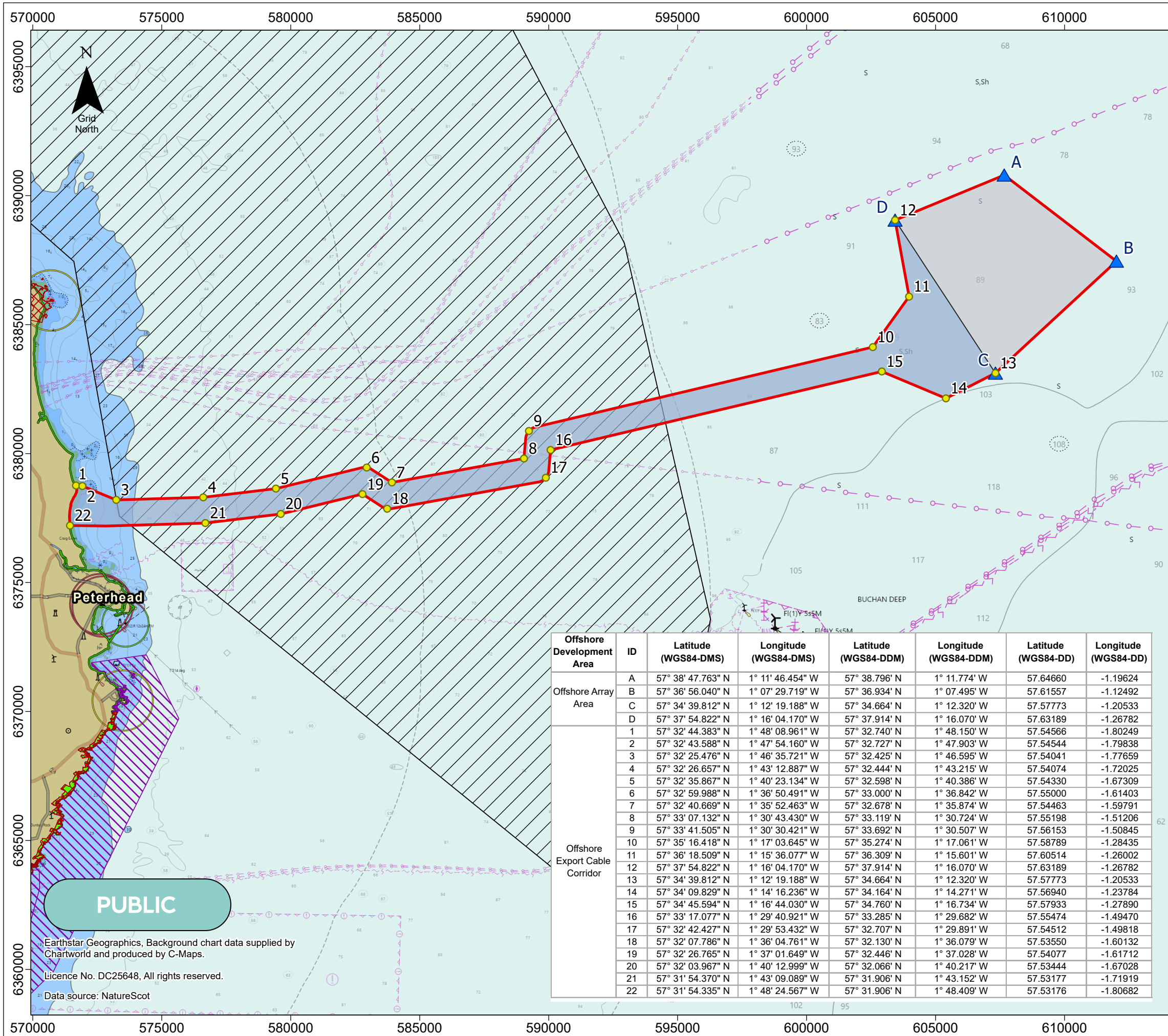


Scenario - Worst case deposits for both concrete and steel foundation types

Type of deposit	Nature of Deposit (P = Permanent, T = Temporary)	Deposit Quantity
Steel/Iron	P	530523 tonnes
Steel/Iron	T	89748 tonnes
Timber	n/a	n/a
Plastic Synthetic	P	Trace - Potential use of synthetics embedded within some of the scour protection solutions (i.e. Polypropylene in concrete matts)
Concrete	P	297178 m ³
Silt	n/a	n/a
Sand	P	859250 m ³
Stone/Rock/Gravel	P	850500 m ³
Concrete bags/Mattresses	P	850500 m ³
Cable	P	120000 metres
Other (please describe below):	Nature of Deposit (P = Permanent, T = Temporary)	Deposit Quantity
Grout - Cementitious or similar material, used in pile installation	P	10636 m ³
Synthetic Rope for Mooring Lines - made of polyurethane, polyester, polyethylene, nylon, dyneema fiber, aramid fiber or similar material suitable for the marine environment	P	56000 metres
Synthetic Rope for Mooring Lines - made of polyurethane, polyester, polyethylene, nylon, dyneema fiber, aramid fiber or similar material suitable for the marine environment	T	95200 metres
Mooring Lines Bouyancy Modules, likely made of a composite plastic suitable for the marine environment	T	420 tonnes
Dynamic Cable Ancillary Equipment incl. bend stiffeners, bouyancy module and other accessories, likely made of a composite plastic suitable for the marine environment	T	168 tonnes
Subsea Hub(s) non steel or iron components, e.g. copper, aluminium, polymer material etc.	P	30 tonnes
Polymer Articulated Pipe - Polyurethane or similar material suitable for the marine environment	P	850 tonnes
HDD Cable Ducts - HDPE or similar material	P	125 tonnes



Salamander

Offshore Development Area

- Offshore Development Area
- Offshore Array Area
- ▲ Offshore Array Area points
- Offshore Export Cable Corridor
- Offshore Export Cable Corridor points
- Mean High Water Spring (MHWS)
- Special Area of Conservation (SAC)
- Special Protection Area (SPA)
- Marine Protected Area (MPA)
- Site of Special Scientific Interest (SSSI)



Coordinate System: WGS 1984 UTM Zone 30N
 Scale @ A0 : 1:150000
 0 2 4 8 Kilometers
 0 1.25 2.5 5 Miles

Offshore Development Area	ID	Latitude (WGS84-DMS)	Longitude (WGS84-DMS)	Latitude (WGS84-DDM)	Longitude (WGS84-DDM)	Latitude (WGS84-DD)	Longitude (WGS84-DD)
Offshore Array Area	A	57° 38' 47.763" N	1° 11' 46.454" W	57° 38.796" N	1° 11.774" W	57.64660	-1.19624
	B	57° 36' 56.040" N	1° 07' 29.719" W	57° 36.934" N	1° 07.495" W	57.61557	-1.12492
	C	57° 34' 39.812" N	1° 12' 19.188" W	57° 34.664" N	1° 12.320" W	57.57773	-1.20533
	D	57° 37' 54.822" N	1° 16' 04.170" W	57° 37.914" N	1° 16.070" W	57.63189	-1.26782
Offshore Export Cable Corridor	1	57° 32' 44.383" N	1° 48' 08.961" W	57° 32.740" N	1° 48.150" W	57.54566	-1.80249
	2	57° 32' 43.588" N	1° 47' 54.160" W	57° 32.727" N	1° 47.903" W	57.54544	-1.79838
	3	57° 32' 25.476" N	1° 46' 35.721" W	57° 32.425" N	1° 46.595" W	57.54041	-1.77659
	4	57° 32' 26.657" N	1° 43' 12.887" W	57° 32.444" N	1° 43.215" W	57.54074	-1.72025
	5	57° 32' 35.867" N	1° 40' 23.134" W	57° 32.598" N	1° 40.386" W	57.54330	-1.67309
	6	57° 32' 59.988" N	1° 36' 50.491" W	57° 33.000" N	1° 36.842" W	57.55000	-1.61403
	7	57° 32' 40.669" N	1° 35' 52.463" W	57° 32.678" N	1° 35.874" W	57.54463	-1.59791
	8	57° 33' 07.132" N	1° 30' 43.430" W	57° 33.119" N	1° 30.724" W	57.55198	-1.51206
	9	57° 33' 41.505" N	1° 30' 30.421" W	57° 33.692" N	1° 30.507" W	57.56153	-1.50845
	10	57° 35' 16.418" N	1° 17' 03.645" W	57° 35.274" N	1° 17.061" W	57.58789	-1.28435
	11	57° 36' 18.509" N	1° 15' 36.077" W	57° 36.309" N	1° 15.601" W	57.60514	-1.26002
	12	57° 37' 54.822" N	1° 16' 04.170" W	57° 37.914" N	1° 16.070" W	57.63189	-1.26782
	13	57° 34' 39.812" N	1° 12' 19.188" W	57° 34.664" N	1° 12.320" W	57.57773	-1.20533
	14	57° 34' 09.829" N	1° 14' 16.236" W	57° 34.164" N	1° 14.271" W	57.56940	-1.23784
	15	57° 34' 45.594" N	1° 16' 44.030" W	57° 34.760" N	1° 16.734" W	57.57933	-1.27890
	16	57° 33' 17.077" N	1° 29' 40.921" W	57° 33.285" N	1° 29.682" W	57.55474	-1.49470
	17	57° 32' 42.427" N	1° 29' 53.432" W	57° 32.707" N	1° 29.891" W	57.54512	-1.49818
	18	57° 32' 07.786" N	1° 36' 04.761" W	57° 32.130" N	1° 36.079" W	57.53550	-1.60132
19	57° 32' 26.765" N	1° 37' 01.649" W	57° 32.446" N	1° 37.028" W	57.54077	-1.61712	
20	57° 32' 03.967" N	1° 40' 12.999" W	57° 32.066" N	1° 40.217" W	57.53444	-1.67028	
21	57° 31' 54.370" N	1° 43' 09.089" W	57° 31.906" N	1° 43.152" W	57.53177	-1.71919	
22	57° 31' 54.335" N	1° 48' 24.567" W	57° 31.906" N	1° 48.409" W	57.53176	-1.80682	

Rev	Description	Date
00	First Issue	16/04/2024
01	Final Issue	25/04/2024
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Doc. Title : Offshore Development Area
 Doc. No : SWF01OR0002
 Created by : KL
 Checked by : WG
 Approved by : MM

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Application Form - Appended Text Document

1. Project Title and Payment Details

Ref 1.1

Salamander Offshore Wind Farm, located approximately 35 km east of Peterhead, Aberdeenshire. As set out in the Section 36 application letter accompanying the application, a Marine Licence is applied for all seabed infrastructure detailed in this application (and the Offshore EIAR) under the Marine and Coastal Access Act 2009 for the offshore works (12 – 200 nautical miles (nm) within the Scottish Renewable Energy Zone) and under the Marine (Scotland) Act 2010 for the works within 12 nm of the coast (Mean High Water Springs).

2. Applicant Details

N/A

3. Agent Details (if any)

N/A

4. Duration of Project

N/A

5. Description and Cost of the Proposed Project

Ref 5.1

Please see Offshore EIA Report (ER.A.2.4, Chapter 4: Project Description, sections 4.6 and 4.7.8) for a detailed description of the anticipated schedule of work.

As set out in the Section 36 application letter accompanying the application, a Marine Licence is applied for all seabed infrastructure detailed in this application (and the Offshore EIAR) under the Marine and Coastal Access Act 2009 for the offshore works (12 – 200 nautical miles (nm) within the Scottish Renewable Energy Zone) and under the Marine (Scotland) Act 2010 for the works within 12 nm of the coast (Mean High Water Springs).

Ref 5.2

Floating offshore wind farm - up to seven wind turbine generators on floating substructures, inter-array cabling, up to two subsea hubs, scour and cable protection, and up to two export cables to shore. For more details see Volume ER.A.2.4, Chapter 4: Project Description of the EIAR submitted in support of this application.

Ref 5.3

Geophysical, geotechnical and environmental surveys may be required, and also deployment of metocean and meteorological equipment. For more details see Volume ER.A.2.4, Chapter 4: Project Description of the EIAR (section 4.7.8).

Ref 5.4

Vessel moorings for construction vessels undertaking installation activities. The only permanent mooring lines utilised for the Offshore Development will be those that form part of the floating substructures for the turbines.

Ref 5.5

Seabed preparation and/or piling operations may be required as part of construction activities. For more information see Volume ER.A.2.4, Chapter 4: Project Description of the EIAR.

6. Location of Project (including any temporary deposit locations)

N/A

7. Method Statement

N/A

8. Permanent (and Temporary) Deposits

Ref 8.1

Other (please describe below):

See attached spreadsheet (Salamander_Project_Marine_Licence_Accompanying_Information_Total (08698994_A))

9. Dredging/Drilling Contractor/Producer Details

N/A

10. Holder

N/A

11. Agent

N/A

12. Duration of Dredging/Drilling Operation

N/A

13. Details of Dredging/Drilling and Disposal Vessel(s)

N/A

14. Method Statement for Dredging/Drilling Operation

N/A

15. Use of Explosives

N/A

16. Details of Areas to be Dredged/Drilled

Ref 16.1

Dredge/ Drill Areas	Name of Area to be Dredged/ Drilled	Co-ordinates	Nature of Dredged/ Drilled Area
A	Drilling - potentially for the 56 anchor piles for the WTGs (8 per turbine) and 24 anchor piles for the subsea hubs (12 per hub).	Potentially at all anchor locations, however exact locations will only be known after detailed design post-consent.	Please see EIAR Chapter 4: Project Description.
B	Dredging and seabed levelling - potentially within the Offshore Array Area prior to installation of anchors and subsea hubs.	Potentially at all anchor and subsea hub locations, however exact locations will only be known after detailed design post-consent.	Please see EIAR Chapter 4: Project Description.
C	Trenchless landfall drilling, such as Horizontal Directional Drilling (HDD), at cable(s) landfall.	Not yet known but will be within Offshore Export Cable Corridor.	Please see EIAR Chapter 4: Project Description.
D	Dredging and seabed levelling along offshore export cable(s) route between landfall exit point and the first WTG or subsea hub, and also along inter-array cables route within the Offshore Array Area.	Not yet known but will be within Offshore Export Cable Corridor and Offshore Array Area.	Please see EIAR Chapter 4: Project Description.
E			

17. Details of Material to be Dredged/Drilled

Ref 17.1

Dredge/ Drill Areas	Estimated Specific Gravity	Physical Composition of Material	Depth of Material to be Removed (metres)	Quantity to be Dredged/ Drilled per Year (either in-situ m³ or metric tonnes)
A	Various	Basic stratigraphy is loose sand, interlayered soft clay and medium dense sand	Up to 70 m	Up to 29,100 m ³
B	Various	Basic stratigraphy is loose sand, interlayered soft clay and medium dense sand	Average of 2 m	Up to 48,600 m ³

C	Various	Basic stratigraphy is loose sand, interlayered soft clay and medium dense sand, weathered rock and intact rock	Length of drill up to 2,500 m (x2 ducts), target burial depth of ducts is between 5 - 40 m	Up to 3,928 m ³
D	Various	Basic stratigraphy is loose sand, interlayered soft clay and medium dense sand, weathered rock and intact rock	Average range of 2 - 5 m	Up to 8,105,000 m ³
E				

18. Dredged/Drilled Material: Additional Information

Ref 18.1

Dredge/Drill Areas	Type of Contamination	Type of Dredger	Beneficial Uses
A	See Chapter 8 of the EIAR. Sediments at the Offshore Array Area were sampled in 2022. Please note that only surface sediments were collected.	Construction Support Vessel	N/A
B	See Chapter 8 of the EIAR. Sediments at the Offshore Array Area were sampled in 2022. Please note that only surface sediments were collected.	Trailer suction hopper dredger (or similar)	Backfill around anchors
C	See Chapter 8 of the EIAR. Sediments in the Offshore Export Cable Corridor (apart from ~8km nearshore zone) so potential contamination at landfall is not known.	N/A (trenchless drilling undertaken from shore)	N/A
D	See Chapter 8 of the EIAR. Sediments in the Offshore Export Cable Corridor (apart from ~8km nearshore zone) and the Offshore Array Area were sampled in 2022. Please note that only surface sediments were collected.	Jet trencher, mass flow excavator, mechanical trencher, trenching plough (see Chapter 4 of the EIAR for more details)	Backfill over cables
E			

19. Details of Dredged Material Quality

N/A

20. Best Practicable Environmental Option (BPEO) Assessment

N/A

21. Sea Disposal Site Details

Ref 21.1

Name of Disposal Site (or Oslo Code)	Co-ordinates of Disposal Site
N/A	N/A - drill cuttings within the Offshore Array Area will be discharged at the seabed around the anchor boreholes and dredged material is likely to be used as backfill material around the anchors/cables once installed. Small quantity of drilling mud and cuttings will be discharged into the marine environment at the trenchless landfall exit point(s). Further details are provided in Volume ER.A.2.4, Chapter 4: Project Description of the EIAR.

22. Other Consents

Ref 22.1

Type of Consent	(Tick appropriate box)		Reference No.	Date of Issue of Consent
	Applied for	Not Applied for		
1. Local Planning Authority (LPA) (e.g. Town and Country Planning Act) Name and address of LPA for Location of proposed works:		✓		
	This application is for offshore works below Mean High Water Springs only. An application for the Onshore Development will be submitted to Aberdeenshire Council and the Energy Consents Unit in Q3 2024.			
2. Land Owner e.g. The Crown Estate	✓		Exclusivity Agreement with CES for Offshore Array Area	24/03/23
3. Local Port or Harbour Authority e.g. local work licence		✓		
4. Scottish Environment Protection Agency (SEPA)		✓		
5. Others		✓		

23. Statutory Consenting Powers

N/A

24. Advertising and Consultation

Ref 24.1

Two Pre-Application Consultation (PAC) events (both in-person and online) were held for the activities undertaken with respect to components of the Onshore Development and the aspects of the Offshore Development located between Mean High Water Springs and 12 nm offshore. The first event was in June-July 2023 and the second in November-December 2023. Further details are provided in the EIAR (Chapter 5: Stakeholder Consultation) and in the Pre-application Consultation (PAC) Report.

Following acceptance of this application by MD-LOT, public notices will be placed in the following publications: The Scotsman, The Press and Journal, The Gazette (Edinburgh Gazette), Lloyd's List and the Fishing News Bulletin, and any other newspaper deemed relevant and on dates agreed with MD-LOT.

Ref 24.2

During the PAC events, stakeholders were invited to ask questions either in-person or online, and questions were answered by Project team. Additionally, there was a questionnaire that attendees were asked to complete. Further details are provided in the EIAR (Chapter 5: Stakeholder Consultation) and in the Pre-application Consultation (PAC) Report.

Following acceptance of the application, the application will be advertised in the publications listed above and the public will be invited to make representations to MD-LOT in accordance with The Marine Works (Environmental Impact Assessment) Regulations 2007, The Marine Works (Environmental Impact Assessment) (Scotland) Regulations 2017, the Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017. A deadline for providing comments on the application will be specified within the advert and these must be submitted to MD-LOT within the deadlines set out.

Ref 24.3

Two PAC events were held, the first in June-July 2023 and the second in November-December 2023. Further details are provided in the EIAR (Chapter 5: Stakeholder Consultation) and in the Pre-application Consultation (PAC) Report.

25. Consultation with Conservation Bodies

N/A

26. Designated Conservation Areas

Are any parts of the proposed project located within the boundaries of a designated conservation area?

If yes, indicate approximate distance of the project from the boundary of the nearest conservation area(s) (Ref 26.1)

Yes, offshore export cable route passes through the Southern Trench Marine Protected Area (MPA).

If appropriate, are any parts of the proposed dredging and/or deposit operations located within the boundaries of a designated conservation area?

If yes, indicate approximate distance of the operations from the boundary of the nearest conservation area(s). (Ref 26.2)

Yes, offshore export cable route passes through the Southern Trench MPA.

27. Environmental Assessment

N/A

End