

ABLE MARINE ENERGY PARK (MATERIAL CHANGE 2 - TR030006)

UPDATED ENVIRONMENTAL STATEMENT

CHAPTER 29: ACRONYMS AND ABBREVIATIONS

Able Marine Energy Park, Killingholme, North Lincolnshire



SLR Ref: 416.01148.00005
Version No: FINAL
June 2021



BASIS OF REPORT

This document has been prepared by SLR Consulting Limited with reasonable skill, care and diligence, and taking account of the manpower, timescales and resources devoted to it by agreement with Able UK Limited (the Client) as part or all of the services it has been appointed by the Client to carry out. It is subject to the terms and conditions of that appointment.

SLR shall not be liable for the use of or reliance on any information, advice, recommendations and opinions in this document for any purpose by any person other than the Client. Reliance may be granted to a third party only in the event that SLR and the third party have executed a reliance agreement or collateral warranty.

Information reported herein may be based on the interpretation of public domain data collected by SLR, and/or information supplied by the Client and/or its other advisors and associates. These data have been accepted in good faith as being accurate and valid.

The copyright and intellectual property in all drawings, reports, specifications, bills of quantities, calculations and other information set out in this report remain vested in SLR unless the terms of appointment state otherwise.

This document may contain information of a specialised and/or highly technical nature and the Client is advised to seek clarification on any elements which may be unclear to it.

Information, advice, recommendations and opinions in this document should only be relied upon in the context of the whole document and any documents referenced explicitly herein and should then only be used within the context of the appointment.

ACRONYM OR ABBREVIATION	DEFINITION
°C	Degree Celsius
AA	Appropriate Assessment
AADT	Annual Average Daily Traffic
ABP	Associated British Ports
ADMS	Atmospheric Dispersion Modelling Software
AEP	Annual Exceedance Probability
AGL	Above Ground Level
AGLV	Area of Great Landscape Value
AHP	Able Humber Port
AIR	Air Information Resource
AIP	Aeronautical Information Publication – a publication containing details pertinent to flying aircraft, for general (GEN) and specific to en-route (ENR) and aerodrome (AD)
AIP-AD	The part of AIP relevant to the aerodrome
AIS	Automatic Identification System
ALARP	As Low As Reasonably Practicable
ALs	CEFAS Action Levels
ALARP	As Low As Reasonably Practicable
AM	Amplitude Modulation
AMEP	Able Marine Energy Park
AMSL	Above Mean Sea Level – refers to a height above a mean sea level, often locally derived from a nearby coastline, Typically, AMSL and AOD are used interchangeably and are considered broadly equivalent.
AMWB	Artificially Modified Waterbody
ANO	Air Navigation Order
AOD	Above Ordnance Datum
AONB	Areas of Outstanding Natural Beauty
AoR	Area of Responsibility
APA (APZ)	Archaeological Priority Area (Archaeological Priority Zone)
APIS	Air Pollution Information Services
APT	Associated Petroleum Terminals

ACRONYM OR ABBREVIATION	DEFINITION
AQAP	Air Quality Action Plan
AQLV	Air Quality Limit Value
AQMA	Air Quality Management Area
AQO	Air Quality Objective
AQS	Air Quality Standards
As	Arsenic
ASHE	Annual Survey of Hours and Earnings
ASR	Annual Status Report
ATC	Automatic Traffic Counts
AURN	Automatic Urban and Rural Network
AVR	Accurate Visual Representation
B&V	Black & Veatch Ltd
BAP	Biodiversity Action Plan
BAT	Best Available Techniques/Technology
BATEA	Best Available Techniques/Technology Economically Achievable
BBPP	Breeding Bird Protection Plan
BBS	Breeding Bird Surveys
BCT	Bat Conservation Trust
BEB	Building Emissions Benchmark
BF	Beaufort Force
BGS	British Geological Survey
BH	Borehole
BHD	Backhoe Dredging
BIS	Department for Business, Innovation and Skills
BIM	Building Information Modelling
Birds Directive	Council Directive 2009/147/EC on the Conservation of Wild Birds
BoCC	Birds of Conservation Concern
BP	Before Present
BPM	Best Practical Means

ACRONYM OR ABBREVIATION	DEFINITION
BS	British Standard
BSF	Bluestar Foundations
BSI	British Standards Institution
BTO	British Trust for Ornithology
C4SL	Category 4 Screen Levels
CA	Conservation Area
CAA	Civil Aviation Authority
CAPs	Civil Aviation Publications
CBD	Convention on Biological Diversity
CBI	Confederation of British Industries
CBR	California Bearing Ratio
Cd	Cadmium
CD	Chart Datum
CEFAS	Centre for Environment, Fisheries & Aquaculture Science
CFD	Computational Fluid Dynamics
CHA	Competent Harbour Authority
CHaMP	Coastal Habitat Management Plan
CIEEM	Chartered Institute of Ecology and Environmental Management
CIfA	Chartered Institute for Archaeologists
CIRIA	Construction Industry Research and Information Association
CL	Critical Load/Critical Level
CL:AIRE	Contaminated Land: Applications in Real Environments
CLP	Construction Logistics Plan
CLVIA	Cumulative Landscape and Visual Assessment
CEMP	Construction and Environmental Management Plan
CLR	Contaminated Land Report
CMP	Conservation Management Plan
CMS	Construction Method Statement
CO	Carbon Monoxide

ACRONYM OR ABBREVIATION	DEFINITION
CO ²	Carbon Dioxide
COCP	Code of Construction Practice
COLREGS	International Regulations for Preventing Collisions at Sea 1972
COMAH	Control of Major Accident Hazards
CP	Civil Parish
Cr	Chromium
CRN	Calculation of Railway Noise Method
CRoW	Countryside and Rights of Way Act 2000
CRTN	Calculation of Road Traffic Noise
CS	Characteristic Situation
CSD	Cutter Section Dredgers
CSM	Conceptual Site Model
CZTV	Comparative Zone of Theoretical Visibility
DAS	Design and Access Statement
dB	Decibels
dBa	A-weighted decibel
dBc	C-weighted decibel
dBz	Z-weighted decibel
DBA	Desk Based Assessment
DCLG	Department for Communities and Local Government
DCO	Development Consent Order
DCMS	Department for Culture, Media and Sport
DECC	Department of Energy and Climate Change
DEFRA	Department for Environment, Food and Rural Affairs
DETR	Department of the Environment, Transport and Regions
DES	Detached Eddy Simulation
DML	Deemed Marine License
DMRB	Design Manual for Roads and Bridges
DfT	Department for Transport

ACRONYM OR ABBREVIATION	DEFINITION
DSM	Digital Surface Model
DSP	Delivery and Servicing Plan
DTI	Department of Trade and Industry
DTM	Digital Terrain Model
DWT	Deadweight Tonnage
EA	Environment Agency
EART	Environmental Assessment of Road Traffic
EASA	European Union Safety Agency
EC	European Commission
ECow	Ecological Clerk of Works
EDS	Economic Development Strategy
EEC	European Economic Community
EGPS	Electricity Generation Policy Statement
EHO	Environmental Health Officer
EIA	Environmental Impact Assessment
EIFCA	Eastern Inshore Fisheries and Conservation Authority
EJFC	Eastern Joint Fisheries Committee
ELC	European Landscape Convention
ELR	Employment Land Review
EN-1	Overarching Energy NPS
EN-3	Renewable Energy NPS
EQA	Environmental Quality Standards
EP	English Partnerships
EPA	Environmental Protection Act
EPAQS	Expert Panel on Air Quality Standards
EPUK	Environmental Protection UK
EPS	European Protected Species BAP
EQS	Environmental Quality Standards
ERM	Environmental Resources Management Ltd

ACRONYM OR ABBREVIATION	DEFINITION
ES	Environmental Statement – the report which documents the results of the EIA
EU	European Union
EUBS	EU Biodiversity Strategy
EV	Electric Vehicles
FEPA	Food and Environment Protection Act 1985
FRA	Flood Risk Assessment
FSA	Formal Safety Assessment
FTE	Full Time Equivalent
GAC	Generic Assessment Criteria
GCN	Great crested newt
GHG	Greenhouse Gases
GI	Ground Investigation
GIGL	Greenspace Information for Greater London
GIS	Geographic Information Systems
GLA	Greater London Authority
GLVIA3	Guidelines for Landscape and Visual Impact Assessment, 3 rd Edition
GPG	Good Practice Guide
GPS	Geographical Positioning System
GSV	Gas Screening Value
GT	Gross Tonnes
GVA	Gross Value Added
GW	Gigawatt
GWh	Gigawatt Hour
Habitats Directive	Council Directive 92/43/EEC on the Conservation of Natural Habitats and of Wild Flora and Fauna
Habitats Regulations	The Conservation (Natural Habitats &c.) Regulations 1994 (as amended)
Ha	Hectares
HAP	Habitat Action Plan
HAV	Hand Arm Vibration

ACRONYM OR ABBREVIATION	DEFINITION
HCMP	Heavy Component Manufacturing Park
HE	Historic England
HEP	Humber Economic Partnership
HER	Historic Environment Record
HES	Humber Estuary Services
HFRMS	Humber Flood Risk Management Strategy
HIA	Heritage Impact Assessment
HINCA	Humber Industry Nature Conservation Association
HLA	High Level Assessment (a report prepared by Black & Veatch Ltd)
HMA	Hazard Management Actions
HMWB	Heavily Modified Waterbody
HPUK	Hutchison Ports (UK) Ltd
HDV	Heavy Duty Vehicle
HGV	Heavy Goods Vehicle
HPA	Hazardous Property Assessment
HRA	Habitats Regulations Appraisal
HS	Heritage Statement
HST	Humber Sea Terminals
HZTV	Horizontal Angle Zone of Theoretical Visibility
IAQM	Institute of Air Quality Management
IBC	Intermediate Bulk Containers
ICAO	International Civil Aviation Authority
IEEM	Institute of Ecology and Environmental Management
IEMA	Institute of Environmental Management and Assessment
IMD	Index of Multiple Deprivation
IMO	International Maritime Organisation
IOA	Institute of Acoustics
IOF	Important Ornithological Feature
IOT	Immingham Oil Terminal

ACRONYM OR ABBREVIATION	DEFINITION
IPC	Infrastructure Planning Commission
IPCC	Intergovernmental Panel on Climate Change
IS	Indicative Scenario
IUCN	International Union for Conservation of Nature
JNCC	Joint Nature Conservation Committee
km	Kilometres
KMFS	Killingholme Marshes Foreshore
LA	Local Authority
LA90	The percentile sound pressure level exceeded for 90 percent of the measurement period with 'A' frequency weighting calculated by statistical analysis
L_{Aeq}	Defined as the notional steady sound level which, over a stated period of time, would contain the same amount of acoustical energy as the A - weighted fluctuating sound measured over that period
LAI	Local Area of Influence
L_{Amax}	The maximum A - weighted sound pressure level recorded over the period stated. L_{Amax} is sometimes used in assessing environmental noise where occasional loud noises occur, which may have little effect on the overall L_{Aeq} noise level but will still affect the noise environment. Unless described otherwise, it is measured using the 'fast' sound level meter response
L_{An}	Percentile level - A measure of the fluctuation of the sound pressure level which is exceeded 'n' per cent of the observation time
LAQM	Local Air Quality Management
LAQM.TG (16)	Local Air Quality Management Technical Guidance 2016
LB	Listed Building
LBAP	Local Biodiversity Action Plan
LBRC	Local Biological Records Centre
L_{Max}	The maximum of the sound pressure levels recorded over an interval of 1 second
LCA	Landscape Character Area
LCT	Landscape Character Type
LDF	Local Development Framework
LDP	Local Development Plan
LDV	Light Duty Vehicle

ACRONYM OR ABBREVIATION	DEFINITION
LERC	Lincolnshire Environmental Records Centre
LGV	Light Goods Vehicle
LiDAR	Light Imaging Detection and Radar
LI	Landscape Institute
LOA	Length Over-All
LNR	Local Nature Reserve
LWS	Local Wildlife Site
L ₁₀	L ₁₀ is the level exceeded for 10% of the time and as such can be regarded as the 'average maximum level'. It is common practice to use the L ₁₀ index to describe traffic noise.
L ₉₀	L ₉₀ is the 'average minimum level' and is often used to describe the background noise.
m	Metre
m/sec	Metres per Second
MAFF	Ministry of Agriculture, Fisheries and Food
MAGIC	Multi Agency Geographic Information for the Countryside
MTS	Mayor's Transport Strategy
MCA	Marine and Coastal Access Act 2009
MCA	Maritime and Coastguard Agency
MDST	MDS Transmodal Limited
MEP	Marine Energy Park
MFA	Marine Fisheries Agency
MHWS	Mean High Water Spring
MHWN	Mean High Water Neap
MCCs	Manual Classified Counts
MMO	Marine Management Organisation
MMP	Materials Management Plan
MoD	Ministry of Defence
MPS	Marine Policy Statement
MVA	Megavolt ampere
MW	Megawatt

ACRONYM OR ABBREVIATION	DEFINITION
MVHR	Mechanical Ventilation and Heat Recovery
NATS	National Air Traffic Services
NBN	National Biodiversity Network
NE	Natural England
NEC	Noise Exposure Category
NERC	Natural Environment and Rural Communities Act 2000
NEIFCA	North Eastern Inshore Fisheries Conservation Authority
NESFC	North Eastern Sea Fisheries Committee
NESTA	National Endowment for Science, Technology and the Arts
NCA	National Character Area
NCI	Nature Conservation Importance
NCN	National Cycle Network
NG	National Grid
NGR	National Grid Reference
NHS	National Health Service
NHZ	Natural Heritage Zone
Ni	Nickel
NL	North Lincolnshire
NLC	North Lincolnshire Council
NM	Nautical Miles
NKHP	North Killingholme Haven Pits
NMR	National Monuments Record
NNR	National Nature Reserve
NO ₂	Nitrogen Dioxide
NO _x	Oxides of Nitrogen
NPS	National Policy Statement
NPPF	National Planning Policy Framework
NRA	National Rivers Authority
NRA	Navigation Risk Assessment

ACRONYM OR ABBREVIATION	DEFINITION
N-RIP	National Renewable Infrastructure Plan
NRMM	Non-Road Mobile Machinery
NRP	Natural Research Projects
NSL	No Sky Line
NSIP	Nationally Significant Infrastructure Project
NSR	Noise Sensitive Receptor
NTS	Non-Technical Summary
NVC	National Vegetation Classification
NVQ	National Vocational Qualifications
O&M	Operation and Maintenance
ODPM	Office of the Deputy Prime Minister
OEM	Original Equipment Manufacturer
OHS	Outer Horizontal Surface - a specified portion of a horizontal plane around an aerodrome above which consideration should be given to control of new obstacles in relation to aerodrome safeguarding
OLS	Obstacle Limiting Surface
ONS	Office of National Statistics
ORED	Office for Renewable Energy Deployment
ORR	Office of Rail and Road
Original ES	The Environmental Statement prepared in support of the DCO (as made)
OS	Ordnance Survey
OWT	Offshore Wind Turbine
pa	Per Annum
PAN	Planning Advice Notes
PAH	Polycyclic Aromatic Hydrocarbons
PAVIS	Port and Vessel Information System
Pb	Lead
PC	Process Contribution
PCB	Polychlorinated Biphenyls
PCT	Primary Care Trust

ACRONYM OR ABBREVIATION	DEFINITION
PCL	Pedestrian Comfort Level
PEC	Predicted Environmental Concentration
PEIR	Preliminary Environmental Information Report
PI	Plasticity Index
PIA	Personal Injury Accident
PINS	The Planning Inspectorate
PFRA	Preliminary Flood Risk Assessment
PM	Particulate Matter
PM ₁₀	Particulate matter with an aerodynamic diameter of less than 10µm
PM _{2.5}	Particulate matter with an aerodynamic diameter of less than 2.5µm
PMSC	Port Marine Safety Code
PPC	Pollution Prevention and Control
PPE	Personal Protective Equipment
PPG	Planning Practice Guidance
PPG	Pollution Prevention Guidelines
PPL	Potential Pollutant Linkages
Ppm	Parts per million
PPV	Peak Particle Velocity
PSA	Particle Size Analysis
psu	Practical Salinity Unit
PVC	Polyvinyl Chloride
PVS	Peak Vector Sum (mm/s)
R&D	Research and Development
RBMP	River Basin Management Plan
RDS	Rural Development Service
REcS	Regional Economic Strategy
RES	Renewable Energy Strategy
RFRA	Regional Flood Risk Appraisal
RKE	Realisable K-Epsilon

ACRONYM OR ABBREVIATION	DEFINITION
Ro-Ro	Roll-on roll-off facility
RoW	Right of Way
RSPB	Royal Society for the Protection of Birds
RSS	Regional Spatial Strategy
RTA	Road Traffic Accident
S4UL	Suitable for Use Levels
SAC	Special Areas of Conservation
SCI	Site of Community Interest
SCP	Supply Chain Park
SD	The scaled distance (m) for air blast and ground vibration from the charge to the receiver
SDC	Sunk Dredged Channel
SDF	Strategic Development Framework
SDP	Strategic Development Plan
Se	Selenium
SEA	Strategic Environmental Assessment
SEEDA	South East England Development Agency
SFRA	Strategic Flood Risk Assessment
SGV	Soil Guidance Values
SHA	Statutory Harbour Authority
SHOG	Sun Hours on Ground
SHBSES	South Humber Bank Strategic Employment Site
SINC	Site of Importance for Nature Conservation
SLA	Special Landscape Area
SM	Scheduled Monument
SMS	Safety Management System
SNCI	Site of Nature Conservation Importance
SNCO	Statutory Nature Conservation Organisation
SoP	Standard of Protection
SOP	Standard Operation Procedures

ACRONYM OR ABBREVIATION	DEFINITION
SO ₂	Sulphur Dioxide
SPA	Special Protection Area
SPG	Supplementary Planning Guidance
SPD	Supplementary Planning Document
SPMT	Self-Propelled Mobile Transporter
SPL	Sound Pressure Level
SPZ	Source Protection Zone
SSSI	Site of Special Scientific Interest
SuDS	Sustainable Urban Drainage Systems
SWL	Sound Power Level
SWMP	Site Waste Management Plan
t/T	Tonne (1,000 kg)
TA	Transport Assessment
The EIA Regulations	Town and Country Planning (Environmental Impact Assessment) England Regulations 2017
TA	Transport Assessment
TBT	Tributyltin
TCA	Townscape Character Area
TCT	Townscape Character Type
TEB	Transport Emissions Benchmark
TEL	Threshold Effect Level
TOC	Total Organic Carbon
TOS	Transient Overshadowing
TP	Travel Plan
Tpa	Tonnes per annum
TPH	Total Petroleum Hydrocarbons
TSHD	Trailing suction hopper dredger
TTE	Total Transport Emissions
TVA	Townscape and Visual Assessment

ACRONYM OR ABBREVIATION	DEFINITION
TWh	Terrawatt-hours
UKC	Under Keel Clearance
UK AQS	United Kingdom Air Quality Strategy
UK BAP	UK Biodiversity Action Plan
UKTAG	United Kingdom Technical Advisory Group
UKRES	UK Renewable Energy Strategy
UN	United Nations
Update ES	The Updated Environmental Statement to be submitted in support of the Material Amendment Application
UWWT	Urban Wastewater Treatment
UNFCCC	United Nations Framework Convention on Climate Change
UXO	Unexploded Ordnance
VAM	Views About Management
VAT	Value Added Tax
VHF	Very High Frequency
VMS	Vessel Monitoring System
VP	Vantage Point
VTS	Vessel Traffic Services
VSC	Vertical Sky Component
W&CA	Wildlife and Countryside Act 1981
WCA	The Wildlife and Countryside Act 1981 (as amended)
WC	Worst Credible
WeBS	Wetland Bird Survey
WFD	Water Framework Directive
WML	Waste Management Licensing
WWTW	Wastewater Treatment Works
WHS	World Heritage Site
WRAP	Waste & Resources Action Programme
WSA	Wider Study Area

ACRONYM OR ABBREVIATION	DEFINITION
YSI	Yellow Springs Instrument Company
Zn	Zinc
ZTV	Zone of Theoretical Visibility
ZVI	Zone of Visual Influence
µg	Microgram
µg/m ³	Micrograms per cubic metre

EUROPEAN OFFICES

United Kingdom

AYLESBURY

T: +44 (0)1844 337380

BELFAST

T: +44 (0)28 90732493

BRADFORD-ON-AVON

T: +44 (0)1225 309400

BRISTOL

T: +44 (0)117 9064280

CAMBRIDGE

T: + 44 (0)1223 813805

CARDIFF

T: +44 (0)2920 491010

CHELMSFORD

T: +44 (0)1245 392170

EDINBURGH

T: +44 (0)131 3356830

EXETER

T: + 44 (0)1392 490152

GLASGOW

T: +44 (0)141 3535037

GUILDFORD

T: +44 (0)1483 889800

LEEDS

T: +44 (0)113 2580650

LONDON

T: +44 (0)203 6915810

MAIDSTONE

T: +44 (0)1622 609242

MANCHESTER

T: +44 (0)161 8727564

NEWCASTLE UPON TYNE

T: +44 (0)191 2611966

NOTTINGHAM

T: +44 (0)115 9647280

SHEFFIELD

T: +44 (0)114 2455153

SHREWSBURY

T: +44 (0)1743 239250

STAFFORD

T: +44 (0)1785 241755

STIRLING

T: +44 (0)1786 239900

WORCESTER

T: +44 (0)1905 751310

Ireland

DUBLIN

T: + 353 (0)1 296 4667

France

GRENOBLE

T: +33 (0)4 76 70 93 41