

Appendix 1C

Abbreviations

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Abbreviation	Definition
AADT	Annual Average Daily Traffic
ALC	Agricultural Land Classification
AGI	Above Ground Installation
ALARP	As Low As Reasonably Practicable
ALS	Abstraction Licensing Strategy
AOD	Above Ordnance Datum
AQO	Air Quality Objective
AQS	Air Quality Standard
ASCII	American Standard Code for Information Interchange
ASR LAQM	Annual Status Report
AStGWF	Areas Susceptible to Groundwater Flooding
AWB	Artificial Water Body
AQMA	Air Quality Management Area
BEIS	Department for Business, Energy and Industrial Strategy
BGS	British Geological Survey
BMV	Best and Most Versatile
BoCC	Birds of Conservation Concern
BOD	Biological Oxygen Demand
BS	British Standard
BSI	British Standards Institute
BVI	Block Valve Installation
BW	Bathing Water
CAMS	Catchment Abstraction Management Strategy
CAR	Control of Asbestos Regulations
cBWD	Current Bathing Water Directive
CCC	Climate Change Committee

Abbreviation	Definition
CCR	Climate Change Resilience
CCRA	Climate Change Risk Assessment
CDM	Construction (Design and Management)
CDM Regulations	Construction (Design and Management) Regulations 2015
CDOIF	Chemical and Downstream Oil Industries Forum
CEA	Cumulative Effects Assessment
CEC	Cheshire East Council
CEH	Centre for Ecology and Hydrology
CEMP	Construction Environmental Management Plan
CIEEM	Chartered Institute of Ecology and Environmental Management
CIfA	Chartered Institute for Archaeologists
CIRIA	Construction Industry Research and Information Association
CL:AIRE	Contaminated Land: Applications in Real Environments
CO	Conservation Objective
CO ₂	Carbon Dioxide
CO ₂ e	Carbon Dioxide equivalent
COMAH	Control of Major Accident Hazards
COP	Conference of the Parties
CP	Cathodic Protection
CPI	Consumer Price Index
CRT	The Canal and River Trust
CRTN	Calculation of Road Traffic Noise
CS	Carbon Steel
CSO	Combined Sewer Overflow
CSM	Conceptual Site Model
CTMP	Construction Traffic Management Plan

Abbreviation	Definition
CWCC	Cheshire West and Chester Council
CWT	Cheshire Wildlife Trust
dB	Decibel
DBA	Desk Based Assessment
DCO	Development Consent Order
Defra	Department for Environment, Food and Rural Affairs
DESNZ	Department for Energy Security & Net Zero
DETR	Department for Environment, Transport and the Regions
DSEAR	Dangerous Substances and Explosive Atmospheres Regulations 2002
DfT	Department for Transport
DLL	District Level Licensing
DMRB	Design Manual for Roads And Bridges
DoWCoP	CL:AIRE Definition of Waste Code of Practice
DSM	Digital Surface Model
DTM	Digital Terrain Model
DWMP	Drainage and Water Management Plan
DWPA	Drinking Water Protected Area
DWPPs	Diffuse Water Pollution Plans
ECow	Ecological Clerk of Works
EEA	European Economic Area
EFT	Emissions Factor Toolkit
EIA	Environmental Impact Assessment
EPA	Environmental Protection Act 1990
EPR	Environmental Permitting Regulations
EPS	European Protected Species
ES	Environmental Statement

Abbreviation	Definition
EU	European Union
FERP	Flood Emergency Response Plan
FRA	Flood Risk Assessment
FRAP	Flood Risk Activities Permit
GCN	Great Crested Newt
GEP	Good Ecological Potential
GES	Good Ecological Status
GHG	Greenhouse gas
GI	Ground Investigation
GIS	Geographical Information System
GPA 2	Good Practice Advice in Planning Note 2
GPA 3	Good Practice Advice in Planning Note 3
GPP	Guidance for Pollution Prevention
GRP	Glass Reinforced Plastic
GVA	Gross Value Added
GWDTE	Groundwater Dependent Terrestrial Ecosystem
ha	Hectare
HAGI	Hydrogen Above Ground Installations
HDD	Horizontal Directional Drilling
HDV	Heavy Duty Vehicle
HER	Historic Environment Record
HGV	Heavy Goods Vehicle
HIB	Hydrogen Injection Blending
HLC	Historic Landscape Character
HMWB	Heavily Modified Water Body
HPI	Habitat of Principal Importance

Abbreviation	Definition
HPN	Hydrogen Pipeline Network
HPP	Hydrogen Production Plant
HRA	Habitat Regulations Assessment
HSA	Hazardous Substance Authority
HSC	Hazardous Substance Consent
HSE	Health and Safety Executive
HSF	Hydrogen Storage Facility
HSWA	Health and Safety at Work etc. Act 1974
Hz	Hertz
IAQM	Institute of Air Quality Management
IBC	Intermediate Bulk Containers
ICCI	In-combination Climate Change Impact
ICE	Institute of Carbon and Energy
IDB	Internal Drainage Board
IEEM	Institute of Ecology and Environmental Management
IEMA	Institute of Environmental Management and Assessment
IGEM	The Institution of Gas Engineers and Managers
IoA	Institute of Acoustics
ILI	In-Line Inspection
IPCC	Intergovernmental Panel on Climate Change
ISO	International Organisation for Standardization
I&C	Instrumentation and Control
JNCC	Joint Nature Conservation Committee
km	Kilometre
KPI	Key Performance Indicator
ktCO ₂ e	Kilo tonnes (kt) of carbon dioxide equivalent (CO ₂ e)

Abbreviation	Definition
kWh	Kilowatt hour
LAQM	Local Air Quality Management
LCRM	Land Contamination: Risk Management
LDV	Light Duty Vehicle
LEMP	Landscape and Ecology Management Plan
LER	Local Equipment Room
LGS	Local Geological Sites
LGV	Light Goods Vehicle
LiDAR	Light Detection and Ranging
LIGS	Locally Important Geological Sites
LLFA	Lead Local Flood Authority
LLP	Limited Liability Partnership
LNR	Local Nature Reserve
LoD	Limits of Deviation
LOLER	Lifting Operation and Lifting Equipment Regulations 1998
LPA	Local Planning Authority
LRM	Local Relief Modelling
Ltd	Limited
LUP	Land Use Planning
LV	Light Vehicle
LVIA	Landscape and Visual Impact Assessment
LWS	Local Wildlife Site
L&NWR	London and North western Railway
m	Metre
MAFF	Ministry of Agriculture Fisheries and Food
MAGIC	Multi-Agency Geographic Information for the Countryside

Abbreviation	Definition
MAHP	Major Accident Hazard Pipelines
MAPD	Major Accident Prevention Document
MA&D	Major Accidents and Disasters
mAOD	Metres Above Ordnance Datum
Met Office	Meteorological Office
MHSWR	Management of Health and Safety at Work Regulations 1999 (as amended)
MMO	Marine Management Organisation
MMP	Materials Management Plan
MtCO_{2e}	Mega tonnes (Mt) of carbon dioxide equivalent (CO _{2e})
N/A	Not applicable
NATMAP	The National Soil Map of England and Wales
NCA	National Character Area
NCC	Nature Conservancy Council
NGR	National Grid Reference
NHBC	National House Building Council
NHLE	National Heritage List for England
NMR	National Monument Record
NNR	National Nature Reserve
NO₂	Nitrogen dioxide
NO_x	Oxides of nitrogen
NPPF	National Planning Policy Framework
NPS	National Policy Statement
NPS EN	National Policy Statement for Energy
NRFA	National River Flow Archive
NSIP	Nationally Significant Infrastructure Projects
NTS	Non-Technical Summary

Abbreviation	Definition
NWERRF	Archaeological Regional Research Framework for North West England
OCZ	Outline Consultation Zone
OEP	Office for Environmental Protection
OGA	Oil and Gas Authority
ONR	Office for Nuclear Regulation
OS	Ordnance Survey
OWC	Ordinary Watercourse Consent
PAS	Publicly Available Standard
PBDE	Polybrominated Diphenyl Ethers
PCA	Principal Component Analysis
PE	Polyethylene
PEIR	Preliminary Environmental Information Report
PFAS	Per- and Poly- Fluoroalkyl Substances
PFOS	Perfluorooctanesulfonic Acid
PFRA	Preliminary Flood Risk Assessment (as prepared by LLFAs in accordance with the Flood Risk Regulations 2009)
pFRA	Appendix 7B: Preliminary Flood Risk Assessment, as prepared to support the PEIR for the Project
PINS	Planning Inspectorate
PLC	Public Limited Company
PMP	Peat Management Plan
PM2.5	Particulate matter smaller than 2.5um
PM10	Particulate matter smaller than 10um
PPE	Personal Protective Equipment
PPG	Planning Policy Guidance
PPGs	Pollution Prevention Guidelines
PPP	Pollution Prevention Plan

Abbreviation	Definition
PRoW	Public Rights of Way
PRoWMP	Public Rights of Way Management Plan
PS	Pumping Station
PSR	Pipelines Safety Regulations 1996
PUWER	Provision and Use of Work Equipment Regulations 1998
PWS	Private Water Supply
PRU	Pressure Reduction Unit
QRA	Quantified Risk Assessment
RAF	Royal Air Force
RBMP	River Basin Management Plan
rBWD	Revised Bathing Water Directive
RCP	Representative Concentration Pathway
RFM	Reservoir Flood Map
RICS	Royal Institution of Chartered Surveyors
RIGS	Regionally Important Geological Site
RPS	Regulatory Position Statement
R2P2	Health and Safety Executive, Reducing Risks Protecting People
SAC	Special Areas of Conservation
SBI	Site of Biological Importance
SEPA	Scottish Environment Protection Agency
SFRA	Strategic Flood Risk Assessment
SgZ	Safeguard Zone
SHBC	St Helens Borough Council
SIC	Standard Industrial Classification
SLR	Single-Lens Reflect
SMP	Soil Management Plan

Abbreviation	Definition
SoCC	Statement of Community Consultation
SoS	Secretary of State
SPA	Special Protection Area
SPI	Species of Principal Importance
SPR	Source-Pathway-Receptor
SPZ	Source Protection Zones
SSSI	Site of Special Scientific Interest
SuDS	Sustainable Drainage System
TBC	To Be Confirmed
TR	Transformer Rectifier
TRaC	Transitional and Coastal Waters
TRL	Transport and Road Research Laboratory
TC	Trafford Council
tCO ₂ e	Tonnes of carbon dioxide equivalent
UK	United Kingdom
UKCP	UK Climate Projections
UKTAG	UK Technical Advisory Group
UNFCCC	United Nations Framework Convention on Climate Change
UST	Underground Storage Tank
UT	Ultrasonic Testing
UU	United Utilities
UXO	Unexploded Ordnance
vs	Versus
VOC	Volatile Organic Compounds
WBC	Warrington Borough Council
WCP	Watercourse Crossing Plan

Abbreviation	Definition
WDAP	Water Discharge Activity Permit
WFD	Water Framework Directive
WSI	Written Scheme of Investigation
WWTW	Wastewater Treatment Works
WWII	World War Two
ZoI	Zone of Influence
ZTV	Zone of Theoretical Visibility

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