

Noeleen Roche

Subject: FW: EPA Dumping at Sea Application Malahide Marina DAFM Ref: FW/4/34 EPA Ref: S0031-01

From: Kelleher Evan [mailto:Evan.Kelleher@agriculture.gov.ie]

Sent: 21 June 2018 14:29

To: Grainne Power <G.Power@epa.ie>

Cc: Foreshore <Foreshore@agriculture.gov.ie>

Subject: EPA Dumping at Sea Application Malahide Marina DAFM Ref: FW/4/34 EPA Ref: S0031-01

Dear Grainne,

Your Ref: S0031-01

Our Ref: FW/4/34

Re: Dumping at Sea Application Malahide Marina

Further to your email dated 9th April 2018 the Department has the following observations to make on the above mentioned planning application:

Background

The above Dumping at Sea Application refers to a submission by Malahide Marina Village Ltd for a permit to remove, by water injection dredging, up to 99,000 tonnes of marine sediments (predominantly silts) from the basin at Malahide Marina. Malahide Marina Village Ltd propose to undertake this dredging in three separate dredging campaigns over the next 7 years (Nov 2018-Jan 2019; Nov 2021-Jan 2022 and Nov 2024-Jan 2025) with a volume of approximately 17,000m³ to be removed by dredging during each campaign. A similar dredging campaign was undertaken at Malahide Marine under permit from this Department in 2006.

Chemical Testing of Sediments

5 sediment samples were taken as part of this application. Two samples (MH 1 and MH 5) were tested for the full suite of parameters established in the Marine Institute's publication 'Guidelines for the Assessment of Dredge Material for Disposal in Irish Waters' 2009. Three samples (MH 2, 3 & 4) were tested for a reduced suite of parameters (metals only). The results of the chemical analysis show that all samples are above the lower limit levels established by the Marine Institute for Nickel and Arsenic and MH2 exceeds the lower limit for Mercury. Samples MH 1 and MH 5 were also tested for HCB. Sample MH5 exceeds the upper limit of 1.0µg/kg established by the Marine Institute by a factor of more than three. The HCB result for sample MH1 is demoted as

Sea Fishing

This office has no specific knowledge of sea fishing in the area and recommends the matter be referred to the Sea Policy and Development Division and the SFPA for relevant comment. It should be brought to the attention of the SFPA that at least one of the samples analysed was found to be Class 3 (heavily contaminated) with HCB.

Fishery Harbours

The nearest Fishery Harbour Centre is Howth F.H.C. Due to the distance separating Howth FHC and Malahide Marina the proposal as presented is unlikely to have any impact on this or any other FHC.

Aquaculture

There are no local licensed aquaculture sites close by that might be impacted upon by this application. The SFPA (Declan Quigley) should be consulted on the presence of any casual pickers of foreshore shellfish and any particular advise that should be given to them. Aquaculture Section should check the HQ files for any relevant information in

relation to nearby activities not known to this office. You may also wish to consider this application in relation to any other AFMD policy matters not known to this office.

Further sampling and testing should be undertaken to establish whether the HCB contamination is localised around sample MH5 or whether this is a widespread issue within the marina basin. Should HCB contamination be pervasive alternative management options (other than water injection dredging) may need to be considered.

Kind regards,
Evan Kelleher

Evan Kelleher
Aquaculture and Foreshore Management Division

An Roinn Talmhaíochta, Bia agus Mara
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An Roinn Talmhaíochta, Bia agus Mara

Tá an t-eolas san ríomhphost seo, agus in aon ceanglán leis, faoi phribhléid agus faoi rún agus le h-aghaidh an seolaí amháin. D'fhéadfadh ábhar an seoladh seo bheith faoi phribhléid profisiúnta nó dlíthiúil. Mura tusa an seolaí a bhí beartaithe leis an ríomhphost seo a fháil, tá cosc air, nó aon chuid de, a úsáid, a chóipeál, nó a scaoileadh. Má tháinig sé chugat de bharr dearmad, téigh i dteagmháil leis an seoltóir agus scríos an t-ábhar ó do ríomhaire le do thoil.

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