

# RESPONSE TO SFPA

Your ref FS 006835  
Our ref 257589-00/MF/LK  
File ref L0013

## ARUP

Mr Patrick O'Neill  
Department of Housing Planning  
and Local Government  
Newtown Road  
Wexford

One Albert Quay  
Cork  
T12 X8N6  
Ireland  
t +353 21 422 3200  
conor.enright@arup.com  
www.arup.com

24 September 2018

Dear Mr O'Neill

### 257589-00 Site Investigation Works Whitegate-Aghada Co. Cork

We wish to acknowledge receipt of your letter dated 18 September 2018.

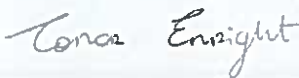
Please find our response to the comments from the Sea Fisheries Protection Authority (SFPA) within the aforementioned letter below:

*"With regards to the SFPA's remit with fisheries and seafood safety, please note that Authority has no observations to make on the site investigation application FS 006835."*

We have no further comments to add to this observation and trust this is to your satisfaction.

Yours sincerely  
for

Ove Arup & Partners Ireland Ltd t/a Arup



Conor Enright  
Design Engineer

Directors Joe Burns Paul Coughlan Donal McDaid Matt Tweedie (British)  
Company Secretary Ken Freeman

GLOBAL EUROPE/DIR/IN/08/257589-00/01 CLIENT-02  
CORRESPONDENCE/0013\_257589-00\_2018 08 24\_WGA FORESHORE  
LICENCE ARUP LETTER\_04.DOCX

Ove Arup & Partners Ireland Ltd trading as Arup | Company Reg No: 37037  
Reg Office: 50 Ringsend Road Dublin 4 D04 T6X0  
Cork | One Albert Quay T12 X8N6 Tel +353 (0)21 422 3200  
Dublin | 50 Ringsend Rd D04 T6X0 Tel +353 (0)1 233 4455  
Galway | Corporate House City East Business Park Ballybrit H91 K5YD Tel +353 (0)91 894 700  
Limerick | Hartstonge House Upr Hartstonge St V94 F8XE Tel +353 (0)61 212 100

Your ref  
Our ref 257589-00  
File ref L0006

RESPONSE TO CCC, MI  
+ WMF

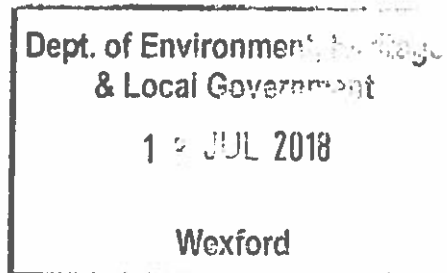
ARUP

Mr Patrick O'Neill  
Department of Housing, Planning  
and Local Government  
Newtown Road  
Wexford

50 Ringsend Road  
Dublin 4  
D04 T6X0  
Ireland

t +353 1 233 4455  
f +353 1 668 3169

marie.fleming@arup.com  
www.arup.com



12 July 2018

Dear Mr O'Neill

**257589-00 Site Investigation Works Whitegate-Aghada Co. Cork**

We wish to acknowledge receipt of your letter dated 2 July 2018.

Please find our responses to the comments within the aforementioned letter below:

**Marine Institute:** No comments or issues to address.

**Cork County Council:**

Mr Tim O'Herlihy, Executive Engineer, Coastal Management & Flood Projects:

*"The Schedule provided with the application includes four (4) boreholes, the map six (6) boreholes, the application form refers to six (6) boreholes, the AA Screening Report three (3) and six (6) boreholes and the Supporting Information Report referring to four (4) and six (6) boreholes. Six (6) boreholes is taken as the correct amount of which:*

*Two (2) boreholes are being drilled on the Foreshore/beach above the low water mark (assumed to be those referred to in the response to 1.6 & 4.4)*

*Four (4) boreholes are being drilled on the Foreshore below the low water mark*

*Regarding the four (4) boreholes being drilled below the low water mark which are not addressed in 1.6 & 4.4 are also inadequately addressed in 6.1 & 6.2*

*White Bay and the deeper waters covered by the application are used by the Royal Cork Yacht Club for racing and for dinghy sailing instruction (particularly in easterly and northerly winds). The racing programme is available here and includes Volvo Cork in July <https://www.royalcork.com/events/2018-07/>*

*White Bay and the deeper waters covered by the application are used by Cork Harbour based Angling Charter boats when weather/sea conditions prevent fishing outside the harbour and also by many small boat anglers.*

Directors Joe Burns Paul Coughlan Donal McDavid Matt Tweedie (British)  
Company Secretary Ken Freeman

Over Arup & Partners Ireland Ltd trading as Arup | Company Reg No: 37037  
Reg Office 50 Ringsend Road Dublin 4 D04 T6X0  
Cork | One Albert Quay T12 X8N6 Tel +353 (0)21 422 3200  
Dublin | 50 Ringsend Rd D04 T6X0 Tel +353 (0)1 233 4455  
Galway | Corporate House City East Business Park Ballybrit H91 K5YD Tel +353 (0)91 894 700  
Limerick | Hartstonge House Upr Hartstonge St V94 F8XE Tel +353 (0)61 212 100

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CORRESPONDENCE\L0006\_257589-00\_2018.07.12\_WGA\_FOreshore  
LICENCE ARUP LETTER\_01.DOCX

*White Bay is included as a Shore Fishing Mark by Inland Fisheries Ireland (see <http://www.fishinginireland.info/sea/southwest/cork.htm> and <http://www.fishinginireland.info/sea/maps/docs/CorkHarbour.doc>) and Sea Angling Ireland <http://www.sea-angling-ireland.org/shore%20-%20cork%20-%20harbour.htm> with shore casting distances reaching Borehole Number TCHB602.*

It is recommended that consultation is undertaken with:

- Inland Fisheries Ireland
- The Royal Cork Yacht Club
- Atlantic Charters on behalf of other Charter Skippers <http://www.atlantic-charters.net/>

It should be clarified that Tim's interpretation is correct and there are indeed two boreholes located on the foreshore/beach above the low water mark and the remaining four are below the low water mark (total of 6 no. boreholes).

Consultation will be undertaken with the Royal Cork Yacht Club and with Atlantic Charters as suggested. Inland Fisheries Ireland shall also be liaised with regarding this application.

**Mr David Clarke, Senior Executive Engineer, Road Operations**

*"As the foreshore as this location is the popular White Bay Cove it would not be acceptable to close this to the public during the bathing season or at weekends."*

The programming of these works will be scheduled so that the works will not be carried out until after 15 September 2018.

**Water and Marine Advisory Unit:**

*"The documents titled, Foreshore Licence Map, Drawing number IW-10015229-03-04-001 Rev: 11, dated: 30/04/2018 and the Schedule of Proposed Marine Ground Investigation Locations – Whitegate Aghada UTAS (copy attached) shall be attached to and referenced in the Licence document"*

This shall be addressed by the licencing agency which in this instance is the Department of Housing, Planning and Local Government.

*"The works shall be conducted in accordance with documents submitted with the application"*

The site investigation contract will be monitored by a resident engineer acting on behalf of the employer's representative (Arup). All works will be carried out in accordance with the works requirement and will be enforced by our representative.

*"The Department shall be notified 2 weeks prior to any works proceeding"*

The Department will be made aware 2 weeks in advance of the works being carried out.

Yours sincerely  
for  
Ove Arup & Partners Ireland Ltd t/a Arup

  
Marie Fleming

Your ref FS 006836  
Our ref 257589-00/MF/LK  
File ref L0014

# RESPONSE TO CMFP(2) ARUP

Mr Patrick O'Neill  
Department of Housing Planning  
and Local Government  
Newtown Road  
Wexford

One Albert Quay  
Cork  
T12 X8N6  
Ireland  
t +353 21 422 3200  
conor.enright@arup.com  
www.arup.com

24 September 2018

Dear Mr O'Neill

## 257589-00 Site Investigation Works Whitegate-Aghada Co. Cork

We wish to acknowledge receipt of your letter dated 03 August 2018.

Please find our response to the comments from the Coastal Management and Flood Projects section of Cork County Council within the aforementioned letter below:

*"This office has no further comments to make."*

We have no further comments to add to this observation and trust this is to your satisfaction.

Yours sincerely  
for  
Ove Arup & Partners Ireland Ltd t/a Arup



Conor Enright  
Design Engineer

Directors Joe Burns Paul Coughlan Donal McDaid Matt Tweedie (British)  
Company Secretary Ken Freeman

GLOBAL EUROPE DUBLIN JOB 257589-00/257589-001 CLIENT 11-02  
CORRESPONDENCE 0014\_257589-00\_2018.09.24\_WGA FORESHORE  
LICENCE ARUP LETTER\_09.DOCX

Ove Arup & Partners Ireland Ltd trading as Arup | Company Reg No: 37037  
Reg Office: 50 Ringsend Road Dublin 4 D04 T6X0  
Cork | One Albert Quay T12 X8N6 Tel +353 (0)21 422 3200  
Dublin | 50 Ringsend Rd D04 T6X0 Tel +353 (0)1 233 4455  
Galway | Corporate House City East Business Park Ballybrit H91 K5YD Tel +353 (0)91 894 700  
Limerick | Hartstonge House Upr Hartstonge St V94 F8XE Tel +353 (0)61 212 100

Your ref FS 006835  
Our ref 257589-00MFA/K  
File ref L0015

RESPONSE TO SNR PLANNER  
(CCC) OBS

ARUP

Mr Patrick O'Neill  
Department of Housing Planning  
and Local Government  
Newtown Road  
Wexford

One Albert Quay  
Cork  
T12 X8N6  
Ireland  
t +353 21 422 3200  
conor.enright@arup.com  
www.arup.com

24 September 2018

Dear Mr O'Neill

**257589-00 Site Investigation Works Whitegate-Aghada Co. Cork**

We wish to acknowledge receipt of your letter dated 02 July 2018.

Please find our response to the comments from Mr. Noel Sheridan Senior Planner with Cork County Council within the aforementioned letter below:

*"The Planning Authority has no planning concern with this proposal."*

We have no further comments to add to this observation and trust this is to your satisfaction.

Yours sincerely

for

Ove Arup & Partners Ireland Ltd t/a Arup

*Conor Enright*

Conor Enright  
Design Engineer

Directors Joe Burns Paul Coughlan Donal McDaid Matt Tweedie (Brish)  
Company Secretary Ken Freeman

Ove Arup & Partners Ireland Ltd trading as Arup | Company Reg No: 37037

Reg Office: 50 Ringsend Road Dublin 4 D04 T6X0

Cork | One Albert Quay T12 X8N6 Tel +353 (0)21 422 3200

Dublin | 50 Ringsend Rd D04 T6X0 Tel +353 (0)1 233 4455

Galway | Corporate House City East Business Park Ballybrit H91 K5YD Tel +353 (0)91 894 700

Limerick | Hartstonge House Upr Hartstonge St V94 FBXE Tel +353 (0)61 212 100

GLOBAL EUROPE DUBLIN H008 8217000 057589-001 CLIENT: 42  
CORRESPONDENCE L0015 257589-00 2018 09 24 WFA FUREBHOKE  
LICENSE ARUP LETTER\_16DOCK

Your ref FS 006835  
Our ref 257589-00/MFL/K  
File ref L0008

Response TO ECMD 085(2) ARUP

Mr Patrick O'Neill  
Department of Housing, Planning  
and Local Government  
Newtown Road  
Wexford

50 Ringsend Road  
Dublin 4  
D04 T6X0  
Ireland  
t +353 1 233 4455  
marie.fleming@arup.com  
www.arup.com

22 August 2018

Dear Mr O'Neill,

**257589-00 Site Investigation Works Whitegate-Aghada Co. Cork**

We wish to acknowledge receipt of your letter dated 03 August 2018.

Please find our responses to the comment from the East Cork Municipal District section of Cork County Council within the aforementioned letter below:

*"The applicant's response (plain text) below partially addresses earlier comments (in italics) in that the applicant has confirmed the works will be carried out after September 15th – i.e. after the bathing season. The concern about closing to public use at the weekends has not been acknowledged or responded to."*

We do not envisage that White Bay Cove will be closed to the public at any weekend as there are only 2 no. boreholes to be drilled in this area. The contractor will be instructed to begin works in this area on a Monday to ensure that the works are completed in time for the area to be reopened to the public for the weekend. This can be confirmed once a contractor is appointed and a discussion is undertaken on the matter.

I trust the above comments are to your satisfaction.

Yours sincerely  
for  
Ove Arup & Partners Ireland Ltd t/a Arup

  
Marie Fleming

Directors Joe Burns Paul Coughlan Donal McDaid Matt Tweedie (British)  
Company Secretary Ken Freeman

GLOBAL EUROPE DUBLIN JOBB1257000257669-001 CLIENT11-02  
CORRESPONDENCE L0008\_257589-00\_2018 08 22\_WGA FORESHORE  
LICENCE ARUP LETTER\_02.DOCX

Ove Arup & Partners Ireland Ltd trading as Arup | Company Reg No: 37037  
Reg Office: 50 Ringsend Road Dublin 4 D04 T6X0  
Cork | One Albert Quay T12 X8N6 Tel +353 (0)21 422 3200  
Dublin | 50 Ringsend Rd D04 T6X0 Tel +353 (0)1 233 4455  
Galway | Corporate House City East Business Park Ballybrit H91 K5YD Tel +353 (0)91 894 700  
Limerick | Hartstonge House Upr Hartstonge St V94 F8XE Tel +353 (0)61 212 100

Your ref FS 006835  
Our ref 257589-00/MF/LK  
File ref L0016

RESPONSE TO ECMD  
(CCC) 035 (3)

ARUP

Mr Patrick O'Neill  
Department of Housing Planning  
and Local Government  
Newtown Road  
Wexford

One Albert Quay  
Cork  
T12 X8N6  
Ireland  
t +353 21 422 3200  
conor.enright@arup.com  
www.arup.com

24 September 2018

Dear Mr O'Neill

**257589-00 Site Investigation Works Whitegate-Aghada Co. Cork**

We wish to acknowledge receipt of your letter dated 23 August 2018.

Please find our response to the comments from the East Cork Municipal District Section of Cork County Council within the aforementioned letter below:

*"The applicant's response is now satisfactory."*

We have no further comments to add to this observation and trust this is to your satisfaction.

Yours sincerely  
for  
Ove Arup & Partners Ireland Ltd t/a Arup

*Conor Enright*

Conor Enright  
Design Engineer

Directors Joe Burns Paul Coughlan Donal McDaid Matt Tweedie (British)  
Company Secretary Ken Freeman

GLOBAL EUROPE DUBLIN JOB 8257000/017589-001 CLIENT 11-02  
CORRESPONDENCE 0016\_2018-09-24\_WGA FOREBRORE  
LICENCE ARUP LETTER\_11.DOCX

Ove Arup & Partners Ireland Ltd trading as Arup | Company Reg No: 37037  
Reg Office: 50 Ringsend Road Dublin 4 D04 T6X0  
Cork | One Albert Quay T12 X8N6 Tel +353 (0)21 422 3200  
Dublin | 50 Ringsend Rd D04 T6X0 Tel +353 (0)1 233 4455  
Galway | Corporate House City East Business Park Ballybrit H91 K5YD Tel +353 (0)91 894 700  
Limerick | Hartstonge House Upr Hartstonge St V94 F8XE Tel +353 (0)61 212 100



# RESPONSE TO DAFM

Your ref FS 006835  
Our ref 257589-00/MF/LK  
File ref L0009

# ARUP

Mr Patrick O'Neill  
Department of Housing, Planning  
and Local Government  
Newtown Road  
Wexford

50 Ringsend Road  
Dublin 4  
D04 T6X0  
Ireland  
t +353 1 233 4455  
marie.fleming@arup.com  
www.arup.com

22 August 2018

Dear Mr O'Neill,

## 257589-00 Site Investigation Works Whitegate-Aghada Co. Cork

We wish to acknowledge receipt of your letter dated 03 August 2018.

Please find our responses to the comment from the Department of Agriculture, Food and the Marine within the aforementioned letter below:

*"There are a number of wild fisheries in and around the specific area of this licence application. The fisheries range from annual Velvet Crab/Green Crab fisheries to seasonal Lobster and Brown Crab fisheries. During the site visit there were a number of marker buoys in the area of this application, which corroborated the information provided by local fishermen.*

*Regarding possible impacts on local wild fisheries, this application will have little or no impact as long as there is effective communication between the operator of the barge and the local fishermen, if there is going to be an exclusion zone put into effect for the duration of the drilling. This will allow fishermen the opportunity to continue to fish during the drilling works.*

We are currently in the process of contacting the Royal Yacht Club and the Atlantic Charters who operate within the Cork Harbour area to make both aware of the upcoming works. Both bodies are in contact with fishermen in this area on a daily basis.

Once the relevant contractor is appointed, we as the employer's representative will be conducting a kick off meeting with the contractor where the need to communicate effectively with the local fishermen will also be raised and enforced. Similarly, coming up to the start of the works warning signs will be erected in the vicinity of the proposed works and adjacent to piers and slipways to make the public and fishermen aware of what is being undertaken.

*Regarding Impacts, if any, on shellfish growing areas, the report does reference in page 32 that the SFPA website refers the shellfish site in Rostellan as being a 'Dormant Fishery'.*

Directors Joe Burns Paul Coughlan Donal McDaid Matt Tweedie (British)  
Company Secretary Ken Freeman

Over Arup & Partners Ireland Ltd trading as Arup | Company Reg No: 37037  
Reg Office: 50 Ringsend Road Dublin 4 D04 T6X0  
Cork | One Albert Quay T12 X8N6 Tel +353 (0)21 422 3200  
Dublin | 50 Ringsend Rd D04 T6X0 Tel +353 (0)1 233 4455  
Galway | Corporate House City East Business Park Ballybrit H91 K5YD Tel +353 (0)91 894 700  
Limerick | Hartstonge House Upr Hartstonge St V94 F8XE Tel +353 (0)61 212 100

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CORRESPONDENCE L0009\_25789-00\_2018 08 22\_WGA FORESHORE  
LICENCE ARUP LETTER\_04.DOCX

*While this is the case presently, the operators of the shellfish site are currently working to have this site re stocked and possibly re-opened. However, at this point and for this application it is very unlikely that the site will open before the works here are completed, as a result there is not likely to be any effect on shellfish growing area."*


Arup has made note of the above observation.

I trust the above comments are to your satisfaction.

Yours sincerely

for

Ove Arup & Partners Ireland Ltd t/a Arup

  
Marie Fleming

# RESPONSE TO IFI

Your ref FS 006835  
Our ref 257589-00/MF/LK  
File ref LD011

# ARUP

Mr Patrick O'Neill  
Department of Housing, Planning  
and Local Government  
Newtown Road  
Wexford

50 Ringsend Road  
Dublin 4  
D04 T6X0  
Ireland  
t +353 1 233 4455  
marie.fleming@arup.com  
www.arup.com

21 September 2018

Dear Mr O'Neill,

## 257589-00 Site Investigation Works Whitegate-Aghada Co. Cork

We wish to acknowledge receipt of your letter dated 21 August 2018.

Please find our responses to the comment from Inland Fisheries Ireland within the aforementioned letter below:

*"IFI has no issues with the proposed works set out at items 1 and 3 above.*

*The works proposed under item 2 (Seismic Surveying) generates and disperses noise into the aquatic environment. The dispersal may be reduced in the present location, due to confinement but this may cause a degree of noise reflection and re-reflection from the adjoining shoreline areas, particularly where these are rocky in nature.*

*The procedures proposed use instruments that can generate high sound pressure levels with potential for impacts to fish species here but such issues are not addressed in the application.*

*Mitigation measures in regard to the timing of works and also in regard to noise generation and potential for adverse impact on fish species should be included as conditions in any foreshore licence that may be granted. These mitigations should cover:*

- The timing of any seismic surveying shall be agreed in advance with IFI Macroom in the context of migratory fish species using the survey area for access to and from Cork Harbour and tributary rivers. The relevant fish species include Atlantic salmon, sea trout, sea- and river lamprey and European eel.*
- The use of soft-start and ramp-up procedures for any sound-generating surveys undertaken – both on a day-to-day basis and on re-start after any stoppages within any day*
- The duration of noise-generating surveys shall be reduced to the minimum necessary to collect results of sufficient quality."*

Directors Joe Burns Paul Coughlan Donal McDaid Matt Tweedie (British)  
Company Secretary Ken Freeman

Ove Arup & Partners Ireland Ltd trading as Arup | Company Reg No: 37037  
Reg Office: 50 Ringsend Road Dublin 4 D04 T6X0  
Cork | One Albert Quay T12 X8N6 Tel +353 (0)21 422 3200  
Dublin | 50 Ringsend Rd D04 T6X0 Tel +353 (0)1 233 4455  
Galway | Corporate House City East Business Park Ballybrit H91 K5YD Tel +353 (0)91 894 700  
Limerick | Hartstonge House Upr Hartstonge St V94 F8XE Tel +353 (0)61 212 100

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CORRESPONDENCE LD011\_257589-00\_2018 09 21\_WGA FORESHORE  
LICENCE ARUP LETTER\_00.DOCX

With regards to the timing of the seismic survey, consultation will be undertaken with IFI Macroom in order to select the most appropriate time to carry out the survey.

It is intended that a soft start approach be undertaken when undertaking the seismic survey i.e. using a lower energy system first and gradually increase the frequency of the survey up to the air gun's necessary frequency. This process gives fish time to vacate the area in which the survey is to take place. This screens out direct harm to fish.

The duration of the survey will be condensed as much as is practical. This seismic survey is required to inform if the geology, sediment cover and composition vary within the survey area where it is envisaged the outfall will be constructed. It is pivotal that robust investigatory works are carried out at this point to ensure an efficient and constructible design is proposed.

I trust the above comments are to your satisfaction.

Yours sincerely

for

Ove Arup & Partners Ireland Ltd t/a Arup



Marie Fleming



RESPONSE TO ARCH(1)

Your ref FS 006835  
Our ref 257589-00/CE/LK  
File ref L0010

ARUP

Mr Patrick O'Neill  
Department of Housing, Planning  
and Local Government  
Newtown Road  
Wexford

One Albert Quay  
Cork  
T12 X8N6  
Ireland  
t +353 21 422 3200  
conor.enright@arup.com  
www.arup.com

28 August 2018

Dear Mr O'Neill,

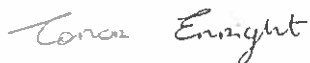
**257589-00 Site Investigation Works Whitegate-Aghada Co. Cork**

Further to our recent discussions with regards to the Foreshore licence application for site investigation works at Whitegate/Aghada Co.Cork and the request from the Underwater Archaeology Unit (UAU) of the Department of Culture, Heritage and the Gaeltacht in your letter dated 19 July 2018 to undertake an Underwater Archaeological Impact Assessment, please find enclosed correspondence between Mizen Archaeology and the UAU.

The UAU are in agreement that the underwater archaeology survey should be undertaken after the SI works.

Please confirm your satisfaction with the above.

Yours sincerely  
for  
Ove Arup & Partners Ireland Ltd t/a Arup



Conor Enright

----- Original Message -----

From: Connie Kelleher <[Connie.Kelleher@chg.gov.ie](mailto:Connie.Kelleher@chg.gov.ie)>

To: Julianna O'Donoghue <[julianna@mizen.ie](mailto:julianna@mizen.ie)>

Date: August 21, 2018 at 3:40 PM

Subject: RE: Irish Water – Site Investigation Works at Whitegate – Aghada, and Berehaven, Co. Cork

Hi Julianna,

No we have no objections to your proposed approach. We would recommend that high resolution multibeam also be included

Regards,

Connie

---

Dr Connie Ní Chéilleachair - Dr Connie Kelleher  
Aonad Seandálaíochta Faoi Uisce - Underwater Archaeology Unit  
Seirbhís Séadchomharthaí Náisiúnta - National Monuments Service  
Dept. of Culture, Heritage and the Gaeltacht  
Room G19, New Road, Killarney, Co. Kerry

Tel: 0646627341

Mob.: 0872333959

Email: [connie.kelleher@chg.gov.ie](mailto:connie.kelleher@chg.gov.ie)

Visit us on: [www.archaeology.ie](http://www.archaeology.ie)



An Roinn Cultúir,  
Oidhreacht agus Gaeltachta  
Department of Culture,  
Heritage and the Gaeltacht

From: Julianna O'Donoghue [<mailto:julianna@mizen.ie>]  
Sent: 14 August 2018 15:34  
To: Connie Kelleher  
Subject: Irish Water – Site Investigation Works at Whitegate – Aghada, and Berehaven, Co. Cork

Connie,

I have been appointed by Arup to carry out underwater archaeological impact assessments at at Whitegate – Aghada, and Berehaven, Co. Cork.

Both areas measures circa 200m. x 250m. I have recommended that geophysics (complying with National Monuments Service guidelines) be undertaken, as is standard practice for areas this size rather than dive survey alone. Arup have already commissioned a geophysical survey comprising sub-bottom profiling, multi-channel analysis of wave surface and seismic refraction.

Arup are concerned that the recommendations issued by the National Monuments Service for the projects refer to the archaeological survey being carried out in advance of the Site Investigation works. However, I believe that the best option is to include side-scan/ magnetometer surveys as part of the geophysics programme so that the results can inform the Archaeological Impact Assessment.

Taking the above into consideration does the National Monuments Service have any objection to the site investigation contract being carried out in advance of the archaeological assessment?

Regards,

Julianna O'Donoghue

**Julianna O'Donoghue**  
Director

**mizen**  
ARCHAEOLOGY

*Underwater & Land Based Archaeological Services*





# RESPONSE TO ARUP (2)

Your ref FS 006835  
Our ref 257589-00/MF/LK  
File ref LD017

## ARUP

Mr Patrick O'Neill  
Department of Housing Planning  
and Local Government  
Newtown Road  
Wexford

One Albert Quay  
Cork  
T12 X8N6  
Ireland  
t +353 21 422 3200  
conor.enright@arup.com  
www.arup.com

24 September 2018

Dear Mr O'Neill

### 257589-00 Site Investigation Works Whitegate-Aghada Co. Cork

We wish to acknowledge receipt of your letter dated 11 September August 2018.

Please find our response to the comments from the Underwater Archaeology Unit of the Department of Culture, Heritage and the Gaeltacht (DAHG) within the aforementioned letter below:

*"To confirm, the Underwater Archaeology Unit has no objections to the SI works being done once the Underwater Archaeological Impact Assessment has access to the results of the SI work and the UAIA is carried out thereafter before any further works are undertaken."*

We have no further comments to add to this observation and trust this is to your satisfaction.

Yours sincerely

for

Ove Arup & Partners Ireland Ltd t/a Arup



Conor Enright  
Design Engineer

Directors Joe Burns Paul Coughlan Donal McDaid Matt Tweedie (British)  
Company Secretary Ken Freeman

GLOBAL EUROPE DUBLIN NUMBER 0057000 037589-001 CLIENT 1-2  
CORRESPONDENCE 0017\_257589-00\_2018 09 24\_WGA FORESHORE  
LICENCE ARUP LETTER\_12.DOCX

Ove Arup & Partners Ireland Ltd trading as Arup | Company Reg No: 37037  
Reg Office: 50 Ringsend Road Dublin 4 D04 T6X0  
Cork | One Albert Quay T12 X8N6 Tel +353 (0)21 422 3200  
Dublin | 50 Ringsend Rd D04 T6X0 Tel +353 (0)1 233 4455  
Galway | Corporate House City East Business Park Ballybrit H91 K5YD Tel +353 (0)91 894 700  
Limerick | Hartstonge House Upr Hartstonge St V94 F8XE Tel +353 (0)61 212 100

# RESPONSE TO NATURE

Your ref FS 006835  
Our ref 257589-00MFLK  
File ref L0018

## ARUP

Mr Patrick O'Neill  
Department of Housing Planning  
and Local Government  
Newtown Road  
Wexford

One Albert Quay  
Cork  
T12 X8N6  
Ireland  
t +353 21 422 3200  
conor.enright@arup.com  
www.arup.com

24 September 2018

Dear Mr O'Neill

### 257589-00 Site Investigation Works Whitegate-Aghada Co. Cork

We wish to acknowledge receipt of your letter dated 19 September August 2018.

Please find our response to the comments from the National Parks and Wildlife Service of the Department of Culture, Heritage and the Gaeltacht (DAHG) within the aforementioned letter below:

*"The Department (DCHG) does not have any nature conservation observations to make at this time."*

We have no further comments to add to this observation and trust this is to your satisfaction.

Yours sincerely

for

Ove Arup & Partners Ireland Ltd t/a Arup



Conor Enright  
Design Engineer

Directors Joe Burns Paul Coughlan Donal McDaid Matt Tweedie (British)  
Company Secretary Ken Freeman

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Ove Arup & Partners Ireland Ltd trading as Arup | Company Reg No: 37037  
Reg Office: 50 Ringsend Road Dublin 4 D04 T6X0  
Cork | One Albert Quay T12 X8N6 Tel +353 (0)21 422 3200  
Dublin | 50 Ringsend Rd D04 T6X0 Tel +353 (0)1 233 4455  
Galway | Corporate House City East Business Park Ballybrit H91 K5YD Tel +353 (0)91 894 700  
Limerick | Hartstonge House Upr Hartstonge St V94 FBXE Tel +353 (0)61 212 100