
Glossary of terms

AADT	Annual average daily traffic
AD	Anno Domini (referring to historic timescales)
Adverse effects	Effects of a negative nature
Amber list species	Those that suffered historic population decline and is recovering, a moderate decline in numbers, and extent in the last 25 years
Air Quality Management Objectives (AQMO)	Concentrations of a given pollutant that should not be exceeded in the air for a given time period, as defined in the Air Quality Regulations for the target year
AOD	Above Ordnance Datum
AONB	Area of Outstanding Natural Beauty
AQS	Air Quality Strategy
AQAP	Air Quality Action Plan
AQMA	Air Quality Management Area is a designated zone where specific air quality management proposals (defined in an AQAP) are proposed by a local authority to improve air quality and ensure that AQMO are met by the stated target years
Aquifer	A water-bearing stratum situated below ground level. The water contained in an aquifer is known as groundwater
Assessment	An umbrella term for description, classification, analysis and evaluation
BAP	Biodiversity Action Plan – identifies priorities and targets for maintaining biodiversity
Barrow	A heap of earth placed over one or more prehistoric tombs, often surrounded by ditches
Baseline	Existing environmental conditions
Berm	A mound of earth with sloping sides located between areas of approximately the same elevation for screening, landscaping, and protection

bgl	Below ground level
BPM	Best Practical Means
BTO	British Trust for Ornithology
BWEA	British Wind Energy Association
CoCP	Code of Construction Practice
CoPA	Control of Pollution Act 1974
CO ₂	Carbon Dioxide – an atmospheric gas occurring naturally and also in large quantities from man-made sources, mainly from the burning of fossil fuels for power generation
Construction phase	Activity taking place on site up until commissioning
Countryside	The rural environment and its associated agricultural communities
Crane pads	An area of hardstanding approximately 35 meters by 18 meters adjacent to each turbine, used for crane bases during construction
dBA	Decibels on a logarithmic scale (Scale A) – the standard measurement of noise
DEFRA	Department for the Environment, Food and Rural Affairs
DETR	Department of Transport, Environment and Regions
Diffusion tube	A passive device for monitoring air quality and measuring ambient pollutant concentrations
Diversity	A measure of the variety of species contained within a habitat
DTI	Department of Trade and Industry
Dust	Generic term used to describe larger non-respirable airborne particulates (typically those which are deposited rapidly and associated with soiling/marketing of property, cars, vegetation etc.)
EA	Environment Agency
EIA	Environmental Impact Assessment – a means of drawing together in a systematic way and assessment of a project’s likely significant effects. This helps to ensure that the importance of the predicted

	effects, and the scope for reducing them, are properly understood by the public and the relevant competent authority before it makes a decision
ES	Environmental Statement – a document setting out the out the developer’s own assessment of a project’s likely environmental effects, which is prepared and submitted by the developer in conjunction with the application for consent
GQA	General Quality Assessment – this is the Environment Agency’s national method for classifying water quality in rivers and canals
Greenfield	An area of previously undeveloped land
Groundwater	Water flowing through, or contained beneath, the ground surface
Habitat	The natural environment of animals or plants
Heritage	Historic or cultural associations for which landscapes are valued
HGV	Heavy Goods Vehicle
HLC	Historic Landscape Characterisation
Hydrogeology	The study of the occurrence, movement and quality of water beneath the Earth’s surface
IEA	Institute of Environmental Assessments
IEEM	Institute for Ecology and Environmental Management
IEMA	Institute of Environmental Management and Assessment
IFA	Institute of Field Archaeologists
IHT	Institution of Highways and Transportation
IoWC	Isle of Wight Council
JNCC	Joint Nature Conservation Committee
Kyoto Protocol	An international treaty on climate change, an agreement made under the United Nations Framework Convention on Climate Change, to commit to reducing emissions of CO ₂ and five other greenhouse gases, or engage in emissions trading.

LAQM	Local air quality management
L _{A10,T}	A noise level index. The noise level exceeded for 10% of the time period T.
L _{A90,T}	A noise level index. The noise level exceeded for 90% of the time period T.
L _{Aea,T}	The ‘equivalent A-weighted sound pressure level, in decibels’. Defined as the value of the A-weighted sound pressure level of a continuous, steady sound which, within a specified time interval T, has the same mean square sound pressure as a sound under consideration whose level varies over the same time interval. This is a unit commonly used to describe construction and industrial noise, and is generally referred to as the ambient noise level
L _{AFmax}	The maximum noise level measured during a time period, with the SLM set to fast response
Listed building	A building which is protected under the Planning (Listed Buildings and Conservation Areas) Act 1990 due to its special architectural or historic interest
Local Plan	A statutory document produced by Local Planning Authorities in the UK, consisting of a statement setting out the land use zoning policy for a sub-area within a local authority territory and the programming of the sequence of sites to be developed over a given timescale
LOS	Line of sight
Magnitude of effect	The degree of impact on a receptor
Methodology	The specific approach and techniques used for a given study
Mesolithic	c. 8000-3500BC, Middle Stone Age, nomadic hunter-gatherer groups
Mitigation	Any process, activity or entity designed to avoid, reduce or remedy adverse environmental
MOD	Ministry of Defence
MW	Mega Watt
NAQS	National Air Quality Strategy

Neolithic	3500-2000BC, New Stone Age, first settled agrarian communities and monumental structures
NNR	National Nature Reserve
NVC	National Vegetation Classification – a national scheme designed to provide standard descriptions of identified vegetation types in the UK
ODPM	Office of the Deputy Prime Minister
Operational phase	Standard operation after commissioning
Palaeolithic	c. 8000BC and earlier, early Stone Age, early development of man and earlier hominids
Phase 1 survey	Standardised system for surveying, classifying and mapping wildlife habitats including urban areas
Photosensitive Epilepsy	A condition brought on by strong flashing or flickering of lights or images.
PICADY5	A computer program for assessing the capacity of road junctions
PM ₁₀	Particulate matter with a diameter of 10 microns or less
PPS	Planning Policy Statement
RAMSAR site	An area of wetlands of international importance
Receptor	A component of the natural or man-made environment, such as water or a building, which is affected by an impact
Receptor sensitivity	To determine the significance of an environmental effect, consideration is given to the sensitivity of the receptor potentially affected by the change. The sensitivity of the receptor is defined in each environmental chapter of the ES and is graded as high, medium, low or negligible
Red List Species	Species that are globally threatened according to the International Union for the Conservation of Nature and Natural Resources criteria
Renewable energy	Energy derived from resources that are renewable

Residual effects	Effects remaining after mitigation measures have been implemented
RSPB	Royal Society for the Protection of Birds
SAC	Special Area of Conservation – An area of international importance for nature conservation
SAM	Scheduled Ancient Monuments
Scoping	An early stage within the environment impact assessment process where the significance of environmental issues and scope of the environmental studies are determined
Shadow flicker	The on-and-off flickering effect of a shadow caused when the sun passes behind the rotors of a wind turbine
Significance Matrix	A device used for determining the significance of an effect, this utilises importance/sensitivity and magnitude of change criteria
SINC	Site of Importance for Nature Conservation – non-statutory locally valued wildlife sites
SLM	Sound Level Monitor
SMR	Sites and Monument Records
SPA	Special Protection Areas – sites classified as protected due to their rare, vulnerable and migratory bird species
SPZ	Source Protection Zone
SSSI	Site of Special Scientific Interest: an area of national importance for nature conservation with statutory notification
Switching station	A single storey pitched roof building that houses the electric switch gear metering equipment
TA	Traffic Assessment
Topography	The study or detailed description of the surface features of a region, including landforms and surface configuration. The study of the local geography and the position of the rivers, roads and buildings of an area

TwART	The Wight Against Rural Turbines – local opposition group
UDP	Unitary Development Plan
Visual envelope	Extent of the visibility of the development site
WCA	Wildlife and Countryside Act 1981
WeBS	Wetland Bird Survey
WRA	Water Resources Act 1991
WSI	Written Scheme of Investigation – for archaeological mitigation works in consultation with the County Archaeology Service
ZVI	Zones of Visual Influence