Maritime & Coastguard Agency activity confirmation

From: Liliana Udrea
Sent: 20 October 2022 16:38
To: navigation safety <navigationsafety@mcga.gov.uk>
Subject: RE: RAF Pembrey, MCA activity confirmation

Dear Sam,

Thank you for getting back to us.

We can confirm our acceptance of the below risk mitigation.

Kind Regards,

Liliana Udrea MEng (Hons)
Estimator

07706 311817
liliana.udrea@robertnicholas.com
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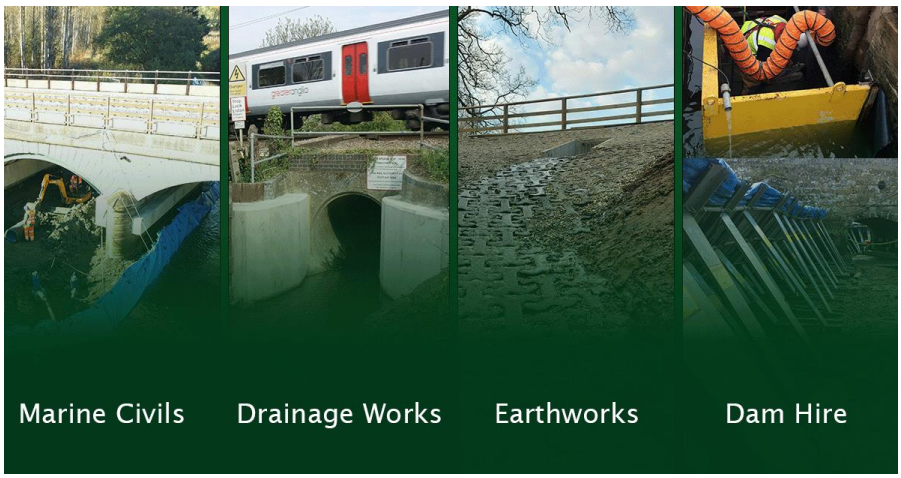

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From: navigation safety <navigationsafety@mcga.gov.uk>
Sent: 11 October 2022 15:47
To: Liliana Udrea <Liliana.Udrea@robertnicholas.com>
Subject: RE: RAF Pembrey, MCA activity confirmation

Dear Liliana,

Thank you for your email regarding the band 1 application for the clearing of tidal valve at Pembrey.

It is our understanding that the application is for clearing sand, shales and beach debris around the tidal valve that takes surface water drainage from the site and airfield.

On the understanding that the following risk mitigation measures take place, we would be content that the risk to shipping and navigation is relatively low on this occasion:

1) all maritime safety legislation is complied with;
2) Local mariners and fishermen's organisations must be made fully aware of the activity through a local notification. This must be issued at least 5 days before the commencement of the works.
3) Zone28@hmcg.gov.uk must be notified prior to commencement of activities.
4) Bunding and/or storage facilities must be installed to contain and prevent the release of fuel, oils, and chemicals associated with plant, refuelling and construction equipment, into the marine environment.

Please can you confirm your acceptance of the above risk mitigation.

Kind Regards

Sam Chudley

Maritime Licence Advisor
Marine Licensing and Consenting
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Maritime & Coastguard Agency

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From: Liliana Udrea <Liliana.Udrea@robertnicholas.com>
Sent: 10 October 2022 13:16
To: navigation safety <navigationsafety@mcga.gov.uk>
Subject: RAF Pembrey, activity confirmation

Good afternoon,

We have received advised form the marine licencing team that we have identified for band 1 application, and this must be supported by correspondence from the Maritime and Coastguard Agency confirming that the works will not pose a risk to navigation.

The works we are to undertake, isolating and inspecting the tidal flap valve require us to use mechanical methods to clear silts from the existing seaward concrete invert and channel of the flap valve. We would likely use a 14t long reach excavator to perform the clearance. Following which we would install the temporary dams and over pump the riverine flow into the marsh. This will allow us to access the flap valve for inspection, and if possible, repair.

Please see below brief description of sequence of works:

We have been asked to undertake a detailed survey of a tidal flap valve at RAF Pembrey, (National grid reference SN 40070 04669) which is not functioning correctly. The flap appears to have jammed and is apparently causing a localised flooding issue on the upstream.

We have undertaken a visual inspection, but believe we need to fully dewater and isolate the structure to assess condition and effect repair, with repairs assumed to be delivered under a separate attendance.

The watercourse passing through the tidal flap valve is on the main river Gwendraeth Fawr and it discharges into the tidal basin.

For the survey works we need to gain access to both the upstream and downstream, which means diverting the footpath access and setting up temporary dams and over pumping across the footpath which is on the flood embankment. We have estimated that our team will be on-site for 8 days, to allow for all enabling, inspection and reinstatement works.

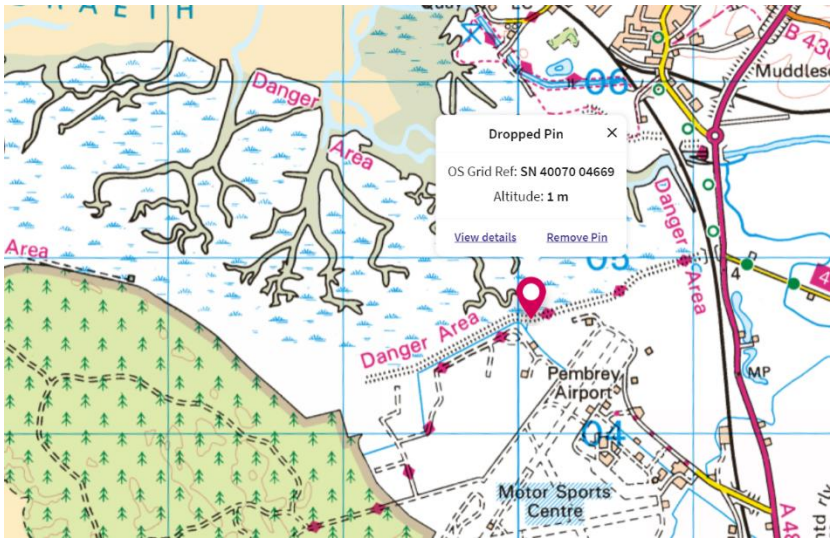
Once we have good access to the site, our team will start the first phase of desilting on both upstream and downstream sections by using a 14t long-reach excavator. This will allow us to install on each side a 4m Geodesign temporary dam, estimated 1.80m water control height, so we can isolate the works and enable the pumps set up. We have included one 6" submersible pump for over-pumping the area and supported by 2 x 4" submersible pumps to dewater and maintain the survey area.

As soon as we have good access and visibility to the tidal flap valve, our engineer will undertake the inspection and take photos and measurements of the structure. A topographic survey will be performed at the same time as the survey. Accurate dimensional data of the structure and surrounding area will be required to inform any changes to the flap valve arising from inspection and support consents for permanent works.

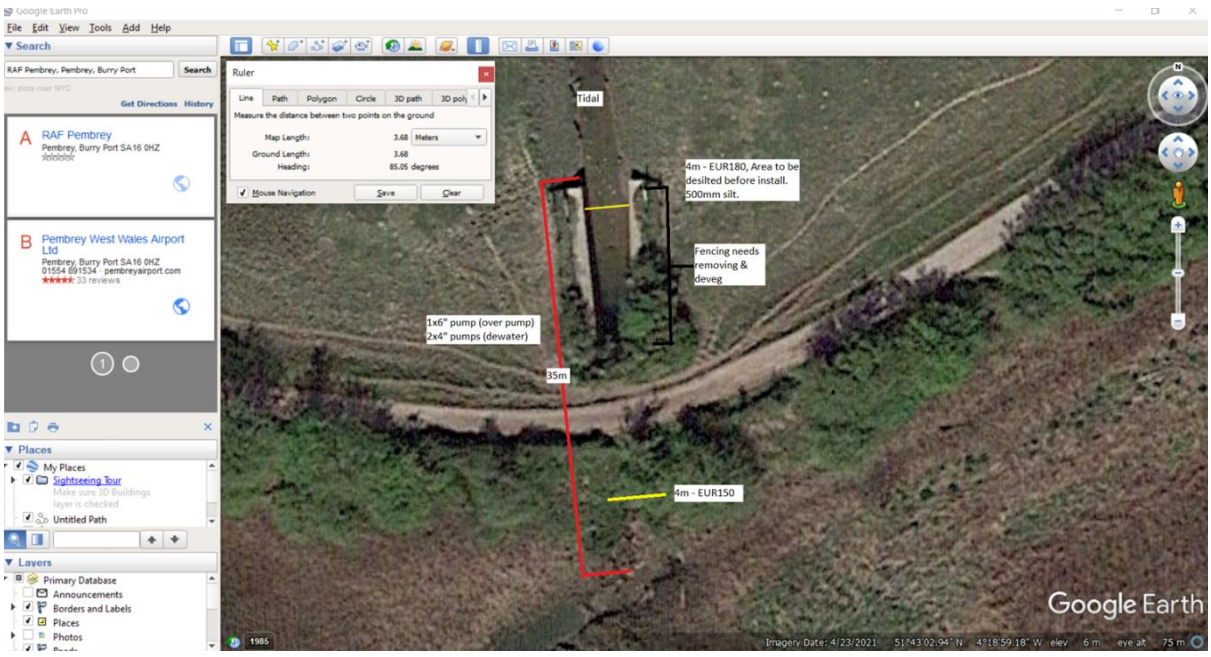
We would propose dredged material is disposed of on site, along the banks for the watercourse from which it was dredged, subject to approval under permit. The actual clearance of sediment likely only being a couple of hours, a day at most depending on the complexity of getting a machine above/near it.
We estimate that approximately 9m3 of material needs removing to gain access to the sluice

On completion of the inspection, our team will reinstate the removed section of the fence and clear the site.

The works are seaward of the Mean High Water Spring Line. See location plan below. The Magic map and can see that the location is within a Special Areas of Conservation (SACs) with marine components.



Please also see below sketch that shows the local extent of works.



Thank you for your support.

Kind Regards,

Liliana Udrea MEng (Hons)
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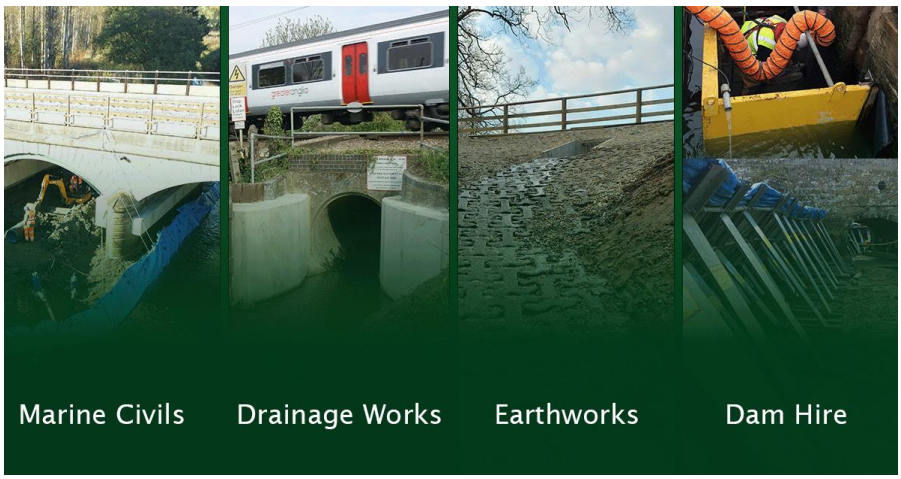

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