

From: [Victoria Lane \(Brodies Solicitors\)](#)
To: [Hornsea Project Three](#)
Cc: [Karen Hamilton \(Brodies Solicitors\)](#)
Subject: Spirit Energy ISH 1 Submission - Appendices List and Appendix ZD - ZO [BRO-D.FID4510105]
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[SE ISH 1 - Appendix ZG - Spirit Energy Technical Note 44089234 1.PDF](#)
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[SE ISH 1 - Appendix ZE - Addendum to AviateQ International Limited Report \(December 2018\) 44089225 1.PDF](#)
[SE ISH 1 - Appendix ZD - Addendum to Noble Denton Marine Services Report to Spirit Energy Report Review of Marine Hazards \(December 2018\) 44089055 1.PDF](#)

CONFIDENTIAL MESSAGE - INTENDED RECIPIENT ONLY

Please find attached Appendix ZD – ZO

Kind regards

Victoria Lane
Senior Solicitor
Edinburgh, UK
www.brodies.com

Direct Line +44(0) 131 656 0127



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Also at: 110 Queen Street, Glasgow G1 3BX, Scotland UK T 0141 248 4672, F 0141 221 9270, DX GW11 Glasgow-1; And: Brodies House, 31-33 Union Grove, Aberdeen AB10 6SD, Scotland UK T 01224 392 242, F 01224 392 244, DX AB10 Aberdeen; And: Dingwall Business Park, Dingwall, IV15 9XB, Scotland UK T 01349 860 111, F 01349 860 112; And: Scotland House, Rond-Point Schuman 6, 1040 Brussels, Belgium T +322 282 8301

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SPIRIT ENERGY

POST- ISSUE SPECIFIC HEARING 1 SUBMISSIONS

LIST OF APPENDICES

- A Licence P. 468 dated 15 August 1983 (Concerning entitlement to search and exploit Block 49-9, Chiswick).
- B Markham Treaty (UK Version - Agreement between the United Kingdom and the Kingdom of the Netherlands relating to the Exploitation of the Markham Field Reservoirs and the Offtake of Petroleum therefrom (The Hague, May 1992)) **[COPY OF TREATY TO FOLLOW]**
- C Maritime and Coastguard Agency, MGN 372 (August 2008)
- D Infrastructure Planning Commission, Advice Note 9: Rochdale Envelope (February 2009)
- E UK Policy Statement (March 2011) (Relevant Extracts)
- F The Exclusive Economic Zone Order 2013 (SI No: 3161 of 2013)
- G Map of the UK Exclusive Economic Zone (SI No: 3161 of 2013)
- H MCA, Methodology for Assessing the Marine Navigational Safety & Emergency Response Risks of Offshore Renewable Energy Installations (2013)
- I CAA, CAP1145: Safety review of offshore public transport helicopter operations in support of oil and the exploitation of oil and gas (February 2014)
- J East Inshore and East Offshore Marine Plan (April 2014) (Relevant Extracts)
- K Transport Committee's Second Report on Offshore Helicopter Safety (July 2014)
- L CAA, CAP1243 Safety review of offshore public transport helicopter operations in support of the exploitation of oil and gas - Progress report (January 2015)
- M CAA, CAP764: Policy and Guidelines on Wind Turbines (February 2016)
- N Maritime and Coastguard Agency, MGN 543 (February 2016)
- O Oil and Gas Authority, The Maximising Economic Recovery Strategy for the UK (March 2016)
- P CAA, CAP1386 Safety review of offshore public transport helicopter operations in support of the exploitation of oil and gas - Progress report (September 2016)
- Q Hornsea Two Offshore Wind Farm Order 2016, No. 0000, Article 6(1); Schedule 12, Parts 8, 9 and 10 (in force from 7th September 2016)

R	HeliOffshore Safety, Proposals for Offshore Safety Enhancements (24 March 2017)
S	East Anglia Three Offshore Wind Farm Order 2017, No. 826, Article 3(1); Schedule 8, Part 7 (in force from 29th August 2017)
T	Markham ST-1 Decommissioning Programme (31 January 2018)
U	Marine Accident Investigation Branch, Report on the Investigation of the collision between Sage Sky and Stema Barge II on 20 November 2016 (March 2018)
V	Planning Inspectorate, Advice Note 9: Rochdale Envelope (July 2018)
W	Noble Denton Marine Services - Hornsea 3 Wind Farm Review of Marine Hazards (November 2018)
X	Marine 4 – Letter from OGUK, Oil and Gas Regulator (19 September 2018)
Y	AviateQ International Limited Report (October 2018)
Z	CAA, Operational Manual Extracts - Appendix 1 to the AviateQ International Limited Report (October 2018)
ZA	Written Representation (7 November 2018)
ZB	Spirit Energy Proposed Protective Provisions (7 November 2018)
ZC	Declaration – Chiswick, Grove and J6A Safety Cases
ZD	Addendum to Noble Denton Marine Services Report to Spirit Energy Report Review of Marine Hazards (December 2018)
ZE	Addendum to AviateQ International Limited Report (December 2018)
ZF	Legislative Framework Summary
ZG	Spirit Energy Technical Note
ZH	Map showing Spirit Energy's Proposed Protective Provisions: Hornsea and all radii (including diameter in nautical miles of safe air volumes and sea surface areas)
ZI	Map showing Spirit Energy's Proposed Protective Provisions: Hornsea and 2nm radius (including diameter in nautical miles of safe vessel allision risk avoidance sea surface areas)
ZJ	Map showing Spirit Energy's Proposed Protective Provisions: Hornsea and 5nm radius (including diameter in nautical miles of AW139 Helicopter safe Missed Approach air volume)
ZK	Map showing Spirit Energy's Proposed Protective Provisions: Hornsea and 7.5nm radius (including diameter in nautical miles of AW139 Helicopter safe Standard Approach air volume)

- ZL Map showing Spirit Energy's Proposed Protective Provisions: Composite of Spirit Energy and Orsted Maps (including diameters in nautical miles AW139 Helicopter safe air volumes and vessel allision risk avoidance sea surface areas)
- ZM Expert assessment of flying conditions for ARA – Sample of weather forecasts at Block J-West (1 October 2017 – 29 September 2018)
- ZN Comprehensive analysis of flying conditions (percentage frequency outcome) based on 3-hourly weather data for J6A (1 October 2017 – 29 September 2018)
- ZO Issue Specific Hearing 1 (4 December 2018) – Summary of Oral Evidence