

The Lighthouse Green Fuels Order

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Applicant: LGF Projects Limited

Environmental Statement Volume III Appendix 1A: Relevant Expertise and Competency

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Author	Arup
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Abbreviations

Abbreviation	In full
C.WEM	Chartered Water and Environmental Manager
CEng	Chartered Engineer
CEnv	Chartered Environmentalist
CGeol	Chartered Geologist
CIWM	Chartered Institute of Wastes Management
CMCILT	Chartered Member of the Chartered Institute of Logistics and Transport
CMLI	Chartered Member of the Landscape Institute
EIA	Environmental Impact Assessment
ES	Environmental Statement
FGS	Fellow of The Geological Society
FGS	Fellow of The Geological Society
ICES	International Council for the Exploration of the Sea
IEMA	Institute of Environmental Management and Assessment
IES	Institution of Environmental Science
IOA	Institute of Acoustics
IED	Institute of Economic Development
IMAREST	Chartered Marine Engineer
INCA	Industry Nature Conservation Association
ISEP	Institute of Sustainability and Environmental Professionals
MCIHT	Member of the Chartered Institute of Highways and Transportation
MIEEM	Member of the Institute of Ecology and Environmental Management
MRTPI	Member of the Royal Town Planning Institute
PEIR	Preliminary Environmental Information Report
RGS	Royal Geographic Society
SiLC	Specialist in Land Condition
SPE	Society of Professional Economics

1 Relevant expertise and competency

1.1 Competent experts

- 1.1.1 In accordance with Regulation 14(4) of The infrastructure Planning (Environmental Impact Assessment) (EIA) Regulations 2017 (the EIA Regulations) a Statement of Competence is included within the Environmental Statement (ES), outlining the relevant expertise or qualifications of the experts who undertook the EIA.
- 1.1.2 Competent experts prepared the ES. The Applicant has engaged Arup to lead the EIA, along with expert ecological survey support from the Teesside based Industry Nature Conservation Association (INCA) and support in relation to Marine Navigation by Nash Maritime. Arup holds the Institute of Sustainability and Environmental Professionals (ISEP, formerly the Institute of Environmental Management and Assessment (IEMA)) EIA Quality Mark.
- 1.1.3 The aspect-specific chapters of this ES (Chapters 8-21, ES Volume I (Application Document Ref 6.1)) and their corresponding appendices in ES Volume II (Application Document Ref 6.2) have been prepared by competent aspect authors. The credentials of each aspect expert and lead authors are detailed below in Table 1.1.

Table 1.1 Competent Authors

Chapter	Author	Qualification	Professional Qualification / Memberships
Chapter 1: Introduction	Arup	PhD, Engineering Geology	Chartered Geologist (CGeol) Fellow of The Geological Society (FGS)
Chapter 2: Assessment Methodology	Arup	MSc, Environmental Science, Measurement and Modelling	
Chapter 3: Description of Site and Surrounding Area	Arup	BSc, (Hons) Geology and Chemistry	
Chapter 4: Proposed Development	Arup		
Chapter 5: Construction Programme and Management	Arup		
Chapter 6: Alternatives and Design Evolution	Arup		

Chapter	Author	Qualification	Professional Qualification / Memberships
Chapter 7: Planning and Energy Policy	DWD	BSc (Hons), City and Regional Planning	Member of the Royal Town Planning Institute (MRTPI)
Chapter 8: Air Quality	Arup	MSc, Pollution Monitoring and Control BSc, Environmental Biogeoscience	-
Chapter 9: Noise and Vibration	Arup	MSc, Environmental Engineering & Design BEng, Civil Engineering Diploma, Institute of Acoustics	Associated Member of the Institute of Acoustics (AMIOA)
Chapter 10: Terrestrial Ecology	Arup	MSc, Geography BSc (Hons), Geography University Certificate in Biological Recording and Species Identification	Member of the Institute of Ecology and Environmental Management (MIEEM)
Chapter 11: Freshwater and Marine Ecology	Arup	PhD, The Benthic Ecology of Beaufort's Dyke MRes, Scoured habitats of Pisces Reef, Irish Sea BSc (Hons), Marine Biology and Coastal Ecology	Member of International Council for the Exploration of the Sea (ICES) Marine Habitat Mapping Working Group
Chapter 12: Water Environment and Flood Risk	Arup	Water: MEng (Hons), Civil Engineering Flood Risk: MEng (Hons), Civil Engineering	Water: Chartered Engineer (CEng). Chartered Water and Environmental Manager (C.WEM) Flood Risk: Chartered Engineer (CEng). Chartered Water and Environmental Manager (C.WEM)
Chapter 13: Landscape and Visual Amenity	Arup	Diplom-Ingenieur (Dipl.-Ing.) Landscape Architecture (University of Applied Sciences Erfurt, Germany) Professional accreditation as Landscape Gardener (Apprenticeship at the	Chartered Member of the Landscape Institute (CMLI).

Chapter	Author	Qualification	Professional Qualification / Memberships
		Council of Erfurt, Germany).	
Chapter 14: Greenhouse Gases	Arup	MSc, Environmental Management & technology BSc, Environmental Science	Chartered Environmentalist (CEnv) Institution of Environmental Science (IES).
Chapter 15: Climate Change Resilience	Arup	MSc, Urban Water and Environmental Management Postgraduate Diploma, Information Technology BEng (Hons), Mechanical Engineering	Chartered Engineer, Institution of Mechanical Engineers
Chapter 16: Materials and Waste	Arup	MSc, Sustainable Development. Post-Graduate Certificate, Sustainable Waste Management BA (Hons), Tourism and Environment	Chartered Environmentalist (CEnv) Chartered Waste Manager, Chartered Institute of Wastes Management (CIWM).
Chapter 17: Socioeconomics (note, with inputs from Human Health)	Arup	MSc, Economics & Public Policy MA, Economics Environmental Economics	Member of Institute of Economic Development (IED). Member of Society of Professional Economists (SPE).
Chapter 18: Traffic and Transport	Arup	MEng (Hons), Civil Engineering	Chartered Member of the Chartered Institute of Logistics and Transport (CMCILT) Member of the Chartered Institute of Highways and Transportation (MCIHT).
Chapter 19: Major Accidents and Disasters	Arup	MSc, Sustainability BSc (Hons), Environmental Geosciences	Member of IEMA Chartered Environmentalist (CEnv)
Chapter 20: Marine Navigation	Nash Maritime	PhD, Computer Science and Risk Analysis BA (Hons), Geography	Chartered Engineer (CEng) Chartered Marine Engineer (IMAREST) Fellow Royal Geographical Society (FRGS)

Chapter	Author	Qualification	Professional Qualification / Memberships
Chapter 21: Geology and Soils	Arup	MSc, Hydrogeology BSc, Geological Sciences	Chartered Geologist (CGeol) Chartered Scientist (CSci) Fellow of The Geological Society (FGS) Specialist in Land Condition (SiLC)
Chapter 22: Cumulative and Combined Effects	Arup	PhD, Engineering Geology MSc, Environmental Science, Measurement and Modelling	Chartered Geologist (CGeol) Fellow of The Geological Society (FGS)
Chapter 23: Summary of Significant Effects	Arup	BSc (Hons), Geology and Chemistry	



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