

Application for a Band 1 Marine Licence

Project description

Project name

Aberystwyth Coastal Defence Scheme (CDS) - Outline Business Case - Investigations

Please provide a brief description of the proposed project, including location.

Aberystwyth CDS Outline Business Case - Site investigations to inform detailed design. Aberystwyth is situated on the West Wales Coast.

We (Atkins Ltd) are working with Ceredigion County Council to investigate the feasibility of coastal defences at Aberystwyth with the aim of reducing coastal flooding. To progress the study we need to undertake site investigations on the promenade and on the beach. The trial pitting and boreholes on the promenade will be above high water (and are therefore not subject to a marine licence). However, hand dug sampling (with a bucket and spade) on the beach and inspections of sea wall foundations will take place in the dry during low tide. The investigations will also involve non-intrusive bathymetric and geophysical surveys by boat, using sensor equipment.

The details and locations are shown on the drawings included with this application. The 'Phase 1' investigations on the beach will involve machine excavated trial pits to determine sea wall foundation depths - no material sampling will be undertaken at these locations, and these will be reinstated using the original material. In addition, separate material samples on the beach will be undertaken in 'Phase 2' to obtain samples of the existing sand / shingle sediment in order to determine the particle size distribution of this beach material. These samples will be undertaken by hand. The retrieval of samples in 'phase 2' is a licensable activity.

Applicant details

To whom the licence will be issued. This must be a legal entity such as an individual, registered company/ charity or public body.

Title	Mr
Full name	Alan Haird
Company or trading name	Ceredigion County Council
Company Registration Number (if applicable)	As above
Name of contact or individual (if different)	As above
Position in company	Project Manager Coastal Defence Schemes
Address (provide registered company address if applicable)	Neuadd Cyngor Ceredigion
	Penmorfa
	Aberaeron
Postcode	SA46 0PA
Telephone number	01545 572070
Email address	Alan.Haird3@ceredigion.gov.uk

Details of agent, contractor, vehicles and/or vessels used to carry out works

Agent details

This is who we will correspond with unless otherwise informed. If no agent is identified we will contact the applicant.

Title	Mr
Full name	Matthew Tierney
Company or trading name	Atkins Ltd
Company Registration Number (if applicable)	00688424
Name of contact or individual (if different)	As above
Position in company	Associate
Address (provide registered company address if applicable)	West Glamorgan House 12 Orchard Street Swansea
Postcode	SA1 5AD
Telephone number	01792 633563
Email address	matthew.tierney@atkinsglobal.com

Does the applicant wish to be included in all correspondence?

Yes

Will the works require the use of vessels?

Yes

Will the works require the use of any vehicles?

Yes

Proposed project details

Licensable period

Determination of applications will be based on the works taking place during these dates. Please ensure you have included an adequate contingency period. If works are not completed by the requested licence expiry date you may be required to submit a new application. Including a contingency period within your original application does not impact on the licence fee.

Start date (DD/MM/YYYY) 27/10/23

Requested licence expiry date (DD/MM/YYYY) 31/12/25

Please detail the location of the proposed project.

This should be either Ordnance Survey National Grid Reference (i.e. SN 12345 67890) or Latitude and Longitude in decimal degrees to 4 decimal places (i.e. Lat 52.1234 Long -4.1234), defining the extent of the project. Please specify which coordinate system has been used and if using GIS co-ordinates, specify which projection has been used.

Aberystwyth
Marine Terrace
Aberystwyth
SY23 2AZ

Ordnance Survey National Grid Reference: SN 58280 82013

Method statement

Are the works within a sensitive area or one of the following activities: boreholes, replacement piles or beach management?

No

Method statement

Please give a brief method statement outlining the proposed project

The investigations are planned to take place outside of the busy summer period.

The investigations are planned to take place between October 2023 and December 2023, during daylight hours. Investigations on the beach will be at low tide i.e. undertaken in the dry. Total duration on site could be between 2 to 4 weeks for the land and beach based investigations and depending on tidal state at the time of the investigations. There are three types of investigations required - firstly taking small samples of beach material for lab testing, secondly, visual inspection of seawall foundations and finally bathymetric and geophysical surveys.

- For the beach sampling, the contractor will use a bucket and spade to retrieve samples of the existing sand and shingle at low water. These will be placed in bags and taken to a laboratory for testing. These are shown on plans numbered P2-HP-01 through to P2-HP-030 (30 locations). 3 kilograms of material is required at each location. The retrieval of samples is a licensable activity.
- Machine excavated trial pits to determine by visual inspection the sea wall foundation depths - no material sampling will be undertaken at these locations, and these will be reinstated using the original material. These are shown on plans numbered P1-TP-001 through to P1-TP-0015 (15 locations)
- The investigations will also involve non-intrusive bathymetric and geophysical surveys by boat at high tide, using sensor equipment.

The details and locations are shown on the drawings included with this application.

(Note that the drawings also show work on land which is not subject to the marine license i.e. the trial pitting and boreholes on the promenade which are above high water - P1-DCP-001 to P1-DCP-007 and P1-HP-001 to P1-HP-007.)

No scaffolding will be used for these investigations.

Please state the measures to be taken to minimise risk to the marine environment

The investigations are planned to take place outside of the busy summer period and in October. The contractor will use a bucket and spade to retrieve samples of existing sand and shingle at low water.

The contractor will ensure samples are only taken in the top 500mm of the beach.

Pre engagement has been undertaken with Dyfed Archaeological Trust, Royal Commission on the Ancient and Historical Monuments of Wales, Trinity House and the Maritime and Coastguard Agency. All stating that they agree with our conclusions of no impacts.

Please state the measures to be taken to prevent undue interference to others

The investigations are planned to take place outside of the busy summer period and in October. The contractor will use a bucket and spade to retrieve samples of existing sand and shingle at low water. These will be targeted to avoid any beach users.

In terms of the beach investigations, these will be planned at low tide and will be above low water, in the dry. Therefore, will not pose a risk to navigation.

We have discussed these investigations with Ceredigion County Council's harbourmaster and he has confirmed that he cannot foresee any impact on navigation.

The mitigation measures to be put in place will be a Notice to Mariners to advise when the investigations will take place and the likely duration.

Please state the measures to be taken to maintain navigational safety, including marking and lighting of works

The investigations and sampling on the beach will be undertaken at low tide in the dry, in daylight.

We have discussed these investigations with Ceredigion County Council's harbourmaster and he has confirmed that he cannot foresee any impact on navigation.

The mitigation measures to be put in place will be a Notice to Mariners to advise when the investigations will take place and the likely duration.

Pre engagement has been undertaken with Dyfed Archaeological Trust, Royal Commission on the Ancient and Historical Monuments of Wales, Trinity House and the Maritime and Coastguard Agency. All stating that they agree with our conclusions of no impacts.

Materials of the project

Delivery method of materials to site

If sea delivery, details of vessels to be used with a chart of proposed route and transshipment area is required. If delivery is by vehicle, the details about the proposed access route are required. Please indicate if you are providing details in a separate file.

No materials will be delivered to site.

The investigations will involve non-intrusive bathymetric and geophysical surveys by boat at high tide, using sensor equipment.

Will the works involve removals seaward of MHWS?

Yes

Description of materials to be removed seaward of MHWS (Please tick all that apply)

Gravel

Sand

Description of objects/materials to be removed seaward of MHWS, including quantities to be removed.

For the beach sampling (Phase 2 drawings - referenced as P2-HP-001 to P2-HP-030), the contractor will use a bucket and spade to retrieve samples of the existing sand and shingle at low water in the dry.

Additional information

Please provide the following:

You must include a suitably scaled extract of an Ordnance Survey Map or Admiralty Chart with location of project complete with north arrow and scale

You must include details of correspondence with MCA, Trinity House and The Crown Estate

You must include any pre application advice/correspondence with NRW

Correspondence with RCAHWW (B1 removals only)

Please upload these below

- File: Trinity House Response_020823.pdf - [Download](#)
- File: Maritime and Coastguard Agency Response_040823.pdf - [Download](#)
- File: RCAHWW Response_1_170723.pdf - [Download](#)
- File: DAT response 2_070823.pdf - [Download](#)
- File: North Beach - Phase 1.pdf - [Download](#)
- File: North Beach - Phase 2.pdf - [Download](#)
- File: South Beach - Phase 1.pdf - [Download](#)
- File: South Beach - Phase 2.pdf - [Download](#)

Please list below all supporting documents that have been submitted with this application.

Pre engagement responses from Trinity House, Maritime and Coastguard Agency, Dyfed Archaeological Trust and the Royal Commission on the Ancient and Historical Monuments of Wales are attached. These agree with our conclusions of no impacts.

Drawings showing the sampling locations referred to in the earlier part of the application are also attached. Refer to Phase 2 drawings for the North Beach and South Beach. Sampling locations indicated by reference P2-HP-001 to P2-HP-030.

Statutory powers

Does the applicant have statutory powers to consent any aspect of the project? e.g. coast protection authority, dredging powers, statutory undertakers

Yes

If yes, please give details and state the relevant legislation that gives these powers.

Aberystwyth Harbour Revision Act 1987

Coast Protection Authority (Coast Protection Act 1949) - Aberystwyth Promenade

Local Planning Authority

Public register

Is there any information contained within or provided in support of this application that you consider should NOT be included on the Public Register on the grounds that its disclosure:

	Yes	No
Would be contrary to the interest of National Security?		X
Would prejudice to an unreasonable degree you, or some other person's commercial interest or those of a third party?		X

Application fee

Please provide the method of payment

BACS

Reference number (not BACS remittance no.)

Ceredigion County Council ref: 00033569 (BACS 656760)

Declaration

I declare that to the best of my knowledge and belief that the information given in this application form and supporting documentation is true.

WARNING: It is an offence under the Marine and Coastal Access Act 2009, under which this application is made, to fail to disclose information or to provide false or misleading information. This could invalidate any licence granted.

Name Alan Haird

Date 01/09/23

Position in company Project Manager Coastal Defence Schemes

If you would like a copy of your completed form, please add your preferred email address below:

matthew.tierney@atkinsglobal.com