

AQUIND Limited

AQUIND INTERCONNECTOR

Statement of Common Ground Between AQUIND Limited and Historic England

The Planning Act 2008

Document Ref: 7.5.13

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AQUIND Limited

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PINS REF.: EN020022

DOCUMENT: STATEMENT OF COMMON GROUND

DATE: OCTOBER 2020



DOCUMENT

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PINS Ref.: EN020022 | Statement of Common Ground with Historic England AQUIND Limited

October 2020



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INTRODUCTION AND PURPOSE 1.

1.1. PURPOSE OF THE STATEMENT OF COMMON GROUND

- 1.1.1.1. This Statement of Common Ground ('SoCG') has been prepared with Historic England ('HE') to show where agreement has been reached with AQUIND Limited during the pre and post Development Consent Order ('DCO') application consultation and in the course of the DCO Examination.
- 1.1.1.2. This SoCG has been prepared by AQUIND Limited in consultation with HE in respect of the Development, collectively referred to in this SoCG as 'the parties'.
- The purpose and possible content of SoCGs is set out in paragraphs 58-65 of 1.1.1.3. the Department for Communities and Local Government's guidance entitled "Planning Act 2008: examination of applications for development consent" (26 March 2015). Paragraph 58 of that guidance explains the basic function of SoCGs:

"A statement of common ground is a written statement prepared jointly by the applicant and another party or parties, setting out any matters on which they agree. As well as identifying matters which are not in real dispute, it is also useful if a statement identifies those areas where agreement has not been reached. The statement should include references to show where those matters are dealt with in the written representations or other documentary evidence."

- 1.1.1.4. This SoCG comprises a record of agreement which has been structured to reflect topics of interest to HE on the AQUIND Interconnector DCO Application (the Application). Topic specific matters agreed, not agreed and actions to resolve or on-going between HE and AQUIND Ltd are included.
- 1.1.1.5. The position with respect to each topic of interest is presented in a tabular form with Red, Amber and Green cells depicting matters Not Agreed, Ongoing or Agreed respectively.
- 1.1.1.6. Both parties have agreed to submit this revision of the draft SoCG at Deadline 1 however, it should be noted that HE are still reviewing the document and will respond to the Applicant more fully in due course. Both parties agree that the document broadly reflects the current status of consultation on matters at this time

1.2. DESCRIPTION OF THE PROPOSED DEVELOPMENT

1.2.1.1. AQUIND Limited ("the Applicant") submitted an application for the AQUIND Interconnector Order (the 'Order') pursuant to Section 37 of the Planning Act 2008 (as amended) (the "PA2008") to the Secretary of State on 14 November 2019 (the 'Application').

- 1.2.1.2. The Application seeks development consent for those elements of the AQUIND Interconnector (the 'Project') located in the UK and the UK Marine Area (the 'Proposed Development').
- 1.2.1.3. The Project is a new 2,000 MW subsea and underground High Voltage Direct Current ('HVDC') bi-directional electric power transmission link between the South Coast of England and Normandy in France. By linking the British and French electric power grids it will make energy markets more efficient, improve security of supply and enable greater flexibility as power grids evolve to adapt to different sources of renewable energy and changes in demand trends such as the development of electric vehicles. The Project will have the capacity to transmit up to 16,000,000 MWh of electricity per annum, which equates to approximately 5% and 3% of the total consumption of the UK and France respectively.
- 1.2.1.4. The Proposed Development includes:
 - HVDC marine cables from the boundary of the UK exclusive economic zone to the UK at Eastney in Portsmouth;
 - Jointing of the HVDC marine cables and HVDC onshore cables;
 - HVDC onshore cables:
 - A Converter Station and associated electrical and telecommunications infrastructure;
 - High Voltage Alternating Current ('HVAC') onshore cables and associated infrastructure connecting the Converter Station to the Great Britain electrical transmission network, the National Grid, at Lovedean Substation; and
 - Smaller diameter fibre optic cables to be installed together with the HVDC and HVAC cables and associated infrastructure.

2. CONSULTATION

2.1.1.1. A timeline summary of the correspondence between the parties is set out in Tables 2.1 and 2.2 below. Table 2.1 presents consultations on Onshore Cultural Heritage & Archaeology and Table 2.2 presents consultations on Marine Archaeology.

Table 2.1 - Consultation on Onshore Cultural Heritage and Archaeology

Date	Form	Summary of contact
26 March 2018	Email (Letter)	Environmental Impact Assessment ('EIA') Scoping Opinion received from HE, following submission of the Scoping Report to the relevant local planning authorities in February 2018.
28 November 2018	Email (Letter)	EIA Scoping Opinion received from HE, following submission of the Scoping Report to Planning Inspectorate ('PINS') in October 2018.
29 April 2019	Email (Letter)	Preliminary Environmental Information Report ('PEIR') Scoping Advice received from HE following submission of the PEIR documentation in March 2019.
17 July 2019	Email Correspondence	Email correspondence in relation to Order Limits extent at the Landfall.
25 February 2020	Relevant Representations	Relevant Representation ('RR') received from HE following submission of the Environmental Statement ('ES') documentation to PINS in December 2019.
01 April 2020	Telecon Meeting (WSP and HE).	Meeting to discuss the onshore heritage aspects raised in HE RR.
07, 08, 28, 29 April and 01 May 2020	Email	E-mail exchanges confirming next steps and agreement on type of visual required.
21 July 2020	Email	Merged onshore and marine SoCG issued to HE for review.

Table 2.2 - Consultation on Marine Archaeology

Date	Form of Contact	Summary	
February 2018	Scoping Opinion Request to the Marine Management Organisation ('MMO')	Scoping Opinion received from MMO in June 2018.	
March 2019	Section 42 Consultation	Consultation on PEIR.	
29 April 2019	Email	PEIR response from HE received.	
01 July 2019	Email	Draft Deemed Marine Licence ('DML') shared with HE for review.	
24 July 2019	Email	HE feedback on draft DML received.	
2 August 2019	Email	Providing briefing note detailing AQUIND's responses to comments received from HE on the PEIR.	
27 August Email 2019		HE response to briefing note received.	
05 September 2019	Email	Providing outline Written Scheme of Investigation ('WSI') assessment for HE review and comment.	
24 September 2019	Email	HE feedback on outline WSI received.	
25 February 2020	s. 56 consultation	Relevant representation received from HE.	
10 March 2020	Email	Draft SOCG shared with HE for review.	
16 March 2020	Teleconference	Discussions on draft SOCG and examination.	
14 April 2020	Email	Updated draft SOCG shared with HE for second review, along with minutes of teleconference (16 March 2020) and additional information.	

Date	Form of Contact	Summary
14 May 2020	Email	Request from HE to merge the onshore and marine SoCGs in order for HE to provide feedback on both aspects.
21 July 2020	Email	Merged onshore and marine SoCG issued to HE for review.

2.2. BASIS OF AGREEMENTS

2.2.1. ONSHORE CULTURAL HERITAGE AND ARCHAEOLOGY

- 2.2.1.1. A summary of the matters discussed, including the written responses to HE comments on PEIR/EIA Scoping are included in Table 3.1 along with how and where any concerns were addressed in the Environmental Statement (ES) (as set out in Table 3 in Appendix 21.1, Consultation Responses, Examination Library Reference AP-441).
- 2.2.1.2. Table 3.1 below presents the agreements made to date during consultations on onshore aspects of the Proposed Development and also includes ongoing discussions following submission of the ES.
- 2.2.1.3. The agreements made during these consultations on onshore aspects of the Proposed Development and the RR have been used to populate Table 3.1 below and inform the drafting of this SoCG.

2.2.2. MARINE ARCHAEOLOGY

- 2.2.2.1. A draft of the DML was issued to HE on 1 July 2019 to enable HE to review and provide any relevant feedback prior to the submission of the application. Feedback was received from HE on 24 July 2019 (Appendix 1).
- 2.2.2.2. Following the receipt of HE's response to the consultation on the PEIR, a briefing note was provided detailing AQUIND's response to the HE comments raised (Appendix 2). This note was issued as draft to HE on 2 August 2019. HE provided feedback on the briefing note on 27 August 2019 (Appendix 3).
- 2.2.2.3. A draft version of the marine Outline WSI was issued to HE on 5 September 2019. Feedback was received by email from HE on 24 September 2019. HE's feedback on the marine Outline WSI can be found in Appendix 4.
- 2.2.2.4. The RR on the application from HE was received on 25 February 2020 (Appendix 5).
- 2.2.2.5. Further engagement was undertaken with HE through review of a draft marine SoCG and a subsequent teleconference held on 16 March 2020 to discuss the draft marine SoCG and Examination process.
- 2.2.2.6. The agreements made during these consultations on marine aspects of the Proposed Development and the RR have been used to populate Table 3.2 below and inform the drafting of this SoCG.

2.3. SUMMARY OF TOPICS COVERED BY THE STATEMENT OF COMMON GROUND

- 2.3.1.1. The following topics discussed between the parties are commented further in this SoCG:
 - Scope of onshore and marine EIA assessment and identification of assets within the PEIR.
 - Pre-application advice on proposed geotechnical investigations in Langstone Harbour.
 - The impact assessment in relation to Fort Cumberland Scheduled Monument, specifically in relation to the proposed ORS building(s) at the Landfall.
 - Marine Archaeology.
 - Outline Marine Written Scheme of Investigation ('WSI').
 - Deemed Marine Licence ('DML').
- 2.3.1.2. For the avoidance of doubt, matters not covered in this SoCG have not been discussed between the parties as they have not been raised by HE during the consultation undertaken to date between the Parties.



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3. CURRENT POSITION

3.1. ONSHORE HERITAGE AND ARCHAEOLOGY

Table 3.1 - Onshore Cultural Heritage and Archaeology

Ref.	Description of matter	Details of Agreement	RAG
Onshore H	eritage and Archaeo	logy	
3.1.1	Baseline	Conservation Areas are clearly identified along the Order Limits and assessed where appropriate in section 21.5 of Chapter 21 (Heritage & Archaeology) of the Environmental Statement (ES) (APP-136). It is also agreed that the assessment of setting related impacts along the proposed cable corridor have been scoped out of ES on the basis that the cable corridor is below ground and the possible	Agreed
		impact on the setting of Designated Heritage Assets from temporary works during installation is insignificant. (Response as provided in Table 3 of Appendix 21.1 of the Environmental Statement (Consultation Responses, Examination Library Reference APP-441)).	
		Conservation Areas should be identified along the Cable Route. This was addressed in Chapter 21 (Heritage & Archaeology) of the Environmental Statement (APP-136) with Conservation Areas along the cable route clearly identified and assessed where appropriate.	
3.1.2	Assessment Methodology	It is agreed that section 21.4 of Chapter 21 of the ES (Heritage and Archaeology) (APP-136) clearly outlines the approach to creating the baseline and assessing impacts of the development in line with advice from Historic England identified in Table 2 of Appendix 21.2 of the ES (APP-350). It is agreed that listed buildings and scheduled monuments have been adequately identified in this chapter and its supporting documents.	Agreed



Ref.	Description of matter	Details of Agreement	RAG
3.1.3	Landfall – Fort Cumberland Archaeology	It is agreed that no disturbance would occur within the Fort Cumberland Scheduled Monument Constraints Area and there would be no physical impact to the asset. Potential impact to below ground remains outside of the Scheduled Monument within the Order Limits will be addressed by a programme of archaeological investigation/mitigation, agreed by the Local Planning Authority Archaeological Advisor.	Agreed
3.1.4	Langstone Harbour, HDD Works	HE advised carrying out further geoarchaeological investigations along with Onshore Cable Corridor at Langstone Harbour. This was not considered warranted or appropriate given the nature of the proposed impact. Whilst the archaeological and geoarchaeological potential of this area is not well understood, the proposed Horizontal Directional Drilling ('HDD') cable routing will be bored at depth within solid geology (Chalk), well beneath any alluvium and any deposits of archaeological and geoarchaeological interest	Agreed
		Appendix 21.1 (APP-441) includes written responses to the concerns previously raised and alongside the mitigation strategy for Joint Bays, Transition Joint Bays and HDD set our at 21.8 of Chapter 21 of the ES (Heritage and Archaeology) (APP-136) Historic England are satisfied with the response to their advice and how the comments have been addressed in the Environmental Statement and have no further comment to make on this topic.	
3.1.5	Landfall - Fort Cumberland, Setting	Historic England agree that the proposed Optical Regeneration Station (ORS) would not result in substantial harm to the Fort Cumberland Scheduled Monument and Grade II* listed building but consider that the siting and scale of the ORS could cause some harm to the view from the Western Ravelin (currently partially impeded by a 20th century shed within the boundary of the Scheduled Monument) at Fort Cumberland towards Fort Cumberland Road. Historic England require further information in order to assess the impact. They request to see the line of sight maintained to maximum extent, through the redesign or repositioning of the ORS if deemed necessary.	On-going
		The Applicant considers the impact to be negligible in respect of views, based on the distance from the asset and the presence of modern residential housing estate, located 15m to the north-	



Ref.	Description of matter	Details of Agreement	RAG
		west of the proposed ORS compound. It is also noted that the Fort does not currently have any public access. The Applicant considers that adjacent viewpoints may be used to provide further assurance that	
		the significance of the Fort would be unaffected by the proposals. Discussions are ongoing. It is agreed that a further visualisation, either using nearby existing Viewpoints (such as Viewpoint 22 illustrated in Figure 15.56 of the Environmental Statement) (APP-289) or from the Western Ravelin itself would be useful to inform the assessment. At the time of writing, it has not been possible to access Fort Cumberland due to the current access restrictions as a result of Covid-19.	
		This matter is subject to further discussion between the parties following submission of the further information contained with the ES Addendum at Deadline 1. This section of the SoCG will be updated accordingly to reflect progress on this matter.	
3.1.6	Residual Effects	The residual effects identified in section 21.9 and table 21.6 of Chapter 21 of the ES (Heritage and Archaeology) (APP-136) are agreed.	Agreed



3.2. MARINE ARCHAEOLOGY

Table 3.2 – Marine Archaeology

Ref.	Description of Matter	Details of Agreement	RAG
EIA			
3.1.1	Existing environment	AQUIND Position: The sources of information within the ES adequately characterises the baseline for assessment of the Proposed Development (Refs: APP-129, Section 14.5; APP-397). Historic England's Advice: 16/03/2020: HE is still examining the Application documentation. Subject to formalising and submitting HE's Written Representation, HE do not see any reason why these items cannot be agreed during Examination 28/09/2020: Following an initial review of the Application documentation, HE has identified further matters for discussion regarding the geoarchaeological assessment. Further detail will be provided in HE's forthcoming Written Representation.	On-going
3.1.2	Assessment Methodology	AQUIND Position: The worst-case scenarios for impacts presented in the ES, are appropriate for the Proposed Development (Ref: APP-129, Section 14.6). The list of potential impacts on Marine Archaeology presented in the ES is appropriate (Ref: APP-129, Section 14.1.1.2). Historic England's Advice: 16/03/2020: HE is still examining the Application documentation. Subject to formalising and submitting HE's Written Representation, HE do not see any reason why these items cannot be agreed during Examination.	Agreed
3.1.3		AQUIND Position: The methodology used for the EIA (Ref: APP-129, Section 14.4), based upon The Chartered Institute for Archaeologists Standard and Guidance for Historic Environment Desk-Based	Ongoing



Ref.	Description of Matter	Details of Agreement	RAG
		Assessment, represents an appropriate approach to assessing potential impacts of the Proposed Development on Marine Archaeology. This includes:	
		 Assessment is based on expert judgement using knowledge of other sites and available project specific contextual information; 	
		The approach to cumulative effects assessment which is based upon PINS Advice Note Seventeen.	
		Historic England's Advice:	
		16/03/2020: HE is still examining the Application documentation. It is HE's corporate position that they only advise, and it is for PINS to determine the suitability of the assessment methodology. HE's Written Representation will provide advice to PINS on HE's position in relation to the methodology used. However, at this time, given the level and details of pre-application engagement, HE do not envisage having any significant issues or major comments.	
	Conclusions	AQUIND Position:	
3.1.4		The assessment of impacts for construction, operation (maintenance and repair) and decommissioning presented in the ES is appropriate and effects on Marine Archaeology as a result of the Proposed Development are considered to be not significant (Ref: APP-129, Section 14.6). Historic England's Advice:	Agreed
		16/03/2020: HE is still examining the Application documentation. Subject to formalising and submitting HE's Written Representation, HE do not see any reason why these items cannot be agreed during Examination.	
3.1.5		AQUIND Position: The cumulative effects assessment undertaken is appropriate and cumulative effects on Marine Archaeology as a result of the Proposed Development and other relevant plans and projects are considered to be not significant (Refs: APP-129, Section 14.7; APP-398; APP-144; APP-486). Historic England's Advice:	Agreed



Ref.	Description of Matter	Details of Agreement	RAG
		16/03/2020: HE is still examining the Application documentation. Subject to formalising and submitting HE's Written Representation, HE do not see any reason why these items cannot be agreed during Examination.	
		AQUIND Position:	
3.1.6		Assessment of transboundary effects is considered to be appropriate and transboundary effects on Marine Archaeology as a result of the Proposed Development are considered to be not significant (Refs: APP-129, Section 14.7.3; APP-398; APP-144)	Agreed
3.1.0		Historic England's Advice: 16/03/2020: HE is still examining the Application documentation. Subject to formalising and submitting HE's Written Representation, HE do not see any reason why these items cannot be agreed during Examination.	Agreed
3.1.7	Mitigation	AQUIND Position: It is agreed that given the impacts of the Proposed Development, the mitigation measures can be adequately captured within the DML (Refs: APP-129, Section 14.8; APP-397). Historic England's Advice:	Agreed
J.III		16/03/2020: HE is still examining the Application documentation. Subject to formalising and submitting HE's Written Representation, HE do not see any reason why these items cannot be agreed during Examination.	7.g. 334
Outline WSI			
	Mitigation Measures	AQUIND Position: The Outline WSI sets out appropriate measures to mitigate against potential impacts to the historic environment as a result of the Proposed Development for consent (Ref: APP-397, Section 7).	
3.1.8		Historic England's Advice: 16/03/2020: HE is still examining the Application documentation. Subject to formalising and submitting HE's Written Representation, HE do not see any reason why these items cannot be agreed during Examination.	Agreed



Ref.	Description of Matter	Details of Agreement	RAG
3.1.9	Timescales	AQUIND Position: The Outline WSI sets out appropriate timescales for the review and agreement of the document with the MMO and HE prior to the commencement of construction activities (Ref: APP-397, Sections 4.1, 4.2, 8 and 11.3). Historic England's Advice: 16/03/2020: HE is still examining the Application documentation. Subject to formalising and submitting HE's Written Representation, HE do not see any reason why these items cannot be agreed during Examination.	Agreed
3.1.10	Updates	AQUIND Position: The Outline WSI sets out appropriate procedures for the provision of updates to the approved WSI, in the form of method statements (Ref: APP-397, Section 8). Historic England's Advice: 16/03/2020: HE is still examining the Application documentation. Subject to formalising and submitting HE's Written Representation, HE do not see any reason why these items cannot be agreed during Examination.	Agreed
DML			
3.1.11	WSI Provision	AQUIND Position: The DML includes adequate provision for the delivery of the project specific marine WSI (Ref: APP-019, Schedule 15, Part 2 Conditions 4(2)). Historic England's Advice: 16/03/2020: HE is still examining the Application documentation. Subject to formalising and submitting HE's Written Representation, HE do not see any reason why these items cannot be agreed during Examination.	Agreed
3.1.12	WSI Updates	AQUIND Position:	Agreed



Ref.	Description of Matter	Details of Agreement	RAG
		The DML provides appropriate timescales for the review and approval of the marine WSI before the commencement of construction activities (Ref: APP-019, Schedule 15, Part 2, Condition 4(2) and 5).	
		Historic England's Advice: 16/03/2020: HE is still examining the Application documentation. Subject to formalising and submitting HE's Written Representation, HE do not see any reason why these items cannot be agreed during Examination.	





4. SIGNATURES

Ref.	Historic England	AQUIND Ltd. (the Applicant)
Signature		
Printed Name		
Title		
On behalf of	Historic England	AQUIND Limited
Date		





APPENDIX 1

HE RESPONSE TO DRAFT DEEMED MARINE LICENCE_JULY 2019





Sarah Lister Senior Project Manager Natural Power Our ref: UKCS/ Aquind

Telephone:

24th July 2019

Dear Sarah,

Thank you for your email dated 1st July 2019 requesting our advice on the draft deemed Marine Licence for the Aquind interconnector project.

Historic England is the Government's statutory adviser on all matters relating to the historic environment in England. We are a non-departmental public body established under the National Heritage Act 1983 and sponsored by the Department for Culture, Media and Sport (DCMS). We champion and protect England's historic places, providing expert advice to local planning authorities, developers, owners and communities to help ensure our historic environment is properly understood, enjoyed and cared for.

We have reviewed the document supplied to us along with our previous correspondence and wish to make the following comments.

- Part 1 Section 1 definition of 'commence': Historic England does not agree that 'offshore site preparation works' should be excluded from the definition of 'commence' as such works have the potential to impact the seabed and therefore would require mitigation. We therefore disagree with the inclusion of Part 1 Article 6 and request its removal.
- Part 1 Section 1 definition 'offshore HVDC cables': We note that there is an error in the form of repeated words in this paragraph which requires correction.
- Part 1 Section 1 definition 'statutory historic body': This paragraph should refer to the Historic Buildings and Monuments Commission for England, of which Historic England is the trading name.
- Part 1 Section 4 the address for Historic England is: Cannon Bridge House, 25 Dowgate hill, London, EC4R 2YA.
- Part 1 Article 10 references arbitration: We defer to the MMO's opinion on this matter.





- Part 2 Article 7(1)(d) Reference to archaeological mitigation should be included within the environmental management and monitoring plan with reference to the outline WSI.
- Part 2 Article 7(2) We strongly recommend that the WSI should be completed at least 4 months prior to the commencement of construction activities to allow for sufficient time to produce and agree the WSI prior to preconstruction surveys, and therefore suggest the same amendment is made to Part 2 Article 8(1).
- Part 2 Article 10 (1)(a) We strongly recommend that pre- and postconstruction surveys also utilise high resolution side scan sonar data to better inform archaeological mitigation measures and post-construction monitoring of AEZs to demonstrate that no impact from the construction activities has occurred within these areas.

Please contact us directly if you wish to discuss our advice further.

Yours sincerely,



Pip Naylor,

Marine Planning Archaeological Officer

Email: Pip.Naylor@HistoricEngland.org.uk



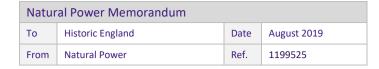




APPENDIX 2

HE BRIEFING NOTE ON PEIR MARINE COMMENTS_AUGUST 2019







Briefing Note to inform Ongoing Consultation: Responses to PEIR feedback

The following table provides a summary of key items contained within feedback response on PEIR, gratefully received from the Historic England.

This briefing note is structured in order to provide information to reviewers as to how the applicant proposes to address the comments received as part of the s.42 consultation process.

Item No.	Topic	Comment	Applicant's Response
1	Marine Archaeology	In general, we are largely content with the impact assessment for archaeological receptors, in terms of the potential impacts considered, the size of the study area, and the range of datasets included at this stage. However, we wish to make the following comments with regards to the installation methods proposed, the archaeological assessment, and the mitigation measures suggested.	Acknowledged.
2	Marine Archaeology	We acknowledge that the current methodology for the installation of the cable at the landfall site is Horizontal Directional Drilling (HDD), which will emerge in the intertidal zone approximately 1km seawards from the transition joint bays in the car park behind Fraser Range. This method should be mindful of the potential to encounter archaeologically significant deposits within the sediment profile, and as such a strategic programme of investigation should be conducted to assess the potential of the deposits.	This will be considered in the Written Scheme of Investigations (WSI) produced post-consent as part of the conditions of the Deemed Marine Licence (DML). It is currently proposed that an Outline WSI will be submitted with the DCO application.
3	Marine Archaeology	We understand that a range of pre-installation clearance and preparation works may be required, including clearance of mobile bedforms, boulders, seabed debris, out of service cables, disposal of excavated material and UXO clearance, although UXO clearance will be consented through a separate marine licence. It should be noted that such activities could potential cause serious damage to features of the marine historic environment is present within the area to be impacted by the development. As such, suitable mitigation measures should be developed in consultation with the archaeological curator.	Acknowledged. It is currently anticipated that the WSI will incorporate a Protocol for Archaeological Discoveries (PAD) for those activities being consented under this DCO/DML. As the detonations of UXOs will be carried out under a separate marine licence, any impacts and mitigation measures required will be considered under that application. At this time,



Item No.	Topic	Comment	Applicant's Response
1001			it is expected that the Marine Management Organisation (MMO) will consult with relevant bodies including Historic England when determining a future application for UXO detonations
4	Marine Archaeology	We note that installation methods may include burial simultaneously with cable-lay, pre-lay burial or post-lay burial, with installation methods including trenching, ploughing and dredging. In some instances, non-burial cable protection methods, such as mattresses and rock placement, may also be required. All of these methods have the potential to seriously damage archaeological features, should they be present within the area to be impacted by the development. We further note from the documents that it is the intention to install the cables using in-line joints, but that it is possible that omega joints may be required in some places. This will increase the area impacted by the works. As such, suitable mitigation measures should be developed in consultation with the archaeological curator.	Any omega joint used would not extend beyond the currently assessed Marine Cable Corridor and as such any likely impact under the worst-case scenario has already been assessed. The mitigation currently proposed is therefore deemed sufficient and the WSI will include details of mitigation measures including a PAD and Archaeological Exclusion Zones (AEZs).
5	Marine Archaeology	Installation methods may require the use of grounding, within the intertidal area, and/or anchor spreads to maintain their position during installation. Both grounding and the use of anchors should also be mindful of archaeological features and follow mitigation procedures developed for the project. Additionally, we note that there is the potential for the use of 'flotation pits' to facilitate the installation of the cable within the nearshore area. It should be noted that the excavation of potentially large areas of the seabed could have a significant impact to both surface and burial archaeological features. This methodology would require careful mitigation to prevent impacts to the features of the marine historic environment.	The use of flotation pits is note currently proposed for inclusion in the final project description, and therefore will not be assessed in the final ES. Grounding of vessels and anchor spread will be assessed further within the final ES however, as any impact will likely be within the Marine Cable Corridor it will be subject to the already proposed mitigation.
6	Marine Archaeology	We are therefore disappointed to note that paragraph 14.4.8.3 states that 'as the design and construction methods for the Proposed Development are still evolving at the time of writing of this chapter,	The use of flotation pits and TSHD for pre-lay trenching for construction/installation of the cables is no longer proposed and will not be



Item No.	Topic	Comment	Applicant's Response
140.		not all the proposed construction methods have been assessed.' Those not assessed include; the use of flotation pits to permit vessels to approach closers onshore, grounding of installation vessels, use of a TSHD to create the pre-lay trench. As these are some of the	included within the project description for the final ES.
		methods with the greatest potential for interaction and impact to heritage assets, to not include them within the preliminary environmental assessment makes it difficult for us to assess the full potential impact of the scheme. We therefore request that further information regarding these methods is included within the EIA.	All other proposed construction methods will be fully described and assessed in the final ES.
7		Additionally, we find that the information provided within Chapter 3 is insufficient to determine the maximum impacts of these	Acknowledged.
	Marine Archaeology	techniques, in terms of both seabed surface and sediment depth to be impacted. Whilst we acknowledge that some of this information is presented within Appendix 3.2 'Marine Worse Case Scenarios' this should usefully be presented within the main chapter.	As more detailed information is gathered and the project description finalised, the worst-case scenario will be updated in the final ES and presented in the main chapter.
8			It should be noted that many maintenance activities do not require a marine licence including:
	Application	We understand from the documents we have received that the project is being designed to reduce the need for operational maintenance. Some inferences are made to the need to apply for an additional marine licence for operational maintenance should it be required, but it is unclear which activities are being sought for consent through this application and which will be sought separately. This should be clarified in any forthcoming application for consent.	 the removal and replacement of defective cable sections removal of sediment to undertake repairs the removal / replacement of cable protection to access the cable
			However, where appropriate, further detail on operations and maintenance activities such as in-service inspection surveys and potential repairs / replacements will be provided within



Item No.	Topic	Comment	Applicant's Response
			the project description. Any potential significant environmental effects will be assessed accordingly within the final ES.
9	Marine Archaeology	Sub-section 14.2.2 'Legislation' of Chapter 14 states that there are no Scheduled Monuments within the Proposed Development or ASA. This must be clarified to distinguish this comment as relating to below MHWS as the map of the ASA in Figure 14.1(same Chapter) clearly shows that the ASA buffers extends over not only Fort Cumberland (a scheduled monument) but also over a significant proportion of Portsmouth, Southsea and Langstone Harbour where further designations are present.	Figure 14-1 shows the data collection search area (ASA), but the presented gazetteer is then restricted to the Marine Cable Corridor. So yes, the data collection buffer extends onshore, but only marine and intertidal elements are taken forward in this chapter. Onshore receptors - such as Fort Cumberland - are discussed within the relevant onshore chapter. Figure 14.1 will be updated to make this clearer.
10	Marine Local	Within paragraph 14.2.3.4 of Chapter 14 reference is made to the UKMPS (2011), as per our previously advice, but considering that this is the primary national planning policy for the marine environment it is unclear why it is given only two sentences of explanation, as opposed to the several paragraphs reserved for the NPPF. Further detail on the role and relevance of the MPS should be included. Similarly, further detail on which policies within the South Inshore and South Offshore Marine Plans are of relevance should also be included.	Noted. A more thorough consideration of South Marine Plan Policies will be included as part of the DCO application. It should be noted that when a marine plan is adopted, it replaces the UK MPS as the marine policy document. It is also important to highlight for Nationally Significant Infrastructure Projects (NSIPs) such as the Aquind Interconnector, the primary planning documents are the UK National Policy Statements (NPS), in this case NPS EN-1, and only regard needs to be had to the South Marine Plan when determining the Aquind DCO application.
11	Marine Archaeology	We acknowledge from Appendix 14.2 'Marine Archaeology Technical Report' that geophysical and geotechnical data, consisting of subbottom profiler, multibeam bathymetry echo sounder, side scan sonar, magnetometry data, vibrocores and Cone Penetration Tests	The 100% terminology is not fully applicable for magnetometry data as the magnetometer is taken in lines across the assessment area rather than a wide area scan as with the side scan



Item No.	Topic	Comment	Applicant's Response
110.		(CPTs), was collected by MMT in November 2017 to March 2018. The geophysical datasets were assessed to be of good quality, with the exception of the magnetometer which was of average quality, though all datasets were still acceptable for archaeological assessment. We note from Appendix 14.2 that the surveys were run at 60m line spacing for the offshore section of the MCC (greater than 10m LAT), and that below 10m LAT (inshore section) the line spacing was 25m. However, it is not clear whether this methodology was successful in achieving 100% or greater coverage of the seabed from the text.	sonar. However, we are able to confirm that the data provides a full coverage assessment of the area.
12	Marine Archaeology	Furthermore, we acknowledge from Section 14.10 'Assessments and surveys still to be undertaken' of Chapter 14 that prior to installation further ground conditions surveys are to be conducted. These surveys should also be utilised for a further archaeological assessment, in order to refine mitigation measures based on the most up-to-date and/or highest resolution data. This should be undertaken by a qualified and experienced archaeologist to a method statement approved by the licence regulator and their archaeological curator.	Methodologies and mitigation measures will be detailed in the outline WSI submitted as part of the DCO application and the final WSI agreed and implemented post consent.
13	Marine Archaeology	We note from the archaeological assessment that localised palaeochannels and palaeovalleys were identified within the subbottom profiler data, which may contain in situ remains. Additionally, we understand that there are no wrecks with statutory protection within the ASA. The assessment identified a total of 387 anomalies, of which four are considered A1 anomalies with two of these relating to known UKHO wreck records. The two further receptors identified as A1 are described as a large debris field with a large magnetic anomaly, and a large magnetic anomaly with no surface expression.	Acknowledged.
14	Marine Archaeology	We further note that the remaining 383 anomalies identified are A2, there is a total of 104 recorded losses (A3), mostly dating from the post-medieval period onwards, and that there are no known aircraft	Acknowledged.



crash sites within the ASA, but there are 21 recorded losses from the NRHE in the ASA, mostly relating to WWII losses. We understand that no new archaeological features or objects were identified within the intertidal walkover survey, however, there are two records from the NRHE and HER for prehistoric findspots that no longer exist at the locations provided. 15 Marine Archaeology	Item	Topic	Comment	Applicant's Response
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	18		We note that mitigation measures are proposed in Section 14.7	
	10	Marino	· ·	The monitoring of AEZs will be further discussed
Archaeology each of 100m radiuses around the identified extent of the seabed within the final ES.			, , , , , , , , , , , , , , , , , , , ,	
feature. Additionally, paragraph 14.7.1.2 of Chapter 14 references		Aichaeology		within the illiar L3.



Item No.	Topic	Comment	Applicant's Response
		monitoring of AEZs to ensure that no disturbances during installation. We are greatly encouraged to see this provision included, and request further explanation with the EIA for this measure.	
19	Marine Archaeology	We understand that for A2 anomalies AEZs are not typically used, but the project tries to microsite them. However, the statement regarding 'the application of appropriate mitigation' of A2 anomalies should micrositing not be possible, should be more explicitly explained in reference to the mitigation strategies set out in 14.7 of Chapter 14.	Further investigations into the A2 anomalies to determine their archaeological value will be undertaken. This will inform what mitigation measures are required. Further discussion on A2 anomalies will be provided in the final ES and any proposed mitigation will be outlined in the outline / final WSI.
20	Marine Archaeology	We do not approve of the impact assessment provided in Table 14.7 'Direct and indirect impacts summary' of Chapter 14 for the use of anchors during construction, operation and decommissioning. Mitigation measures should include the use of AEZs and micrositing so that anchor positions avoid known archaeological assets, and consideration of the use of a PAD in case of a 'strike'.	Table 14.7 will be updated within the final ES to reflect the proposed mitigation measures.
21	Marine Archaeology	We note that no historic seascape characterisation assessment has been conducted within Chapter 14 'Marine Archaeology', and that Appendix 5.2 'Scoping Opinion' specifies that the Scoping Opinion from the Planning Inspectorate specified that it was acceptable for seascapes assessments to be scoped out of the Environmental Impact Assessment.	Acknowledged.



APPENDIX 3

HE RESPONSE TO MARINE BRIEFING NOTE_AUGUST 2019





Sarah Lister Senior Project Manager Natural Power Our ref: UKCS/ Aquind

Telephone:

27th August 2019

Dear Sarah,

Thank you for your email dated 2nd August 2019 requesting our advice on the Post-PEIR Briefing Note for the Aquind interconnector project. We have reviewed the document supplied to us, as referenced below, along with our previous correspondence and wish to make the following comments.

Briefing Note to inform Ongoing Consultation: Responses to PEIR Feedback (dated August 2019), prepared by Natural Power on behalf of Aquind Ltd.

We note that the majority of our previous comments have either been acknowledged or will be further detailed with the documents submitted in support of the Development Consent Order (DCO) application. As such, we reserved any further comments on these matters until we have reviewed this documentation. However, we do have further comments on a number of points as set out below.

In regards to Point 3, we acknowledge that it is the intention of the applicant to include a protocol for archaeological discoveries as mitigation to the potential impacts from pre-installation and clearance works. However, we wish to emphasise that this is not the sole mitigation measure that can be and should be applied. Any further detail provided within the DCO application would need to consider a range of mitigation measures as appropriate for the known and potential unknown archaeological receptors identified within the baselines assessment.

We note your comments within Point 8 regarding operations and maintenance activities, and that they are different to how this matter has been addressed in other DCO applications. We therefore recommend that you contact the competent authority (the MMO) for further detail are regarding operations and maintenance requirements, to get clearer expectations on this aspect of the project going forward.





Please feel free to get in touch should you wish to discuss our advice further.

Yours sincerely,



Pip Naylor,

Marine Planning Archaeological Officer Email: Pip.Naylor@HistoricEngland.org.uk







APPENDIX 4

HE RESPONSE TO DRAFT MARINE WSI_ SEPTEMBER 2019





Sarah Lister Senior Project Manager Natural Power Our ref: UKCS/ Aquind

Telephone:

24th September 2019

Dear Sarah,

Thank you for your email dated 5th September 2019 requesting our advice on the draft Marine Archaeology Outline Written Scheme of Investigation (WSI) for the Aquind interconnector project. We have reviewed the document supplied to us, as referenced below, along with our previous correspondence and wish to make the following comments.

Aquind Interconnector Marine Archaeology Outline Written Scheme of Investigation (dated September 2019), prepared by Wessex Archaeology on behalf of Aquind Ltd.

In general, we are satisfied that the draft document referenced above is adequate to act as draft Outline Marine WSI based on the information made available to us during the Preliminary Environmental Information Report consultation. However, subject to the information presented within the formal applicant for a Development Consent Order (DCO) we may wish to make additional comments.

In particular we were encouraged to see the inclusion of statements describing the need for co-ordination between the onshore and marine WSIs within paragraph 1.1.7, and the provision within paragraph 7.2.2 stating that the planning of any surveys covering Archaeological Exclusion Zones (AEZs) should include archaeological advice to maximise the archaeological benefits. We are also content that the mitigation measures set out in Section 7 are acceptable for an outline WSI. Specifically, we are pleased that the proposed AEZs are based on the extents of the sites, as opposed to the centre points of the features, and the inclusion of Section 9.11 'Post Construction Monitoring'.





However, there are a number of areas that require further attention and amendments within the WSI, which are set out as follows.

The document references that the WSI is to be submitted at least 3 months prior to the commencement of construction activities. We recommend that this is increased to 4 months to allow for sufficient time for the review and agreement of the WSI in line with timeframes for consented marine licences for other marine interconnector cables. Furthermore, there is then reference made to part (d) of the DCO condition which references the need to submit archaeological reports to OASIS within 6 months of completion of the project. We recommend that the reports are submitted within 3 months of the approval of the final report by the MMO and their advisors, Historic England.

We note the content of paragraph 1.1.8, but wish to emphasise that Historic England no longer wish to see the WSI as a living document throughout the life of the project. The WSI should be updated and agreed by the MMO and their advisors prior to the commencement of construction activities, with subsequent project updates addressed through the production of method statements. Therefore, this and the subsequent paragraph need to be edited and/or removed.

Section 4.2 'Archaeological Curator(s)' states that we are the relevant heritage advisor from Mean High Water Springs (MHWS) out to 12nm. However, it should be noted that we offer our advice across the full extent of the South Inshore and Offshore Marine Plan Areas in reference to published objectives and policy for the historic environment. This section should be amended to reflect this.

Paragraph 4.2.4 should be amended to contain a timeframe for the submission of method statements prior to the commencement of planned works, to ensure clear expectations for all parties and to allow sufficient time for their review and agreement. Similarly, a timeframe should also be included within paragraph 8.1.4 for the submission of archaeological reports produced to the MMO and archaeological curators for review, and for both of these instances we recommend a timeframe of 4 months.

In relation to paragraph 9.5.1 which states contacts for discussing further investigation works, this should be amended to Historic England in general rather than solely the Regional Science Advisor.

It is recommended that ROV or diver surveys undertaken for UXO purposes, as set out in Section 9.7, ground truth at least 10% of all archaeological contacts, including those were impacts are likely and a proportion of those considered of low potential.

Further consideration should be given the application of watching briefs within Section 9.9, especially in relation to the excavation of Horizontal Directional Drilling (HDD) exit pits, once further details of the likely construction methods are known.





It is noted within paragraph 11.1.1 that 'all finds will, as a minimum, be washed...' This should be clarified to explain that any washing of finds will not occur until it has been determined whether any surface deposits, staining, or internal deposits are not of archaeological relevance, and any appropriate assessments undertaken.

There are also a number of errors that require revision:

- Paragraph 1.1.5 appears to have a number of words missing which makes it difficult to understand.
- The details provided within Section 4.2 'Archaeological Curator(s) is incorrect and must be updated as follows:
 - Pip Naylor, Marine Planning Archaeological Officer, Historic England,
 Cannon Bridge House, 25 Dowgate Hill, London, EC4R 2YA
 - Jane Corcoran, Regional Science Advisor for London and South East, Historic England, Cannon Bridge House, 25 Dowgate Hill, London, EC4R 2YA
- The guidance documents 'Environmental Archaeology: a guide to the theory and practice of methods, from sampling and recovery to post-excavation' (English Heritage, 2011) and 'Geoarchaeology: using earth sciences to understand the archaeological record' (Historic England, 2015b) should be included within the list given in paragraph 9.2.1 given that they are of relevance, and are referenced in Section 10.7 'Environmental Archaeology'.
- No details of a Protocol for Archaeological Discoveries (PAD) are appended to the draft WSI. Please ensure that this detail is included in the WSI prior to submission for the DCO.

Please feel free to get in touch should you wish to discuss our advice further.

Yours sincerely,

Pip Naylor,

Marine Planning Archaeological Officer

Email: Pip.Naylor@HistoricEngland.org.uk







APPENDIX 5

HE S.56 RELEVANT REPRESENTATION





PINs Registration and Relevant Representation

Form

Section 56 Planning Act 2008

PINs Ref: EN020022

Telephone: |

Our ref:

Cable/Aquind

Date notified:

Response deadline: 19th February 2020

Project outline: Aguind Interconnector Cable

Response made by: Pip Naylor (submitted by

Christopher Pater)

Date response issued: 17/02/2020

Representation:

Historic England (retaining the formal title of the Historic Buildings and Monuments Commission for England) is the government service championing England's heritage and giving expert, constructive advice. We summarise our representation regarding this proposed project as follows:

- 1. There is potential for this development to impact upon the historic environment, and that without mitigation this impact will be significant in relation to some receptors, including maritime, aviation and prehistoric heritage assets within the Marine Cable Corridor and designated heritage assets within the onshore cable route. We are aware the application includes an Environmental Statement (ES) and some amendments have been made to the ES since our letter of 29th April 2019 in relation to the Preliminary Environmental Information Report stage.
- 2. For the onshore historic environment, we note that an Optical Regeneration Station (ORS) is to be positioned in the north-east corner of a car park, located west of Fort Cumberland (Eastney, Portsmouth) which is protected as a Scheduled Monument and Grade II* Listed Building. The ORS has a proposed height of 4m at a distance of around 250m from the glacis (an area of sloping ground constructed as a part of the outer defences) and screening is proposed.



Although the positioning of the ORS should allow a partial continuation of the line of sight from the ravelin (a triangular structure located inside the main ditch of the fort as a forward defence point) towards Fort Cumberland Road, there will be some harm to the view. As a result of this we would want to see this line of sight maintained to maximum extent through the redesign or repositioning of the ORS, in agreement with Historic England.

- 3. The application includes an outline Marine Written Scheme of Investigation (WSI), PINS document Reference: 6.3.14.3) which sets out how the proposed project might mitigate against impact to the historic environment, to which we provided comments prior to the submission of this application. We will therefore be looking to ensure that the deemed Marine Licence within the proposed draft Development Consent Order (DCO) includes adequate provision for delivery of a project specific WSI (should consent be granted).
- 4. Any final and agreed Marine WSI must enable the implementation of appropriate mitigation measures to avoid and reduce the impact from the development on the known and unknown historic environment. It is important that the marine WSI provides for the application of appropriate methodologies for further investigations conducted within the proposed project development area, as a key mechanism to inform the final stages of project planning, should consent be obtained. A relevant factor therefore is the timely way in which these matters are taken into consideration prior to the commencement of construction activities. Therefore, we recommend that the WSI is produced and agreed pre-commencement i.e. before the commencement of pre-construction activities and we will provide further advice within our Written Representation as necessary regarding Schedule 15 of the draft DCO. We will also provide further advice on any other matters relating to the proposed delivery of this development in reference to the details contained within the submitted DCO application.

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