

Marine Licence Application for Dredging and Sea Disposal

Version 1.0

Marine (Scotland) Act 2010

Acronyms

Please note the following acronyms referred to in this application form:

BPEO	Best Practicable Environmental Option
MHWS	Mean High Water Springs
MMO	Marine Mammal Observer
MPA	Marine Protected Area
MS-LOT	Marine Scotland – Licensing Operations Team
PAM	Passive Acoustic Monitoring
SAC	Special Area of Conservation
SNH	Scottish Natural Heritage
SPA	Special Protection Area
SSSI	Site of Special Scientific Interest
WGS84	World Geodetic System 1984

Explanatory Notes

The following numbered paragraphs correspond to the questions on the application form and are intended to assist in completing the form. These explanatory notes are specific to this application and so you are advised to read these in conjunction with the Marine Scotland Guidance for Marine Licence Applicants document.

1. Applicant Details

The person making the application who will be named as the licensee.

2. Dredging Contractor Details

The person whose activities produce the substance(s) or object(s) to be dredged and/or intended for sea disposal (e.g the dredging contractor).

3. Agent Details

Any person acting under contract (or other agreement) on behalf of any party listed as the applicant and having responsibility for the control, management or physical deposit or removal of any substance(s) or object(s).

4. Payment

Indicate payment method. Cheques must be made payable to: The Scottish Government.

Marine licence applications will not be accepted unless accompanied by a cheque for the correct application fee, or if an invoice is requested, until that invoice is settled. Target timelines for determining applications do not begin until the application fee is paid.

5. Application Type

Indicate if the application is for a new dredging site or a site that has previously been dredged. Provide the existing or previous consent/licence number, expiry date and quantity (in wet tonnes) dredged under the consent/licence up to a stated date if applicable.

6. Dredging and Sea Disposal Details

- (a) Give a brief description of the dredging and sea disposal operation.
- (b) Provide the proposed start date of the project. The start date will not be backdated, since to commence a project for which a licence has not been obtained will constitute an offence, which may result in appropriate legal action. A licence is normally valid for the duration of the project but not exceeding 3 years. If a project will not be completed before a marine licence lapses, it will be necessary for licence holders to re-apply for a further licence to continue any ongoing work at least 14 weeks prior to the expiry date of the licence. **Target duration for determination of a marine licence application is 14 weeks.**
- (c) Provide the proposed completion date of the project.

- (d) Describe the location of the proposed works. Include a list of the latitude and longitude co-ordinates (WGS84) of the boundary points for each dredge site area. WGS84 is the World Geodetic System 1984 and the reference co-ordinate system used for marine licence applications. Co-ordinates taken from GPS equipment should be set to WGS84. Coordinates taken from recent admiralty charts will be on a WGS84 compatible datum. Ordnance survey maps do not use WGS84.

Example: For positions read from charts the format should be as in the example: 55°55.555'N 002°22.222'W (WGS84). The decimal point specifies that decimals of minutes are used and the datum is stated explicitly. If seconds are used then the format should be as in the example: 55°55'44"N 2°22'11"W (WGS84).

It is important that the correct positions, in the correct format, are included with this application, as any errors will result in the application being refused or delayed.

To supplement your application, please provide a suitably scaled extract of an Ordnance Survey Map (1:2,500 scale but not more than 1:10,000) or Admiralty Chart which must be marked to indicate:

- the full extent of the works in relation to the surrounding area;
- latitude and longitude co-ordinates defining the location of the works;
- the level of MHWS;
- any adjacent SAC, SPA, SSSI, MPA, Ramsar or similar conservation area boundary.

Drawings and plans will be consulted upon. If they are subject to copyright, **it is the responsibility of the applicant to obtain necessary approvals to reproduce the documents and to submit suitably annotated copies with the application.**

- (e) Provide details of the proposed disposal site for the dredged substance(s) or object(s) and, if necessary, any alternative disposal site(s) considered. In determining whether to grant a marine licence, MS-LOT will take into account any site nominated by the applicant. However, should this site be unsuitable, the nearest suitable disposal site for the dredged substance(s) or object(s) will be identified. Should you wish to establish a new site, please provide details in a covering letter with your application and MS-LOT will contact you to discuss your proposal before your application is determined. The cost of any site investigations to identify any new disposal site will normally be the responsibility of the applicant.
- (f) Indicate if any part of the works (dredging or sea disposal site) are located within the jurisdiction of a statutory harbour authority and provide details of the statutory harbour authority where relevant.
- (g) Provide a full method statement. The method statement must include details such as the rate of dredging, timing of the operation and order of the areas to be dredged.
- (h) Provide assessment of the potential impacts the works may have, including interference with other uses of the sea. Please include details of areas of concern e.g designated conservation areas, such as a SAC, SPA, SSSI, MPA or Ramsar site and shellfish harvesting areas. Further guidance on designated conservation areas can be obtained from SNH at this website: <http://gateway.snh.gov.uk/sitelink/index.jsp> and guidance on shellfish harvesting areas can be obtained from <http://www.foodstandards.gov.scot/> with regards to the Shellfish Waters Directive (2006/113/EC) which has parameters set to protect the water quality in which edible shellfish are grown.

Applicants should also be aware of the need to pay due regard to coastal and marine archaeological matters and attention is drawn to Historic Scotland's Operational Policy Paper HP6, "Conserving the Underwater Heritage".

Any application for beach replenishment works must be cross checked as to whether the proposed site is a designated bathing water site. If so, all physical works should ideally be done outwith the Bathing Water Season (1st June to 15th September). Further guidance on the Bathing Waters Directive (2006/7/EC) can be obtained from <http://apps.sepa.org.uk/bathingwaters/>.

Where there are potential impacts from the works, please provide details of proposed mitigation, such as use of MMOs or PAM, in response to potential impacts.

7. Details of Substance(s) or Object(s) to be Dredged

Information is required for each dredge site area listed in section 6 (d). please provide the following information:

Name of Dredge Area: For example Approach Channel or West of South Quay.

Type (Maintenance or Capital): **Maintenance dredge** applies to an area that has been dredged more than once and either annually or on a regular basis and was last dredged with the past 7 years; and a **Capital dredge** applies where an area/depth is being dredged either for the first time, or which has not been dredged within the past 7 years.

For capital dredging operations, a pre-dredge survey and sediment chemical analysis report will be required by MS-LOT prior to the issue of a sea disposal licence. Please contact MS-LOT for details in relation to specific projects. For maintenance dredging operations sites that have not been chemically analysed for more than 3 years, pre-dredge chemical analysis will be required to be undertaken. In addition to those samples analysed by the applicant, sediment sub-sample(s) must be submitted to MS-LOT as check monitoring may be required.

Estimated Specific Gravity: Indicate the specific gravity of the substance(s) or object(s) to be dredged from each dredge area.

Depth: Indicate the maximum depth (in metres) below the current seabed level, to which it is expected dredging is to be carried out, for each dredge area.

Quantity to be Dredged per Year (wet tonnes): Indicate the quantity of substance(s) or object(s) to be dredged (per year) from each dredge area. The quantity must be provided in wet tonnes.

8. Physical Composition

Indicate the approximate proportions as a percentage for each size range against each of the dredge site areas listed in section 6 (d) which are expected to be removed.

9. Details of Substance(s) or Object(s) Quality

Please indicate whether the substance(s) or object(s) from any of the areas to be dredged have been chemically analysed within the past 3 years. If yes, please provide details (locations, dates, results) on a separate sheet. If no, please provide justification. For capital projects, you are required to have representative sediment samples analysed at a laboratory of choice (see MS-LOT Pre-dredge Sampling Guidance document at <http://www.gov.scot/Topics/marine/Licensing/marine/Applications/predredge> for analytical requirements. This is liable to extend the time required to consider your application as **marine licence applications will not be determined without provision of this chemistry data.**

As part of the application determination process, you are required to carry out an assessment of the chemical and physical characteristics of the substance(s) or object(s) to be deposited at sea and potential effects upon the marine environment. It is your responsibility to show that the substance(s) or object(s) are suitable to be considered for sea disposal. This assessment should form part of your BPEO.

Under section 27(2) of the Marine (Scotland) Act 2010, the licensing authority has an obligation to consider the availability of practical alternatives when considering applications involving disposal of substance(s) or object(s) at sea. All applications for sea disposal must be supported by a detailed assessment of the alternative options - BPEO assessment. This must include a statement setting out the reasons why deposit of the substance(s) or object(s) at sea is the preferred option and applications will not be considered unless they are accompanied by such an assessment. All options in the BPEO must be explored fully (as per the guidance documents) otherwise your form and BPEO are liable to be returned to you, thereby delaying processing of the application.

As part of the licence conditions, you are likely to be required to take representative samples of the dredged substance(s) or object(s) during the dredging/sea disposal operations for analysis by MS-LOT. In such cases, samples must be taken at specified locations and depths and placed in containers which will be provided. The

samples must then be returned to MS-LOT at the Marine Laboratory Aberdeen. This process enables MS-LOT to fulfil its obligations under international conventions.

10. Details of Vessel(s) Undertaking Dredging and Sea Disposal

Provide the vessel name, vessel type (e.g cutter-suction) and name and address of all vessel operators to be used for dredging and sea disposal operations. If vessel details are not available at the time of application, please indicate this on the form as these details will be required prior to licence issue.

11. Noise Monitoring

Under the Marine Strategy Regulations (2010), there is now a requirement to monitor loud, low to mid frequency (10Hz to 10kHz) impulsive noise. Activities where this type of noise is produced include seismic airguns, other geophysical surveys (<10kHz), pile driving, explosives and certain acoustic deterrent devices. Where noisy activity is being undertaken, you must complete an initial registration form for the noise registry which allows you to provide details on the proposed work. Completion of a 'close-out' form, which allows licensees to provide details of the actual dates and locations where the activities occurred, is also required within 12 weeks of the completion of the 'noisy' activity or, in the case of prolonged activities such as piling for harbour construction or wind farms, at quarterly intervals or after each phase of foundation installation.

These forms can be downloaded from:

<http://www.scotland.gov.uk/Topics/marine/science/MSInteractive/Themes/noise-reduction>

Marine licence applications will not be accepted until this form has been completed and submitted.

12. Statutory Consenting Powers

Please describe in the answer to this question what (if any) statutory responsibilities you (or your client) have to consent any aspect of the project.

13. Scotland's National Marine Plan

Scotland's National Marine Plan has been prepared in accordance with the EU Directive 2014/89/EU, which came into force in July 2014. The Directive introduces a framework for maritime spatial planning and aims to promote the sustainable development of marine areas and the sustainable use of marine resources. It also sets out a number of minimum requirements all of which have been addressed in this plan. In doing so, and in accordance with article 5(3) of the Directive, Marine Scotland have considered a wide range of sectoral uses and activities and have determined how these different objectives are reflected and weighted in the marine plan. Land-sea interactions have also been taken into account as part of the marine planning process. Any applicant for a marine licence should consider their proposals with reference to Scotland's National Marine Plan. A copy of Scotland's National Marine Plan can be found at:

<http://www.gov.scot/Publications/2015/03/6517/0>

Indicate whether you have considered the project with reference to Scotland's National Marine Plan and provide details of considerations made including reference to the policies that have been considered. If you have not considered the project with reference to Scotland's National Marine Plan please provide an explanation.

14. Consultation

Provide details of all bodies consulted and give details of any consents issued including date of issue.

15. Associated Works

Indicate whether the application is associated with any other marine projects (e.g. land reclamation, or marine/harbour construction works etc). If this is the case, provide reference/licence number for the related marine projects.

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It is the responsibility of the applicant to obtain any other consents or authorisations that may be required.

Under Section 54 of the Marine (Scotland) Act 2010, all information contained within and provided in support of this application will be placed on a Public Register. There are no national security grounds for application information not going on the Register under the 2010 Act.

Public Register

Do you consider that any of the information contained within or provided in support of this application should not be disclosed:

- (a) for reasons of national security; YES ☐ NO ☐
- (b) for reasons of confidentiality of commercial or industrial information where such confidentiality is provided by law to protect a legitimate commercial interest? YES ☐ NO ☐

If **YES**, to either (a) or (b), please provide full justification as to why all or part of the information you have provided should be withheld.

WARNING

It is an offence under the Act under which this application is made to fail to disclose information or to provide false or misleading information.

Target duration for determination is 14 weeks. Please note that missing or erroneous information in your application and complications resulting from consultation may result in the application being refused or delayed.

Marine licence applications will not be accepted unless accompanied by a cheque for the correct application fee, or if an invoice is requested, until that invoice is settled. Target timelines for determining applications do not begin until the application fee is paid.

Declaration

I declare to the best of my knowledge and belief that the information given in this form and related papers is true.

Signature [Redacted]

Date

14/06/19

Name in BLOCK LETTERS

Craig Potter

Application Check List

Please check that you provide all relevant information in support of your application, including but not limited to the following:

- Completed and signed application form ☒
- Maps/Charts ☐
- Co-ordinates of the boundary points of the area of harbour jurisdiction (if you are a statutory harbour authority) ☐
- Method Statement ☐ TBC
- BPEO Assessment ☒
- Analytical chemistry data (for capital projects) ☒
- Transportation plan (dredger route to and from disposal site – if required) ☐
- Additional information e.g. photographs, consultation correspondence ☐
- Noise Registry – Initial Registration Form (if applicable) ☐ TBC
- Payment (if paying by cheque) ☐

1. Applicant Details

Title: Initials: Surname:

Trading Title (if appropriate):

Address:

Name of contact (if different):

Telephone No. (inc. dialing code):

Email:

Statutory Harbour Authority? YES ☐ NO ☐

If **YES**, please provide a list of the latitude and longitude co-ordinates (WGS84) of the boundary points of the area of harbour jurisdiction using Appendix 01 Additional Co-ordinates form if necessary.

2. Dredging Contractor Details (if any)

Title: Initials: Surname:

If the Dredging Contractor is the Applicant shown in section 1 please tick the box ☐

Trading Title (if appropriate):

Address:

Name of contact (if different):

Telephone No. (inc. dialing code):

Email:

3. Agent Details (if any)

Title: Initials: Surname:

Trading Title (if appropriate):

Address:

Name of contact (if different):

Telephone No. (inc. dialing code):

Email:

4. Payment

Enclosed Cheque ☐

Invoice ☐

Contact and address to send invoice to:

Applicant ☐

Agent ☐

Other ☐

If **OTHER**, please provide contact details:

Title:

Initials:

Surname:

Address:

Email:

5. Application Type

Is this application for a new dredging site or a site that has previously been dredged:

New Site ☐ Previously Dredged Site ☐

If an **PREVIOUSLY DREDGED SITE**, please provide the following:

Consent/Licence Number	Expiry Date	Quantity (wet tonnes) dredged under consent/licence as at (date)

6. Dredging and Sea Disposal Details

(a) Brief description of the dredging and sea disposal operation:

(b) Proposed start date (**Target duration for determination of a marine licence application is 14 weeks**):

(c) Proposed completion date:

(d) Location of Dredging:

Latitude and Longitude co-ordinates (WGS84) defining the extent of all dredge areas (continue on Appendix 01 Additional Co-ordinates form if necessary):

Dredge Area A

Latitude									Longitude								
		°			.			' N				°			.		' W
		°			.			' N				°			.		' W
		°			.			' N				°			.		' W
		°			.			' N				°			.		' W
		°			.			' N				°			.		' W
		°			.			' N				°			.		' W

Dredge Area B

Latitude								Longitude							
		°			.		' N				°			.	' W
		°			.		' N				°			.	' W
		°			.		' N				°			.	' W
		°			.		' N				°			.	' W
		°			.		' N				°			.	' W
		°			.		' N				°			.	' W

Dredge Area C

Latitude								Longitude							
		°			.		' N				°			.	' W
		°			.		' N				°			.	' W
		°			.		' N				°			.	' W
		°			.		' N				°			.	' W
		°			.		' N				°			.	' W
		°			.		' N				°			.	' W

Dredge Area D

Latitude								Longitude							
		°			.		' N				°			.	' W
		°			.		' N				°			.	' W
		°			.		' N				°			.	' W
		°			.		' N				°			.	' W
		°			.		' N				°			.	' W
		°			.		' N				°			.	' W

Dredge Area E

Latitude								Longitude							
		°			.		' N				°			.	' W
		°			.		' N				°			.	' W
		°			.		' N				°			.	' W
		°			.		' N				°			.	' W
		°			.		' N				°			.	' W
		°			.		' N				°			.	' W

(e) Name of Disposal Site and Oslo Code:

Latitude and Longitude co-ordinates (WGS84) defining the extent of disposal site (continue on Appendix 01 Additional Co-ordinates form if necessary):

Latitude								Longitude							
		°			.		' N				°			.	' W
		°			.		' N				°			.	' W
		°			.		' N				°			.	' W
		°			.		' N				°			.	' W



(f) Is any part of the works (dredging or sea disposal site) located within the jurisdiction of a statutory harbour authority?

YES ☐ NO ☐

If **YES**, please specify statutory harbour authority:

(g) Method statement including rate of dredging, timing of the operation and order of the areas to be dredged (continue on separate sheet if necessary):

(h) Potential impacts the works may have (including details of areas of concern e.g. designated conservation and shellfish harvesting areas) and proposed mitigation in response to potential impacts (continue on separate sheet if necessary):

7. Details of Substance(s) or Object(s) to be Dredged (Please provide details for each of the Dredge Areas listed in Section 5 (d) above. Continue on a separate sheet if necessary):

Dredge Area	Name of Dredge Area	Type (Maintenance or Capital)	Harbour bed, Seabed or Estuary bed?	Estimated Specific Gravity	Depth (metres)	Quantity to be Dredged per Year (wet tonnes)
A						
B						
C						
D						
E						

8. **Physical Composition of Substance(s) or Object(s) to be Dredged** (Please provide the approximate proportions as a percentage for each size range against each of the dredge site areas listed in Section 6 (d) above. Continue on a separate sheet if necessary):

Dredge Area	Clay and Silt (< 0.063 mm)	Sand ($0.063 \leq \text{Sand} < 2.0$ mm)	Pebbles, Cobbles & Boulders (≤ 2.0 mm)
A			
B			
C			
D			
E			

9. **Details of Substance(s) or Object(s) Quality**

Have the dredged substance(s) or object(s) been chemically analysed in the last 3 years?

YES ☐ NO ☐

10. **Details of Vessel(s) Undertaking Dredging and Sea Disposal** (please note that a marine licence cannot be issued until the vessel details have been confirmed. Continue on a separate sheet if necessary):

Vessel Name	Type of Vessel	Name and Address of Operator

11. Noise Monitoring

Will loud, low to mid frequency (10Hz to 10kHz) impulsive noise be produced by the project?

YES ☐ NO ☐

If **YES**, which please indicate the noise generating activities and sound frequencies:

Noise Generating Activity	Sound Frequency (Hertz)
Use of Explosives	
Other (please describe below):	

If you have ticked **YES**, please complete the Noise Registry – Initial Registration form located at:
<http://www.scotland.gov.uk/Topics/marine/science/MSInteractive/Themes/noise-reduction>

A marine licence application will not be accepted until this form has been completed and submitted.

12. Statutory Consenting Powers

Do you, or (if appropriate) your client, have statutory powers to consent any aspect of this project?

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13. Scotland's National Marine Plan

Have you considered the application with reference to Scotland's National Marine Plan?

YES ☐ NO ☐

If **YES**, provide details of considerations made including reference to the policies that have been considered:

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If **NO**, please provide an explanation of why you haven't considered the National Marine Plan?

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14. Consultation

List all bodies you have consulted and provide copies of correspondence:

15. Associated Works

Provide details of other related marine projects, including reference/licence numbers (if applicable):

	X	Y	DMS (Degrees Minutes Seconds)	DDM (Degrees Decimal Minutes)
6m Dredge				
	279448.000122	868805.151197	57°41'35.297"N 4°1'21.306"W	57 41.588286 -4 1.355095
	279448.000122	868748.938721	57°41'33.48"N 4°1'21.207"W	57 41.558006 -4 1.353446
	279487.897483	868749.311823	57°41'33.531"N 4°1'18.801"W	57 41.558847 -4 1.313349
	279487.897483	868790.164684	57°41'34.855"N 4°1'18.872"W	57 41.580924 -4 1.31454
	279482.589679	868793.038022	57°41'34.94"N 4°1'19.201"W	57 41.582335 -4 1.320013
	279473.580872	868797.9151	57°41'35.09"N 4°1'19.761"W	57 41.584832 -4 1.329342
	279457.347107	868804.553528	57°41'35.286"N 4°1'20.743"W	57 41.588107 -4 1.345722
10m Dredge				
	279487.944747	868677.374227	57°41'31.208"N 4°1'18.669"W	57 41.520131 -4 1.311145
	279397.949657	868688.902901	57°41'31.493"N 4°1'24.125"W	57 41.524883 -4 1.402088
	279487.949657	868748.938727	57°41'33.512"N 4°1'18.804"W	57 41.558539 -4 1.313392
	279398.000122	868750.000122	57°41'33.47"N 4°1'24.229"W	57 41.557836 -4 1.403819
12m Dredge				
	279346.656412	868989.888535	57°41'41.178"N 4°1'27.766"W	57 41.686303 -4 1.462773
	279397.836345	868974.490543	57°41'40.728"N 4°1'24.672"W	57 41.678797 -4 1.411204
	279397.949657	868688.902901	57°41'31.483"N 4°1'24.116"W	57 41.524714 -4 1.401932

Appendix 1 – Outline Coordinate Lists for Dredge Areas, Dredge Slopes and Extent Below MHWS

	279346.893494	868695.948914	57°41'31.669"N 4°1'27.223"W	57 41.527809 -4 1.453717
Extent Below MHWS	DMS			DDM
	279545.420484	868815.914891	57°41'35.777"N 4°1'15.405"W	57 41.59629 -4 1.256742
	279539.397663	868807.754126	57°41'35.48"N 4°1'15.835"W	57 41.591325 -4 1.263925
	279560.890586	868782.916109	57°41'34.646"N 4°1'14.446"W	57 41.57743 -4 1.240774
	279563.536423	868757.449905	57°41'33.912"N 4°1'14.278"W	57 41.565207 -4 1.237962
	279556.9219	868729.007125	57°41'32.949"N 4°1'14.608"W	57 41.549143 -4 1.243461
	279541.708325	868702.54875	57°41'32.078"N 4°1'15.518"W	57 41.534636 -4 1.258636
	279502.351449	868669.806516	57°41'30.979"N 4°1'17.918"W	57 41.516309 -4 1.298639
	279490.114429	868665.176238	57°41'30.831"N 4°1'18.549"W	57 41.513858 -4 1.309158
	279454.064867	868675.098133	57°41'31.14"N 4°1'20.676"W	57 41.518998 -4 1.344607
	279454.064867	868675.098133	57°41'31.14"N 4°1'20.676"W	57 41.518998 -4 1.344607
	279321.428131	868687.489624	57°41'31.421"N 4°1'28.812"W	57 41.523677 -4 1.480192
	279321.427541	868796.63896	57°41'34.86"N 4°1'28.908"W	57 41.580996 -4 1.481792
	279316.849195	868870.756684	57°41'37.284"N 4°1'29.33"W	57 41.621395 -4 1.488841
	279300.60624	868942.98928	57°41'39.61"N 4°1'30.483"W	57 41.660173 -4 1.508055
	279292.591943	868999.237822	57°41'41.416"N 4°1'31.064"W	57 41.69026 -4 1.517727

	279429.131492	868998.600303	57°41'41.547"N 4°1'22.823"W	57 41.692457 -4 1.380383
	279428.104287	868872.607561	57°41'37.476"N 4°1'22.628"W	57 41.624608 -4 1.377133
	279467.14	868863.921133	57°41'37.207"N 4°1'20.183"W	57 41.620124 -4 1.336391
	279477.911907	868850.923297	57°41'36.84"N 4°1'19.62"W	57 41.613998 -4 1.326992
East Dredge Slope	DMS			DDM
	279448.000122	868840.968995	57°41'36.482"N 4°1'21.39"W	57 41.608034 -4 1.356496
	279469.108207	868838.552243	57°41'36.387"N 4°1'20.138"W	57 41.606442 -4 1.335628
	279479.921883	868835.466014	57°41'36.295"N 4°1'19.413"W	57 41.604923 -4 1.323556
	279532.271218	868803.231206	57°41'35.345"N 4°1'16.244"W	57 41.589077 -4 1.270726
	279544.985608	868767.917069	57°41'34.19"N 4°1'15.412"W	57 41.569827 -4 1.256867
	279532.954746	868720.512216	57°41'32.651"N 4°1'16.07"W	57 41.544189 -4 1.267826
	279527.817995	868710.367402	57°41'32.301"N 4°1'16.29"W	57 41.538353 -4 1.271497
	279507.516856	868697.716023	57°41'31.87"N 4°1'17.536"W	57 41.531174 -4 1.292274
	279487.944747	868677.374227	57°41'31.223"N 4°1'18.699"W	57 41.52038 -4 1.311652
	279487.897483	868790.164684	57°41'34.84"N 4°1'18.877"W	57 41.580673 -4 1.314612
	279457.347107	868804.553528	57°41'35.311"N 4°1'20.749"W	57 41.588519 -4 1.345818
	279448.000122	868805.151197	57°41'35.303"N 4°1'21.276"W	57 41.588379 -4 1.354601

North Dredge Slope		DMS		DDM
	279397.795945	868996.336324	57°41'41.46"N 4°1'24.704"W	57 41.690992 -4 1.411738
	279397.836345	868974.490543	57°41'40.733"N 4°1'24.644"W	57 41.678883 -4 1.410729
	279346.656412	868989.888535	57°41'41.197"N 4°1'27.747"W	57 41.686615 -4 1.462444
	279334.597127	868996.414712	57°41'41.366"N 4°1'28.515"W	57 41.689442 -4 1.475256
	279397.795945	868996.336324	57°41'41.439"N 4°1'24.663"W	57 41.690647 -4 1.411052
West Dredge Slope		DMS		DDM
	279346.656412	868989.888535	57°41'41.176"N 4°1'27.725"W	57 41.686264 -4 1.462091
	279346.608531	868854.43667	57°41'36.803"N 4°1'27.561"W	57 41.613379 -4 1.459357
	279346.893494	868695.948914	57°41'31.673"N 4°1'27.211"W	57 41.527883 -4 1.453521
	279342.328317	868701.052574	57°41'31.81"N 4°1'27.459"W	57 41.530171 -4 1.457645
	279336.241633	868729.697828	57°41'32.765"N 4°1'27.944"W	57 41.54609 -4 1.465725
	279334.552344	868749.798041	57°41'33.38"N 4°1'28.074"W	57 41.556326 -4 1.467895
	279334.387034	868854.43667	57°41'36.765"N 4°1'28.287"W	57 41.612758 -4 1.471443
	279334.597127	868996.414712	57°41'41.384"N 4°1'28.496"W	57 41.689732 -4 1.474939

Appendix 3

Consideration of Scotland's National Marine Plan 2015 – Nigg East Quay

Principles of sustainable development are embedded within the NMP2015; where the use of the marine environment for sustainable economic growth is recognised and promoted (Gen 1), specifically in remote areas susceptible to rural depopulation and stagnant economies (Gen 2). This is particularly relevant to the growth sectors which Scotland specialises in (ie. oil and gas and renewable energy initiatives). In this case, the use of the marine environment will stimulate economic activity for local communities, which is likely to have many indirect social benefits in the form of local investment in services; local training and skills development; employment generation; opportunities for investment and trade; and overall maintenance of/potential increase in local populations (Gen 3/ Chapter 8: Other Issues).

Gen 4 (co-existence) focusses on the management of compatible and synergistic developments within one location through the co-existence of suitable developments/sectors. In this case, Nigg skills academy operates from within Nigg Energy Park where relevant infrastructure and practical work experience is available onsite. Promotion and integration of the services provided at Nigg (ie.renewables bulk handling, fabrication and offshore maintenance in addition to decommissioning prospects) ensures the site's continued 'multi-user' functionality and the associated benefits of co-existence.

The proposed development has been subject to an updated ZTV analysis (with viewpoints consulted and agreed upon with The Highland Council (THC) beforehand (Chapter 8: Other Issues, Section 8.8) and it was concluded that the proposed development will still allow for appreciation of the landscape character and cultural heritage of the study area and associated heritage assets (Gen 7). Coastal processes and flooding have been assessed in depth (as per Gen 8) to ensure there are minimal adverse impacts based on a precautionary and risk-based approach to modelling and assessment, this ensures an understanding of emerging evidence in coastal processes and sea level rise.

A Noise Impact Assessment was also undertaken for the proposed development as part of the EIAR (Gen 13), which concluded that only a slight adverse effect at the Balnapaling receptor for night time and weekend daytime was predicted. This is a short-term construction impact which will be mitigated by means of limiting impact hammer use; utilising quiet hammer systems and acoustic shrouding during the construction phase. Global Energy Nigg Limited have also opted to construct a 2m landscaped bund along the eastern boundary, to further reduce operational noise impacts from East Quay.

The EIA and supporting EIAR was undertaken with embedded fundamental values (as per Gen 17-19) to ensure a fair, transparent process; with opportunities for public and stakeholder engagement; and sound science at its core. Cumulative impacts on the ecosystems of the marine plan area have also been assessed accordingly (Gen 21). Detailed cumulative assessment of ongoing/proposed development projects in proximity of the Nigg project include Phase 4 works at Invergordon Port; Nigg Bay at Aberdeen Harbour and Ardersier Port have been outlined in the introductory Chapters of the EIAR and again within each specialist chapter.

Appendix 4 - Simplified Coordinate Tables for Construction/Dredge Licences – Nigg East Quay

Please note there may be some variation of shape within these points;

Construction Area

OID	DMS	DDM
1	57°41'41.598"N, 4°1'28.677"W	57 41.693302, -4 1.477947
2	57°41'41.726"N, 4°1'19.381"W	57 41.695436, -4 1.323023
3	57°41'32.66"N, 4°1'18.972"W	57 41.544339, -4 1.316201
4	57°41'32.514"N, 4°1'28.016"W	57 41.541898, -4 1.466931

Dredge Area A

OID	DMS	DDM
1	57°41'41.082"N, 4°1'28.085"W	57 41.684694, -4 1.468082
2	57°41'40.627"N, 4°1'25.11"W	57 41.677119, -4 1.418498
3	57°41'31.636"N, 4°1'24.538"W	57 41.527265, -4 1.408967
4	57°41'31.74"N, 4°1'27.564"W	57 41.528998, -4 1.459396

Dredge Area B

OID	DMS	DDM
1	57°41'33.472"N, 4°1'23.916"W	57 41.557868, -4 1.398594
2	57°41'33.555"N, 4°1'18.687"W	57 41.559258, -4 1.311451
3	57°41'31.197"N, 4°1'18.536"W	57 41.519956, -4 1.30894
4	57°41'31.65"N, 4°1'23.814"W	57 41.527493, -4 1.3969