Environmental Protection Agency
An Ghníomhaireacht um Chaomhnú Comhshaoil

Headquarters
P.O. Box 3000
Johnstown Castle Estate
County Wexford
Ireland

DUMPING AT SEA PERMIT

Permit Register Number:	S0012-05
Permit Holder:	Port of Waterford Company 3rd Floor Marine Point Belview Port Slieverue County Waterford
Company Register No:	299445
Location of Loading:	Lower Suir Estuary, Barrow Suir Nore Estuary and Waterford Harbour
Location of Dumping:	Middle Suir Estuary, Lower Suir Estuary and offshore dumping site within Eastern Celtic Sea, approximately 2.5km south west of Hook Head

Environmental Protection Agency
An Ghníomhaireacht um Chaomhnú Comhshaoil
HEADQUARTERS
JOHNSTOWN CASTLE ESTATE
COUNTY WEXFORD, IRELAND
PHONE: +353-53-9160600
FAX: +353-53-9160699

DUMPING AT SEA ACT 1996 AS AMENDED

DUMPING AT SEA PERMIT

Decision of the Agency, under Section 5(1) of the
Dumping at Sea Act 1996 as amended

Reference Number: S0012-05

The Agency in exercise of the powers conferred on it by the Dumping at Sea Act 1996 as amended, for the reasons hereinafter set out, hereby grants this Dumping at Sea permit to Port of Waterford Company subject to conditions, as set out in the schedule attached hereto.

The permit authorises the loading and dumping at sea of dredged material from the Lower Suir Estuary, Barrow Suir Nore Estuary and Waterford Harbour and dumping at sea of dredged material from the Middle Suir Estuary subject to conditions.

A copy of the Decision is attached.

Loading and dumping at sea of a substance or material, in accordance with the Dumping at Sea Act 1996 as amended

GIVEN under the Seal of the Agency on this the 5th day of February, 2026

PRESENT when the Seal of the Agency was affixed hereto:

Kathleen Byrne, Authorised Person

INTRODUCTION

This introduction is not part of the permit and does not purport to be a legal interpretation of the permit.

This permit is for the loading and dumping at sea of dredged material arising from maintenance dredging by Port of Waterford Company over an eight-year timeframe (2026-2033). The permitted activities involve the loading and dumping of 6,588,104 tonnes (wet weight) of dredged material at a rate of 823,513 tonnes per annum, primarily by trailing suction hopper dredger supplemented with mechanical dredgers and hopper barges, at a long-established dumping site located at the entrance to Waterford Harbour. This dumping site situated ca. 2.6 km south west of Hook Head, has been in operation since 1996. Loading will be completed at a number of discrete locations within the Lower Suir Estuary (Little Island - Cheekpoint), Barrow Nore Suir Estuary and Waterford Harbour transitional and coastal waterbodies. In addition, 1,273,318 tonnes (wet weight) of dredged material at 159,165 tonnes per annum will be dumped by plough dredging. Plough dredging will be completed at a number of discrete locations within the Middle Suir Estuary and Lower Suir Estuary (Little Island - Cheekpoint) transitional waterbodies.

Chemical analysis has confirmed that the material in question is suitable for dumping at sea.

The permit holder is required to take measures and manage the permitted activities to ensure the protection of the marine environment. The permit sets monitoring requirements for bathymetry, water quality and marine mammals. The permit holder is required to submit reports on the loading and dumping activities and monitoring results to the Agency.

The permit sets out in detail the conditions under which Port of Waterford Company, 3rd Floor Marine Point, Belview Port, Slieverue, County Waterford, CRO Number: 299445 will carry out loading and dumping at sea.

Table of Contents

		Page No
Glossary of Terms		1
Decision & Reasons for the Decision		5
Part I Schedule of Activities Permitted		7
Part II Schedule of Activities Refused		7
Part III Conditions		8
Condition 1.	Scope	8
Condition 2.	Management of the Loading and Dumping at Sea Activities	8
Condition 3.	Loading and Dumping at Sea Activities	10
Condition 4.	Control and Monitoring	11
Condition 5.	Incident Prevention and Emergency Response	14
Condition 6.	Notification, Records and Reports	14
Condition 7.	Financial Charges	16
SCHEDULE A:	Limitations	17
SCHEDULE B:	Emission Limits	21
SCHEDULE C:	Monitoring	22
SCHEDULE D:	Annual Environmental Report	26

Glossary of Terms

All terms in this permit should be interpreted in accordance with the definitions in the Dumping at Sea Act 1996 as amended, unless otherwise defined in the glossary.

Accident	For the purpose of this permit an accident means an unplanned event that may result in pollution.
AER	Annual Environmental Report.
Approval	Approval in writing.
Annually	All or part of a period of twelve consecutive months.
Application	The application by the permit holder for this permit.
Aquaculture	The rearing or cultivation of aquatic organisms using techniques designed to increase the production of those organisms beyond the natural capacity of the environment and where the organisms remain the property of one or more natural or legal persons throughout the rearing or culture stages, up to and including harvesting.
Attachment	Any reference to Attachments in this permit refers to attachments submitted as part of this permit application.
Campaign	A planned period of sustained loading and/or dumping activity.
CEN	Comité Européen De Normalisation – European Committee for Standardisation.
Chart	Any reference to a chart or chart number means a chart or chart number contained in the application, unless otherwise specified in this permit.
Closed Period	Period of time when loading and/or dumping at sea is prohibited in order to protect designated species or sites.
Competent Laboratory	A testing facility meeting the general management and technical requirements of EN ISO/IEC-17025 standard, or other equivalent standards accepted at international level and utilising methods of analysis, including laboratory, field, and on-line methods, which are validated and documented in accordance with the above standard(s) for the specific tests.
Day	Any 24-hour period.
Daylight	The period of natural light from sunrise to sunset locally, as provided by the Ireland's National Meteorological Service (Met Éireann).
Daytime	0700 hrs to 1900 hrs.
DBT	Dibutyltin.
Documentation	Any report, record, results, data, drawing, proposal, interpretation or other document in written or electronic form which is required by this permit.
Dumping	Dumping in relation to dumping at sea, means: (a) any deliberate disposal in the maritime area (including side-cast dredging, plough dredging, water injection dredging and other such dredging techniques) of a substance or material from or in conjunction with a vessel or aircraft or offshore installation,

	(b) any deliberate disposal in the maritime area of vessels, aircraft or offshore installations.
Drawing	Any reference to a drawing or drawing number means a drawing or drawing number contained in the application, unless otherwise specified in this permit.
Evening Time	1900 hrs to 2300 hrs.
Exclusion Zone	Area where loading and/or dumping at sea is prohibited to protect the marine environment or designated species or sites.
Exclusive Economic Zone	Exclusive economic zone of the State has the same meaning as it has in the Maritime Jurisdiction Act 2021.
Harbour Authority	As defined in section 1 of the Dumping at Sea Act 1996 as amended.
HCB	Hexachlorobenzene.
HCH	Hexachlorocyclohexane.
Incident	The following constitutes an incident for the purposes of this permit: (a) an emergency, (b) any loading or dumping at sea activity which does not comply with the requirements of this permit, (c) any indication that pollution has, or may have, taken place, (d) activation of the alarmed turbidity sensors specified in *Schedule C.1.2 Water Quality Monitoring* of this permit, (e) any malfunction of or breakdown of key environmental control or monitoring equipment, as specified in *Schedule C.1.2 Water Quality Monitoring* of this permit.
Inland Waters	Inland waters of the State must be construed in accordance with section 8 of the Maritime Jurisdiction Act 2021.
LAeq,T	This is the equivalent continuous sound level. It is a type of average and is used to describe a fluctuating noise in terms of a single noise level over the sample period (T).
LAr,T	The Rated Noise Level, equal to the LAeq during a specified time interval (T), plus specified adjustments for tonal character and/or impulsiveness of the sound.
Maintain	Keep in a fit state, including such regular inspection, servicing, calibration and repair as may be necessary to perform its function adequately.
Map	Any reference to a map or map number means a map or map number contained in the application, unless otherwise specified in this permit.
Master	The person having the command or charge of the vessel.
Material Unsuitable for Disposal	Sediment that is chemically contaminated such that it does not meet the assessment criteria to be classified as Class 1 (i.e. contaminant concentrations are below lower action levels), in accordance with *Guidelines for the Assessment of Dredge Material for Disposal in Irish Water* (Marine Institute, 2006) and *Addendum to 2006 Guidelines for the Assessment of Dredged material in Irish Waters* (Marine Institute, 2019), unless otherwise authorised by the Agency.

MMRA	Marine Mammal Risk Assessment.
Monthly	A minimum of 12 times per year, at intervals of approximately one month.
Monitored Zone	Area which must be monitored for marine mammals by a Marine Mammal Observer.
Night-time	2300 hrs to 0700 hrs.
Noise-Sensitive Location (NSL)	Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.
OSPAR	Convention for the Protection of the Marine Environment of the North-East Atlantic.
PAH	Polycyclic aromatic hydrocarbons.
PCB	Polychlorinated biphenyls.
Permit Holder	Port of Waterford Company, 3rd Floor Marine Point, Belview Port, Slieverue, Waterford, CRO Number: 299445.
Pollution	The introduction by man, directly or indirectly, of substances or energy into the maritime area which results, or is likely to result, in hazards to human health, harm to living resources and marine ecosystems, damage to amenities or interference with other legitimate uses of the sea.
Position	Latitude and longitude coordinates in degrees and decimal minutes, based on the WGS 84 datum.
SAC	Special Area of Conservation designated under the *Habitats Directive, Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora.*
Sample(s)	Unless the context of this permit indicates to the contrary, the term sample(s) must include measurements taken by electronic instruments.
Solid Waste	Any persistent, manufactured or processed solid material or items discarded, disposed of or abandoned in the marine and coastal environment, as defined in the OSPAR Guidelines for the Management of Dredged Material at Sea.
SOP	Standard operating procedure.
SPA	Special Protection Area designated under Directive 2009/147/EC of the European Parliament and of the Council of 30 November 2009 on the conservation of wild birds (Birds Directive).
Spring Tide	The tide with the greatest tidal range (i.e. the highest high water and the lowest low water), occurring twice monthly at the full and new moon periods.
Standard Method	A National, European or internationally recognised procedure (e.g., I.S. EN, ISO, CEN, BS or equivalent); or an in-house documented procedure based on the above references; a procedure as detailed in the current edition of "Standard Methods for the Examination of Water and Wastewater" (prepared and published jointly by A.P.H.A., A.W.W.A. & W.E.F.), American Public Health Association, 1015 Fifteenth Street, N.W., Washington DC 20005, USA; or an alternative method as may be agreed by the Agency.
TBT	Tributyltin.

Territorial Sea	Territorial sea of the State has the same meaning as it has in the Maritime Jurisdiction Act 2021.
The Agency	Environmental Protection Agency.
The Maritime Area	Comprises (a) the inland waters and territorial sea of the State, and the seabed and subsoil beneath them, (b) a designated area within the meaning of the Maritime Jurisdiction Act 2021, and (c) the exclusive economic zone of the State.

Decision & Reasons for the Decision

The Environmental Protection Agency is satisfied, on the basis of the information available, that subject to compliance with the conditions of this permit, the loading and dumping activities will comply with and will not contravene any of the requirements of section 5 of the Dumping at Sea Act 1996 as amended.

The Agency also considers that the activities will not adversely affect the integrity of any European Site, and has decided to impose conditions for the purposes of ensuring they do not do so. It has determined that the activities, if managed, operated and controlled in accordance with the permit, will not have any adverse effect on the integrity of any of those sites.

The Agency has accordingly decided to grant a permit to Port of Waterford Company to carry on the activities listed in *Part I Schedule of Activities Permitted*, subject to the conditions set out in *Part III Conditions*.

In reaching this decision the Agency has considered the documentation relating to: the application, Register Number: S0012-05 and the supporting documentation received from the applicant, the submissions, comments and observations received, the Inspector's Report dated 3 February 2026, and has carried out an Appropriate Assessment of the likely significant effects of the permitted activities on European Sites.

A screening for Appropriate Assessment was undertaken to assess, in view of best scientific knowledge and the conservation objectives of the site, if the activities, individually or in combination with other plans or projects are likely to have a significant effect on any European Site. In this context, particular attention was paid to the European Site(s) at River Barrow and River Nore SAC (Site Code: 002162), Lower Suir SAC (Site Code: 002137), Hook Head SAC (Site Code: 000764), Saltee Islands SAC (Site Code: 000707) and Seas off Wexford SPA (Site Code: 0004237).

The activities are not directly connected with or necessary to the management of any European Site and the Agency considered, for the reasons set out below, that it cannot be excluded, on the basis of objective information, that the activities, individually or in combination with other plans or projects, will have a significant effect on any European Site and accordingly determined that an Appropriate Assessment of the activities was required.

This determination has been made in light of the following reasons:

- The nature and scale of the proposed loading and dumping activities.
- The proximity of activities to the European sites, which includes proposed loading and plough dredging sites located within the Lower Suir SAC and the River Barrow and River Nore SAC and the proposed offshore dumping site located within the Seas off Wexford SPA.
- The potential for significant effects on qualifying interests of European sites from the proposed loading and dumping activities due to physical disturbance and water quality effects by the generation of sediment plumes in the water column and sediment deposition.
- The potential for significant effects from visual and noise disturbance (including above and underwater noise) from the proposed activities on qualifying interest species of European sites.
- The potential for in-combination effects with other plans and projects.

A Natura Impact Statement (NIS) was received by the Agency on 4 March 2024 and an addendum NIS on 12 December 2025. The Agency has completed the Appropriate Assessment and has made certain, based on best scientific knowledge in the field and in accordance with the European Communities (Birds and Natural Habitats) Regulations 2011 as amended, pursuant to Article 6(3) of the Habitats Directive, that the activities, individually or in combination with other plans or projects, will not adversely affect the integrity of any European Site, in particular River Barrow and River Nore SAC (Site Code: 002162); Lower Suir SAC (Site Code:

002137); Hook Head SAC (Site Code: 000764); Saltee Islands SAC (Site Code: 000707); Seas off Wexford SPA (Site Code: 0004237), and Tramore Back Strand SPA (Site Code: 004027) having regard to their conservation objectives and will not affect the preservation of these sites at favourable conservation status if carried out in accordance with this permit and the conditions attached hereto for the following reasons:

- The material to be disposed is dredged material originating from within the estuary and has been determined, through analysis, to be suitable for disposal at sea. The conditions of the permit prevent the disposal of unsuitable dredged material and require the applicant to carry out sediment chemistry analysis every three years.
- The activities will be limited in terms of tonnages of material permitted to be loaded / dumped (including plough dredging) annually and over the term of the permit, and the timeframe for activities will be limited to 2026 - 2033.
- It is considered that there will be no significant effects on qualifying interest habitats due to changes in suspended solids / sedimentation or hydropmorphological regimes as the activities are temporary, intermittent and within natural estuarine variability and conditions attached to the permit include minimising the release of suspended solids and uniform spread throughout the Dumping Site A.
- It is considered that there will be no significant effects on qualifying interest animal species (including otter, bottlenose dolphin, harbour porpoise, fish and bird species) by direct effects, indirect effects, or by disturbance as the activities are localised and temporary and conditions attached to the permit include:
    - a requirement for soft-start/ramp-up procedures,
    - a requirement for marine mammal observation monitoring during loading and dumping activities by trailing suction hopper dredger (TSHD) and mechanical dredging and implementation of the risk control and mitigation measures for marine mammals as specified in the National Parks and Wildlife Services guidance,
    - restriction on plough dredging in specific areas, such as seasonal closed periods, daylight only operations, or limiting works to spring tides, to avoid impeding the movement of migratory fish through these areas, and
    - a requirement regarding turning off TSHD pumps while the drag head is being lifted during loading and dredging in order to minimise the risk of fish entrainment.
- A documented Accident Prevention Procedure and an Emergency Response Procedure is required to be in place in advance of the commencement of activities.
- No significant in-combination effects are predicted; therefore, no additional mitigation measures are required.

The Agency is satisfied that no reasonable scientific doubt remains as to the absence of adverse effects on the integrity of those European Sites:

- River Barrow and River Nore SAC (Site Code: 002162);
- Lower Suir SAC (Site Code: 002137);
- Hook Head SAC (Site Code: 000764);
- Saltee Islands SAC (Site Code: 000707);
- Seas off Wexford SPA (Site Code: 0004237); and
- Tramore Back Strand SPA (Site Code: 004027).

Part I Schedule of Activities Permitted

In pursuance of the powers conferred on it by the Dumping at Sea Act 1996 as amended, the Environmental Protection Agency (the Agency), under section 5 of the said Act, grants this Dumping at Sea Permit to Port of Waterford Company, 3rd Floor Marine Point, Belview Port, Slieverue, County Waterford, CRO Number: 299445. The permit authorises the loading and dumping at sea activities, subject to conditions listed in Part III, with the reasons therefor and the associated schedules attached thereto.

Part II Schedule of Activities Refused

None of the proposed activities as set out in the permit application have been refused.

Part III Conditions

Condition 1. Scope

1.1 Statutory Obligations

This permit is for the purposes of permitting under the Dumping at Sea Act 1996 as amended, only and this permit must not be construed as negating the permit holder's statutory obligations or requirements under any other enactments or regulations.

1.2 The material or substance to which this permit relates must be dredged material from that part of the maritime area specified in Condition 1.3 of this permit.

1.3 For the purposes of this permit, the location of the loading areas authorised by this permit is in those parts of the maritime area outlined in colour red in Figures 3 (except for Spit Light and Queen's Channel area), 4, 5, 6 and 7 in Attachment D.2(ii) of the application. Any reference in this permit to "loading areas" must mean the areas thus outlined. The permitted loading activity must be carried on only within the areas outlined.

1.4 For the purposes of this permit, the location of the plough dredging sites authorised by this permit is in those parts of the maritime area outlined in colour red in Figures 2, 3 and 4 in Attachment D.2(ii) of the application and bounded by the coordinates specified in *Schedule A: Limitations* of this permit. Any reference in this permit to "plough dredging sites" must mean the areas thus specified. The permitted plough dredging activity must be carried on only within the areas specified.

1.5 For the purposes of this permit, the location of the offshore dumping site, dumping site A, authorised by this permit is in that part of the maritime area outlined in colour green in Figure 8 in Attachment D.2(ii) of the application and bounded by the coordinates specified in *Schedule A: Limitations* of this permit. Any reference in this permit to "dumping site" must mean the areas thus specified. The permitted offshore dumping activity must be carried on only within the areas specified.

1.6 For the purposes of this permit, the location of the exclusion zone authorised by this permit is in that part of the maritime area specified in *Schedule A: Limitations* of this permit.

1.7 The permit holder must carry on the permitted activity in accordance with the limitations set out in *Schedule A: Limitations* of this permit.

1.8 Loading and dumping at sea must be controlled and operated as set out in this permit. All programmes required to be carried out under the terms of this permit become part of this permit.

1.9 Any changes to the loading and dumping activities authorised by this permit must not be carried out or commenced without notification to, and the prior approval of, the Agency.

Reason: To clarify the scope of this permit.

Condition 2. Management of the Loading and Dumping at Sea Activities

2.1 The permit holder must ensure that all or any of the following:

(a) litter,

(b) man-made debris,

(c) odour

associated with, or arising from, the permitted activities do not result in an impairment of, or an interference with, amenities or the environment.

2.2 Noise

2.2.1 Noise from the permitted activities must not give rise to sound pressure levels measured at any noise sensitive locations (NSLs) which exceed the limit values specified in *Schedule B.1 Noise Emissions* of this permit.

2.2.2 Loading activities must be undertaken at Cheekpoint Lower during daytime and/or evening time only, unless noise monitoring results for the specific dredging vessel and/or equipment, and work methodology used demonstrates, to the satisfaction of the Agency, compliance with night-time emission limit values.

2.3 The permit holder must ensure that personnel performing specifically assigned tasks must be qualified on the basis of appropriate education, training and experience as required and must be aware of the requirements of this permit.

2.4 The permit holder must ensure that a nominated, suitably qualified and experienced person is present at all times when activities covered by this permit are ongoing.

2.5 The permit holder must notify the Agency of the intended date of commencement of the loading and dumping activities, at least fourteen calendar days in advance of commencement, by webform or by such other means as may be specified by the Agency, unless otherwise agreed by the Agency.

2.6 The permit holder must arrange for the publication of a Local Notice to Mariners at least fourteen days prior to the commencement of the loading and dumping activities.

2.7 Documentation

The permit holder must issue a copy of this permit to all relevant personnel whose duties relate to any condition of this permit and provide the information, instruction, training and supervision necessary to ensure compliance with the conditions of this permit.

2.8 Corrective Action and Preventative Action

2.8.1 The permit holder must establish, maintain and implement procedures to ensure that corrective action is taken should the specified requirements of this permit not be fulfilled. The responsibility and authority for persons initiating further investigation and corrective action in the event of a reported non-conformity with this permit must be defined.

2.8.2 Where a breach of one or more of the conditions of this permit occurs, the permit holder must without delay take measures to restore compliance with the conditions of this permit in the shortest possible time and initiate any feasible preventative actions to prevent recurrence of the breach.

2.8.3 All corrective and preventative actions must be documented.

2.9 Public Awareness and Communications Programme

2.9.1 The permit holder must maintain and implement a Public Awareness and Communications Programme to ensure members of the public can obtain information at reasonable times, concerning the environmental performance of the permitted activity.

2.9.2 The Public Awareness and Communications Programme must include a specific programme of outreach to interested parties on matters relating to the environmental performance of the permitted activity.

2.10 Marine Litter

2.10.1 All reasonable and practicable efforts must be made to remove floating material and any solid waste collected during the loading and dumping activity and returned to land.

2.10.2 The permit holder must ensure that dredged material loaded by trailing suction hopper dredger is passed through grid screens no larger than 30cm, unless otherwise agreed by the Agency, to minimise the amount of man-made materials disposed of at sea. Any solid waste must be separated from the dredged material and disposed or recovered on shore.

2.10.3 Disposal or recovery of solid waste must only take place in accordance with the conditions of this permit and in accordance with the appropriate National and European legislation and protocols.

2.10.4 Solid waste sent for disposal or recovery must be transported only by an authorised waste contractor. The solid waste must be transported from the site of the activity to the site of the recovery/disposal only in a manner that will not adversely affect the environment and in accordance with the appropriate National and European legislation and protocols.

Reason: ***To make provision for management of the loading and dumping at sea activities on a planned basis having regard to the desirability of ongoing assessment, recording and reporting of matters affecting the marine environment.***

Condition 3. Loading and Dumping at Sea Activities

3.1 All loading and dumping activities must be completed by 31 December 2033.

3.2 Material categorised as unsuitable for disposal must not be dumped at sea.

3.3 Dumping must be effected by release of the material through the hull of the vessel while the vessel is in motion or by plough dredging.

3.4 All plough dredging activities at Cheekpoint, including plough dredging sites at Cheekpoint Upper, Cheekpoint Lower and Cheekpoint Harbour Access, must be undertaken during spring tide periods only throughout the year. Plough dredging at all plough dredging sites other than those at Cheekpoint, is prohibited during the Closed Period specified in *Schedule A.5 Closed Period* of this permit.

3.5 During the period 1 March to 30 June annually, plough dredging activities at Cheekpoint, including Cheekpoint Upper, Cheekpoint Lower and Cheekpoint Harbour Access, must be carried out during daylight hours only.

3.6 Loading must be carried out principally by trailing suction hopper dredger, or by mechanical dredger unless otherwise agreed by the Agency in accordance with Condition 1.9 of this permit. Loading by mechanical dredging must be carried out only in loading areas at Belview Berths, Belview Turning Area, Belview to O'Brien's Quay, Cheekpoint Harbour Access, Great Island Jetty, O'Brien's Quay, Passage East Boathouse Quay and Passage East Shoal.

3.7 The trailing suction hopper dredger pumps must be switched off while the drag head is being lifted and returned to the bottom as the dredger turns between successive lines of dredging to minimise the risk of fish entrainment.

3.8 The permit holder must take measures to minimise the release of suspended solids into the water column during loading and on voyages to and from the dumping site, including as a minimum those measures specified in the application.

3.9 Overflow of dredged material from the vessel must not be permitted while the loading activity is being carried out and on voyages to the dumping site, unless otherwise agreed by the Agency.

3.10 Dumping activities must be conducted to ensure a uniform spread of material throughout the dumping site.

3.11 The permit holder must liaise with the relevant Harbour Masters, including Harbour Masters at the Port of Waterford Company and Dunmore East fishery harbour centre, prior to the commencement of and during the loading and dumping activities.

3.12 Information relating to the activity must be recorded during each dumping voyage to the satisfaction of the Agency and must as a minimum contain details of the following:

(a) the name of the vessel,

(b) the source of the substance or material,

(c) the date, time, location and position at which the voyage for the purposes of dumping began,

(d) the date, time and position at which the loading began,

(e) the date, time and position at which the loading ended,

(f) the date, time and position at which dumping began,

(g) the date, time and position at which dumping ended,

(h) the quantity, stated in metric tonnes, of the substance or material dumped and in the case of plough dredging, quantity to be calculated at the end of a campaign using bathymetric surveys,

(i) the date, time and position at which the vessel completed the voyage for the purpose of dumping, and

(j) automatically logged vessel track record data.

3.13 Prior to the commencement of the permitted activity, the permit holder must consult with the Marine Survey Office of the Department of Transport to ensure that all vessels used in connection with the loading and dumping activities specified in this permit meet the requirements of the Marine Survey Office, including that they are licensed as a passenger boat. The permit holder must ensure that the vessels used in connection with this permit are fully certified for the entire period of loading and dumping activities specified in this permit.

3.14 The permit holder must permit authorised officers and archaeologists and marine mammal observers to be on board the vessel. They must permit and facilitate the carrying out by the authorised officers of their functions under the Dumping at Sea Act 1996 as amended, and must comply with the provisions of that Act in relation to the authorised officers and those functions.

3.15 The permit holder must continue to investigate alternative re-use options for the dredged material that is the subject of this permit. A report on this investigation must be submitted as part of the AER every three years, in line with the sediment monitoring.

Reason: ***To provide for appropriate controls on loading and dumping at sea activities to ensure the protection of the marine environment.***

Condition 4. Control and Monitoring

4.1 The permit holder must carry out such sampling, analyses, measurements, examinations maintenance and calibrations as set out below and in accordance with *Schedule C: Monitoring* of this permit.

4.1.1 Analyses and measurements must be undertaken by competent staff in accordance with documented operating procedures.

4.1.2 Such procedures must be assessed for their suitability for the test matrix and performance characteristics must be determined.

4.1.3 Such procedures must be subject to a programme of Analytical Quality Control using control standards with evaluation of test responses.

4.1.4 Analysis for compliance purposes, including any sub-contracted analysis, must be done by a competent laboratory.

4.2 The permit holder must ensure that:

(a) sampling and analysis for all parameters listed in the schedules to this permit, and

(b) any reference measurements for the calibration of automated measurement systems,

must be carried out by an appropriate Standard Method.

4.3 All automatic monitors and samplers must be functioning at all times (except during maintenance and calibration) when the activity is being carried on unless alternative sampling or monitoring been approved in writing by the Agency for a limited period. In the event of the malfunction of any continuous monitor, the licensee must contact the Agency as soon as practicable, and alternative sampling and monitoring facilities must be put in place. The use of alternative equipment, other than in emergency situations, must be as approved by the Agency.

4.4 The frequency, methods and scope of monitoring, sampling and analyses, as set out in this permit, may be amended with the approval of the Agency following evaluation of test results.

4.5 On completion of the activities, the permit holder must provide the bathymetry data, monitored under *Schedule C: Monitoring* of this permit, to the United Kingdom Hydrographic Office at sdr@ukho.gov.uk and the Geological Survey Ireland at support@geodata.gov.ie so that the appropriate charts can be updated.

4.6 Sediment monitoring

4.6.1 A report on the sediment monitoring specified in *Schedule C: Monitoring* of this permit, must be submitted to the Agency within one month of completion of the analysis.

4.6.2 Following submission of the results of the sediment monitoring specified in *Schedule C: Monitoring* of this permit, loading and plough dredging may not proceed without the approval of the Agency.

4.7 Archaeology

4.7.1 The permit holder must notify the Underwater Archaeology Unit, National Monuments Service, Department of Housing, Local Government and Heritage prior to the commencement of the permitted loading and dumping activity.

4.7.2 The permit holder must comply with the archaeological monitoring requirements of the Underwater Archaeology Unit, National Monuments Service, Department of Housing, Local Government and Heritage.

4.7.3 The permit holder must implement all mitigation measures in relation to archaeology as set out in the report *Port of Waterford Navigation Maintenance Dredging Programme 2026-2033 Underwater Archaeological Impact Assessment (ADCO, January 2024),* submitted with the application for this dumping at sea permit.

4.7.4 The permit holder must immediately notify the Underwater Archaeology Unit, National Monuments Service, Department of Housing, Local Government and Heritage if any material of archaeological potential is encountered during the course of the permitted activities.

4.8 Water Quality Monitoring

4.8.1 The permit holder must implement the turbidity alarm level at the monitoring location specified in *Schedule C: Monitoring* of this permit, which are consistent with the alarm levels specified in the application for this dumping at sea permit.

4.8.2 The dumping activity must not give rise to turbidity levels at any monitoring location which exceed the predicted suspended solids values as agreed by the Agency, and in accordance with *Attachment F.1 (i) Waterford Estuary Plough Assessment (November 2017)* submitted with the application for this dumping at sea permit.

4.8.3 A report on the water quality monitoring, including compliance with Condition 4.8.2, must be submitted to the Agency as part of the AER.

4.8.4 The permit holder must, within two years of grant of this permit, undertake a water quality survey of shellfish waters and control site(s) to the satisfaction of the Agency in order to validate the information presented in *Attachment F.1 (iii) Port of Waterford: Dredge Disposal, Numerical modelling of disposal plume (November 2023)* and *Attachment F.1 (i) Waterford Estuary Plough Assessment (November 2017)* submitted as part of the application and to demonstrate that dumping activities are in compliance with the relevant parameters in the European Communities (Quality of Shellfish Waters) Regulations 2006. A report on this survey must be submitted with the AER.

4.9 The permit holder must, within two years of grant of this permit, undertake a study, to the satisfaction of the Agency, of sediment deposition in the proximity of aquaculture production sites and Surf Clam fishery in order to validate the information presented in Attachment F.1 (iii) Port of Waterford: Dredge Disposal, Numerical modelling of disposal plume (November 2023) submitted as part of the application. A report of the study and model validation must be submitted to the Agency as part of the AER.

4.10 Noise

The licensee must carry out a noise survey of the loading activities at Cheekpoint Lower or at any other noise sensitive location (NSL), as required by the Agency, in accordance with *Schedule C. 1.6 Noise Monitoring* of this permit. The survey programme must be undertaken in accordance with the methodology specified in the *'Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4)'*, as published by the Agency.

4.11 Marine Mammals

4.11.1 The permit holder must employ a Marine Mammal Observer for the purposes of overseeing the loading and dumping activities by trailing suction hopper dredger and mechanical dredging. The Marine Mammal Observer must meet the monitoring and reporting requirements of the National Parks and Wildlife Service. Full reporting on Marine Mammal Observer operations and mitigation undertaken should be made to the Agency and offshore@npws.gov.ie, or such other address as may be advised, within one month of completion of each campaign.

4.11.2 The permit holder must implement the risk control and mitigation measures for marine mammals as specified in the National Parks and Wildlife Services guidance, unless otherwise agreed by the Agency.

4.11.3 The permit holder shall implement clear 'soft start' or 'ramp-up' procedures during loading and plough dredging activities, whereby sound energy input to the marine environment is gradually or incrementally increased from levels unlikely to cause significant behavioural impact on fish or marine mammals to the full output necessary for completion of the activities.

4.11.4 The implementation of the risk control and mitigation measures for marine mammals must be to the satisfaction of the Agency.

4.12 Where relevant ambient monitoring results are available from any other statutory body, including the Agency, the permit holder may submit those results to contribute to the fulfilment of the requirements of *Schedule C: Monitoring* of this permit.

Reason: ***To provide for the protection of the marine environment by way of monitoring of the impacts associated with the loading and dumping at sea activities.***

Condition 5. Incident Prevention and Emergency Response

5.1 Incidents

In the event of an incident the permit holder must immediately:

(a) identify the date, time and place of the incident,

(b) carry out an investigation to identify the nature, source and cause of the incident and any impact arising therefrom,

(c) isolate the source of any such impact,

(d) evaluate the pollution, if any, caused by the incident, and

(e) identify and execute measures to minimise the impact and the effects thereof.

5.2 The permit holder must provide a report of the investigation into the incident to the Agency for its approval within one month of the incident occurring or as otherwise agreed by the Agency. The report must:

(a) identify and put in place measures to avoid recurrence of the incident, and

(b) identify and put in place any other appropriate remedial actions.

5.3 The permit holder must, in advance of the commencement of the activities, ensure that a documented Accident Prevention Procedure is in place that addresses hazards, particularly in relation to the prevention of accidents with a possible impact on the environment.

5.4 The permit holder must, in advance of the commencement of the activities, ensure that a documented Emergency Response Procedure is in place that addresses any emergency situation which may arise. This procedure must include provision for minimising the effects of any emergency on the environment.

Reason: ***To provide for the protection of the marine environment.***

Condition 6. Notification, Records and Reports

6.1 The permit holder must notify the Agency by webform or by any other means as may be specified by the Agency as soon as practicable after the occurrence of any incident. The permit holder must include as part of the notification, the date and time of the incident, summary details of the occurrence, and where available, the steps taken to minimise any impacts.

6.2 In the case of any incident relating to any impact on water, the permit holder must notify the Marine Institute, Sea Fisheries Protection Authority, Inland Fisheries Ireland, Bord Iascaigh Mhara and any other relevant authorities as soon as practicable after such an incident.

6.3 In the case of any incident relating to marine mammals or migratory fish, the permit holder must notify the National Parks and Wildlife Service, Marine Institute, Sea Fisheries Protection Authority and Inland Fisheries Ireland as soon as practicable after such an incident.

6.4 In the case of any incident relating to archaeology, the permit holder must notify the National Monuments Service as soon as practicable after such an incident.

6.5 The permit holder must make a record of any incident. This record must include details of the nature, extent, and impact of, and circumstances giving rise to, the incident. The record must include all corrective actions taken to manage the incident, and the effect on the marine environment, and avoid recurrence. The permit holder must, as soon as practicable following incident notification, submit to the Agency the incident record.

6.6 The permit holder must record all complaints related to the loading and dumping activities. Each such record must give details of the date and time of the complaint, the name of the complainant (if provided), and give details of the nature of the complaint. A record must be kept of the response made and any corrective action undertaken in the case of each complaint. This record must be made available to the Agency upon request.

6.7 The permit holder must as a minimum keep the following documents together and available for inspection by the Agency:

(a) the permit(s) relating to the loading and dumping activities,

(b) the previous years' AERs for the loading and dumping activities,

(c) records of all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this permit and any previous permits dating back at least three years,

(d) all correspondence with the Agency,

(e) the complaints register,

(f) up to date drawings/plans showing the location of the loading areas, the dumping sites and exclusion zones authorised by this permit,

(g) marine positional log, and

(h) any elements of the permit application and associated documentation referenced in this permit.

This documentation must be available to the Agency for inspection at all reasonable times and must be submitted to the Agency, as required, in such a format as may be requested, including electronic submittal of the information or a summary of such information.

6.8 The permit holder must submit electronically to the Agency, by the 31st March of each year, an AER covering the previous calendar year. This report must include as a minimum the information specified *in Schedule D: Annual Environmental Report* of this permit and must be prepared in accordance with any relevant guidelines issued by the Agency or as otherwise prescribed by the Agency.

6.9 A full record, which must be open to inspection by authorised officer of the Agency at all times, must be kept by the permit holder on matters relating to each load of the substance or material intended to be dumped and put on board the vessel. This record must be maintained continually and must as a minimum contain those details specified in Condition 3.12 of this permit. This information must be submitted as required by and as may be prescribed by the Agency as part of the Annual Environmental Report and immediately on request by an authorised officer.

6.10 All reports must be certified accurate and representative by the permit holder, manager or a nominated, suitably qualified and experienced deputy.

6.11 The permit holder must notify the Agency, in a format specified by the Agency, upon completion of the loading and dumping activities to which this permit relates.

6.12 The permit holder must submit the reports, proposals and submissions required by this permit by the deadlines specified. The permit holder will not be in compliance with the requirements of this condition unless it has submitted every report, proposal and submission, the deadline for which has passed.

6.13 The permit holder must carry out every action required by the Agency, and arising out of such reports, proposals or submission, by such deadline as the Agency may specify. The permit holder will not be in compliance with the requirements of this condition unless and until it has carried out every such action.

Reason: ***To provide for the collection and reporting of adequate information on the loading and dumping at sea activity.***

Condition 7. Financial Charges

7.1 Agency Charges

7.1.1 The permit holder must pay to the Agency a contribution or such sum, as the Agency from time to time determines having regard to variations in the extent of reporting, auditing, inspections, sampling and analysis or other functions carried out by the Agency, towards the cost of monitoring the activities as the Agency considers necessary for the performance of its functions under the Dumping at Sea Act 1996 as amended.

7.1.2 The cost of any other tests, sampling, analysis and monitoring which the Agency may require in relation to the loading and/or dumping of the substance or material the subject of this permit must be borne by the permit holder. Furthermore, the cost of any tests, sampling, analysis and monitoring surveys carried out by an authorised officer or by or on behalf of the Agency in relation to the sampling of a substance or material the subject of this permit must also be borne by the holder of the permit.

7.2 The Permit Holder must indemnify the Agency and its authorised officers against all cost incurred by him as a result of a breach of any of the conditions of this permit.

Reason: ***To provide for adequate financing for monitoring to protect the marine environment.***

SCHEDULE A: Limitations

A.1 Quantity of Dredged Material to be Dumped at Sea

Dumping Site A:

	Maximum annual quantity (tonnes, wet weight)	Total maximum quantity over the duration of the permit (tonnes, wet weight)
Dredged material	823,513	6,588,104

Plough Dredging Sites:

	Maximum annual quantity (tonnes, wet weight)	Total maximum quantity over the duration of the permit (tonnes, wet weight)
Dredged material	159,165	1,273,318

A.2 Rate of Disposal

Dumping Site	Maximum daily rate of disposal (tonnes, wet weight)
Dumping Site A	68,791
Plough Dredging Sites	3,356

A.3 Location of Dumping Sites

Dumping Site A:

	Latitude	Longitude
(i)	52°07.45' N	6°58.80' W
(ii)	52°07.10' N	6°58.80' W
(iii)	52°07.10' N	6°58.10' W
(iv)	52°07.45' N	6°58.10' W

Dumping Sites by Pough Dredging:

	Latitude	Longitude
Cheekpoint Lower	52° 16' 28.221"N	7° 0' 42.550"W
	52° 16' 24.327"N	7° 0' 30.841"W
	52° 16' 32.847"N	6° 59' 46.398"W
	52° 16' 36.967"N	6° 59' 59.342"W

Belview Berths	52° 15' 46.435"N	7° 2' 9.404"W
	52° 15' 45.621"N	7° 2' 7.765"W
	52° 16' 8.839"N	7° 1' 37.121"W
	52° 16' 9.672"N	7° 1' 38.735"W
Cheekpoint Upper	52° 16' 19.266"N	7° 1' 23.909"W
	52° 16' 22.041"N	7° 1' 13.928"W
	52° 16' 23.090"N	7° 1' 0.102"W
	52° 16' 16.602"N	7° 0' 53.086"W
	52° 16' 16.072"N	7° 1' 5.692"W
	52° 16' 13.530"N	7° 1' 19.705"W
Cheekpoint Harbour Access	52° 16' 23.931" N	6° 59' 28.688" W
	52° 16' 20.913" N	6° 59' 41.713" W
	52° 16' 20.165" N	6° 59' 43.383" W
	52° 16' 20.223" N	6° 59' 49.728" W
	52° 16' 21.975" N	6° 59' 49.058" W
	52° 16' 22.825" N	6° 59' 47.536" W
	52° 16' 22.931" N	6° 59' 45.935" W
	52° 16' 22.908" N	6° 59' 42.864" W
	52° 16' 25.825" N	6° 59' 33.267" W
Belview Turning Area	52° 15' 38.369"N	7° 2' 4.254"W
	52° 15' 45.311"N	7° 2' 2.625"W
	52° 15' 47.573"N	7° 2' 0.458"W
	52° 15' 49.695"N	7° 1' 57.107"W
	52° 15' 55.243"N	7° 1' 45.959"W
	52° 15' 50.122"N	7° 1' 52.204"W
	52° 15' 47.619"N	7° 1' 55.100"W
	52° 15' 42.920"N	7° 2' 0.244"W
	52° 15' 41.115"N	7° 2' 2.009"W
O'Brien's Quay	52° 15' 35.692" N	7° 2' 15.424" W
	52° 15' 35.246" N	7° 2' 13.439" W
	52° 15' 39.806" N	7° 2' 10.651" W
	52° 15' 40.243" N	7° 2' 12.636" W
Belview to O'Brien's Quay	52° 15' 45.621"N	7° 2' 7.765"W
	52° 15' 39.806"N	7° 2' 10.651"W
	52° 15' 41.086"N	7° 2' 16.471"W
	52° 15' 45.607"N	7° 2' 13.834"W
	52° 15' 46.435"N	7° 2' 9.404"W
Spit Light & Queen's Channel	52° 15' 18.500"N	7° 2' 29.357"W
	52° 15' 21.979"N	7° 2' 14.427"W
	52° 15' 25.462"N	7° 2' 16.728"W
	52° 15' 21.568"N	7° 2' 31.148"W
Frank Cassin Wharf	52° 15' 42.767"N	7° 6' 11.257"W
	52° 15' 43.541"N	7° 6' 10.302"W
	52° 15' 49.030"N	7° 6' 22.410"W
	52° 15' 48.235"N	7° 6' 23.390"W

North Wharf	52° 15' 56.803"N	7° 7' 3.081"W
	52° 15' 55.854"N	7° 7' 4.087"W
	52° 15' 52.705"N	7° 6' 56.197"W
	52° 15' 51.456"N	7° 6' 49.649"W
	52° 15' 50.494"N	7° 6' 36.521"W
	52° 15' 51.613"N	7° 6' 36.240"W
	52° 15' 52.540"N	7° 6' 49.111"W
	52° 15' 53.677"N	7° 6' 55.213"W
	52° 15' 53.715"N	7° 6' 55.349"W
Forde Wharf & Merchants Quay Marina	52° 15' 46.049" N	7° 6' 44.908" W
	52° 15' 47.605" N	7° 6' 43.932" W
	52° 15' 49.322" N	7° 6' 51.207" W
	52° 15' 50.936" N	7° 6' 59.686" W
	52° 15' 52.279" N	7° 7' 5.429" W
	52° 15' 51.281" N	7° 7' 6.052" W
	52° 15' 49.915" N	7° 7' 0.283" W
	52° 15' 49.735" N	7° 7' 0.392" W
	52° 15' 47.809" N	7° 6' 52.156" W
	52° 15' 47.613" N	7° 6' 44.876" W
Great Island Jetty	52° 16' 39.108"N	6° 59' 35.351"W
	52° 16' 36.589"N	6° 59' 36.322"W
	52° 16' 38.502"N	6° 59' 49.509"W
	52° 16' 41.020"N	6° 59' 48.538"W

A.4 Exclusion zones

Applicable Areas	Prohibited Activity	Reason for Closed Period
The exclusion zone extends to 250m north and 100m south (total 350m N-S) and 40m east and 60m west (total 100m E-W) of the centre point 52° 11.563' N, 06° 56.407' W, and shaded in red on map entitled 'Duncannon licensed Dredge Channel and Exclusion zone Boundaries', submitted to the Agency on 9th April 2019 by the Department of Culture, Heritage and the Gaeltacht.	All loading and dumping activities.	The protection of the archaeological features (wrecks).
Dumping Exclusion zone around George Millburn wreck located at 52.1240N, 6.9807W, as shown in "Figure 8 – Disposal Area" in Attachment D.2(ii) of the application.	Dumping activities.	

A.5 Closed Period

From	To	Applicable Areas	Reason for Closed Period
1st March every year	30th June every year	Plough Dredging Sites other than those at Cheekpoint which may be plough dredged at spring tide periods only throughout the year, in accordance with Condition 3.4.	For the protection of migratory fish and transitional and marine nursery habitat.

SCHEDULE B: Emission Limits

B.1 Noise Emissions

Daytime dB LAr,T (30 minutes)	Evening time dB LAr,T (30 minutes)	Night-time dB LAeq,T (15minutes) Note 1
55	50	45

Note 1: During night time hours, there must be no clearly audible tonal component or impulsive component in the noise emission from the activity at any noise-sensitive location.

SCHEDULE C: Monitoring

C.1 Monitoring at the Loading Areas and Dumping sites by plough dredging

C.1.1 Bathymetry Monitoring

Parameters	Monitoring Frequency/Time	Monitoring Locations	Analysis Method/Technique
Bathymetry & concurrent tide observations	• Within one week prior to the commencement of each loading and plough dredging campaign. • Within one week following completion of each loading and plough dredging campaign.	Loading areas and dumping sites by plough dredging (as per Conditions 1.3 and 1.4).	High resolution bathymetric survey and concurrent tidal height measurements.

C.1.2 Water Quality Monitoring

Parameters	Monitoring Frequency/Time	Monitoring Locations	Analysis Method/Technique
Turbidity Note 1	Continuous for duration of plough dredging activities at Cheekpoint and at a minimum one week prior to commencement of the plough dredging activities and one week after completion of the plough dredging activities.	1. Carter's Patch buoy, unless otherwise agreed by the Agency.	Alarmed turbidity sensor, deployed on moored buoy, to demonstrate compliance with Condition 4.8.2 of this permit.

Note 1: Site-specific relationship established between turbidity and suspended solids is 1.25, unless otherwise agreed by the Agency.

C.1.3 Sediment Monitoring

Parameters	Monitoring Frequency/Time	Monitoring Locations	Analysis Method/Technique
Visual inspection (to include colour, texture, odour, presence of animals etc.)	2026, 2029 & 2032	Loading areas and plough dredging sites as per Conditions 1.3 and 1.4. Sediment sampling locations MD1-MD18, as shown on Sampling Plan figure under of "Attachment B.1 (iv)- Comparison to Irish Action Levels" and as per position/ coordinates provided under "Attachment B.1(ii) Dumping at Sea Material Analysis Reporting Forms" of the application.	Grab sampling of surface sediments and analysis by Standard Method [Note 2]
Water content & sediment density			
Sediment grain size: [Note 1] % gravel (> 2mm fraction) % sand (< 2mm fraction) % mud/silt (< 63μm fraction)			
Total organic carbon; Carbonate; Mercury; Arsenic; Cadmium; Copper; Lead; Zinc; Chromium; Nickel; Lithium; Aluminium; TBT; DBT; HCB; γ-HCH (Lindane); Total extractable hydrocarbons; Individual congeners of PCB 28, 52, 101, 118, 138, 153, 180; Naphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Dibenzo(ah)anthracene,			

Parameters	Monitoring Frequency/Time	Monitoring Locations	Analysis Method/Technique
Benzo(ghi)perylene, Indeno(123-cd)pyrene, pp DDT, pp DDD, pp DDE.			
Radionuclides	2026, 2029 & 2032	Sediment sampling locations W1-W4, as per coordinates provided under response 5 of "Section 5(2) Response_2" dated 19/12/2025 of the application	Grab sampling of surface sediments and analysis by gamma spectrometry.

Note 1: Monitoring of granulometry must include but not be limited to the following fractions: >2 mm, <2 mm, >63 µm and <63 µm.

Note 2: Sampling and analyses must be conducted in accordance with the analytical and quality requirements set out in: M. Cronin et al. 2006. Guidelines for the Assessment of Dredge Material for Disposal in Irish Waters. Marine Environment & Health Series, No. 24. Marine Institute.

C.1.4 Marine Mammal Monitoring

Parameters	Monitoring Frequency/Time	Monitoring Locations	Analysis Method/Technique
Marine mammals	Duration of the loading activities.	Within a 500m radial distance of the dredging vessel in the loading areas (as per Condition 1.3).	Monitoring to be undertaken by an independent Marine Mammal Observer with relevant experience.

C.1.5 Archaeology Monitoring

Parameters	Monitoring Frequency/Time	Monitoring Locations	Analysis Method/Technique
Archaeology	Duration of the loading activities during the first year of activities, unless otherwise agreed by the Agency.	Areas subject to archaeological monitoring (O'Brien's Quay, Cheekpoint Lower bar and Cheekpoint harbour access) as specified in report Port of Waterford Navigation Maintenance Dredging.	Monitoring to be undertaken by a suitably qualified archaeologist under a licence issued by the Department of Housing, Local Government and Heritage.

Parameters	Monitoring Frequency/Time	Monitoring Locations	Analysis Method/Technique
		Programme 2026-2033 Underwater Archaeological Impact Assessment, submitted with the application.	

C.1.6 Noise Monitoring

Location	Frequency
NSL1 (Cheekpoint) ***Any other NSL as may be required by the Agency***	During loading activities at Cheekpoint Lower Bar, as required by the Agency under Condition 4.10.
Period	**Minimum Survey Duration**
Daytime	A minimum of 3 sampling periods at each noise monitoring location. Note 2
Evening-time	A minimum of 1 sampling period at each noise monitoring location.
Night-time Note 1	A minimum of 2 sampling periods at each noise monitoring location.

Note 1: Night-time measurements should be made between 2300 hrs and 0400 hrs, Sunday to Thursday, with 2300 hrs being the preferred start time.

Note 2: Sampling period is to be the time period T stated as per *Schedule B.1 Noise Emissions* of this permit. This applies to day, evening and night time periods.

C.2 Monitoring at Dumping Site

C.2.1 Bathymetry Monitoring

Parameters	Monitoring Frequency/Time	Monitoring Locations	Analysis Method/Technique
Bathymetry & concurrent tide observations	Within one week prior to the commencement of each dumping campaign. Within one week following completion of each dumping campaign.	Dumping Site A, as per Condition 1.5 of this permit.	High resolution bathymetric survey and concurrent tidal height measurements.

SCHEDULE D: Annual Environmental Report

Annual Environmental Report Content [Note 1]
Register/log of loading and dumping activities.
OSPAR dumping report.
Reported incidents summary.
Complaints summary.
Monitoring Summary.
Marine Mammal Monitoring Report.
Accident Prevention Procedure.
Emergency Response Procedure.
Investigation of alternative re-uses summary.
Any other items specified by the Agency.

Note 1: Content may be revised subject to the approval of the Agency.

Sealed by the Seal of the Agency on this the 5th day of February 2026.

PRESENT when the Seal of the Agency was affixed hereto:

Kathleen Byrne, Authorised Person