

From: margot.cronin@marine.ie
To: [Ciara Maxwell](#)
Cc: [Suzanne Wylde](#); [Terry McMahon](#)
Subject: FW: Dept of Ag Dingle sediment analyses S0029-01
Date: 11 July 2017 09:57:38

Hi Ciara,

I've reviewed the sediment chemistry submitted for Dingle. Unfortunately, there are some issues here making the assessment difficult.

1. The analysing laboratory selected did not meet the required limits of detection for TBT, PCB, PAH, as set out in the sampling and analysis plan.
2. No Certified Reference Materials (CRM) results were provided for copper, cadmium, lead, PAH, PCB or OCP (as were requested in the sampling and analysis plan).
3. It is likely that some of the CRM results should have led to repeat of the runs, as the measured values were obviously inaccurate, e.g TBT and possibly nickel and chromium, although as the sediment was not subject to complete digest it's not really possible to compare chromium results accurately.
4. Moisture results are dubious, with several samples apparently having more than 100% moisture.

The application applies to approx. 120,000 tonnes of material to be dumped at sea but I haven't been able to ascertain exactly how much of this material lies in the inner harbour. There's evidence of contamination from mercury, chromium, copper, lead, nickel, zinc, PCB and PAH in the inner harbour area, especially in relation to samples 7, 8 & 9 though, unfortunately, due to the absence of reliable quality assurance, it's not possible in some cases to make a confident assessment of whether it is Class 2 (slight/moderate) or Class 3 (severe). For that reason, I would recommend to err on the side of caution and consider the application of management techniques to the material from the inner harbour in order to minimise any potential environmental risk from the material at the dumpsite.

Samples from the approaches (samples 1 – 3) appear to be essentially clean, with most determinands categorised as low Class 1, which should allow for uncertainty within the assessment.

If you require clarification on anything, give me a shout.

Best regards,
Margot

From: Ciara Maxwell [<mailto:c.maxwell@epa.ie>]
Sent: 26 June 2017 13:03
To: Margot Cronin <margot.cronin@marine.ie>
Cc: Noeleen Roche <n.roche@epa.ie>; Grainne Power <G.Power@epa.ie>
Subject: Dept of Ag Dingle sediment analyses S0029-01

Hi Margot,

Please find attached material analysis results from sediment sampling undertaken at Dingle, Co. Kerry.

The applicant proposes to undertake suction hopper dredging of the approach channel and turning area of Dingle harbour.

The full application can be viewed on our website at this [link](#).

I would appreciate if you could review the data and return any comments to me by **14th July 2017** please as the applicant has advised me that they wish to commence tendering for contracts soon.

Regards,
Ciara

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