

MLA/2020/00506/2

Project summary

Application type

Please select the type(s) of application you are applying for.

If you wish to apply for a section 36 or 36A consent or a safety zone in addition to your marine licence application please tick the relevant box.

If you wish to also apply for consent under a local Act or Order please tick the Local Act consent box. Please explain which local Act or Order consent you are applying when giving details of the project background below. You should also upload a copy of the local Act or Order there too.

Application type

Marine licence

Please tick all additional application types that are relevant.

Additional application types

- Section 36 and Section 36A: Electricity Act 1989.
- Local Act Consent: Consent under a local Act or harbour order.

- Section 36
- Section 36A
- Local Act consent
- Safety zone

Project details

Project title

Enter the title of your project (max. 250 characters)

South Bank Quay - Phase 1

Project background

You should explain the background to the project. This should include the aims of the project, the need for the project, whether it forms part of a larger project and any other relevant information. (max. 2000 characters)

South Tees Development Corporation (STDC) is proposing to construct a new quay at South Bank in the Tees estuary (referred to hereafter as the proposed scheme). The proposed scheme is required to support STDC's landside proposals for general industry and storage or distribution uses within part of the South Industrial Zone (which has been subject to a separate planning application - reference R/2020/0357/OOM). It is envisaged that the new quay would be utilised predominantly by the renewable energy industry, as well as supporting more general industrial and storage/distribution activities.

In summary, the proposed scheme comprises demolition, capital dredging, offshore disposal of dredged material, placement of rock in the berth pocket and construction and operation of a new quay (to be set back into the riverbank).

The proposed scheme would require works in both the marine and terrestrial environments and requires Environmental Impact Assessment (EIA) in support of a marine licence application to the Marine Management Organisation (MMO) and a planning application to Redcar and Cleveland Borough Council (RCBC).

As the proposed quay is to be constructed in the riverbank (i.e. on land), construction of the new quay has not been included in this marine licence application.

The development of the proposed scheme is to be undertaken in phases. This marine licence application covers the works required for Phase 1 of the proposed scheme only. A separate marine licence application has been submitted for Phase 2 of the proposed scheme.

Programme of works

You should detail the proposed programme of works for the project. This should include proposed start and end dates for the overall project and individual elements of the project. It should also include details of any elements that need to be completed by a certain date and details of any time periods during which activities could not be carried out and the reasons for this. It should also include proposed working hours. (max. 2000 characters)

STDC is intending to commence construction of the facility during 2021 to enable operation of the facility by 2023 (an approximately three-year construction phase). Working hours are proposed to be 24 hours a day during the construction and operational phase. For the purposes of the EIA it has been assumed that construction works could be undertaken at any time of the year (i.e. no seasonal restrictions on works are proposed). Further detail regarding the proposed programme of works is outlined in Section 3.9 of the EIA Report.

Related consents and applications

Have any other applications been made to the MMO in relation to this project?

Yes No

Please give details (including application reference numbers if possible)

(max. 2000 characters)

An enquiry was submitted to the MMO in July 2020 with regard to the scope of the EIA - reference ENQ/2020/00103.

A sediment quality sampling plan request was submitted to the MMO to confirm the scope of sediment quality survey and analysis required - reference SAM/2020/00026

A marine licence application has been submitted for Phase 2 of the proposed scheme.

Has there been any other contact with the MMO in relation to this project?

Yes No

Please give details

(max. 2000 characters)

Email correspondence was undertaken with Adrian Clarke in October 2020 to advise that two marine licence applications are to be submitted rather than one. Adrian confirmed that he was clear on our proposed approach and that he would notify the Business Support Team to request that the applications are allocated to him.

Have any applications been made to or consents issued by other authorities in relation to this project?

This could include applications for planning permission, environmental permits, development consent orders, transport and works orders, marine licences or any other type of licence, permit or consent. This could also include consents from local authorities, Government regulators, harbour authorities, devolved administrations, other European countries and any other type of authority.

Yes No

Please give details (including the authority name, dates, application reference numbers and the status of the application or consent where possible)

(max. 2000 characters)

Applications for planning permission (one application for Phase 1 and a separate application for Phase 2) have been submitted to Redcar and Cleveland Borough Council in addition to this marine licence application.

Do you have statutory powers to consent or undertake without consent any aspect of this project?

This could include statutory powers of a coast protection authority, harbour authority or lighthouse authority or any other type of statutory powers.

Yes No

Is the project located within the jurisdiction of a statutory harbour authority?

This includes the jurisdiction of municipal, private and trust ports where they are a statutory harbour authority.

Yes No

Please give details

(max. 2000 characters)

The proposed scheme is located partly with the jurisdiction of PD Teesport as statutory harbour authority.

Applicant details

This is the person, company or organisation that will hold the licence.

Contact type

Select the Contact type. Individual should only be selected when the contact is not working on behalf of an Organisation.

- Individual
- Organisation

Trading title (if applicable)

Title

Mr

Forename

John

Surname

McNicholas

Organisation name

Reg number

SOUTH TEES DEVELOPMENT CORPORATION

Position in organisation

Contact within company

Postcode

TS17 6QY

Postal address

Cavendish House
Teesdale Business Park
STOCKTON-ON-TEES

Telephone number

Please enter numbers, brackets and the international symbol (+) if needed.

01642 527 162

Fax number

Please enter in format +00(0)0000 000000

Email address

Please enter a valid email address formatted as xx@xx.xx

John.McNicholas@southteesdc.com

Sustainable development

The MMO strongly advise that a strategic appraisal is completed. Issues that should be considered include:

1. Identification of any conflicts between the project and the relevant marine plan.
2. Identification of alignment of the project with the Marine Policy Statement and any relevant National Policy Statement.
3. Identification of the environmental, social and economic drivers for a project that have been identified through existing feasibility studies or discussions with other public bodies (e.g. Local Authorities or Local Economic Partnerships).
4. Identification of any potential issues that may arise due to UK law (e.g. Water Environment (Water Framework Directive) (England and Wales) Regulations 2017, Marine Strategy Regulations 2010, Conservation of Habitats & Species Regulations 2017), and how these can potentially be avoided, or mitigated, at the strategic level.
5. Identification of any priority issues that may need addressing with regard to cumulative effects.
6. Options appraisal undertaken by the applicant, and the social, economic and environmental reasoning behind why the preferred option has been chosen.

Marine policy and plans

This project must be assessed in accordance with the appropriate marine policy documents.

You can explore the English marine plans using this service (<https://www.gov.uk/guidance/explore-marine-plans>) to find information on plan policies, marine licenses, and environmental designations.

Please note: While the status of a marine plan is 'draft' the MPS remains the primary policy document. Where draft plans exist they are material considerations and marine licence applications will need to refer to the draft marine plan as well as the MPS.

The MMO is also responsible for marine licensing in other parts of the world in certain circumstances. Where this is the case you will need to demonstrate how your activity is in accordance with the Marine Policy Statement. You can find information on the Marine Policy Statement here (<https://www.gov.uk/government/publications/uk-marine-policy-statement>).

Please indicate which marine plan(s) and/or Marine Policy Statement you consider relevant to your project?

- South Inshore and Offshore Marine Plans
- East Inshore and Offshore Marine Plans
- North East Inshore and Offshore Marine Plans
- North West Inshore and Offshore Marine Plans
- South West Inshore and Offshore Marine Plans
- South East Inshore Marine Plans
- Marine Policy Statement (Somewhere else in the world)

Please detail how you considered that this project is in accordance with the relevant marine plan(s) and/or Marine Policy Statement

(max. 2000 characters)

A review of applicable national, regional and local planning policy has been undertaken and is presented in Section 4.9 of the EIA Report. Section 4.9.1 outlines how the proposed scheme is in accordance with the North East Inshore and Offshore Marine Plan.

Have you assessed this project with regard to other policy statements and spatial plans?

This includes national, regional and local policy and spatial plans.

Yes No

Please give details

(max. 2000 characters)

A review of applicable national, regional and local planning policy has been undertaken and is presented in Section 4.9 of the EIA Report.

Environmental impact assessment

Has an environmental statement been produced to support this project?

Environmental statements are required for projects of a type listed in the Marine Works (Environmental Impact Assessment) Regulations 2007. If you are not certain whether your project falls within this category, please contact us before proceeding with your application.

Yes No

Please give details

(max. 2000 characters)

An EIA has been undertaken and the findings are presented in the attached report. Due to the size, the EIA Report has been uploaded in parts comprising the main body and the appendices (Part 1 and Part 2).

Habitats regulations assessment

Have the effects of the project on European sites been considered?

Yes No

Please give details

(max. 2000 characters)

An assessment of the potential for the proposed scheme to affect sites designated for nature conservation has been undertaken. The assessment concluded that the proposed scheme would result in a likely significant effect on the Teesmouth and Cleveland Coast Special Protection Area (SPA) and Ramsar site. However, the effects and impacts of the proposed scheme are considered to be of sufficiently low magnitude that an adverse effect on the integrity of the SPA and Ramsar site would not occur (either alone or in-combination with other plans and projects). Please refer to Section 29 of the EIA Report where the assessment is presented.

Marine conservation zone assessment

Have the effects of the project on marine conservation zones been considered?

Yes No

Please give details

(max. 2000 characters)

The proposed scheme footprint is not located within or adjacent to an MCZ. The closest MCZ is located approximately 20km to the south at Runswick Bay; given the separation distance between the proposed scheme footprint and this MCZ, it is considered that there is no pathway for effect and MCZs have not been considered further.

Sites of special scientific interest

Have the effects of the project on sites of special scientific interest (SSSI) been considered?

Yes No

Please give details

(max. 2000 characters)

The proposed scheme footprint is located within the Teesmouth and Cleveland Coast SSSI which has been notified for a range of reasons. Impacts to the features of the Teesmouth and Cleveland Coast SSSI have been assessed within Section 6, 8, 9, 10, 11 and 12 of the EIA Report.

Water Framework Directive compliance assessment

Have the effects of the project been considered in accordance with the Water Framework Directive?

Yes No

Please give details

(max. 2000 characters)

A Water Framework Directive (WFD) compliance assessment has been undertaken for the proposed scheme and is presented in Section 28 of the EIA Report. The scoping stage of the assessment identified a number of WFD compliance parameters for the Tees coastal water body that could be at risk from the proposed activities, which were subject to further assessment.

Further detailed assessment of these activities was undertaken and determined that the above aspects would not cause deterioration in water body status, potential problems with respect to the ability of the water body to meet its objectives in the future or compromise the mitigation measures in place for the water body.

Consultation and advertising

Has public consultation taken place and/or has the project been advertised?

Yes No

Has consultation about the project with any other statutory body taken place?

Yes No

Please give details

(max. 2000 characters)

Consultation has been undertaken with Redcar and Cleveland Borough Council to confirm the scope of assessment required.

Informal consultation has also been undertaken with Natural England and the Environment Agency regarding the scope of ecological survey required as well as the approach to environmental assessment.

Licence summary

Do you consider this application to be for emergency activities?

Emergency activities are those undertaken for the protection of life, property or the environment from an imminent risk.

Yes No

Do you consider this application would qualify for the accelerated licensing process for dredging?

The accelerated licensing process applies to certain types of small-scale low-risk dredging activity.

Yes No

Proposed licence start date

01-JAN-2021

Proposed licence end date

31-DEC-2030

Site summary

Please provide the location of your proposed activities. Note that the responsibility for determining whether your proposed activities are below Mean High Water Springs (MHWS) rests with the applicant. If there is any doubt as to whether a site lies below MHWS you can undertake an independent survey to determine its location.

Use the 'Add/edit site(s)' button below to add one or more more locations to your application.

Next use the 'Add activity' button to add activities to your locations. (NB this option only appears once a location is created).

Basic examples:

Dredging at RiverA. Create one site for RiverA and add dredging as an activity.
 Dredging and quay wall improvements at RiverA. Create 2 locations: one for the dredging in front of the new quay area and one for the quay wall improvements.
 Dredging at RiverA and removal of large concrete block within the dredge area. Create 1 location and add two activities: 1 activity for removal and 1 activity for dredging.

Additional functions:

Subsites, Holes and Exclusion Zones can also be used more guidance is available in the 'Help' guide.

Activities:

When an activity is added to a site it is listed in a table. Click on the activity name in the table or use the links on the left hand side of this screen to navigate to the activity screen where you can provide your method statement and other information.

If you delete a site, the activities linked to it will still be visible on this screen. You must delete these activities or move them to a valid site.

If you would like any advice on using this form or structuring your application please contact us.

Sites

Please see included locations.kml file for detailed site locations.

TEES BAY C

Site sensitivities

You should provide details of any protected areas (European or Ramsar sites, marine conservation zones, sites of special scientific interest, areas of outstanding natural beauty etc) and protected features (scheduled monuments, protected wrecks etc). You should also provide details of other areas and features of social, economic or environmental value. This could include shipping lanes, fishing grounds, recreational sailing areas, material assets, unprotected habitats and species and any other feature. (max. 2000 characters)

List of activities at this site

Activity	Site	Activity type	Actions
Disposal of dredged material from Phase 1	TEES BAY C	Disposal of dredged material	

Tees Dock turning circle - dredge

Site sensitivities

You should provide details of any protected areas (European or Ramsar sites, marine conservation zones, sites of special scientific interest, areas of outstanding natural beauty etc) and protected features (scheduled monuments, protected wrecks etc). You should also provide details of other areas and features of social, economic or environmental value. This could include shipping lanes, fishing grounds, recreational sailing areas, material assets, unprotected habitats and species and any other feature. (max. 2000 characters)

List of activities at this site

Activity	Site	Activity type	Actions
Capital dredging of the Tees Dock turning circle	Tees Dock turning circ...	Navigational dredging (capital)	

Channel and berth - dredge and excavation

Site sensitivities

You should provide details of any protected areas (European or Ramsar sites, marine conservation zones, sites of special scientific interest, areas of outstanding natural beauty etc) and protected features (scheduled monuments, protected wrecks etc). You should also provide details of other areas and features of social, economic or environmental value. This could include shipping lanes, fishing grounds, recreational sailing areas, material assets, unprotected habitats and species and any other feature. (max. 2000 characters)

List of activities at this site

Activity	Site	Activity type	Actions
Capital dredging - channel and berth pocket	Channel and berth - dr...	Navigational dredging (capital)	

Demolition area

Site sensitivities

You should provide details of any protected areas (European or Ramsar sites, marine conservation zones, sites of special scientific interest, areas of outstanding natural beauty etc) and protected features (scheduled monuments, protected wrecks etc). You should also provide details of other areas and features of social, economic or environmental value. This could include shipping lanes, fishing grounds, recreational sailing areas, material assets, unprotected habitats and species and any other feature. (max. 2000 characters)

List of activities at this site

Activity	Site	Activity type	Actions
Demolition of existing infrastructure	Demolition area	Other removals	

Berth pocket - rock placement

Site sensitivities

You should provide details of any protected areas (European or Ramsar sites, marine conservation zones, sites of special scientific interest, areas of outstanding natural beauty etc) and protected features (scheduled monuments, protected wrecks etc). You should also provide details of other areas and features of social, economic or environmental value. This could include shipping lanes, fishing grounds, recreational sailing areas, material assets, unprotected habitats and species and any other feature. (max. 2000 characters)

List of activities at this site

Activity	Site	Activity type	Actions
Placement of rock with the berth pocket pl...	Berth pocket - rock	Other deposits	

TEES BAY C - Disposal of dredged material from Phase 1

Site

Please see included locations.kml file for detailed site locations.

Activity details

Activity type

Please select the type of activity that would take place. If more than one activity would take place you should enter the details of one activity here and then add another activity.

Activity type

Deposit of any substance or object

Activity subtype

Disposal of dredged material

General

Activity title

Enter the title of this activity (max. 250 characters)

Disposal of dredged material from Phase 1

Activity description

You should include a detailed description of the activity. For construction activities, this should include the dimensions of the works and materials to be used. (max. 2000 characters)

The marine sediments to be dredged as part of Phase 1 of the proposed scheme are to be disposed of at the Tees Bay C disposal site. Approximately 820,000m³ of dredged material is anticipated during Phase 1, with 170,000m³ from Tees Dock turning circle and 650,000m³ from the channel and berth pocket.

Activity methodology

Your method statement should clearly explain how you are going to carry out the activities providing detail on any materials and plant to be used as well as proposed programme timings. (max. 2000 characters)

The dredging vessel and barges would transit to the disposal site where the dredged material would be deposited before transiting back to the dredge area. This cycle would be undertaken until the activity is completed. Dredging and disposal is proposed to be undertaken 24 hours a day.

Activity start date	Activity end date
01-JAN-2021	31-DEC-2030

Activity programme

You should detail the proposed programme of works for the activity. This should include proposed start and end dates for the activity. It should also include details of any elements that need to be completed by a certain date and details of any time periods during which the activity could not be carried out and the reasons for this. It should also include proposed working hours. (max. 2000 characters)

The programme for the dredge and disposal activity is dependent on the equipment to be used by the Contractor. However, for the purposes of the EIA, it has been assumed that the dredge and disposal activity would take approximately five months. Dredging and disposal activities are proposed to be undertaken 24 hours a day.

Potential impacts

You should detail the potential impacts this activity may have. This should include social, economic and environmental impacts. If this has already been detailed elsewhere in the application it is sufficient to reference that. (max. 2000 characters)

An assessment has been undertaken to determine the potential impacts as a result of offshore disposal of dredged material (see Section 26 of the EIA Report). The disposal of dredged material is predicted to have a negligible impact on fisheries, marine ecology and marine mammals, and no impact on navigation.

Proposed mitigation

You should detail the mitigation you propose in response to the potential impacts. This should include a detailed explanation of the mitigation measure and evidence to demonstrate that the mitigation is likely to be successful. If this has already been detailed elsewhere in the application it is sufficient to reference that. (max. 2000 characters)

No mitigation measures are required.

Residual risks

You should detail the residual risks from the activity following the mitigation. This should include an assessment of the significance of the risks and evidence to show why these risks cannot be avoided or further mitigated. (max. 2000 characters)

No significant residual impacts are predicted. A worst case residual impact of negligible significance is predicted.

Additional supporting information

You should use this section to provide any further information about this activity that you wish to have taken into account in the processing and determination of this application. (max. 2000 characters)

Disposal of dredged material

Material details

Please provide information on the material to be deposited. This needs to state the type of material, when you plan to do this, the specific gravity of the material and the weight of the material in both dry and wet tonnes. You also need to tell us the source of the material by selecting the source site.

If you have not yet entered the coordinates of the source site, you should go back to the Sites and activities summary screen (see the left-hand menu) and enter these coordinates first. You can do this by adding a new site.

On this page, you can add more rows to tell us about material you propose to deposit on different dates or about different types of material that you propose to deposit.

Start date	End date	Material	Specific gravity	Amount to be deposited (dry tonnes)	Amount to be deposited (wet tonnes)	Source Site
01-JAN-2021	31-DEC-2030	Clay (<31.25um)	1.7	221739	255000	Channel and berth - dredge and excavation
01-JAN-2021	31-DEC-2030	Sand (62.5um-2mm)	1.9	633333	950000	Channel and berth - dredge and excavation

01- JAN- 2021	31- DEC- 2030	Sand (62.5u m- 2mm)	1.9	21533 3	32300 0	Tees Dock turnin g circle - dredg e
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Further details

Dredge details

You should provide details of the dredge. This should include the methodology and location. If this has already been detailed elsewhere in the application it is sufficient to reference that. (max. 2000 characters)

The details of the proposed dredge are outlined in the dredge activity. In summary, it is proposed that the dredge is undertaken using a combination of trailing suction hopper dredger and a backhoe dredger.

Has the dredged material been analysed?

You should provide analysis of the sediment to enable a determination to be made about whether the material is suitable for disposal to sea. This should include particle size analysis and analysis against Cefas Action Levels.

Yes No

Please give details

(max. 2000 characters)

Sediment quality data used to inform the assessment is attached.

Has this activity been assessed in line with the waste hierarchy?

The disposal of dredged material to sea should be considered a last resort. You should provide details of alternatives that have been considered and the reasons why you propose to dispose of the material to sea.

Yes No

Please give details

(max. 2000 characters)

Please refer to Section 3 and Appendix 1 of the EIA Report.

Tees Dock turning circle - dredge - Capital dredging of the Tees Dock turning circle

Site

Please see included locations.kml file for detailed site locations.

Activity details

Activity type

Please select the type of activity that would take place. If more than one activity would take place you should enter the details of one activity here and then add another activity.

Activity type

Dredging

Activity subtype

Navigational dredging (capital)

General

Activity title

Enter the title of this activity (max. 250 characters)

Capital dredging of the Tees Dock turning circle

Activity description

You should include a detailed description of the activity. For construction activities, this should include the dimensions of the works and materials to be used. (max. 2000 characters)

Capital dredging of the Tees Dock turning circle is required to deepen it from an existing depth of 8.8m bCD to 11m bCD (maintained at 10.4m bCD). This dredging is required as part of Phase 1 of the proposed scheme. Approximately 170,000m³ of material is proposed to be dredged from the Tees Dock turning circle.

Activity methodology

Your method statement should clearly explain how you are going to carry out the activities providing detail on any materials and plant to be used as well as proposed programme timings. (max. 2000 characters)

It is proposed that dredging would be undertaken using a combination of trailing suction hopper dredger and backhoe dredging.

Activity start date	Activity end date
01-JAN-2021	31-DEC-2030

Activity programme

You should detail the proposed programme of works for the activity. This should include proposed start and end dates for the activity. It should also include details of any elements that need to be completed by a certain date and details of any time periods during which the activity could not be carried out and the reasons for this. It should also include proposed working hours. (max. 2000 characters)

It is anticipated that dredging of the turning circle would take approximately two weeks. Dredging is proposed to be undertaken 24 hours a day, seven days a week. The specific timescale when dredging is to take place is unknown at this stage and therefore we have assessed on a worst case basis whereby it could happen during any month of the year.

Potential impacts

You should detail the potential impacts this activity may have. This should include social, economic and environmental impacts. If this has already been detailed elsewhere in the application it is sufficient to reference that. (max. 2000 characters)

Mitigation measures are detailed in the EIA Report. No significant environmental impacts are predicted.

Proposed mitigation

You should detail the mitigation you propose in response to the potential impacts. This should include a detailed explanation of the mitigation measure and evidence to demonstrate that the mitigation is likely to be successful. If this has already been detailed elsewhere in the application it is sufficient to reference that. (max. 2000 characters)

Mitigation measures are detailed in the EIA Report.

Residual risks

You should detail the residual risks from the activity following the mitigation. This should include an assessment of the significance of the risks and evidence to show why these risks cannot be avoided or further mitigated. (max. 2000 characters)

No significant residual impacts are predicted.

Additional supporting information

You should use this section to provide any further information about this activity that you wish to have taken into account in the processing and determination of this application. (max. 2000 characters)

Navigational dredging (capital)

Material details

Start date	01-JAN-2021	End date	31-DEC-2030
Method of dredging	Hydraulic - Trailer Hopper	Material	Sand (62.5um-2mm)
Specific gravity	1.9	Dredge depth below chart datum (m)	11
Existing depth below chart datum (m)	8.8	Maximum amount to be dredged (m3)	170000

Further details

Maximum amount to be dredged per campaign (m3)

170000

Sample analysis

You should provide analysis of the sediment to enable a determination to be made about whether the material is suitable for disposal to sea. This should include particle size analysis and analysis against Cefas Action Levels. (max. 2000 characters)

Sediment quality data from the NGCT marine licence application has been submitted as a proxy in the absence of site specific sediment quality data at the point of application. Sediment quality data from the proposed dredge footprint will be provided once received from the laboratory.

Please provide a copy of the analysis file

Destination of material

You should detail the destination of the material and whether this is going to be taken to land or is proposed to be disposed of to sea. If this has already been detailed elsewhere in the application it is sufficient to reference that. (max. 2000 characters)

Dredged material is proposed to be disposed of at the Tees Bay C disposal site.

Channel and berth - dredge and excavation - Capital dredging - channel and berth pocket

Site

Please see included locations.kml file for detailed site locations.

Activity details

Activity type

Please select the type of activity that would take place. If more than one activity would take place you should enter the details of one activity here and then add another activity.

Activity type

Dredging

Activity subtype

Navigational dredging (capital)

General

Activity title

Enter the title of this activity (max. 250 characters)

Capital dredging - channel and berth pocket

Activity description

You should include a detailed description of the activity. For construction activities, this should include the dimensions of the works and materials to be used. (max. 2000 characters)

Capital dredging is proposed within parts of the existing navigation channel, and within areas not currently subject to maintenance dredging to create a berth pocket. The total dredge volume for marine sediments in Phase 1 (excluding that from the Tees Dock turning circle which was been included as a separate activity) is predicted to be approximately 650,000m³. The berth pocket is proposed to be dredged to 15.6m bCD, whilst all other areas are to be dredged to 11m bCD.

Activity methodology

Your method statement should clearly explain how you are going to carry out the activities providing detail on any materials and plant to be used as well as proposed programme timings. (max. 2000 characters)

It is anticipated that dredging will be undertaken using a combination of a Trailing Suction Hopper Dredger (TSHD) and a backhoe dredger. It is envisaged that up to three barges will be required to support with the transport of sediment dredged using the backhoe dredger to the offshore disposal site.

Activity start date	Activity end date
01-JAN-2021	31-DEC-2030

Activity programme

You should detail the proposed programme of works for the activity. This should include proposed start and end dates for the activity. It should also include details of any elements that need to be completed by a certain date and details of any time periods during which the activity could not be carried out and the reasons for this. It should also include proposed working hours. (max. 2000 characters)

For the purposes of the EIA, it has been assumed that the dredge and disposal activity would take approximately five months. Dredging is proposed to be undertaken 24 hours a day, seven days a week. The specific months when dredging is to take place is unknown at this stage and therefore we have assessed on a worst case basis whereby it could happen during any month of the year.

Potential impacts

You should detail the potential impacts this activity may have. This should include social, economic and environmental impacts. If this has already been detailed elsewhere in the application it is sufficient to reference that. (max. 2000 characters)

Potential impacts are detailed in the supporting EIA Report. No significant impacts are predicted.

Proposed mitigation

You should detail the mitigation you propose in response to the potential impacts. This should include a detailed explanation of the mitigation measure and evidence to demonstrate that the mitigation is likely to be successful. If this has already been detailed elsewhere in the application it is sufficient to reference that. (max. 2000 characters)

Mitigation measures are detailed in the supporting EIA Report.

Residual risks

You should detail the residual risks from the activity following the mitigation. This should include an assessment of the significance of the risks and evidence to show why these risks cannot be avoided or further mitigated. (max. 2000 characters)

Residual impact are detailed in the supporting EIA. No significant residual impacts are predicted.

Additional supporting information

You should use this section to provide any further information about this activity that you wish to have taken into account in the processing and determination of this application. (max. 2000 characters)

Navigational dredging (capital)

Material details

Start date	01-JAN-2021	End date	31-DEC-2030
Method of dredging	Mechanical - Backhoe	Material	Sand (62.5um-2mm)
Specific gravity	1.9	Dredge depth below chart datum (m)	5
Existing depth below chart datum (m)	0	Maximum amount to be dredged (m3)	150000

Start date	01-JAN-2021	End date	31-DEC-2030
Method of dredging	Hydraulic - Trailer Hopper	Material	Sand (62.5um-2mm)
Specific gravity	1.9	Dredge depth below chart datum (m)	11
Existing depth below chart datum (m)	5	Maximum amount to be dredged (m3)	350000

Start date	01-JAN-2021	End date	31-DEC-2030
Method of dredging	Mechanical - Backhoe	Material	Clay (<31.25um)
Specific gravity	1.7	Dredge depth below chart datum (m)	15.6

Existing depth below chart datum (m)	11	datum (m)	
		Maximum amount to be dredged (m3)	150000

Further details

Maximum amount to be dredged per campaign (m3)

650000

Sample analysis

You should provide analysis of the sediment to enable a determination to be made about whether the material is suitable for disposal to sea. This should include particle size analysis and analysis against Cefas Action Levels. (max. 2000 characters)

Sediment quality data from the NGCT marine licence application has been used to inform the impact assessment. Sediment quality data from the proposed dredge footprint will be provided once received from the laboratory.

Please provide a copy of the analysis file

Destination of material

You should detail the destination of the material and whether this is going to be taken to land or is proposed to be disposed of to sea. If this has already been detailed elsewhere in the application it is sufficient to reference that. (max. 2000 characters)

The dredged material is proposed to be deposited offshore within the Tees Bay C disposal site.

Demolition area - Demolition of existing infrastructure

Site

Please see included locations.kml file for detailed site locations.

Activity details

Activity type

Please select the type of activity that would take place. If more than one activity would take place you should enter the details of one activity here and then add another activity.

Activity type

Removal of any substance or object

Activity subtype

Other removals

General

Activity title

Enter the title of this activity (max. 250 characters)

Demolition of existing infrastructure

Activity description

You should include a detailed description of the activity. For construction activities, this should include the dimensions of the works and materials to be used. (max. 2000 characters)

A programme of demolition works is required in advance of construction works commencing. All infrastructure below the level of mean high water springs would be demolished and removed. This includes part of the existing dilapidated South Bank Wharf, three jetties downstream and a range of smaller infrastructure assets associated with former uses of the frontage.

Activity methodology

Your method statement should clearly explain how you are going to carry out the activities providing detail on any materials and plant to be used as well as proposed programme timings. (max. 2000 characters)

The proposed demolition methodology is detailed in Section 3.3 of the EIA Report. However, in summary it is envisaged that demolition would require the use of both land and marine based plant. The concrete deck of the existing jetties and locally on South Bank Wharf is likely to be either broken up using a long reach excavator with hydraulic demolition attachments, working from the shore (and supported by a jack-up barge, slave barge and safety/workboat). Alternatively, the demolition may include cutting sections of the deck and lifting them onto the land for disposal. Piles supporting the existing wharf would be removed using an appropriate vessel with cranes, supported by the use of divers. Smaller infrastructure assets on the foreshore are envisaged to be removed using land based plant working from the shore.

Activity start date	Activity end date
01-JAN-2021	31-DEC-2030

Activity programme

You should detail the proposed programme of works for the activity. This should include proposed start and end dates for the activity. It should also include details of any elements that need to be completed by a certain date and details of any time periods during which the activity could not be carried out and the reasons for this. It should also include proposed working hours. (max. 2000 characters)

Demolition works are anticipated to take approximately 12 months for Phase 1 and 2 combined. Should Phase 1 be implemented separately to Phase 2, demolition for Phase 1 is anticipated to take approximately five months. Works are proposed to be undertaken 24 hours a day, seven days a week. The specific months when demolition is to take place is unknown at this stage and therefore we have assessed on a worst case basis whereby it could happen during any month of the year.

Potential impacts

You should detail the potential impacts this activity may have. This should include social, economic and environmental impacts. If this has already been detailed elsewhere in the application it is sufficient to reference that. (max. 2000 characters)

Potential impacts are outlined in the EIA Report. No significant environmental impacts are predicted.

Proposed mitigation

You should detail the mitigation you propose in response to the potential impacts. This should include a detailed explanation of the mitigation measure and evidence to demonstrate that the mitigation is likely to be successful. If this has already been detailed elsewhere in the application it is sufficient to reference that. (max. 2000 characters)

Mitigation measures are outlined in the EIA Report.

Residual risks

You should detail the residual risks from the activity following the mitigation. This should include an assessment of the significance of the risks and evidence to show why these risks cannot be avoided or further mitigated. (max. 2000 characters)

As detailed in the EIA Report, no significant residual impacts are predicted.

Additional supporting information

You should use this section to provide any further information about this activity that you wish to have taken into account in the processing and determination of this application. (max. 2000 characters)

Berth pocket - rock placement - Placement of rock with the berth pocket

Site

Please see included locations.kml file for detailed site locations.

Activity details

Activity type

Please select the type of activity that would take place. If more than one activity would take place you should enter the details of one activity here and then add another activity.

Activity type

Deposit of any substance or object

Activity subtype

Other deposits

General

Activity title

Enter the title of this activity (max. 250 characters)

Placement of rock with the berth pocket

Activity description

You should include a detailed description of the activity. For construction activities, this should include the dimensions of the works and materials to be used. (max. 2000 characters)

It has been conservatively assumed that there is a requirement to install a rock blanket within the footprint of the proposed berth pocket to avoid the risk of a jack-up barge 'punching' into the underlying sediments when berthed at the quay during the operation phase. Such an effect could result in instability of the berthed vessel as well as potentially destabilising the quay wall. The berth pocket would need to be dredged to a greater depth initially (15.6m bCD) to allow placement of the 2m thick rock blanket.

Activity methodology

Your method statement should clearly explain how you are going to carry out the activities providing detail on any materials and plant to be used as well as proposed programme timings. (max. 2000 characters)

It has been assumed that a split hopper barge would be used to supply and deposit rock within the berth pocket.

Activity start date	Activity end date
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01-JAN-2021	31-DEC-2030
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Activity programme

You should detail the proposed programme of works for the activity. This should include proposed start and end dates for the activity. It should also include details of any elements that need to be completed by a certain date and details of any time periods during which the activity could not be carried out and the reasons for this. It should also include proposed working hours. (max. 2000 characters)

The rock blanket would be installed following completion of the berth pocket dredge. It is anticipated that installation of the rock blanket would take approximately four months to complete. The specific timescale when rock placement is to take place is unknown at this stage and therefore we have assessed on a worst case basis whereby it could happen during any month of the year.

Potential impacts

You should detail the potential impacts this activity may have. This should include social, economic and environmental impacts. If this has already been detailed elsewhere in the application it is sufficient to reference that. (max. 2000 characters)

Impacts associated with the installation of the rock blanket are addressed in the EIA Report. No significant impacts are predicted.

Proposed mitigation

You should detail the mitigation you propose in response to the potential impacts. This should include a detailed explanation of the mitigation measure and evidence to demonstrate that the mitigation is likely to be successful. If this has already been detailed elsewhere in the application it is sufficient to reference that. (max. 2000 characters)

Mitigation measures are outlined in the EIA Report.

Residual risks

You should detail the residual risks from the activity following the mitigation. This should include an assessment of the significance of the risks and evidence to show why these risks cannot be avoided or further mitigated. (max. 2000 characters)

As detailed in the EIA Report, no significant residual impacts are predicted.

Additional supporting information

You should use this section to provide any further information about this activity that you wish to have taken into account in the processing and determination of this application. (max. 2000 characters)

Other deposits

Material details

Start date	End date	Description	Amount to be deposited (kg)
01-JAN-2021	31-DEC-2030	Rock	175000000

Further details**Additional information**

(max. 2000 characters)

Supporting documents

Licence conditions

Are there any conditions you consider should be added to the marine licence?

Any suggested conditions will be considered as part of the application and may be applied to the consent. However, proposed conditions may also be edited or removed and other conditions may be applied in addition to or in place of any conditions you propose.

Yes No

Other details

Fees and charges

**Cost of project seaward
of mean high water
springs (£)**

Specify pounds only or pounds and
pence, e.g. 1000 or 1000.10

50000000

Public register

Permission to add your data to the MMO evidence base:

The Marine Management Organisation (MMO) has gathered information from a number of existing sources to support marine planning, marine licensing and associated functions of the MMO. The MMO is continuously adding to the evidence base to support future decision making, with the aim to ensure a sustainable future for our coastal and offshore waters.

A new marine plan led system of marine management will set the direction for decision making on marine use and will:

- guide marine users to the most suitable locations for different activities;
- manage the use of marine resources to ensure sustainable levels; and
- consider all the benefits and impacts of current and future activities that occur in the marine environment.

1.The MMO would like your permission to use any of the data you submit in a digital format that can be entered into a geographical information system. This data may be used to inform MMO functions.

Can we use your data to inform MMO functions?

Yes No

2.Under section 101 of the Marine and Coastal Access Act 2009 the MMO must maintain a register of activities where it is the appropriate licensing authority. Information contained within or provided in support of this application will be placed on the MMO's Public Register unless:

- The Secretary of State determines that its disclosure would be contrary to the interests of national security; or
- The MMO determines that its disclosure would adversely affect confidentiality of commercial or industrial information where such confidentiality is provided by law to protect legitimate commercial interest.

Is there any information in your application (including any supporting documents) that you believe should be withheld from the Public Register?

Yes No