

Method Statement Template

This template is intended to be used in conjunction with a Band 1 Marine Licence application. Please complete each section below following the guidance provided (max 500 words per section). For any queries relating to this template please contact: marinelicensing@cyfoethnaturiolcymru.gov.uk

1. Summary

Please provide a brief summary of the application including location of the works (coordinates - lat/long, decimal degrees). For activities that cover a large area please provide coordinates of the approximate extent of works.

Replacement of Sudbrook Pumping Station Tidal Flap for a security screen to prevent trespass to the pumping station discharge culvert.

Removal of the existing timber frame will be carried out by hand and lifted out with an excavator from the shore embankment. The new trash grille is to be lowered in by the excavator and drill and fixed onto the existing outfall structure.

Minor repointing/repair works may be required to the existing brickwork of the outfall structure. This will be determined by an inspection following the removal of the timber framework.

Small area of vegetation will be cleared to install a proprietary staircase for access to the foreshore.

A temporary proprietary scaffold system will be put in place to provide access to working at height. Anchor points will be fixed into the outfall structure to provide restraint for operatives whilst working in the flow of the outfall discharge.

The location of the works is at:

Ordnance Survey Grid Reference: ST50819 87478

2. Scope of works

Please provide a full description of all proposed works including:

- Sequence of works (mobilisation, marine works, site remediation (if required))*
- Estimated timing of works (duration, working hours, day/night, plus contingency)*
- Plant, machinery or vessel required*
- Estimated quantities (removals, deposits, construction materials)*

Mobilisation

De-veg area of existing embankment to install proprietary staircase for access to the foreshore, and excavator access to the top of the outfall structure. The top of the outfall structure is situated above MHWS. Prior to de-vegetation works being carried out an ecology survey will be carried out to identify any restrictions/recommendation the works will have on local flora and fauna. De-veg works will be carried out using

Temporary Works

A temporary proprietary scaffolding system will be installed in front of the outfall to provide access to working at height. Anchor point will be drilled and fixed into the existing masonry of the structure to provide restraint to operatives working within the discharge flow.

Grab line to be installed and the end of the structure wing walls as secondary safety measure.

Permanent Works

Existing timber framing of the tidal flap is to be unbolted by hand and lifted out of position by the excavator above the structure.

Inspection to be carried out to identify any masonry/brickwork repairs.

If required, masonry repairs to be carried out in accordance with Network Rail Standard Detail. (See 162978-6.23.1_NRD_FRM_NCD_ECV_000001 appendix 'B' for detail)

New security screen frame to be lowered into position by the excavator.

Holes to be marked and drilled using SDS drill.

Frame to be fitted and bolted using chemical anchor resin

Screen to be lowered into position by excavator and fitted to frame.

Demobilise

Remove temporary scaffold system

Remove temporary anchors and grab line

Remove proprietary staircase from foreshore embankment.

Working Time and Durations

All works are planned to be carried out w/c 22nd March 2021 and are planned to be completed by Friday 26th March.

Works will be carried out between 0800hrs and 1600hrs

The above timescale will correspond to a period of neap tides; therefore, the works will be unaffected by the tides.

A time contingency has been allowed for within the application in the unlikely event that the works are prolonged.

3. Access and working areas

Please provide details of access to the site and working areas. This should include:

- *Attached map of the access/egress route and working areas (annotated aerial image and/or OS map)*
- *Predicted plant/vehicle movements*
- *Storage areas for plant, equipment and materials (if required)*
- *Risks to navigation*

The attached site plan 'Sudbrook Tidal Flap Site Plan' identifies access points and proposed plant movements around the site.

Plant movement will be kept to a minimum as only minor lifting works will be required when removing the existing timber frame and installing the new security screen.

The excavator will be stored adjacent to the site access point during out of hours and secured with heras fence panels. All small tools and material will be stored in operatives' vans which will be taken from site at the end of each working day.

4. Environmental mitigation

Please list appropriate mitigation measures to minimise impacts on the marine environment these may include:

- *Pollution prevention and control procedure (guidance available at: <http://www.netregs.org.uk/media/1304/gpp-5-works-and-maintenance-in-or-near-water.pdf>)*
- *Spill response kits*
- *Minimise plant traffic*
- *Designated access and egress routes*
- *Storage of materials (fuel, chemicals, construction waste)*
- *Biosecurity (guidance available at <http://www.snh.gov.uk/docs/A1294630.pdf>)*

Note: To assist you, the following mitigation statements will be used as conditions within the licence. By signing this method statement you will be agreeing to adhere to these restrictions. If you are unable to do this, the application will not qualify as Band 1.

- ✓ All equipment, temporary structures, access tracks, waste and/or debris associated with the works will be removed on completion of the works.
- ✓ Bunding, storage facilities and spill kits will be employed to contain and prevent the release of fuel, oils and chemicals associated with the plant, refuelling and construction equipment into the marine environment.
- ✓ Plant, vehicles and machinery will not be refuelled on the foreshore.
- ✓ Coatings and treatments will be suitable for use in the marine environment and are used in accordance with best environmental practice.
- ✓ All equipment, materials, machinery and PPE used will be in a clean condition prior to their arrival on site, and upon removal from site, to minimise risk of introducing non-native species into the marine environment.
- ✓ In the event of removal of any sensitive species or habitat designated by NRW under Schedule 7 of the Environment (Wales) Act 2016, no further removals will occur at that location or within 20m of that location.

Please list your bespoke mitigations here:

- Ecological survey to be carried out by a certified ecologist prior to commencement of the works.
- Works shall comply with all recommendations/restrictions identified in the ecological survey report.
- No refuelling of plant on the foreshore or within 10m.
- Plant movements to be kept to a minimum.
- All plant to be stored on drip trays/ plant nappies when not in use.
- All plant to be switched off when not in use.
- Spill kits to be available with each item of plant, with spill kit size appropriate for the item of plant.
- Operatives to be trained in the use of spill containment and disposal.

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- All plant, PPE and shall be cleaned prior to introduction to site and prior to removal. This is to mitigate the potential for the introduction of non-native species to the marine environment.
- Any invasive species in the area will be identified within the ecologist survey, and restrictions/recommendations made within the ecology report.
- All materials shall be stored within operatives' vans, which will be removed from site at the end of each working shift.

5. Additional Information

Please list any additional information that may help with the application:

- *Consents/permissions required*
- *List of plans or drawings attached to method statement*
- *Emergency procedures*
- *Contact details*

A Band One Marine Licence will be required.

Supporting Documentation

- 162978-6.23.1_NRD_FRM_NCD_ECV_000001 – Sudbrook Tidal Flap Design Delivery
- Sudbrook Tidal Flap Location Plan
- Sudbrook Tidal Flap Site Plan
- E-mail chain: Sudbrook Pumping Station - Tidal Flap

Site Contact Details

Jason Davies: 07715068327 Jason.Davies@dyerandbutler.co.uk
Dewi Williams: 07525809716 Dewi.Williams@dyerandbutler.co.uk

6. Customer details

Signature:



Full name: Dewi Williams

Organisation name (where appropriate): Dyer and Butler Ltd.

Contact e mail: dewi.williams@dyerandbutler.co.uk

Contact phone number: 07525809716