

11 GLOSSARY

11.1.1 Table 11.1 lists all the technical terms used in each of Volume 2 chapters.

Table 11.1: Terms	
Term	Definition
'Do Minimum' Scenario	Assessment scenario that excludes the proposed development.
'Do Something' Scenario	Assessment scenario that includes the proposed development.
'inter-project' Effects	Cumulative effects resulting from the combination of multiple developments in the area.
'intra-project' Effects	Cumulative effects resulting from the interaction of the proposed development with the current environment/status quo.
'the Developer'	Client, Winchburgh Developments Ltd (WDL) (formerly Regenco Trading Limited).
'the Local Authority'	West Lothian Council
'the Site'	The project site, the Site, development area, red line boundary within which the proposed works will take place.
'the Promoter'	Transport Scotland
'the Proposed Development'	The scheme, the development, the proposal, the development proposal, the proposed M9 motorway junction.
'the Winchburgh Masterplan Site'	The area of the Winchburgh Masterplan development.
A-Weighting	A correction in the acoustic frequency domain that mimics the hearing characteristic of people.
Air Quality Action Plan	A detailed description of measures, outcomes, achievement dates and implementation methods, showing how the Local Authority intends to achieve air quality limit values.
Air Quality Management Area	An area where air pollutant concentrations exceed / are likely to exceed the relevant air quality objectives. AQMAs are declared for specific pollutants and objectives.
Annual Exceedance Probability	The chance that a flood event equal to or greater than a specific magnitude will occur in any given year, normally expressed as a percentage.
Cropmark	A buried feature revealed by the uneven growth of a crop.
dB	Unit of sound (noise) level on a logarithmic scale.
Designated Landscape	Areas of landscape identified as being of importance at international, national or local levels, either defined by statute or identified in local development plans.
Dispersion Modelling	The mathematical computation of the dispersal of emissions as they travel through the ambient atmosphere.
Environmental Impact Assessment	A statutory systematic process which is used for assessing the environmental impacts of development projects and identifying measures that can be taken to reduce these impacts.
Exceedance	Where ambient concentrations for a given pollutant and averaging period are above that which is given as the objective limit in the Air Quality Strategy at a location representative of public exposure.
Façade Correction	A fixed addition to the predicted noise levels at an assessment location 1 metre in front of the building façade which accounts for the façade's reflected sound.
Fluvial Flooding	Flooding from a river (rainfall to a catchment, draining into a river which then exceeds its channel capacity).
Free-field Condition	Monitoring or assessment location that is free from reflections from nearby walls or other objects other than ground.

Table 11.1: Terms	
Term	Definition
Greenfield Runoff Rate	The runoff rate in the 'natural' catchment in the pre-development (baseline) scenario, normally taken as the 1 in 2-year return period rainfall event.
Hydrogeology	Specialism within geology concerned with underground water, its movement, behaviour and quality.
Kerb	In the context of LAQM, the kerb is defined as the edge of the carriageway with free-flowing traffic. In most instances, this will be the physical kerb with the pavement, although in some cases, where for example stationary vehicles are regularly parked alongside a road, the 'nominal' kerb may be classed as being within the road itself, away from the 'physical' kerb.
Key Characteristics	Those combinations of elements which are particularly important to the current character of the landscape and help to give an area its particularly distinctive sense of place.
LA _{10,T}	An A-weighted noise level that is exceeded for 10% of the observation time T. It is a descriptor of road traffic noise defined by Calculation of Road Traffic Noise (CRTN).
Landscape Character Area (LCA)	These are single unique areas which are the discrete geographical areas of a particular landscape type.
Landscape Character Type (LCT)	These are distinctive types of landscape that are relatively homogenous in character. They are generic in nature in that they may occur in different areas in different parts of the country but wherever they occur they share broadly similar combinations of geology, topography, drainage patterns, vegetation and historical land use and settlement pattern, and perceptual and aesthetic attributes.
Landscape Character Unit (LCU)	A single, unique and discrete geographical subdivision within a broader LCT. While it shares general characteristics with other LCUs within the same LCT, it also possesses distinct individual qualities. LCUs are normally named according to place names or location to reflect their distinguishing features and character.
Landscape Value	The relative value that is attached to different landscapes by society. A landscape may be valued by different stakeholders for a whole variety of reasons.
Mitigation	Measure to avoid, reduce or offset potential adverse impacts.
Model Verification	A comparison of the modelled results versus monitoring results at relevant locations to enable the adjustment of model outputs, minimising the inherent uncertainties associated with dispersion modelling.
Parchmark	A buried feature (usually a wall or other stony feature) revealed by a dry area within grass cover or crop.
Pluvial Flooding	Flooding from surface water (direct rainfall).
Relevant Receptor	A location representative of human (or ecological) exposure to a pollutant, over a time period relevant to the objective that is being assessed against, where the Air Quality Strategy objectives are considered to apply.
Scoping	An initial stage in determining the nature and potential scale of the environmental impacts arising from a proposed development and assessing what further studies are required to establish their significance.
Screening	The first stage in EIA, determining whether a project falls within the remit of the Regulations, whether it is likely to have a significant effect on the environment and therefore requires an assessment.
Susceptibility	The ability of a defined landscape or visual receptor to accommodate the specific proposed development without undue negative consequences.
Sustainable Drainage System (SuDS)	SuDS is a natural approach to managing drainage and flood risk in and around new development. SuDS have a range of functions, including one or a combination of water quantity, water quality, infiltration, amenity and biodiversity functions.

Term	Definition
Treatment Train	A series of SuDS measures which collectively enhance the water quantity, water quality, infiltration, amenity and/or biodiversity benefits of a drainage system.
Water Framework Directive 2000/60/EC (WFD)	European legislation introduced in 2000 to manage and protect Europe's water environment including rivers, lochs, groundwaters, estuaries and coastal waters. The objective of the WFD is for natural waterbodies to achieve or maintain Good ecological status by 2015, or over agreed timescales, and for artificial/heavily modified waterbodies to achieve Good ecological potential.
Winchburgh Masterplan Development/Site	The received development that received outline planning consent from West Lothian Council (application reference: 1012/P/05). The outline planning consent includes development of a 352 hectares (ha) settlement expansion, including residential, commercial, industrial, recreation and retail uses. It also includes community facilities, landscaping and open space. The outline planning application also covered rail and road infrastructure, including a train station, park and ride facilities, a junction to the M9 motorway (i.e. 'the proposed development'), and primary and secondary school provision.

11.1.2 Table 11.2 lists all the abbreviations used in each of Volume 2 chapters.

Abbreviation	Expanded Term
µg	Micrometres or Microns
µg/m ³	Micrograms per cubic metre
AADT	Annual Average Daily Traffic
AEP	Annual Exceedance Probability
AQAP	Air Quality Action Plan
AQMA	Air Quality Management Area
AWI	Ancient Woodland Inventory
BAP	Biodiversity Action Plan
BCT	Bat Conservation Trust
BGS	British Geological Society
BRP	Bat Roost Potential
CAR	The Water Environment (Controlled Activities) (Scotland) Regulations 2011 (as amended)
CEC	City of Edinburgh Council
CDEMP	Construction and Demolition Environmental Management Plan
CEMP	Construction Environmental Management Plan
CFA	CFA Archaeology Ltd
CIEEM	Chartered Institute of Ecology and Environmental Management
CIfA	Chartered Institute for Archaeologists
CIRIA	Construction Industry Research and Information Association
CIWEM	Chartered Institution of Water and Environmental Management
cm	Centimetres
CMS	Construction Method Statements
CRTN	Calculation of Road Traffic Noise

Table 11.2: Abbreviations	
Abbreviation	Expanded Term
cSLA	Candidate Special Landscape Area
dB	Decibel
Defra	Department for Environment, Food and Rural Affairs
DfT	Department for Transport
DM	'Do Minimum' Scenario
DMP	Dust Management Plan
DMRB	Design Manual for Roads and Bridges
DS	'Do Something' Scenario
EC	European Commission
EcIA	Ecological Impact Assessment
eDNA	Environmental DNA
EF	Emission Factor
EFT	Emission Factor Toolkit
EIA	Environmental Impact Assessment
EIAR	Environmental Impact Assessment Report
EMP	Environmental Management Plan
EPS	European Protected Species
EQS	Environmental Quality Standard
ES	Environmental Statement
EU	European Union
FRA	Flood Risk Assessment
GBR	General Binding Rule
GCN	Great crested newt <i>Triturus cristatus</i>
GDL	Garden and Designed Landscape
GHG	Greenhouse Gases
GIS	Geographical Information System
GLVIA	Guidelines for Landscape and Visual Impact Assessment
GPP	Guidance for Pollution Prevention
GDWTE	Groundwater Dependent Terrestrial Ecosystem
GWP	Global warming potential
Ha	Hectare
HDV	Heavy Duty Vehicle
HER	Historic Environment Record
HES	Historic Environment Scotland
HESPS	Historic Environment Scotland Policy Statement
HEWRAT	Highways England Water Risk Assessment Tool
HGV	Heavy Goods Vehicle
HIS	Habitat Suitability Index
HLAMap	Historic Land-Use Assessment Data for Scotland

Table 11.2: Abbreviations

Abbreviation	Expanded Term
HMSO	Her Majesty Stationery Office
HS	Historic Scotland
IEMA	Institute of Environmental Management and Assessment
IOA	Institute of Acoustics
km	Kilometre
KPH	Kilometres per hour
LAQM	Local Air Quality Management
LAQM.TG16	Local Air Quality Management Technical Guidance 2016
LBAP	Local Biodiversity Action Plan
LCA	Landscape Character Area
LCU	Landscape Character Unit
LDP	Local Development Plan
LDV	Light Duty Vehicle
LGV	Light Goods Vehicle
LNR	Local Nature Reserve
LUC	Land Use Consultants
LVIA	Landscape and Visual Impact Assessment
m	Meter
m ²	Meter squared
m ³	Metre cubed
MIOA	Member of the Institute of Acoustics
MSC	Matters Specified in Conditions
NAQO	National Air Quality Objective
NCN	National Cycle Network
NCR	National Cycle Route
NIDL	Non-inventory designated landscape
NMU	Non-motorised users
NNR	National Nature Reserve
NO ₂	Nitrogen Dioxide
NO _x	Oxides of Nitrogen
NPPF	National Planning Policy Framework
NRMM	Non-Road Mobile Machinery
NSR	Noise Sensitive Receptors
NTS	Non-Technical Summary
PAN	Planning Advice Note
PG	Planning Guidance
PM ₁₀	Airborne particulate matter with an aerodynamic diameter of 10 µm or less
PM _{2.5}	Airborne particulate matter with an aerodynamic diameter of 2.5 µm or less

Table 11.2: Abbreviations

Abbreviation	Expanded Term
PPG	Pollution Prevention Guideline
RDWE	Road Drainage and the Water Environment
ref	Reference
RO	Registered Organisation
SAC	Special Area of Conservation
SEPA	Scottish Environment Protection Agency
SESPlan	Strategic Development Plan for Edinburgh and South East Scotland
SG	Supplementary Guidance
SGT	Scotland's Great Trails
SNH	Scottish Natural Heritage
SPA	Special Protection Area
SPP	Scottish Planning Policy
SSSI	Site of Special Scientific Interest
SUDS/SuDS	Sustainable Drainage System
TSS	Total Suspended Solids
TWIC	The Wildlife Information Centre
UK	United Kingdom
UK BAP	United Kingdom Biodiversity Action Plan
VP	Viewpoint
WCHAR	Walking, Cycling and Horse-Riding Assessment and Review
WFD	Water Framework Directive 2000/60/EC
WLC	West Lothian Council
WLLC	West Lothian Landscape Classification
WoSAS	West of Scotland Archaeology Service
WSI	Written Scheme of Investigation