

Eve O'Sullivan

Subject: Sediment Sample Analysis results from Enterprise Ireland and RPII

From: margot.cronin@marine.ie

Sent: 01 October 2012 17:52

To: Tara Higgins

Cc: Terry McMahon; Francis X O Beirn

Subject: RE: Sediment Sample Analysis results from Enterprise Ireland and RPII

Tara,

Re: Shannon Foynes (Reg. No. S0009-02).

Samples from within and at the entrance to the Ted Russel dock showed concentrations of arsenic, lead, nickel and zinc to be marginally elevated above background. Two of the samples also showed marginally elevated levels of cadmium. In all cases, the elevated concentrations are just slightly above the lower guidance level. Normalisation against Al indicates that the nickel concentrations are representative of background geology.

The amount of material to be dredged and dumped from the Ted Russel dock is considered relatively small (6000 te). The practice followed for the dumping of this material is to take the first load to dumpsite a and the next to dumpsite b, and so on and so forth. These dumpsites have been used previously for the licenced disposal of dredged material from the same locations. The material dredged from the approach channel (up to 120 000 te) will also be treated in a similar fashion.

Given:

- the relatively low quantity of material from the wet dock;
- that two dumpsites are proposed for use;
- that both sites have been previously licenced and used for disposal of dredged material; and
- and the fact that the cleaner material from the approach channel will also be disposed of in a similar fashion,

I do not believe the sediment chemistry precludes dumping at sea in the manner described in the application.

If you require further clarification just let me know.

Best regards,

Margot

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