Port of Cork has responsibility for commercial running of the harbour, as well as providing navigation and anchorage services and berthing facilities at several locations throughout the Harbour.</p>	<p>✓</p>		
<p>6.3</p>	<p>How will the marine activity be affected by the proposed works?</p> <p>During construction works, there will be very limited impact on marine activity in the area however the navigational channel shall remain in operation. Some small areas of the foreshore (outside of the navigational channel) may be temporarily inaccessible to members of the public, including local stakeholders, during construction works on the foreshore.</p> <p>The improved water quality in the harbour will provide long term benefits for all marine activity in the Cork Harbour area.</p>		<p>✓</p>	
<p>6.4</p>	<p>What mitigating measures will be put in place?</p> <p>It is envisaged that there will be a limited short term impact on marine activity during the construction phase of the project. Mitigation measures will include consultation with stakeholders during the planning of the works. Works will be timed to avoid conflict with planned activities of stakeholders within the marine navigational channel. Contractual restrictions will be imposed on the Contractor regarding communication with stakeholders (such as Port of Cork) as well as the use of lighting and warning buoys as necessary to highlight the works to potential marine traffic.</p> <p>The Contractor will consider the safety of users of the foreshore when preparing and carrying out the construction works. Temporary closure of sections of the foreshore may be required in order to safely complete the works. Works on the foreshore will be coordinated to minimise impact.</p>		<p>✓</p>	
<p>6.5</p>	<p>How will the proposed works affect Marine Navigation in the future?</p> <p>There will be no permanent negative effects to marine navigation in Cork Harbour as a result of the works.</p>		<p>✓</p>	

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)

	Fishing/Aquaculture considerations	Yes	No	R
7.1	<p>Is the proposal located in proximity to any of the following:</p> <ul style="list-style-type: none"> • aquaculture operation • designated Shellfish Growing Waters • fish spawning ground • other sensitive fisheries location <p>Please Illustrate on appropriate chart including distance in Km.</p> <p>Full details of all fishing / aquaculture considerations are provided in Appendix 2.</p>	✓		✓
7.2	<p>Are there other potential impacts of the proposal on fishing/aquaculture in the area? If yes, please describe.</p> <p>The waters within the immediate vicinity of the outfall structures as part of this project are not Salmonid or Shellfish designated. Numerous outfalls currently discharging untreated wastewater to Cork Harbour will be discontinued as a result of works on the Project and as such will improve water quality in the Harbour. The location of the fishing/aquaculture zones are shown in Appendix 2.</p> <p>A number of these outfalls will be utilised as combined sewer overflows for new wastewater pumping stations throughout the Project. During the operation phase, a number of combined sewer overflows at pump stations are required to cater for peak rainfall events.</p> <p>The criteria for operation of these overflows is set out in “Urban Wastewater Treatment Directive (91/271/EEC) – Procedures and Criteria in Relation to Storm Water Overflows” (UWWTD) produced by the Department of the Environment, Community and Local Government. The UWWTD specifies limits on spill volumes and frequencies and the wastewater network has been designed to fully comply with the specifications therein. The likelihood and severity of untreated wastewater spilling to the Harbour and affecting fishing/aquaculture zones will be significantly reduced as a result of the project.</p> <p>The waters within the immediate vicinity of the proposed estuary crossing are not Salmonid or Shellfish designated. The proposed estuary crossing will not discharge to the marine environment and therefore will not negatively impact on fishing / aquaculture in the area.</p>		✓	

7.3	<p>Are there any measures proposed to mitigate potential impacts on fisheries or aquaculture? If yes, please describe.</p> <p>Not Applicable</p>		✓	
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Part 8 – Additional information

8.1	<p>Please detail any additional relevant information.</p> <p>None</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 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.

Signature of Applicant (or his or her Agent):

Frieda Ryan

Name of above Signatory (block letters):

FRIEDA RYAN

Position Held:

WAYLEAVES MANAGER

Date: 12/9/16

Return completed applications to:

Marine Planning and Foreshore Section
Department of the Environment, Community and Local Government
Newtown Road
Wexford
Y35 AP90

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

Email a copy of application documents: 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	Application Form. With original signature	4	✓
2	Mapping (see guidelines document) (i) Site Location map (ii) Foreshore Lease/licence map	4 4	✓
3	British Admiralty Chart (largest available scale)	1	✓
4	Drawings of the structures to be used and/or layout	4	✓
5	Pre-application correspondence with stakeholders.	1	N/A
6	Other statutory permissions: (i) Planning permission (ii) Effluent Discharge Licence (iii) Other consent (Please specify)	1 1 1	✓
7	Company documentation (1): Certified copy of the Company's Memorandum and Articles of Association	1	✓
8	Company documentation (2) Certificate of Incorporation of a Limited Liability, or Company/Rule Book/Constitution for a Club or Co-Operative Society as appropriate	1	✓
9	Environmental Impact Statement (EIS). (i) Hard copy (ii) CDs	5 25	✓
10	Natura Impact Statement (NIS) (i) Hard copy (ii) CDs	5 4	✓
11	Property-related owner permissions/wayleaves (i) Folio – (or other evidence of private ownership) (ii) Wayleave/consent from other property owners (iii) Other (Please specify)	2 1 1	✓

12	Other – Please specify		
	(i) Description of Works - (Appendix 1)	1	
	(ii) Cultural Heritage Assessment – (Appendix 5)	1	
	(iii) AA Screening of Cobh Outfalls – (Appendix 6)	1	✓
	(iv) Drill Feasibility Report – (Appendix 7)	1	
	(v) Geological Report – (Appendix 7)	1	