

**Marine Works (Environmental Impact Assessment) Regulations 2007 (as amended), Regulation 22  
- EIA Consent Decision**

**Title:** Removal of the redundant length of the St Mellons Combined Sewer Overflow (CSO) Marine Outfall

**Regulatory Approval:** Marine Works (Environmental Impact Assessment) Regulations 2007 (as amended)

**Operators:** Morgan Sindall (Infrastructure) Plc

**Report No:** Ref: CRML1341

**Location:** St Mellons CSO – grid ref: 25276 78910

## **Introduction**

This document constitutes an EIA consent decision under Regulation 22 of the Marine Works (Environmental Impact Assessment) Regulations 2007 (as amended) (MWR), in respect of an application submitted by Morgan Sindall (Infrastructure) Plc. The application was supported by an Environmental Statement. The Marine Licensing Team has considered the application and information provided in support of the application and is now in a position to make an EIA consent decision to Morgan Sindall (Infrastructure) Plc.

## **Project Description**

Morgan Sindall (Infrastructure) Plc has applied for a Marine Licence to for the removal of a long sea outfall pipeline.

Works that require a Marine Licence under Marine and Coastal Access Act (2009) will involve:

- The removal of redundant sections of the long sea outfall pipeline;

## **The Environmental Statement**

The Environmental Statement outlined possible impacts as summarised below and detailed in documents references: Volume I: Non Technical Summary – 21<sup>st</sup> August 2013 and Volume II: Environmental Statement and Appendices – 21<sup>st</sup> August 2013.

## **Environmental Impacts**

### **Coastal Processes & Geomorphology**

The Coastal Processes and Geomorphology assessment considered the potential effects of the proposed development on coastal hydrodynamics and geomorphology during construction and operation. The changes and effects on coastal processes were considered negligible. The same conclusion was reached for the operation phase of the development, as the new discharge consent location and the absence of the pipeline is expected to result in negligible and temporary changes in local seabed elevation and sediment transport patterns.

### **Water and Sediment Quality**

The Water and Sediment Quality assessment considered the potential effects on water and sediment quality as a consequence of the proposed development during its construction and operation phases. For both construction and operation phases of the development, the effects on water and sediment quality were considered negligible. This is based on construction activities lasting for a short duration and over a relatively small area. Hence, this should result in a very brief and highly localised sediment disturbance and suspended sediment load.

Since the natural environment of the estuary is characterised by frequent and regular sediment exchanges between the seabed and water column, construction effects should not be discernible from the existing conditions. The WFD Compliance Assessment also concluded that the proposed development is compliant with WFD requirements, based on the sensitive construction

methodology and no change in the existing discharge characteristics.

### **Flora and Fauna**

The Flora and Fauna assessment considered the potential construction and operational impacts on ecological features of the Severn Estuary from the proposed development. The assessment has determined that the proposed development would have a negligible impact on flora and fauna due to the small scale nature of the proposed works, the limited potential for disturbance and the large expanse of alternative habitat present within the Severn Estuary.

### **Historic Environment**

The Historic Environment assessment considered the potential construction and operation impacts on historic features from the proposed development. The assessment indicated that any archaeological remains are likely to have been impacted on by the original construction of the outfall pipe. Therefore, the likely effect of the proposed development is assessed as negligible. Mitigation and residual effects include sensitive construction methods to reduce the likelihood that the proposed development would impact upon any archaeological remains.

## **Consultation**

### **Public Notices**

The public notice was advertised in the South Wales Argus on the 28<sup>th</sup> of October and 11<sup>th</sup> November 2013 to notify interested parties of the proposed works and to give interested parties an opportunity to make representation on the application as necessary. No public representations were received.

The marine works application was consulted on 7<sup>th</sup> October 2013 and sent to the following:

The Natural Resources Wales – ‘advisory functions’ (NRW) , The Centre for Environment, Fisheries and Aquaculture Science (Cefas), Ministry of Defence (MoD) , Maritime and Coastguard Agency (MCA), The Crown Estate (TCE), Local Planning Authority (LPA), Local Harbour Authority (LHA), Local Biodiversity Officer (LBO), Royal Yachting Association (RYA), Royal Society for the Protection of Birds (RSPB), Welsh Government Fisheries Branch, Marine Enforcement Officers (MEO). Cadw (Cadw), Trinity House (TH) and The Glamorgan-Gwent Archaeological Trust Ltd.

### **Representations Received**

As a result of the technical consultations a number of representations were received as outlined below. Each comment requiring a response has been sent to the applicant for comment on which the technical advisor provided additional comments. Marine Licensing Team comments for each issue can be found at the end of each section.

## **The Local Harbour Authority:**

### **Comments dated 26/04/13:**

ABP South Wales have no comments on the proposal other than the need to issue a Notice to

Mariners prior to the works commencing.

*MLT response: Noted*

## **Maritime & Coastguard Agency:**

**Comments dated 01/11/13:**

The proposal has been examined by staff of the Navigation Safety Branch and it can be noted that the works are unlikely to have an adverse impact, with regards to safety of navigation, provided:

1. A copy of this consent must be given to each contractor appointed to carry out part or all of 'the works' in order that they are clear about the extent of 'the works' for which consent has been given and the conditions that are attached to the consent.
2. The Consent Holder should ensure appropriate steps are taken to minimise damage to the beach/foreshore/river bank/seabed by the works.
3. The Consent Holder should ensure that any equipment, temporary works and/or debris associated with the works are removed from the foreshore upon completion of the works.
4. The Consent Holder should ensure the best method of practice is used to minimise re-suspension of sediment during these works.
5. The Consent Holder should ensure suitable bunding, storage facilities are employed to prevent the release of fuel oils, lubricating fluids associated with the plant and equipment into the marine environment.
6. The Consent Holder must ensure the beach/foreshore/riverbank/seabed is returned to the original profile, or as close as reasonably practicable, following the completion of the works.
7. The Consent Holder should ensure the local mariners' and fishermen's organisations are notified.
8. The Consent Holder should notify the UK Hydrographic Office to permit the promulgation of maritime safety information and updating of nautical charts and publications.
9. If in the opinion of the Secretary of State the assistance of a Government Department, including the broadcast of navigational warnings, is required in connection with the works or to deal with any emergency arising from the failure to mark and light the works as required by the consent or to maintain the works in good order or from the drifting or wreck of the works, the owner of the works shall be liable for any expense incurred in securing such assistance.
10. Officers of the MCA, or any other person authorised by the Secretary of State, should be permitted to inspect the works at any reasonable time.
11. The works, and any associated temporary works, should be marked and lighted in accordance with the requirements of the General Lighthouse Authority in this case Trinity House Lighthouse Service.

If these conditions are met I am able to advise you that the Maritime and Coastguard Agency (MCA) has no objection to consent being granted provided that measures are also taken to ensure that details of the proposed works are promulgated to maritime users through notice to mariners and/or navigational warnings.

Please note, however, that a charge will be levied on the developers where appropriate, by MCA, for the transmission of maritime safety information, via Navtex or Coastguard VHF radio network, in respect of the proposed works. Agreement by the developers to pay any such charges should, ideally, be a condition of the consent if they are likely to be used.

**MLT response:** We are in agreement and relevant conditions and advisory comments have been included in the marine licence and covering letter respectively.

## **Royal Yachting Association:**

### **Comments received 13/11/13:**

The RYA has no comments/objections to make to the above application.

## **Natural Resources Wales:**

### **Comments received 15/11/13:**

Thank you for your Marine licence consultation dated 7 October 2013 for the above proposal. The comments in this letter are from the Cardiff and Newport District Team and the Environmental Planning Team in Natural Resources Wales (NRW).

We note that Dŵr Cymru Welsh Water (DCWW) are seeking planning permission from Newport City Council (NCC) for works located landward side of Mean Low Water (MLW) and a Marine Licence is sought from NRW for works located seaward of Mean High Water Springs (MHWS). Therefore there is overlap between the two permissions being sought as detailed on Figure 2.1 'Site location'.

***In summary, we concur with the conclusion of the Habitats Regulations Assessment and Environmental Statement, that providing the proposals are carried out in the manner and location specified, NRW is of the view that they are not likely to have a significant effect on the Severn Estuary designated sites.***

We welcome the work that has gone into the Environmental Statement (ES) and Habitats Regulations Assessment (HRA) submitted with this consultation to detail the works proposed at the site and address the issues raised in our previous letters to Dwr Cymru Welsh Water (DCWW), Arup and NCC.

### **Protected Sites**

**Severn Estuary Special Protection Area (SPA), Special Area of Conservation (SAC), Ramsar site and Site of Special Scientific Interest (SSSI)**

The advice in this letter is offered by the Cardiff and Newport District Team (acting as the appropriate consultation body) to assist Marine Licensing in reaching a view on the possible significant effect of the works on the Severn Estuary European designated sites in the context of

Regulation 61 of the Conservation of Habitats and Species Regulations 2010.

### ***Over-wintering birds***

We welcome that works will not take place during the over-wintering bird period of the Severn Estuary (1 October-31 March). We note works are proposed to commence in early April 2014 and will take 8 -12 weeks, so this should provide ample time for works to be completed before the 1 October 2014. We therefore concur with the conclusion of the HRA, that the proposed works are not likely to have a significant effect on the over-wintering bird features of the Severn Estuary protected sites.

### ***Saltmarsh and mudflats***

We note that the removal of redundant sections of the St Mellons outfall pipe will take place from a barge. Arup confirmed in an email dated 22 October 2013 that the excavator will remain on the barge during all works and not be landed onto the mudflats. We understand that the minimum length of pipe that will remain in place is chainage 375m. Therefore the barge will avoid the area closer to shore where there is scattered saltmarsh habitat as outlined in Figure 7.2 'Phase 1 Habitat map'. We have no concerns with 25m wide route for the barge that is specified in Figure 2.3 'Site and surrounding area'. However, if this route is altered we recommend that NRW are re-consulted.

### **Conclusion on HRA**

We concur with the conclusion of the HRA, that providing the proposals are carried out in the manner and location specified, NRW is of the view that they are not likely to have a significant effect on the Severn Estuary Special Protection Area (SPA), Special Area of Conservation (SAC). Similarly providing the proposals are carried out in the manner and location specified, they are not likely to have a significant effect on the Ramsar Site.

### **Severn Estuary Site of Special Scientific Interest (SSSI)**

We consider that your email constitutes the giving of notice to NRW of proposed operations likely to cause damage to the Severn Estuary Site of Special Scientific Interest (SSSI) under section 28I of the Wildlife and Countryside Act 1981 (as substituted by section 75 and schedule 9 of the Countryside and Rights of Way Act 2000).

The comments made above with regards to the Severn Estuary European designated sites are applicable to the Severn Estuary SSSI, namely that providing the proposals are carried out in the manner and location specified there is unlikely to be a significant adverse impact on the SSSI.

### **Water Framework Directive**

We welcome that the Water Framework Directive (WFD) Assessment and section 5 of the ES (Coastal Processes and Geomorphology) covers the main objectives of a WFD assessment. We note the ES appears to show that longshore drift is not significant at this location, and therefore the removal of the long outfall pipe will subsequently have negligible impact on coastal geomorphology.

***MLT response:*** *We agree and have conditioned the marine licence where applicable. Please see 'conditions' below.*

### **Cadw:**

#### **Comments received 15/11/13:**

I am content that the ES is adequate. The proposed methodology involves lifting the pipe by barge,

which should negate the need for vehicle traffic over the sensitive areas of the mudflats.

Glamorgan-Gwent Archaeological Trust will be best placed to provide any further advice to the planning authority. It is unlikely that Cadw would have any concerns to raise over the marine license application

**MLT response:** *Noted*

### **Conditions**

Following consideration of all relevant information, including the ES and the outcome of the consultations, the Marine Licensing Team considers that the following conditions must be included in any licence granted for this project:

#### **8. Project Specific Conditions**

- 8.1 The Licence Holder must ensure appropriate steps are taken to minimise damage to the foreshore by the works.
- 8.2 The Licence Holder must ensure that any equipment, temporary works and/or debris associated with the works are removed from the foreshore upon completion of the works.
- 8.3 The Licence Holder must ensure suitable bunding, storage facilities are employed to prevent the release of fuel oils, lubricating fluids associated with the plant and equipment into the marine environment.
- 8.4 The Licence Holder must ensure the foreshore is returned to the original profile, or as close as reasonably practicable, following the completion of the works.
- 8.5 The Licence Holder must ensure the local mariner's and fishermen's organisations are notified at least 10 days prior to commencement of the works
- 8.6 If in the opinion of the NRW acting on behalf of the Licensing Authority the assistance of a Government Department, including the broadcast of navigational warnings, is required in connection with the works or to deal with any emergency arising from the failure to mark and light the works as required by the consent or to maintain the works in good order or from the drifting or wreck of the works, the owner of the works shall be liable for any expense incurred in securing such assistance.
- 8.7 The Licence holder must ensure Environment Agency Pollution Prevention Guidelines – works and maintenance in or near water: PPG5 - are adhered to at all times. Any incidents should be reported immediately to Natural Resources Wales using their hotline number: 0800 807060.
- 8.8 The Licence Holder must ensure that any coatings and/or treatment used is suitable for use in the marine environment and are used in accordance with best environmental practice, e.g. approved by HSE, EA Pollution Prevention Control Guidelines.
- 8.9 The Licence Holder must notify the UK Hydrographic Office to permit the promulgation of maritime safety information and updating of nautical charts and publications through the national Notice to Mariners system.

Through consideration of these, a full and detailed assessment has been made of the potential direct and indirect effects of the proposals on Coastal Processes and Geomorphology, Water and Sediment Quality, Fauna and Flora, and the Historic Environment including any risk to the integrity of nearby sites of conservation importance.

The Marine Licensing Team endorses the findings of the ES, subject to the inclusion in any licence issued of the conditions referred to above and compliance with them.

Accordingly, the Marine Licensing Team acting for and on behalf of the Licensing Authority concludes that the project will not have a significant adverse effect on the environmental. As such, a favourable EIA consent decision can be issued to Morgan Sindall (Infrastructure) Plc for marine works for the removal of sections of the St Mellons (CSO) long sea outfall.

**Sign off**


**Produced by:** Louise Wild – Senior Permitting Officer

**Signed:**



**Date:** 04/02/14

**Approved by:** Eleanor Smart – Marine Licensing Team leader

**Signed:** 

**Date:** 06/02/14