



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 LICENCE UNDER SECTION 3.3 OF THE FORESHORE ACT
1933 (AS AMENDED)**

- This form should only be used where applying for activities that owing to their nature, duration, or otherwise, are of a trivial character.
- Please complete the form electronically. Type details in the boxes provided, space will expand as you type
- The relevant 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): Paul Fallon
Company/Organisation: Irish Water
Address: Colvill House, 24-26 Talbot Street, Dublin, Ireland
Eircode:
Phone No: 01 892 5355
E-mail address: pfallon@water.ie

Agent (if any) Address/Contact Details:

Person/Agent acting on behalf of the Applicant: Eoin Wyse
Company: Arup
Address: 50 Ringsend Road, Dublin 4
Eircode:
Phone No: 01 233 4455
E-mail address: Eoin.Wyse@arup.com

Part 1: Proposal Details (please refer to guidance notes, and attach additional documents as required)

1.1	Type of proposal	
	Short Duration Event e.g. Tag Rugby	
	Single Mooring	
	Other Trivial Activity – Please Specify	X
	Marine site investigation for archaeological, ecological and geotechnical purposes, including geophysical surveys, a dive survey, benthic sampling and the installation of boreholes.	

1.2	<p>Description of proposed works/activity: This application is for marine site investigation works associated with the construction of a proposed waste water treatment plant in Arklow. This treatment plant will include the construction of a sea outfall, approximately 900 metres long, and siphons crossing under the estuary of the Avoca River.</p> <p>It is intended to undertake archaeological, ecological and geotechnical marine based site investigation, in the form of</p> <ul style="list-style-type: none"> • Ground Investigation The geotechnical survey will consist of: <ul style="list-style-type: none"> ○ A geophysical survey using seismic reflection and refraction. The area to be surveyed is shown in the Foreshore Licence Map (Drawing 247825-00, G001). ○ The installation of No. 10 boreholes using cable percussion and rotary core drilling. The locations of these boreholes can be found in 247825-00_G-001. • Archaeological Surveys The area to be surveyed is shown as the green area in 247825-00_G-001. The survey shall be carried out using the following techniques: <ul style="list-style-type: none"> ○ Marine Magnetrometry ○ Bathymetry ○ Side scan sonar (captures the surface of the seabed) ○ Sub Bottom Sonar (gathers data on the upper layers of seabed) • Archaeological Dive Survey This survey will consist of observational dives in the River Avoca, inspecting the quay walls in the locations shown in 247825-00_G-001. • Ecological Survey The ecological survey will comprise of No. 13 Benthic stations, 3 in estuary Grab samples, one for sediment and one for invertebrate fauna, shall be taken at each location. These are also shown in 247825-00_G-001 <p>Further details regarding these survey techniques can be found in the Supporting Information Report.</p>
1.3	<p>Indicative timing of the works/activity: (i) Start date (ii) Duration (iii) Any other information relevant to timing. Works are anticipated to start sometime between May and September, depending on when consent is received. The duration of the works is expected to be approximately twelve weeks.</p>
1.4	<p>Might the proposed works restrict public use/enjoyment of the foreshore? Provide details. It is not envisaged that the works will restrict public use or enjoyment of the foreshore.</p>

1.5	<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>Yes, Irish Water already holds Foreshore licenses on the area – South Green and Harbour Road (Ref FS005748)</p>
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Part 2: Proposed Site (Attach additional documents as required)

2.1	County: Wicklow
2.2	Location name and nearest townland name: Arklow

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.

The ITM coordinates of the main survey area are:

Name	Easting	Northing
Proposed Outfall	326270	173350
Area Outline 1	325350.6	173310.73
Area Outline 2	326308.91	173404.02
Area Outline 3	326328.56	173318.33
Area Outline 4	325482.35	173005.82

The ITM coordinates of the proposed grab-sample locations are listed below:

Station	Easting	Northing	Description
1	326304	173350	Outfall
2	326297	173101	250 m S
3	325889	173271	400 m W
4	326549	173347	250 m E
5	326359	173589	250 m NE
6	326227	172548	800 m S
7	326578	174097	800 m NE
8	327071	173344	800 m E
9	326248	171313	2000 m S
10	327101	175168	2000 m N
11	325182	173046	Lower estuary
12	325044	173201	Mid estuary
13	324870	173400	Upper estuary

The approximate coordinates for the dive survey area are listed below:

Description	Easting	Northing
Area Outline 1	324694.5	173473.43
Area Outline 2	324797.5	173580.93
Area Outline 3	325226.52	173064.61
Area Outline 4	325179.91	172998.81

The ITM coordinates of the borehole locations will be finalised after the geophysical survey results have been analysed. Provisional locations are shown in 247825-00_G-001 and listed in the Supporting Information Report, Table 4, Section 2.4.2.

2.4	<p>Please indicate the size of the Foreshore area (Ha²) or (M2) or (KM2). The approximate locations of boreholes and geophysical survey area, dive survey area and benthic sampling stations are shown in 247825-00_G-001. The geophysical survey area is approximately 20 hectares. The dive survey will cover 1.4km of quay wall and 3.12 ha of the Avoca River estuary. The boreholes are located within the area required for the geophysical and dive surveys.</p> <p>The total foreshore area required to enclose all the benthic sampling points is approximately 130 ha.</p>
2.5	<p>If offshore please indicate distance from shore (Km): All boreholes are within a 1 km distance from the shore. Benthic sampling stations are up to approximately 2km from shore. The dive survey, to take place in the estuary, will be no more than 50m from land.</p>
2.6	<p>Is any of the foreshore in the proposed site in private ownership? If yes please provide documentary evidence of same (e.g. folio). No.</p>
2.7	<p>Any other site details considered relevant: No.</p>

Part 3: Environmental Considerations (Attach additional documents as required and mark under the R column)

	Yes	No	R
Environmental legislative requirements			

3.1	<p>Is the area within or adjacent to a NHA, pNHA, SAC, SPA, or National Park?</p> <p>Specify site code(s).</p> <p>http://webgis.npws.ie/npwsviewer/</p>		No	<p>Three SACs designated for sand dune systems lie within 15km of the proposed site, the closest being Buckroney-Brittas Dunes and Fen site code 000729, nearest point 4.5km to north. See attached AA screening</p>
3.2	<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>		No	
3.3	<p>Will the proposal have any potential environmental impacts? If yes, please describe.</p>	yes		<p>Potential noise impacts from geophysical survey, borehole coring and drilling. See attached AA screening.</p>

3.4	Are you proposing any measures to mitigate the potential environmental impacts? If yes, please describe.	Yes		Marine Mammal Observers required as part of standard methodologies under Guidance to Manage the Risk to Marine Mammals from Man-made Sound Sources in Irish Waters. No further measures required. See attached AA screening.
3.5	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.		No	
3.6	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).			The works may require the disposal of potentially contaminated soil from the installation of boreholes. This will be stored on board the vessel until it can be transported offsite, tested and disposed of in an appropriate waste disposal facility.

3.7	Other Environmental Considerations? If yes, please specify.		No	
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Part 4: Fishing/Aquaculture considerations (Attach additional documents as required and mark under the R column)

		Yes	No	R
4.1	<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>		No	<p>Arklow is listed as a minor fishing port (Marine Institute 2014). No classified Shellfish Production Areas in vicinity. Curracloe live bivalve mollusc Classified Production Area >25km distant</p>
4.2	Are there other potential impacts of the proposal on fishing/aquaculture in the area? If yes, please describe.		No.	
4.3	Are there any measures proposed to mitigate potential impacts on fisheries or aquaculture? If yes, please describe.		No	

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):



Name of above Signatory (block letters):

PAUL FALLON

Position Held:

WASTEWATER TREATMENT PROGRAMMES SPECIALIST

Date: 31/5/2016.

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 (other applications)

**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	1	Yes
2	Mapping (see guidelines document) (I) Site Location map (II) Foreshore Lease/licence map	1 3	Yes
3	Construction drawings (if required)	1	
4	Pre-application correspondence with stakeholders.	1	
5	Other statutory permissions (if required): (I) Planning permission (II) Effluent Discharge Licence (iii) Other consent (Please specify)	1 1 1	
6	Company documentation (1): Certified copy of the Company's Memorandum and Articles of Association	1	
7	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	
8	Natura Impact Statement (NIS) if required (i) Hard copy (ii) CDs	5 4	
9	Property-related owner permissions/wayleaves etc.	1	
10	Other – Please specify Appropriate Assessment screening Supporting Information Report	1 1	Yes Yes

