DAFM

From: [redacted]@agriculture.gov.ie>
Sent: Wednesday 2 June 2021 15:02
To: [redacted](Housing)
Cc: Foreshore
Subject: Our Ref: FW.8.91 An application on behalf of Irish Water Wastewater Treatment, Marine Outfall, 3 No. Wastewater Pump Stations and pipework, at Whitegate-Aghada, Co. Cork

Follow Up Flag: Follow up
Flag Status: Flagged

Our Ref: FW.8.91 An application on behalf of Irish Water Wastewater Treatment, Marine Outfall,
3 No. Wastewater Pump Stations and pipework at Whitegate-Aghada, Co. Cork
Your Ref: FS007027

Dear [redacted],

I refer to your request for comments/observations from the Dept of Agriculture Food and the Marine with regards to this application.
This Department has no objection to this application by Irish Water, please include the condition below in any licence that issues:-

- The Marine Institute advises that the duration of laying of the outfall pipe into White Bay be kept as short as possible and that all mitigation measures proposed be fully implemented.

Regards,

[redacted]
Aquaculture and Foreshore Management Division
Department of Agriculture, Food and the Marine
National Seafood Centre
Clonakilty
Co. Cork
P85 TX47
Email: [redacted]**@agriculture.gov.ie**

EPA

From: EIAPlanning [redacted]
Sent: Wednesday 28 April 2021 16:34
To: Housing Foreshore
Subject: FS007027 Consultee Letter_EPA.pdf
Attachments: Consultee Letter_EPA.pdf

Your Ref: FS007027

Notification of Foreshore Application on behalf of Irish Water - Wastewater Treatment, Marine outfall, 3 No. Wastewater pump stations and pipework, Whitegate-Aghada, Co. Cork

Dear [redacted],

I refer to your letter received 01.04.2021 requesting comments from the Agency on the foreshore application for the above referenced development. The Agency makes the following observations.

A Waste Water Discharge Licence (WWDL) (Register No: D0423-01) held by Irish Water issued on 08.10.2015 for the waste water discharges from the waste water works serving the agglomeration of Whitegate / Aghada.

Details of the licence and any amendments made to the licence may be viewed on the Agency's website www.epa.ie. Currently, the Agency does not have on-hand an application for a review of this licence.

The population equivalent of the agglomeration to which the licence relates is 2,000. We note that the foreshore application relates to a waste water treatment plant designed initially for a population equivalent of 2,479.
Therefore, a review of the WWDL is required as the proposed development results in the waste water works serving the agglomeration with a population equivalent greater than that for which a licence was granted.

The WWDL specifies requirements for the protection of the environment including a requirement to install a new waste water treatment plant providing secondary treatment with associated emission limit values. As the development proposal involves a waste water treatment plant providing preliminary and primary treatment, a review of the WWDL is required.

The location of the outfall pipe differs from the primary discharge location specified in the WWDL and therefore a review of the WWDL is required.

In determining the application, please consider the following:

- that the proposed development requires a review of the WWDL,
- consider whether discharge causes or exacerbates breaches of the combined approach or cause serious water pollution and
- the requirements and conclusions, as appropriate, of your EIA process and Appropriate Assessment process.

If the Department determines to grant a Foreshore Licence, the Agency requests that you consider including a condition to the Foreshore Licence that requires Irish Water to submit an application for review of the licence to the Agency within six months and before any development starts, unless with prior written agreement of the EPA.

For all further queries and correspondence relating to planning matters, please contact eiaplanning@epa.ie

Yours faithfully,
Environmental Licensing Programme

Environmental Licencing Programme
Office of Environmental Sustainability
An Clár um Cheadúnú Comhshaoil
Oifig um Inbhuanaitheacht Chomhshaoil

053-916 0600 (Switch)
eiaplanning@epa.ie
www.epa.ie

Iascach Intíre Éireann
Inland Fisheries Ireland

IFI

MARINE LICENCE VETTING COMMITTEE:
RE: FS007027 – Foreshore Application on behalf of Irish Water - Wastewater Treatment, Marine Outfall, 3 No. Wastewater Pump Stations and Pipework, Whitegate-Aghada, Co. Cork: Observation Request

Request for observations from [redacted] dated 01/04/2021.

Overview:

The proposed development would consist of the construction of a wastewater collection and treatment system for the combined villages of Whitegate and Aghada, Co. Cork. Currently, there is no wastewater treatment facility serving the area and as a result untreated wastewater is being discharged directly into Cork Harbour. This process is not compliant with obligations of the Urban Wastewater Treatment Directive (UWWTD) 91/271/EEC. To rectify this problem and to facilitate future development in the area, currently constrained by the lack of adequate wastewater treatment, the proposed development is being advanced by Irish Water.

Applicant Information:

The elements of the project that will occur on the foreshore are clearly laid out in the application form as follows:

1. Marine Outfall,
2. Part of proposed Rostellan Wastewater Pump Station and Rising Main,
3. Part of proposed Whitegate Wastewater Pump Station and Rising Main.

The overall scheme would comprise the following elements:

- Wastewater Treatment Plants (WWTPs),
- Gravity Sewer-Outfall,
- Marine Outfall,
- Rostellan Wastewater Pumping Station and Rising Main,
- Lower Aghada Wastewater Pumping Station and Rising Main,
- Whitegate Wastewater Pumping Station and Rising Main,
- Ardnabourkey Gravity Sewer,
- Upgrade Works to Existing Sewerage System.

The estimated construction programme is anticipated to take approximately 16 months.

Iascach Intíre Éireann
Inland Fisheries Ireland

IFI Comment:

General

Inland Fisheries Ireland's (IFI) brief includes conservation of relevant fish species. Of relevance in the present case are resident and migratory species traversing the coastline and entering into the Cork Harbour SPA - including Atlantic salmon, sea trout, sea and river lamprey and European eel.

In terms of time windows, the following are relevant in regard to planning of construction work (see Table 1).

- Summer inward migration of 1-sea winter salmon or grilse into the Cork Harbour SPA,
- migration of adult river lamprey into the area from late summer through Autumn and Winter,
- Spring downstream migration (March – May) of salmon smolts moving out to sea,
- Winter – Spring glass eel recruitment and elver upstream migrations of European eel,
- Autumn – Spring downstream migration of adult silver eel, European eel.

Depending on the timing of the proposed works, these migratory species, (as well as sea trout) would be passing through the area where construction work would be on-going with potential to generate noise into the water column, and where suspended solids, construction materials and cements may be at risk of entering the water column.

In a marine context, the timings should be examined in regard to the spawning time and spawning area of commercially important fish species and input of Sea Fisheries Protection Authority (SFPA) should be sought here. Species of note would be sharks, such as tope and smoothhound. IFI would recommend the local angling clubs and fishermen are notified in advance of works commencing.

Table 1. Generalised timing of life stages of relevant migratory fish species using Cork Harbour SPA

Fish Species	EU Status	Life stage	Timing in Harbour SPA
Atlantic salmon	Habitats - Annex II	Adult upstream migration	All times of year: 'spring' fish; grilse run in June - July
		Smolt downstream run	March - June
River lamprey	Habitats - Annex II	Upstream Adult spawning migration	Autumn - Winter
		Seaward migration of young adults	Autumn - Winter
European Eel	EU Eel Action Plan	Upstream migration of elvers	Winter - Spring
		Downstream of adult fish	Autumn – Spring

The proposed application, while making reference to the importance of the Cork Harbour SPA for several fish species as spawning and/or nursery waters (including Atlantic mackerel, Horse Mackerel, Atlantic Cod, Atlantic Herring and Whiting) and shellfish aquaculture; does not consider the further importance of the waterbody to the migratory species listed in Table 1 above. These species were previously highlighted by IFI in the observation notes in relation to the initial marine site investigation for the proposed works (file ref FS006835 - Foreshore Application by Irish Water in respect of site investigations at Aghada - Whitegate, Co. Cork by [redacted] (IFI, R&D, [redacted] and [redacted] (IFI, Macroom).

Specific construction elements (also listed 1-3 above)

1. Marine Outfall,
2. Part of proposed Rostellan Wastewater Pump Station and Rising Main,
3. Part of proposed Whitegate Wastewater Pump Station and Rising Main.

When considering the specifics of **construction element 1 – the marine outfall**, which is proposed to extend approximately 295m beyond the highwater mark and approximately 190m beyond the low water mark discharging in a water depth range of between 4.3m and 8m during a typical spring tide. The outfall has been designed as a 315mm OD HDPE pipe terminating at an 80mm diameter diffuser port. A 100m wide pipe laying corridor is specified in the application, to allow for construction. The pipe laying methodology is not specified and will be determined by the contractor. However, it is likely to be one of the following:

A. Horizontal directional drilling
B. Flood-and-float
C. Bottom-pull

IFI would have a clear preference for Option A (HDD) given its minimal adverse impact on the marine environment and does not require the installation of a concrete mattress for scour protection. The other options have significant impact in regard to trench excavation, lining and filling and mattress installation.

In relation to construction elements 2 and 3, **construction of Wastewater Pump Stations and Rising Mains**, the works will be intrusive at the construction phase in regard to **noise generation due to the proposed sheet piling utilised.** IFI acknowledges the significance of noise and vibration generation into the aquatic environment due to piling activity. The procedures proposed use instruments that can generate high sound pressure levels with potential for impacts to fish species but such issues are not addressed in the application. Mitigation measures should be undertaken to mitigate adverse impacts to the aquatic biota and should include the following:

- Pile driving to be undertaken only in daylight hours and for limited periods of time,
- Pile driving should not be occurring during critical environmental windows for migratory fish (see Table 1 and timings to be agreed with IFI Macroom),
- Use of vibrating hammer for pile driving in order to reduce noise generation and propagation,
- Use of bubbler curtain around the immediate area of pile driving in order to reduce noise dispersal into the aquatic environment,
- Use of cushion blocks to dampen hammer action,
- Use of soft-start and ramp-up procedures for any noise generating works undertaken both on a day-to-day basis and on re-start after any stoppages within any day,
- duration of noise-generating works to be reduced to the minimum necessary to complete works to a sufficient quality.

Finally, in relation to all three construction elements listed, IFI refers to its guidance in relation to construction works adjacent to water (https://www.fisheriesireland.ie/extranet/fisheries-management-1/624-guidelines-on-protection-of-fisheries-during-construction-works-in-and-adjacent-to-waters.html), (IFI, 2006) and would require that all relevant measures specified therein should be adhered to. The document covers a range of issues including management of materials hazardous to the aquatic environment such as cements, grouting, oils, fuels and other chemicals, along with management of suspended solids and excavated materials. IFI proposes that compliance with this document should be a condition of foreshore permission. Details of Construction Environmental Management Plan (CEMP) should be agreed in advance with IFI.

[redacted] (IFI, R&D) & [redacted] (IFI)
17/05/2021

References:

[redacted] (2020). Natura Impact Statement (NIS) Whitegate-Aghada Sewerage Scheme (UTAS Cork Bundle). [redacted] Environmental Consultants.

IFI (2006). Guidelines on protection of fisheries during construction work in and adjacent to waters. Inland Fisheries Ireland. (https://www.fisheriesireland.ie/extranet/fisheries-management-1/624-guidelines-on-protection-of-fisheries-during-construction-works-in-and-adjacent-to-waters.html).

Engineer Report - DHLGH

An Roinn Tithíochta, Rialtais Áitiúil agus Oidhreachta
Department of Housing, Local Government and Heritage

[redacted]
Foreshore Unit,
Department of the Housing, Local Government & Heritage,
Newtown Road,
Co. Wexford.

14/09/2021 **File Ref: FS007027**

Re: Foreshore Licence application for elements of the proposed wastewater collection and treatment system for the combined villages of Whitegate and Aghada, Co. Cork.

Applicant: Irish Water

Site Location: Rostellan, Whitegate and White Bay, Glanagow, County Cork.

Supporting information submitted:

- Application Form.
- Drawings and Maps
- Dispersion Modelling
- Applicant's Screening for AA and NIS/AA
- Construction Environmental Management Plan (CEMP)
- Archaeology Assessments and Reports
- Other supporting Documents

1.0 Project Overview and Background

The proposed development consists of the construction of a wastewater collection system and a wastewater treatment plant (wwtp) at Ballytigeen for the villages of Whitegate and Aghada, Co. Cork. Currently wastewater from the villages of Whitegate and Aghada is being discharged untreated directly into Cork Harbour. This is not in compliance with obligations of the Urban Wastewater Treatment Directive (UWWTD) 91/271/EEC. The proposed development will rectify this issue and facilitate the future development in the villages which is currently constrained by the lack of adequate wastewater treatment. The overall developments consists of a wastewater treatment plant, upgrade works to existing sewerage system, extensive new sewage system, 3 no. pump stations and an marine outfall to the sea at White Bay.

1.1 Brief Description of the proposed works

The following are the elements of the development that are on foreshore and require a consent under the foreshore act;

i. Foreshore at Rostellan for part of proposed Pump Station and Rising Main.
ii. Foreshore at Whitegate for part of proposed Pump Station, Rising Main and Emergency Overflow.

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Bessboro Road
Mahon
Cork
Ireland

Teach Darach
Bóthar Bessboro
Machan
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barry.mcdonald@housing.gov.ie

iii. Foreshore at White Bay, Glanaglow for Marine Outfall to the sea.

The treated effluent from the proposed Whitegate and Aghada wwtp is to be discharged to the sea at White Bay via a marine outfall. The proposed outfall will extend approximately 295m beyond the high water mark and approx. 190m beyond the low water mark discharging in a water of minimum depth of 4.3m at low water spring tide. The outfall has been designed as a 315mm OD HDPE pipe terminating at an 80mm diameter diffuser port. The construction works for the proposed development would also require temporary working areas to accommodate the required infrastructure within the foreshore.

Existing outfall pipelines are to be repurposed to serve as combined Emergency Overflow / Surface Water Overflows (EO/SWOs). Connections to these existing pipelines will be made on-shore and there will be no additional works within the foreshore area. However it is not apparent from the application as to the condition or status of these outfalls. Emergency overflows operate in the event of a pump failure or power outage at a pump station. In the event of an extended pump failure or power outage untreated wastewater could be discharged to surface waters, such events would be very rare. However rare it is not acceptable that untreated wastewater be discharged to intertidal foreshore and so it is required that all EO/SWOs must discharge to below the line of Mean Low Water Springs to ensure maximum dilution is achieved and nuisance avoided. For visual and amenity reasons the pipeline must be buried below the natural shore, beach and foreshore level over its entire length with adequate cover to ensure it is not exposed or damaged during storm events.

2.0 Estate Management

2.1 Site Inspection and Consent History

I inspected the 3 sites on the 15/07/2021 at approx. 12:30 (LW 16.03 0.72m).

i. Foreshore at Rostellan for part of proposed Pump Station and Rising Main.

2. no. areas lined red and marked Area A - 0.015ha and Area B - 0.011ha shown on Foreshore Licence Map 1. While these works are on what is now “dry land” a small part of pump station and rising main at Rostellan is on state owned foreshore previously reclaimed adjacent to a public park and a piece previously reclaimed for the public road under existing licence FS004115 and so require a foreshore licence. There is no conflict with the use licenced under licence FS004115 and Irish Water have the consent of the licensee Cork County Council to conduct the works. (See Photo 1)

ii. Foreshore at Whitegate for part of proposed Pump Station, Rising Main and Emergency Overflow

2. no. area lined red and marked Area C1 – 0.36ha and Area C2 – 0.33ha shown on Foreshore Licence Map 2. While these works are on what is now “dry land” part of the pump station, rising main and emergency overflow at Whitegate are on state owned foreshore it was previously reclaimed for the construction of the main road under existing licence FS004134 and Foreshore licence FS004178 for sewerage fall pipe so the works require a foreshore licence. There is no conflict with the developments licenced under licence FS004134 and FS004178 and Irish Water have the consent of the licensee Cork County Council to conduct the works. (See Photo 2)

iii. Foreshore at White Bay, Glanagow for Marine Outfall to the sea.

1. no. area lined red and marked Area D – 1.30ha shown on Foreshore Licence Map 3.

This area over laps with foreshore licence FS006835 which was for site investigation works carried out to support the development the subject of this application. There is no conflict with the use licenced under licence FS006835 as the survey works are now complete. (See Photo3)

Total area of foreshore the subject of the application: 2.016ha.

All foreshore is presumed state owned unless proven otherwise. There are no known or established claims of private ownership of the foreshore at these locations. Therefore the foreshore the subject of this application is currently presumed state owned and proposed development does not conflict with the existing overlapping licences.

3.0 Public Interest

Section 2 and 3 of the Foreshore Act, as amended, states that a lease or licence of state foreshore may be granted "If, in the opinion of the Minister, it is in the public interest". As state owned foreshore is a finite and valuable state resource and a public amenity, it is important that each plan and project is fully assessed to ensure, that if consented to, it is a sustainable and proper use of that resource.

Having considered the works proposed will bring to an end the unacceptable practice of waste water being discharged to the marine environment with only minimal treatment and that the works are required to comply with obligations of the Urban Wastewater Treatment Directive, I am satisfied that the proposed project is in the public interest.

4.0 Assessment & Conclusion

The foreshore the subject of this application at Rostellan, Whitegate and White Bay, Glanagow, County Cork is state owned, there are no conflicts with existing licences and the works as proposed are in the public interest. The works if completed as proposed will not have significant adverse impacts on the public use of and access to foreshore, navigation, fisheries or the environment (subject to MLVC confirmation).

5.0 Recommendation

I have no objection to the granting of Foreshore Licence under Section 3 of the Foreshore Act for this application subject to the following conditions;

1. The licensee shall use that part of the foreshore, the subject matter of this licence for the purposes as outlined in the application and for no other purposes whatsoever.

2. The drawings titled: Foreshore Licence Map 1, Drg. No: IW-10015229-03-04-001, Rev: I2, Rev Date: 04/08/21, Foreshore Licence Map 2, Drg. No: IW-10015229-03-04-002, Rev: I2, Rev Date: 04/08/21 and Foreshore Licence Map 3, Drg. No: IW-10015229-03-04-003, Rev: I2, Rev Date: 04/08/21 shall be attached to and referenced in the licence document.

3. The works shall be completed in accordance the application documents and drawings submitted by the licensee to the Department of Housing, Local Government and Heritage.

4. The licensee shall submit to the Department of Housing, Local Government and Heritage a detailed report on the existing outfall pipelines to be repurposed to serve as combined Emergency Overflows/Surface Water Overflows. The report shall include the location, detailed description and drawings, condition and licencing status etc. of the outfalls. Any short comings identified must be rectified to the satisfaction of the Department of Housing, Local Government and Heritage. Please note it is a requirement of this Department that Emergency Overflows/Surface Water Overflows shall discharge to below the line low water springs.

5. The construction works shall be scheduled so to avoid the bathing season from 1st May to 30th September at White Bay.

6. The licensee shall notify the Department of Housing, Local Government and Heritage at least 14 days in advance of the commencement of any works on the foreshore. This notification shall include an up to date Programme of Works for the completion of the project.

[redacted] M.Eng. M.I.E.I.
Engineering Inspector and Marine Advisor

Photo 1. The proposed site at Rostellan [redacted] 15/07/2021)

Photo 2. The proposed site at Whitegate [redacted] 15/07/2021)

Photo 3. The proposed site at White Bay ([redacted] 15/07/2021)

Marine Institute

Date: April 26, 2021

To: [redacted] – Foreshore DHLGH

From: [redacted] Marine Institute

Re: FS007027 Whitegate/Aghada wastewater treatment works

As part of a wider development whereby Irish Water proposed to install a wastewater treatment plant at Ballytigeen Townland and upgrade the current Whitegate and Aghada Sewerage Scheme, a foreshore application has been submitted to Department of Housing, Local Government and Heritage to carry out works on the foreshore. It is proposed that three elements of the development are to be located in the foreshore:

- Part of proposed Rostellan Wastewater Pump Station and Rising Main
- Part of proposed Whitegate Wastewater Pump Station and Rising Main
- Marine Outfall

Given that portions of the existing infrastructure at Rostellen and Whitegate are located within the foreshore, it is proposed that some of the newer elements of the scheme would also be carried out within the foreshore. In addition, the project in the foreshore culminates in the laying of a proposed 295m (approx.) long marine outfall (from the High Water Mark (HWM)) to convey treated effluent from the proposed Whitegate & Aghada Wastewater Treatment Plant (WwTP) to be discharged in White Bay. In addition, the construction works for the proposed development would also require temporary working areas to accommodate the required infrastructure within the foreshore. It is proposed that the outfall pipe would be laid within a trench and overlaid with a concrete mattress to act as scour protection which will be finished to bed level.

The foreshore application form was accompanied by a number of documents and figures including:

- Natura Impact Statement (NIS) + Appendices
- Dispersion Modelling
- Construction Environmental Management Plan (CEMP)
- Archaeological reports
- Numerous Drawings and Mapping

It should be noted that there is a distinction between licenced aquaculture sites and fishery orders. The practices are different and they are subject to different regulatory oversight. Aquaculture licensing is overseen by the Department of Agriculture Food and the Marine, whereas Fishery Order Areas, by virtue of use of dredging to harvest oysters, are overseen by Inland Fisheries Ireland.

The closest (line of sight) licenced aquaculture site **(T05-356A)** to the various elements of the project is:

- Rostellen PS – 6km
- Whitegate PS – 5.25km
- Marine Outfall – 8.5km

The closest (line of sight) Shellfish Growing waters (SGW) to the various elements of the project are:

- Rostellen South SGW - Rostellen PS – 330m
- Rostellen West SGW - Whitegate PS – 500m
- Rostellen West SGW - Marine Outfall – 5.5km

Given that wastewater generated in Whitegate/Aghada is currently discharged into Cork Harbour with effectively no treatment, it is the view of the Marine Institute that proposed scheme is justified in that it will meet with the requirements of the Urban Waste Water Treatment Directive and will likely improve water quality in Cork Harbour.

On the basis of distance, and outputs of modelling studies, it is unlikely that the proposed developments will impact on aquaculture operations. Furthermore, it is likely the proposed developments will improve the water quality as it relates to Shellfish Growing Waters Directive and the Water Framework Directive generally in Cork Harbour.

Upon review of the documentation, it is apparent that the proposed outfall works in the foreshore are considered significant. However, it is clear based upon information in the application and accompanying documentation that it is unlikely the development will have lasting impact on the marine features including Natura features, aquaculture operations and shellfish growing waters. Given the majority of disturbance is likely to occur during construction, the Marine Institute advices that the duration of laying of the outfall pipe into White Bay be kept as short as possible and that all mitigation measures proposed be fully implemented.

From: Fem Dau <Fem.Dau@housing.gov.ie>
Sent: Wednesday 2 June 2021 15:12
To: Housing Foreshore
Subject: FS007027

UAU

Categories: Filed to eDocs

A chara,

Please find the heritage recommendations of the Department for the above mentioned application.

Underwater Archaeology

Having reviewed the proposals in conjunction with the accompanying Archaeological Impact Assessment Report undertaken by Archaeological Consultancy Services Unit (2018), it is our recommendation that the mitigation measures detailed in relation to the construction stage works are carried out in full.

Archaeological Monitoring & Testing shall consist of the following:

1. The applicant is required to engage the services of a suitably qualified archaeologist to monitor all areas the proposed works. It is recommended that the archaeologist be licensed under the National Monuments Acts 1930-2014 where a monitoring & testing strategy will be agreed by this office.

2. Should archaeological material, wreckage, timbers, or other artefacts be found during the course of monitoring the construction of the outfall pipe, the archaeologist shall have work on the site stopped, pending a decision as to how best to deal with the archaeology. The developer shall be advised by the Department of Housing, Local Government and Heritage with regard to any necessary mitigating action (e.g. preservation in situ, dive and/or geophysical survey or excavation). The applicant shall facilitate the archaeologist in recording any material found.

3. The National Monuments Service shall be furnished with a report describing the results of the monitoring & testing.

The NPWS have no comment to make.

Kind regards,

[redacted]

MSO - Query (1)

From: [redacted]@transport.gov.ie>
Sent: Monday 19 July 2021 09:44
To: [redacted]Housing)
Subject: RE: MSO_Consultee Letter - FS007027

Good morning [redacted],

In order to complete the review and comment as required for the purposes of navigational safety, please ask the applicant to indicate the position of the proposed outfall on an admiralty chart.

Regards

[redacted]
Nautical Surveyor
Marine Survey Office

An Roinn Iompair
Department of Transport

Lána Líosain, Baile Átha Cliath, D02 TR60
Leeson Lane, Dublin, D02 TR60

[redacted] www.gov.ie/transport

MSO - Query (2)

From: [redacted]@transport.gov.ie>
Sent: Friday 3 September 2021 12:14
To: [redacted]
Cc: [redacted]
Subject: RE: Urgent - MSO queries FS007027

Categories: Filed to eDocs

[redacted]

I have the following comments:

1. Please confirm that if outfall pipe will be buried or just laid on the seabed. If laid on the seabed the pipe dimensions will need to be known
2. In order for charts and nautical publications to be updated the British Admiralty Hydrographic Office at Taunton , UK, is to be informed of the location and nature of the outfall pipe. **(Fax:0044 1823 284077), Email: sdr@ukho.gov.uk**
3. The applicant is required to apply to the Commissioners of Irish Lights **(email: info@irishlights.ie)** for sanction to establish any lights and marks that maybe required.

Rgds

[redacted]
Marine Survey Office
Nautical Surveyor

An Roinn Iompair
Department of Transport

Lána Líosain, Baile Átha Cliath, D02 TR60
Leeson Lane, Dublin, D02 TR60

[redacted]
[redacted]@transport.gov.ie www.gov.ie/transport

MSO (3) Final

From: [redacted]@transport.gov.ie>
Sent: Wednesday 13 October 2021 20:39
To: [redacted]
Subject: RE: [redacted] FS007027 Whitegate-Aghada

Categories: Filed to eDocs

Good afternoon [redacted]
After reviewing the answers below in relation to this application the MSO has no further comment's with regard to the safety of navigation and is satisfied with the answers provided.

Rgds

[redacted]
Marine Survey Office
Nautical Surveyor

An Roinn Iompair
Department of Transport

Lána Líosain, Baile Átha Cliath, D02 TR60
Leeson Lane, Dublin, D02 TR60

T + (0) [redacted]
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SFPA

AN t-ÚDARÁS UM CHOSAINT IASCAIGH MHARA | SEA-FISHERIES PROTECTION AUTHORITY

Aquaculture & Foreshore Application Observations

Application No: Foreshore Application - FW8.91 FS007027	Applicant Name & Area:Irish Water Wastewater Treatment, Marine Outfall, 3 No. Wastewater Pump Stations and pipework, Whitegate-Aghada, Co. Cork.
Application Category	
Aquaculture: N	Foreshore: Y

Sea Fisheries Protection Officer Observations

1. *Possible impacts, if any, on existing wild fisheries in the area, with an emphasis on the possible implications for the SFPA conducting official controls and possible non-compliance issues that could arise.*

Having reviewed the application, it is considered unlikely that the installation will interfere in any major way with any sea-fishing operations. However, there is most likely an existing pot fishery for crustaceans in the proposed area of the single treated water outfall off White Bay, which may be temporarily impacted on by restricted access during the construction phase of the development. A marker buoy will mark the outfall diffuser. No implications for the SFPA conducting official controls are envisaged or any possible non-compliance issues.

2. *Impacts, if any, on shellfish growing areas adjacent to or within the area and the possible impact on the ability of the SFPA to conduct official controls and possible non-compliance issues that could arise.*

While the effects on the existing oyster producing operations in the classified shellfish production areas off Rostellan, as described in the applicant's maps, are unknown, it is not envisaged that they would be impacted upon by the development. Any improvements to Wastewater Treatment plants in the area, where effluent has heretofore been discharged untreated, may in fact prove beneficial to the overall seawater quality in that area of Cork harbour. No implications for the SFPA conducting official controls are envisaged or any possible non-compliance issues. The existing Shellsan monitoring program, via routine monthly bivalve sampling, will be maintained unhindered at the Rostellan site before, during and after the completion of the development. It was noted in the Cork UTAS Modelling document, on Page 17, Table 9:List of Classified Bivalve Mollusc in Cork Harbour, that Rostellan is incorrectly regarded as a "Dormant Fishery".

3. *Possible impacts, if any, on seafood safety.*

It is not anticipated that there will be any negative impacts on Seafood safety.

Name: [redacted] **Port: Clonakilty Port Office**	**Date: 21/04/2021** **Signature:** [redacted]