

Marine Management Organisation Marine Licence

1 Introduction

This is a licence granted by the Marine Management Organisation on behalf of the Secretary of State to authorise the licence holder to carry on activities for which a licence is required under Part 4 of the Marine and Coastal Access Act 2009.

1.1 Licence number

The licence number for this licence is L/2021/00354/1

1.2 Licence holder

The licence holder is the person or organisation set out below:

Name / company name	PD Teesport Limited
Company registration number (if applicable)	02636007
Address	Craft Depot, Vulcan Street, Middlesbrough TS2 1LX
Contact within company	Mr Mark Pearson
Position within company (if applicable). State if company officer or director	Group Projects Director

1.3 Licence date

Version	1
Licence start date	28 February 2022
Licence end date	31 December 2029
Date of original issue	02 March 2022

1.4 Licence validity

This version of this licence is valid from the licence start date to the licence end date.

This version of this licence supersedes any earlier version of this licence. Any activity commenced under a previous version of this licence and which is also a licensed activity authorised by section 4 of this version of this licence may continue in accordance with the licence conditions in section 5 of this version of this licence.

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2 General

2.1 Interpretation

In this licence, terms are as defined in section 115 of the Marine and Coastal Access Act 2009 and the Interpretation Act 1978 unless otherwise stated.

- "licensed activity" means any activity set out in section 4 of this licence.
- "licence holder" means the person(s) or organisation(s) named in section 1 above to whom this licence is granted.
- "MMO" means the Marine Management Organisation.
- "mean high water springs" means the average of high water heights occurring at the time of spring tides.
- "sea bed" or "seabed" means the ground under the sea.
- "the 2009 Act" means the Marine and Coastal Access Act 2009.
- All times shall be taken to be the time on any given day.
- All geographical co-ordinates contained within this licence are in WGS84 format (latitude and longitude degrees and minutes to three decimal places) unless stated otherwise.

2.2 Contacts

Except where otherwise indicated, the main point of contact with the MMO and the address for email and postal returns and correspondence shall be:

Marine Management Organisation Lancaster House Hampshire Court Newcastle upon Tyne NE4 7YH Tel:0300 123 1032 Fax:0191 376 2681 Email:marine.consents@marinemanagement.org.uk

Any references to any local MMO officer shall be the relevant officer in the area(s) located at:

Marine Management Organisation Neville House Central Riverside Bell Street North Shields NE30 1LJ Tel: 0191 257 4520 Email: northshields@marinemanagement.org.uk

3 **Project overview**

3.1 **Project title**

Northern Gateway Container Terminal

3.2 **Project description**

This licence covers the marine elements of the Northern Gateway Container Terminal (NGCT) scheme. In summary, the project comprises:

- Capital dredging of the approach channel to the proposed NGCT as well as creation of a new berth pocket (equating to dredging of up to 4.8 million m3 of material). Realignment of the existing approach channel in the vicinity of the proposed terminal and deepening of the two existing turning circles (Tees Dock turning circle and Seaton Channel turning circle) in the Tees estuary.
- Disposal of dredged material (through a combination of beneficial re-use (localised reclamation and raising land levels within the proposed terminal site) and offshore disposal).
- Construction of a container terminal facility.
- The whole project comprises construction of various landside elements (buildings, rail terminal, road access, lighting, drainage and a pumping station).

4 Licensed activities

This section sets out the licensed activities. The licensed activities are authorised to be carried on only in accordance with the activity details below and with the licence conditions as set out in section 5 of this licence.

Please note that where licensed quantities are displayed with reference to their constituent materials, the relative quantities given for the constituent materials are indicative only.

Site 1 - TEE	S BAY C				
Site location	Tees Bay C Disposal Site - Please see coordinate Licence Schedule 1.		ordinates in		
Activity 1.1 -	Offshore dis	posal of dree	lged material		
Activity type		Disposal of	dredged material		
Activity loca	tion	Tees Bay C Disposal Site - Please see coordinates in Licence Schedule 1.			
Description	Description Disposal of up to 3,830,000m3 of capital dredged materia from the source site (licence schedule 5). 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.			his assumes is used for tion. Should ed that the	
		G	Juantities		
Start date	End date	Material	Amount to be deposited (dry tonnes)	Amount to be deposited (wet tonnes)	Source
28/2/2022	31/12/2029	Clay (<31.25um)	5661739	6511000	Dredge Area
 Methodology To undertake the disposal operation, the Trailer Suction Hopper Dredger (THSD) 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 disposa activity using its own machinery as far as possible. Detailed methodology will be outlined in the Method Statement which must be submitted before licensed 		and disposal sible. the Method			
Programme	of works		mmence. Ig and disposal a day. PDT's in		
		1	age 6 of 21		

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 Cutter Suction Dredger (CSD) or backhoe is predicted to take approximately 33 weeks, however, as noted above this is dependent on the production rate of the dredger.

Site 2 - Works No.1	
Site location	Teesport - Please see coordinates in Licence Schedule 2.
Activity 2.1 - Construction	n of a quay and terminal area
Activity type	Construction of new works
Activity location	Teesport - Please see coordinates in Licence Schedule 2.
Description	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).
Methodology	Construction of the piled quay wall will 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.
	Piling will only be carried out during the hours of 6am to 10pm.
	Detailed methodology will be outlined in the Method Statement which must be submitted before licensed activities commence.
Programme of works	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 Page 7 of 21

	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 Environmental Impact Assessment (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.
Activity 2.2 - Removal / d	lemolition
Activity type	Other removals
Activity location	Teesport - Please see coordinates in Licence Schedule 2.
Description	In order to construct the NGCT in full, it is 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.
Methodology	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.
	Detailed methodology will be outlined in the Method Statement which must be submitted before licensed activities commence.
Programme of works	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. Given the nature of the proposed demolition activities, it is envisaged that 24 hour working is likely to be required to safely demolish structures.

Site 3 - Tees	sport dock ar	d Tees Container Termin	al	
Site location		Teesport - Please see coordinates in Licence Schedule 3.		
Activity 3.1 -	Reclamation	1		
Activity type		Alternative use of dredge	ed material	
Activity loca	tion	Teesport - Please see co	ordinates in Lice	nce Schedule 3.
Description		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.		
		Quantities		
Start date	End date	Material	Amount to be deposited (dry tonnes)	Amount to be deposited (wet tonnes)
01/1/2022	31/12/2029	Sand (62.5um-2mm)	1380000	1748000
01/1/2022	31/12/2029	Clay (<31.25um)	1840000	2024000
Methodology		If required, the reclamation would be carried out using dredged granular materials (sands) and dredged mudstone. Should suitable material for reclamation not be encountered during the dredge, suitable fill material would be imported to undertake the reclamation activity.		
		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.		
		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.		
		Mudstone will be dredge material will then be p onshore using either a f is being carried out on the reclamation) or a sur	umped into the loating pipeline the same side	settling basins (where dredging of the river as

	being carried out on the opposite side of the river to the reclamation).
	Detailed methodology will be outlined in the Method Statement which must be submitted before licensed activities commence.
Programme of works	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.

Site 4 - Tees Upriver	
Site location	River Tees - Please see coordinates in Licence Schedule 4.
Activity 4.1 - Habitat enha	ancement using maintenance dredged material
Activity type	Alternative use of dredged material
Activity location	River Tees - Please see coordinates in Licence Schedule 4.
Description	The Tees Rivers Trust (TRT) has identified that there are opportunities to enhance currently degraded areas of intertidal habitat on the east bank of the Tees, downstream Page 10 of 21

		of Newport Bridge, locate of the proposed NGCT PDT and the TRT has a covering approximately 2	footprint. The ar footprint of appre	ea identified by oximately 0.5ha,
		Quantities		
Start date	End date	Material	Amount to be deposited (dry tonnes)	Amount to be deposited (wet tonnes)
28/2/2022	31/12/2029	Silt (31.25-62.5um)	6600	9600
Methodology The works proposed by TRT will 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. Detailed methodology will be outlined in the Method				
		Statement which must activities commence.		
Programme of works		Should the timing of the proposed TRT project a up to 6,000m3 of maint TRT to allow the above be undertaken. Maintena pumped onto the intertidation of the i	lign, PDT has a enance dredged habitat enhanc ance dredged m	greed to supply material to the ement works to aterial would be

5 Licence conditions

5.1 General conditions

5.1.1 Notification of commencement

The MMO must be notified prior to the commencement of the first instance of any licensed activity. This notice must be received by the MMO no less than five working days before the commencement of that licensed activity.

5.1.2 Licence conditions binding other parties

Where provisions under section 71(5) of the 2009 Act apply, all conditions attached to this licence apply to any person who for the time being owns, occupies or enjoys any use of the licensed activities for which this licence has been granted.

5.1.3 Agents / contractors / sub-contractors

The MMO must be notified in writing of any agents, contractors or sub-contractors that will carry on any licensed activity listed in section 4 of this licence on behalf of the licence holder. Such notification must be received by the MMO no less than 24 hours before the commencement of the licensed activity.

A copy of this licence and any subsequent revisions or amendments must be provided to, read and understood by any agents, contractors or sub-contractors that will carry on any licensed activity listed in section 4 of this licence on behalf of the licence holder.

5.1.4 Vessels

The MMO must be notified in writing of any vessel being used to carry on any licensed activity listed in section 4 of this licence on behalf of the licence holder. Such notification must be received by the MMO no less than 24 hours before the commencement of the licensed activity. Notification must include the master's name, vessel type, vessel IMO number and vessel owner or operating company.

A copy of this licence and any subsequent revisions or amendments must be read and understood by the masters of any vessel being used to carry on any licensed activity listed in section 4 of this licence, and that a copy of this licence must be held on board any such vessel.

5.1.5 Changes to this licence

Should any of the information on which the granting of this licence was based changed or is likely to change, the MMO must be notified at the earliest opportunity. Failure to do so may render this licence invalid and may lead to enforcement action.

5.1.6 Licence quantities

Where a licensed activity comprises dredging or the disposal of dredged material, the total quantity of material authorised to be dredged or disposed of in any given time period shall be as set out for that licensed activity in section 4 of this licence.

For each time period, the actual quantity dredged or disposed of shall be calculated by adding the quantity of material dredged or disposed of during that time period under this version of this licence to that dredged or disposed of under any previous version of this licence that was valid during that time period.

5.2 **Project specific conditions**

This section sets out project specific conditions relating to the licensed activities as set out in section 4 of this licence.

Prior to	Licensed Activities Commencing
5.2.1	A method statement must be submitted to the MMO at least 10 weeks prior to the proposed commencement of the licensed activities.
	The Method Statement must also include the proposed timescales for completing the activities and the expected frequency for undertaking these throughout the licence period.
	The activities must not commence until written approval is provided by the MMO.
	Reason: To ensure that the method contains appropriate mitigation and is within the scope of the assessed activities.
5.2.2	A notification of works must be sent to the UK Hydrographic Office (UKHO) at least two weeks prior to the commencement of the works.
	The MMO must be sent a copy of the notification within 24 hours of issue.
	Reason: So that the UKHO can decide whether Maritime Safety Information and/or the update of nautical charts/publications is required, to ensure other vessels in the vicinity can safely plan and conduct their passage.
5.2.3	HM Coastguard (mailto:nmoccontroller@hmcg.gov.uk) must be notified prior to commencement of activities. The MMO must be sent a copy within 7 days of the issue of this notification.
	Reason:
	To ensure HM Coastguard is aware of the activities.
5.2.4	Local mariners and fishermen's organisations must be made fully aware of the activity through a local Notice to Mariners. This must be issued at least 5 days before the commencement of the works.

	The MMO must be sent a copy of the notification within 24 hours of issue.
	Reason: To ensure other vessels in the vicinity can safely plan and conduct their passage.
5.2.5	No development works must take place until the commissioning of a geoarchaeological assessment of any future ground investigation work including allowing access to the sampled material, and provision for geoarchaeological sampling has been submitted to and approved by the MMO in writing. The results will be used to inform discussions with the MMO and Historic England to conclude if there is any significance in further analysis. This must be in accordance with the approved archaeological Written Scheme of Investigation (WSI) as per condition 5.2.12 and must be submitted to the MMO at least 10 weeks prior to licensed activities commencing. This must be approved in writing by the MMO in consultation with Historic England.
	Reason: To ensure marine archaeology is not placed at risk as a result of these activities and to ensure any unknown artefacts which are discovered as a result of the activities are correctly recorded / protected.
5.2.6	The applicant will liaise with South Tees Development Corporation no later than 6 months in advance of the proposed start date of capital dredging and disposal for NGCT and, subject to the outcome of that discussion, will provide either of the following to the MMO no later than 3 months in advance of the proposed start date of capital dredging and disposal:
	 Written confirmation that disposal of dredged material from the NGCT project will not temporally coincide with that arising from the South Bank Quay Phase 1 project (meaning that no single phase of the capital dredging and disposal for the two projects would occur at the same time); or, Written confirmation that the total (aggregated) quantity of dredged material to be disposed would not exceed 1.34 million m3 per month (the peak monthly volume assessed within the NGCT EIA), should it be apparent that the dredging and disposal for the two projects could temporally coincide (meaning that any phase of the capital dredging and disposal for the two projects could occur at the same time); or, Further environmental assessment information (the scope of which would be agreed with the MMO) to analyse the potential nature of the cumulative environmental impact associated with offshore disposal should it be apparent that the dredging and disposal programmes for NGCT and the South Bank Quay project could (i)

	temporally coincide and (ii) the total (aggregated) quantity of dredged material to be disposed could exceed 1.34 million m3 per month, with a detailed programme of environmental monitoring to verify the predicted cumulative environmental impacts of disposal of dredged material.
	Reason: To minimise cumulative environmental impacts from the disposal of dredged material.
5.2.7	If dredging activities have not been completed within 3 years of the date of the last sampling (August 2019), a sediment sampling plan request must be submitted to the MMO at least 6 months prior to this date (August 2022).
	The sediment sampling and analysis must be completed by a laboratory validated by the MMO at least 6 weeks prior to this date (August 2022).
	The disposal activities must not take place after August 2022 until written approval is provided by the MMO.
	Reason: To ensure only suitable material is disposed of at sea.
5.2.8	Information on the expected location, start and end dates of impact pile driving/detonation of explosives must be submitted to the Marine Noise Registry, in order to satisfy the 'Forward Look' requirements of the Registry, prior to the commencement of the licensed activities.
	The MMO must be notified of the successful submission of 'forward look' data within 7 days of the submission.
	https://mnr.jncc.gov.uk/
	Reason: In order to collect the evidence required to support the implementation of the Marine Strategy Framework Directive, under descriptor 11.

During Licensed Activities

5.2.9	Any jack up barges / vessels utilised during the licensed activities, when jacked up, must exhibit signals in accordance with the UK Standard Marking Schedule for Offshore Installations. See Schedule 6.
	Reason:
	To ensure safety of navigation.
5.2.10	Any requirement to relocate any existing aids to navigation (AtoN) must be approved by Trinity House.
	Reason:
	To ensure safety of navigation.
5.2.11	Bunding and/or storage facilities must be installed to contain and prevent the release of fuel, oils, and chemicals associated with plant, refuelling and construction equipment, into the marine environment. Secondary containment must be used with a capacity of no less than 110% of the container's storage capacity.
	Reason: To minimise the risk of marine pollution incidents.
5.2.12	The authorised development must be carried out in accordance with the Archaeological Written Scheme of Investigation - attached to Licence Schedule 7.
	Reason:
	To ensure marine archaeology is not placed at risk as a result of these activities and to ensure any unknown artefacts which are discovered as a result of the activities are correctly recorded / protected.
5.2.13	The contractor must complete and submit an entry on OASIS (On-line Access to the Index of Archaeological Investigations - http://oasis.ac.uk/england/) prior to project completion, and shall deposit any digital project report with the Archaeology Data Service, via the OASIS form, upon completion of the development. This will ensure that the public benefits of the works are realised and help to further knowledge and understanding of the marine historic environment.
	Reason:

	To ensure marine archaeology is not placed at risk as a result of these activities and to ensure any unknown artefacts which are discovered as a result of the activities are correctly recorded / protected.
5.2.14	Soft-start procedures must be used to ensure incremental increase in pile power over a set time period until full operational power is achieved. The soft-start duration must be a period of not less than 20 minutes. Should piling cease for a period greater than 10 minutes, then the soft start procedure must be repeated.
	Reason: To allow mobile sensitive receptors to move away from the source of acoustic disturbance in order to reduce the risk of injury.
5.2.15	Percussive piling activities required for the installation of tubular and sheet piles in the marine environment must be undertaken in such a way as to minimise the duration of percussive piling required for each pile, and must use soft- start procedures. Should percussive piling be required during the months of May, July and August then the duration of percussive piling must not exceed 120 minutes in any 24 hour period.
	Reason: To allow mobile sensitive receptors to move away from the source of acoustic disturbance in order to reduce the risk of injury.
5.2.16	Piling activity must only be carried out during the hours of 6am to 10pm. Reason: To avoid impacts to mobile sensitive receptors which migrate at night.
5.2.17	The exact locations and dates of impact pile driving/detonation of explosives must be submitted to the Marine Noise Registry, in order to satisfy the 'Close-out' requirements of the Registry, every year by the 25 March detailing any impact pile driving/detonation of explosives carried out in the previous year within 12 weeks of completion of impact pile driving/ detonation of explosives.
	The MMO must be notified of the successful submission of 'close out' data within 7 days of the submission.
	https://mnr.jncc.gov.uk/

Reason:

In order to collect the evidence required to support the implementation of the Marine Strategy Framework Directive, under descriptor 11.

Following Completion of Licensed Activities		
5.2.18	All equipment, temporary structures, waste and/or debris associated with the licensed activities must be removed within 5 days of completion of licensed activities or specific activity.	
	Reason:	
	To minimise impacts to the marine environment and other users of the sea/seabed.	
5.2.19	The local MMO office must be notified as detailed in section 2.2 of the completion of the licensed activities by the licence holder, no later than 10 working days after their completion.	
	Reason:	
	To ensure the local MMO officer is aware of the licensed activities at sea occurring within its jurisdiction in order to notify other sea users and to arrange any enforcement visits where appropriate.	
5.2.20	A copy of any analysis, reporting, publication or archiving required as part of the written scheme referred to in condition 5.2.12 must be deposited with the Historic Environment Record of the relevant land-based planning authority within one year of the date of completion of the authorised development or such other period as may be agreed in writing by the MMO or specified in the written scheme referred to in condition 5.2.12. This will ensure that the public benefits of the works are realised and help to further our knowledge and understanding of the marine historic environment.	
	Reason:	
	To ensure marine archaeology is not placed at risk as a result of these activities and to ensure any unknown artefacts which are discovered as a result of the activities are correctly recorded / protected.	

5.2.21	A notification must be sent to The Source Data Receipt team, UK Hydrographic Office, Taunton, Somerset, TA1 2DN (Email: sdr@ukho.gov.uk; Tel: 01823 337900) of completion of the licensed activities, no later than 5 days after their completion.
	A copy of the notification must be sent to the MMO within one week of the notification being sent.
	Reason: To ensure all necessary amendments to nautical charts and publications are made

6 Compliance and enforcement

This licence and its terms and conditions are issued under the Marine and Coastal Access Act 2009.

Any breach of the licence terms and conditions may lead to enforcement action being taken. This can include variation, revocation or suspension of the licence, the issuing of an enforcement notice, or criminal proceedings, which may carry a maximum penalty of an unlimited fine and / or a term of imprisonment of up to two years.

Your attention is drawn to Part 4 of the Marine and Coastal Access Act 2009, in particular sections 65, 85 and 89 which set out offences, and also to sections 86, 87 and 109 which concern defences. The MMO's Compliance and Enforcement Strategy can be found on our website (https://www.gov.uk/government/publications/ compliance-and-enforcement-strategy).