



Llywodraeth Cymru
Welsh Government

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M4 Corridor around Newport

Environmental Statement

Volume 1: Text



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Glossary

µg	Microgram
AADT	Annual Average Daily Traffic
AAWT	Annual Average Weekly Traffic
ABP	Associated British Ports
AC	Assessment Criteria
AD	<i>Anno Domini</i>
ADA	Association of Drainage Authorities
AEP	Annual Event Probability
AIES	Assessment of Implications on European Sites
ALC	Agricultural Land Classification
ALV	Alluvium
AOD	Above Ordnance Datum
APIS	Air Pollution Information System
AQAP	Air Quality Action Plan
AQMA	Air Quality Management Area
ARGUK	Amphibian and Reptile Group UK
ARN	Affected Road Network
ASA	Archaeologically Sensitive Area
ASIDOHL	Assessment of the Significance of the Impact of Development on Historic Landscape
AURN	Automatic Urban and Rural Network
ASA	Archaeologically Sensitive Area
ASAS	Areas of Special Archaeological Sensitivity
AVG	Avon Group
BAP	Biodiversity Action Plan
BC	Before Christ
BP	Before Present (in radiocarbon dating, where the 'present' is 1950)
BGS	British Geological Survey
BLF	Blackrock Limestone subgroup
BoCC	Birds of Conservation Concern

BOD	Biological Oxygen Demand
BOS	Basic Oxygen Steelmaking
BPM	Best Practicable Means
BS	British Standard
BSi	British Standards Institution
BTEX	Benzene, Toluene, Ethylbenzene and Xylene
BTO	British Trust for Ornithology
BWE	Baseline Water Environment
BWF	Brownstone Formation
CAF	Common Appraisal Framework
CCC	Cardiff City Council
CCW	Countryside Council for Wales
CD	Chart Datum
CDM	Construction (Design and Management)
CEA	Cumulative Effects Assessment
CEH	Centre for Ecology and Hydrology
CEMP	Construction Environmental Management Plan
CERC	Cambridge Environmental Research Consultants
ch	Chainage
CHM	Complex Hydrogeological Model
CIEEM	Chartered Institute of Ecology and Environmental Management
CO	Carbon monoxide
CO ₂	Carbon dioxide
CoPA	Control of Pollution Act
CROW	Countryside and Rights of Way
CRRN	Compliance Risk Road Network
CRTN	Calculation of Road Traffic Noise
C4SL	Category 4 Screening Level
CSM	Conceptual Site Model
CWLIDB	Caldicot and Wentlooge Levels Internal Drainage Board
dB	Decibel

DCfW	Design Commission for Wales
DL	Dolomite Limestone
DEFRA	Department for Environment, Food and Rural Affairs
DMRB	Design Manual for Roads and Bridges
DNS	Developments of National Significance
DSM	Digital Surface Model
DTM	Digital Terrain Model
DWS	Drinking Water Standards
ECO	Environmental Co-ordinator
ECOW	Environmental Clerk of Works
eDNA	Environmental Deoxyribonucleic acid
EHO	Environmental Health Officer
EIA	Environmental Impact Assessment
ELC	European Landscape Convention
EM	Electro-magnetic
EMP	Environmental Masterplan
EMS	Environmental Management System
END	Environmental Noise Directive
EPA	Environmental Protection Act
EPR	Environmental Permitting Regulations
EQS	Environmental Quality Standard
ERT	Electrical Resistivity Tomography
ES	Environmental Statement
EU	European Union
EWC	European Waste Catalogue
EWL	Extreme Water Level
FEH	Flood Estimation Handbook
FCA	Flood Consequences Assessment
FRM	Flood Risk Management
GAC	Generic Assessment Criteria
GCN	Great Crested Newt

GCR	Geological Conservation Review
GFD	Glaciofluvial Deposits
GGAT	Glamorgan Gwent Archaeological Trust
GLVIA	Guidelines for Landscape and Visual Impact Assessment
GMP	Groundwater Management Plan
GOF	Gulley Oolite Formation
GQRA	Generic Quantitative Risk Assessment
GT	Glacial Till
GWT	Gwent Wildlife Trust
Ha	Hectare
HAP	Habitat Action Plan
HD	Head
HDV	Heavy Duty Vehicle
HEMP	Handover Environmental Management Plan
HER	Historic Environment Record
HGV	Heavy Goods Vehicle
HLCA	Historic Landscape Character Area
HSI	Habitat Suitability Index
HSWA	Health and Safety at Work
IAC	Industrial Automation & Control Ltd
IAN	Interim Advice Note
IAQM	Institute of Air Quality Management
ICE	Incidents, Complaints and Enquiries
IEMA	Institute of Environmental Management and Assessment
IP	Inter-Peak
IROPI	Imperative Reasons of Overriding Public Interest
JPA	Joint Probability Assessment
JNCC	Joint Nature Conservation Committee
LANDMAP	Landscape Assessment and Decision Making Process
LAQM	Local Air Quality Management
LBAP	Local Biodiversity Action Plan

LCA	Landscape Character Area
LCMS	Land Contamination Management Strategy
LD	Lower Dolomite Formation
LDP	Local Development Plan
LDV	Light Duty Vehicle
LiDAR	Light Detection and Ranging
LNR	Local Nature Reserve
LOHI	Landscape of Outstanding Historic Interest
LTP	Local Transport Plan
LVIA	Landscape and Visual Impact Assessment
LWEC	Living With Environmental Change
M4CaN	M4 Corridor around Newport
MAFF	Ministry of Agricultural Fisheries and Food
MCC	Monmouthshire County Council
MIPPS	Ministerial Interim Planning Policy Statement
MLDP	Monmouthshire Local Development Plan
MMG	Mercia Mudstone Group
MMMF	Mercia Mudstone marginal facies
MMP	Materials Management Plan
MPA	Minerals Planning Authority
MPPW	Minerals Planning Policy Wales
MTAN	Minerals Technical Advice Note
NAPPA	Noise Action Priority Planning Areas
NAQS	National Air Quality Strategy
NCC	Newport City Council
NDF	National Development Framework
NERC	Natural Environment and Rural Communities
NGR	National Grid Reference
NIR	Near Infra-Red
NLDP	Newport Local Development Plan
NMU	Non-Motorised User

NNR	National Nature Reserve
NO _x	Oxides of nitrogen
NO ₂	Nitrogen dioxide
NPPF	National Planning Policy Framework
NR	National Route
NRW	Natural Resources Wales
NSR	Noise Sensitive Receptor
NVSR	Noise and Vibration Sensitive Receptor
NTP	National Transport Plan
NTS	Non-Technical Summary
NVC	National Vegetation Classification
OP	Off Peak
OS	Ordnance Survey
OSPAR	The Convention for the Protection of the Marine Environment of the North-East Atlantic (the OSPAR Convention)
PAH	Polycyclic Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyl
PCM	Pollution CLimate Mapping
PLI	Public Local Inquiry
PLO	Public Liaison Officer
PM	Particulate matter
PM ₁₀	fine particles
POS	Public Open Space
PPC	Pollution Prevention Control
PPE	Personal Protective Equipment
PPV	Peak Particle Velocity
PPW	Planning Policy Wales
Pre-CEMP	Pre-Construction Environmental Management Plan
PRoW	Public Right of Way
PSSR	Preliminary Sources Study Report
QZ	Quartz Conglomerate
RCAHMW	Royal Commission on the Ancient and Historical Monuments of Wales

RGB	Red-Green-Blue
RIGS	Regionally Important Geodiversity Sites
RMF	Raglan Mudstone Formation
RSPB	Royal Society for the Protection of Birds
RTC	Reuse Target Concentration
RTD	River Terrace Deposits
RTP	Regional Transport Plan
S4UL	Suitable for Use Levels
SAACC	Strategic Appraisal of Alternatives Considered During Consultation
SAC	Special Area of Conservation
SAP	Species Action Plans
SAR	Steelworks Access Road
SDP	Strategic Development Plan
SDR	Southern Distributor Road
SEA	Strategic Environmental Assessment
SEFRMS	Severn Estuary Flood Risk Management Strategy
SEWBrC	South East Wales Biological Records Centre
SEWTA	South East Wales Transport Alliance
SGV	Soil Guideline Value
SINC	Site of Interest for Nature Conservation
SLA	Special Landscape Area
SMF	St Maughans Formation
SOM	Soil Organic Matter
SoP	Standard of Protection
SPA	Special Protection Area
SPG	Supplementary Planning Guidance
SSSI	Site of Special Scientific Interest
S4UL	Suitable for Use Level
SuDS	Sustainable Drainage Systems
SVOC	Semi-Volatile Organic Compounds
SWATS	South Wales Area Traffic Study

SWMP	Surface Water Management Plan
SWTRA	South Wales Trunk Road Agent
TAN	Technical Advice Note
TEN-T	Trans-European Transport Network
TFD	Tidal Flat Deposits
TPH	Total Petroleum Hydrocarbon
TPO	Tree Preservation Order
TREBAP	Trunk Road Estate Biodiversity Action Plan
TSF	Tintern Sandstone Formation
UKBAP	United Kingdom Biodiversity Action Plan
UNECE	United Nations Economic Commission for Europe
UNESCO	United Nations Educational, Scientific and Cultural Organization
UXO	Unexploded Ordnance
VDV	Vibration Dose Value
VER	Valued Ecological Receptor
VOC	Volatile Organic Compounds
VP	Vantage Point
WCA	Wildlife and Countryside Act
WeBS	Wetland Bird Survey
WEL	Workplace Exposure Limit
WelTAG	Welsh Transport Planning Appraisal Guidance
WFD	Water Framework Directive
WLGA	Welsh Local Government Association
WIIP	Wales Infrastructure Investment Plan
WHO	World Health Organisation
WL	Whitehead Limestone
WWII	World War II
ZTV	Zone of Theoretical Visibility