MLA/2020/00079

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)

Northern Gateway Container Terminal

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)

PD Teesport (PDT) applied for a Harbour Revision Order (HRO) for the Northern Gateway Container Terminal (NGCT) under Section 14 of the Harbours Act 1964 in 2006. An application for planning permission under the Town and Country Planning Act 1990 was also submitted to Redcar and Cleveland Borough Council (RCBC) at the same time. In support of these applications, Royal Haskoning carried out an Environmental Impact Assessment (EIA) and produced the NGCT Environmental Statement (ES) in 2006 (Royal Haskoning, 2006) and the NGCT ES Supplement in 2007.

The Teesport HRO was made on 18th April 2008, coming into force on 8th May 2008. The 2008 HRO was due to expire on 8th May 2018. In anticipation, PDT applied to the MMO for a 10 year time extension to the 2008 HRO. PDT did not apply for a marine licence concurrently with the application to extend the 2008 HRO.

The planning permission for the NGCT has been implemented and the HRO has been extended to 7th May 2028. The marine elements of the NGCT have not yet been implemented. PDT has therefore submitted this marine licence application to allow for the implementation of the marine elements 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)

PDT's intention is to construct the proposed scheme prior to the expiry date of the HRO (which as noted above is 7th May 2028). Both the dredging and construction of the quay are predicted to be undertaken in a phased manner prior to 7th May 2028.

The phasing of the scheme has not yet been determined; however it is likely that the quay would be constructed in two or three phases. For the purpose of the EIA, a two phase approach has been assumed, with Phase 1 representing construction of an initial 700m, and Phase 2 representing the remaining 300m of quay.

Assuming a two phased construction, it is estimated that construction of the quay for Phase 1 will take approximately 80 weeks, with Phase 2 predicted to take approximately 40 weeks.

Dredging granular material from the lower reaches using a trailing suction hopper dredger is predicted to take between approximately 4 and 11 weeks. Dredging mudstone in the upper reaches using a cutter suction dredger is predicted to take approximately 33 weeks. A BD could also be used for the removal of mudstone, but a CSD represents an upper bounding case for the purposes of the EIA. Dredging is to be undertaken 24 hours a day.

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)

Teesport Harbour Revision Order extension application (Reference DC10120)
Sampling plan request - SAM/2018/00069

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

◉ Yes ○ No

Please give details

(max. 2000 characters)

A meeting was held with the MMO in October 2018. Minutes from the meeting are attached.

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)

The proposed NGCT scheme is authorised by RCBC under planning permission R/2006/0433/00 and by The Teesport HRO 2008 (SI 2008 No. 1160).

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

Please give details

(max. 2000 characters)

Part 2 Section 7 of the Teesport HRO states:
"(1) The Company may, for the purposes of constructing and maintaining the works and of affording access to the works by vessels from time to time deepen, dredge, scour, cleanse, alter and improve so much of the bed, shores and channels of the river as adjoin or are near to the works and the approaches thereto and may use, appropriate or dispose of the materials (other than wreck within the meaning of Part IX of the Merchant Shipping Act 1995(a)), from time to time dredged by them.
(2) No such materials shall be laid down or deposited—
(a) in contravention of the provisions of any enactment as respects the disposal of waste; or
(b) in any place below the level of high water otherwise than in such position and under such conditions and restrictions as may be approved or prescribed by the Secretary of State."

PDT also has power to dredge under the Tees and Hartlepool Port Authority Act 1966.

It is therefore concluded that a marine licence from the MMO is not required for the proposed dredging works. A marine licence is, however, required for the other marine elements of the proposed scheme.

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 within the jurisdiction of PD Teesport.

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

None

Forename

Mark

Surname

Pearson

Organisation name

PD TEESPORT LIMITED

Reg number

02636007

Position in organisation

Contact within company

Postcode

TS2 1LX

Postal address

CRAFT DEPOT
VULCAN STREET
MIDDLESBROUGH

Telephone number

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

01642877129

Fax number

Please enter in format +00(0)0000 000000

Email address

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

mark.pearson@pdports.co.uk

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)

The MPS defines high level marine objectives, stating that in order to achieve a sustainable marine economy, infrastructure needs to be in place to support and promote safe, profitable and efficient marine business. The proposed scheme is considered to be in accordance with this objective of the MPS.

A review of the North East Inshore and North East Offshore Marine Plan (Draft for Consultation) (January 2020) has been undertaken. The proposed scheme is considered to be compliant with the following objectives of the North East Marine Plan:

1. Infrastructure is in place to support and promote safe, profitable and efficient marine businesses.
2. The marine environment and its resources are used to maximise sustainable activity, prosperity and opportunities for all, now and in the future.
3. Marine businesses are taking long term strategic decisions and managing risks effectively. They are competitive and operating efficiently.
4. Marine businesses are acting in a way which respects environmental limits and is socially responsible. This is rewarded in the market place.
11. Biodiversity is protected, conserved and where appropriate, recovered, and loss has been halted.

The proposed scheme is also considered to be compliant with applicable policies, namely NE-DD-3 (refer to Section 3.3), NE-PS-1 (refer to Section 2), NE-BIO-3 (refer to Section 5.1.5 and Appendix 10), NE-CE-1 (refer to Section 27).

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)

Please refer to Section 4.8 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)

Prior to submission of the application to extend the 2008 HRO for a further 10 years in 2018, the MMO confirmed that the proposed scheme comprised a Schedule A2 project under the EIA Directive, specifically:

•Construction of harbours and port installations including fishing harbours (unless included in Schedule A1); and
•Any change to or extension of development of a description listed in paragraphs 1 to 87 of this Schedule where that development is already authorised, executed or in the process of being executed.

The MMO confirmed during October 2018 that as the project has already been screened and determined to be an EIA project, there is no requirement to request an additional EIA screening opinion. PDT has, therefore, undertaken an EIA for the scheme and has submitted the attached EIA Report in support of this marine licence application.

Habitats regulations assessment

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

◉ Yes ○ No

Please give details

(max. 2000 characters)

Please refer to Section 29 of the EIA Report. As detailed within the HRA, it is concluded that there would be no adverse effect on the integrity of European and Ramsar sites screened into the assessment.

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 sites, 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)

Potential impacts to SSSIs have been considered throughout the EIA process. Refer to Section 9, 11 and 29 of the EIA Report. No significant effects on SSSIs are predicted as a result of the proposed scheme.

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 WFD compliance assessment has been undertaken, the results of which are presented in Section 28 and Appendix 19 of the EIA Report. Deterioration in status of the water bodies screened into the assessment is not predicted as a result of the proposed scheme.

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 with the Environment Agency and Natural England has been undertaken to discuss various technical aspects of the environmental impact assessment. Refer to Appendix 6 of the EIA Report for meeting minutes.

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	Proposed licence end date
01-MAR-2020	07-MAY-2028

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
Offshore disposal of dredged material	TEES BAY C	Disposal of dredged material	

Works No.1

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
Construction of a quay and terminal area	Works No.1	Construction of new works	
Reclamation (if required following completion of detailed design)	Works No.1	Alternative use of dredged material	
Removal / demolition	Works No.1	Other removals	

Intervention 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
Habitat enhancement using maintenance dredged material	Intervention area	Alternative use of dredged material	

Proposed dredge footprint

This is a source site only. No licensed activities take place at this site.

TEES BAY C - Offshore disposal of dredged material

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)

Offshore disposal of dredged material

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)

Disposal of up to 3,830,000m3 of capital dredged material with the Tees Bay C site. This assumes a worst case scenario whereby no material is used for reclamation as part of the quay construction. Should reclamation be undertaken, it is predicted that the disposal volume would decrease by up to approximately 920,000m3.

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)

To undertake the disposal operation, the TSHD or disposal barges would transport dredged material from the proposed dredge footprint to the Tees Bay C offshore disposal site, prior to returning to the source area again.

PDT's intention is to undertake the dredging and disposal activity using its own machinery as far as possible.

Activity start date	Activity end date
01-MAR-2020	07-MAY-2028

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 dredging and disposal activity would be undertaken 24 hours a day. PDT's intention is to undertake the dredge and disposal incrementally throughout the lifespan of the licence, utilising its own dredging plant as far as possible. The overall durations for the proposed dredge and disposal activities, based on the predicted volumes of material are detailed below.

Dredging granular material and clays using a TSHD is predicted to take between approximately 4 and 11 weeks, however, this is dependent on the production rate of the dredger.

Dredging mudstone using a CSD or backhoe is predicted to take approximately 33 weeks, however, as noted above this is dependent on the production rate of the dredger.

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)

Please refer to Section 26 of the EIA Report

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)

Please refer to Section 26 of 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)

Please refer to Section 26 of the EIA Report

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-MAR-2020	07-MAY-2028	Clay (<31.25 um)	1.7	5661739	6511000	Proposed dredge footprint

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 proposed scheme requires capital dredging of the approach channel to the proposed NGCT, as well as creation of a new berth pocket. Dredging is also required to locally realign the existing approach channel in the vicinity of the proposed terminal and to deepen the two existing turning circles (Tees Dock turning circle and Seaton Channel turning circle) in the Tees estuary.

Dredging of granular superficial material is predicted to be undertaken using a TSHD, with dredging of mudstone and clays to be undertaken using a CSD or backhoe.

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)

The sediment to be disposed has been analysed by MMO accredited laboratories. The results presented in 'MMO Results_Template MAR000356_1' and 'MMO Results_Template MAR000356_2' are those which have been specifically recovered within the proposed NGCT dredge footprint.
The results provided in '20125933 - MMO Results.xlsm' are those recovered from the Teesside Gasport project (referred to as Trafigura within SAM/2018/00069). This proposed scheme is located within the footprint of the proposed NGCT.
As detailed in 'MMO Results_Template MAR000356_1' and 'MMO Results_Template MAR000356_2', it was not possible to analyse one of the sediment samples within the laboratory given the granular / stony nature of the sediment. The attached emails contain a photograph of the particular sample which could not be analysed, as well as confirmation from the MMO that further sampling at this location was not required.

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 3.3 of the EIA Report where alternative options for the disposal of dredged material have been considered.

Works No.1 - Construction of a quay and terminal area

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

Construction, alteration or improvement of any works

Activity subtype

Construction of new works

General

Activity title

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

Construction of a quay and terminal area

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)

Construction of a piled quay structure of overall length 1035m, with the potential for reclamation using dredged material.

The proposed terminal area will be approximately 55ha. This area can be subdivided into existing land (approximately 46.5ha) and the area which is currently seaward of mean high water (approximately 8.5ha).

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)

Construction of the piled quay wall is anticipated to be undertaken using either a jack-up rig or a floating barge. Alternatively, the quay wall may be constructed from land.

Should reclamation be undertaken, this will be carried out using dredged sands and mudstone.

Activity start date	Activity end date
01-MAR-2020	07-MAY-2028

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 proposed that the container terminal will be constructed in phases to allow the continued operation of existing facilities within the proposed scheme footprint. The phasing is likely to be determined by the relative investment costs of the phases, the continued usage of existing facilities and customer demands at the time of construction.

In order to reflect the worst case with respect to the piling, for the purpose of the EIA, a two phase approach has been assumed, with Phase 1 representing construction of an initial 700m, and Phase 2 representing the remaining 300m of quay.

It is estimated that the construction period for Phase 1 of the proposed development (i.e. construction of the initial 700m of quay) would last for an overall duration of approximately 80 weeks. Phase 2 of the proposed development (i.e. construction of the remaining 300m of quay) is predicted to last for an overall duration of approximately 40 weeks.

These phases may however be subject to change, depending on relative investment costs of the phases, the continued usage of existing facilities and customer demands at the time of construction.

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)

Please refer to the EIA Report

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)

Please refer to 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)

Please refer to the EIA Report

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)

Construction of new works

Use intended to be made of the works

You should detail the use that will be made of the works. For example, if you are proposing to build a quay to use for unloading cargo then you should detail the type of cargo, quantity to be unloaded, frequency of unloading, methodology of unloading and any other relevant information. (max. 2000 characters)

The total container throughput of the terminal will be approximately 1.5 million TEU per annum (as determined through modelling of terminal throughput) with the following anticipated mix:

•10% of containers transhipped by sea or feeder vessels;
•70% of containers carried by road; and,
•20% of containers carried by rail.

The terminal will operate 365 days per year, 24 hours per day.

The predicted modal split depends, amongst other factors, on the particular requirements of the customers. For the purposes of the assessment, the potential impacts of transporting 100% of containers by road have been assessed, in addition to the above split. This ensures that a worst case situation with respect to environmental impact is assessed (i.e. effects on road traffic and consequently noise and air quality effects) in the event that the aspirations for modal split are not achieved.

Further detail is provided in Section 3.2 of the EIA Report.

Works No.1 - Reclamation (if required following completion of detailed design)

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

Alternative use of dredged material

General

Activity title

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

Reclamation (if required following completion of detailed design)

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 is yet to be decided whether reclamation behind the quay way is required as part of the scheme, however, this application and the accompanying EIA includes reclamation, in case this is required following completion of the detailed design.

The information below presents the description and methodology for this activity, should it be required following completion of the detailed design.

A proportion of the material dredged from the Tees estuary (mainly granular material and mudstone) may be used for localised reclamation. Should reclamation be required, up to approximately 920,000m3 of dredged material would be used for reclamation.

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)

As noted above, it is yet to be decided whether reclamation is required as part of the scheme, however, the application includes reclamation, should this be required. The information below presents the methodology for this activity, should it be required following completion of the detailed design.

If required, the reclamation would be carried out using dredged granular materials (sands) and dredged mudstone. It is anticipated that granular material will be used between the quay and the river embankment below water level; mudstone will be used for reclamation above water level.

It is anticipated that granular material will be dredged using a TSHD. This material will then be then pumped either into the settling basins or directly into the “lagoon” formed between the new quay wall and the river embankment.

It is anticipated that mudstone will be dredged using a CSD or backhoe. This material will then be pumped into the settling basins onshore using either a floating pipeline (where dredging is being carried out on the same side of the river as the reclamation) or a sunken pipeline (where dredging is being carried out on the opposite side of the river to the reclamation).

Activity start date	**Activity end date**
01-MAR-2020	07-MAY-2028

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 removal of granular material from the lower reaches of the river will be carried out either following construction of the new quay wall, if dredged material is to be placed directly behind the quay, or earlier if the dredged material is to be placed into settling basins and stockpiled on land prior to placement behind the quay wall (should reclamation be required).

The time required to dredge 1,100,000 m3 of granular material and clays is predicted to be between approximately 4 and 11 weeks, however, this will be dependent on the size of the dredger. The time required to dredge 3,700,000m3 of mudstone will be approximately 33 weeks (however, this will be dependent on the size of the dredger). Dredging is to be undertaken 24 hours a day.

The phasing of the scheme has not yet been determined, however it is likely to be undertaken in two or three phases. In order to reflect the worst case with respect to the piling, for the purpose of the EIA, a two phase approach has been assumed. The construction period for Phase 1 of the proposed development (i.e. construction of the initial 700m of quay) is predicted to last for an overall duration of approximately 80 weeks. Phase 2 of the proposed development (i.e. construction of the remaining 300m of quay) is predicted to last for an overall duration of approximately 40 weeks. Dredging and disposal is 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)

Please refer to the EIA Report

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)

Please refer to 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)

Please refer to the EIA Report

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)

As noted above, the reclamation, if required, would likely be undertaken using granular material and mudstone.

The proportion of material types to be used within the reclamation is currently unknown at this stage, and therefore an allowance for 920,000m3 of both material types has been made in the 'alternative use of dredged material' section below.

Alternative use of dredged material

Material details

Start date	End date	Material	Specific gravity	Amount to be deposited (dry tonnes)	Amount to be deposited (wet tonnes)
01-MAR-2020	07-MAY-2028	Sand (62.5um -2mm)	1.9	1380000	1748000
01-MAR-2020	07-MAY-2028	Clay (<31.25 um)	2.2	1840000	2024000

Further details

Description of use

(max. 2000 characters)

A proportion of the material dredged from the Tees estuary (mainly granular material and mudstone) may be used for localised reclamation following completion of the detailed design. Should reclamation not be required, this material would be disposed of within the Tees Bay C site. The offshore disposal volume included within this application assumes no reclamation as a worst case.

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)

Refer to the detail provided within the 'Disposal of dredged material' activity.

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)

Refer to the detail provided within the 'Disposal of dredged material' activity.

Works No.1 - Removal / demolition

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)

Removal / demolition

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)

In order to construct the NGCT in full, it would be necessary to remove all existing infrastructure which is currently located within the proposed NGCT footprint. The key structures within the proposed scheme footprint to be demolished include the existing Riverside ro-ro (and associated structures), the gas jetty and Teesport Container Terminal.

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 the top side infrastructure would be removed in full, broken up and removed from site. The piles supporting the structures would then either be pulled out or cut off at bed level.

Activity start date	Activity end date
01-MAR-2020	07-MAY-2028

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 demolition and removal of infrastructure within the proposed scheme footprint would be undertaken as part of the overall construction phase for the proposed scheme. It is envisaged that the existing structures would be demolished in accordance with the phased construction for the proposed scheme.

The construction period for the full development is expected to be 120 weeks in total. The majority of the construction operations will occur for 10 hours each day from Monday to Saturday; the working period has nominally been assumed to be 08:00 to 18:00. Given the nature of the proposed demolition activities, it is envisaged that 24 hour working is likely to be required to safely demolish structures.

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)

Please refer to the EIA Report where potential impacts of this activity are assessed in full.

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)

Please refer to the EIA Report where proposed mitigation measures are detailed, where necessary.

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)

Please refer to the EIA Report where residual impacts are identified.

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)

Intervention area - Habitat enhancement using maintenance dredged material

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

Alternative use of dredged material

General

Activity title

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

Habitat enhancement using maintenance dredged material

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)

PDT has held discussions with the Tees Rivers Trust (TRT) regarding the possible beneficial use of maintenance dredged material as part of habitat enhancement works being proposed by the TRT within the Tees estuary. The TRT has identified that there are opportunities to enhance currently degraded areas of intertidal on the east bank of the Tees, downstream of Newport Bridge, located approximately 10km upstream of the proposed NGCT footprint. The TRT is investigating the feasibility of habitat enhancement in a number of areas; the area being discussed between PDT and the TRT has a footprint of approximately 0.5ha, covering approximately 265m of intertidal.

The works proposed by the TRT comprise the installation of a 'green-wall' in front of the existing retaining wall. The foreshore would be reprofiled and geotextile bags would be placed at the boundary of the existing intertidal. Maintenance dredged material, supplied by PDT, would then be pumped onto the intertidal.

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 works proposed by the TRT comprise the installation of a 'green-wall' in front of the existing retaining wall. The foreshore would be reprofiled and geotextile bags would be placed at the boundary of the existing intertidal. Maintenance dredged material, supplied by PDT, would then be pumped onto the intertidal. Should the timing of the proposed NGCT scheme and the proposed TRT align, PDT has agreed to supply up to 6,000m3 of maintenance dredged material to the TRT to allow the above habitat enhancement works to be undertaken. In addition to constituting a beneficial use of maintenance dredged material, the proposals represent habitat improvement to offset the predicted impact of the NGCT (specifically the proposed reclamation) on the intertidal.

Activity start date	Activity end date
01-MAR-2020	07-MAY-2028

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)

Should the timing of the proposed NGCT scheme and the proposed TRT project align, PDT has agreed to supply up to 6,000m3 of maintenance dredged material to the TRT to allow the above habitat enhancement works to be undertaken. Maintenance dredged material would be pumped onto the intertidal from the dredge vessel.

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)

The proposed enhancement measures comprise the recharge of intertidal with maintenance dredged silt, thereby enhancing the ecological value of the intertidal from its current degraded condition.

Whilst the location of the proposed habitat improvement measures is some distance from the core feeding and roosting areas used by waterbirds in the estuary, the measures would represent an enhanced feeding resource and would add to the diversity of habitat types in the upper estuary, extending the availability of intertidal mudflat within the Tees.

The biodiversity metric (Natural England, 2019) has been applied to predict the gain in biodiversity units achieved by the proposed habitat improvement measures (Appendix 10 of the EIA Report). It is concluded that the effect of the habitat improvement measures (referred to a 'post-intervention' in the metric) is to increase the value of the intertidal area from an existing 2.4 biodiversity units to 12.2 biodiversity units. Taking account of the predicted effect of the proposed NGCT (loss of 6.3 biodiversity units as a worst case scenario), a net gain of approximately 40% is achieved.

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)

None 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 risks 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)

Alternative use of dredged material

Material details

Start date	End date	Material	Specific gravity	Amount to be deposited (dry tonnes)	Amount to be deposited (wet tonnes)
01-MAR-2020	07-MAY-2028	Silt (31.25-62.5um)	1.6	6600	9600

Further details

Description of use

(max. 2000 characters)

PDT has held discussions with the Tees Rivers Trust (TRT) regarding the possible beneficial use of maintenance dredged material as part of habitat enhancement works being proposed by the TRT within the Tees estuary. The TRT has identified that there are opportunities to enhance currently degraded areas of intertidal on the east bank of the Tees, downstream of Newport Bridge, located approximately 10km upstream of the proposed NGCT footprint. The TRT is investigating the feasibility of habitat enhancement in a number of areas; the area being discussed between PDT and the TRT has a footprint of approximately 0.5ha, covering approximately 265m of intertidal.

The works proposed by the TRT comprise the installation of a 'green-wall' in front of the existing retaining wall. The foreshore would be reprofiled and geotextile bags would be placed at the boundary of the existing intertidal. Maintenance dredged material, supplied by PDT, would then be pumped onto the intertidal. Should the timing of the proposed NGCT scheme and the proposed TRT align, PDT has agreed to supply up to 6,000m3 of maintenance dredged material to the TRT to allow the above habitat enhancement works to be undertaken. In addition to constituting a beneficial use of dredged material, the proposals represent habitat improvement to offset the predicted impact of the NGCT ; this is discussed further in Section 9 of the EIA Report.

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)

It is proposed that maintenance dredged material is used in this activity because its properties are more suitable for the intended use compared with material arising from the capital dredging. While this does not, strictly, represent alternative use of dredged material arising directly from the proposed NGCT, the habitat enhancement measures are proposed in light of the predicted impact of NGCT on intertidal habitat and would represent an alternative use for dredged material arising from maintenance dredging activity in the Tees.

There is an existing requirement for maintenance dredging of the approach channel and various berthing pockets in the lower Tees estuary. The existing maintenance dredging regime is well-established, and the locations, volumes and frequency of dredging are well recorded. These various aspects of the existing maintenance dredging are discussed in detail in the Tees Maintenance Dredging Baseline Document (Royal Haskoning, 2008) and the annual updates to that report (with the most recent being in 2019).

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)

As noted above, the existing maintenance dredging regime is well-established, and the locations, volumes and frequency of dredging are well recorded. PD Teesport undertakes sediment sampling and analysis in accordance with the requirements of its maintenance dredge disposal licence (reference L/2015/00427/4). This mid-licence sampling ensures that the maintenance dredged material from the Tees estuary (and at Hartlepool) is suitable for at sea disposal, and therefore, the material to be used for this activity has been analysed (most recently during 2018 and 2019).

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

350000000

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