

HERBATA DATA CENTRE, NAAS

EIAR
VOLUME I MAIN TEXT



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REPORT

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ABBREVIATIONS USED WITHIN THE EIAR

°C	Degree Celsius
AA	Appropriate Assessment
AADT	Annual Average Daily Traffic
ABP	An Bord Pleanála
AC	Ambient Concentration
ACA	Architectural Conservation Area
ADM	Air Dispersion Modelling
ADMLC	Atmospheric Dispersion Modelling Liaison Committee
ADMS	Atmospheric Dispersion Modelling System
AEP	Annual Exceedance Probability
AFA	Area for Further Assessment

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AGI	Above Ground Installation
AHU	Air Handling Unit
AIS	Air Insulated Switchgear
AONB	Areas of Outstanding Natural Beauty
AQAL	Air Quality Assessment Level
AQS	Air Quality Standard
ASI	Archaeological Survey of Ireland
ASSI	Area of Special Scientific Interest
ATC	Automatic Traffic Counter
BAP	Biodiversity Action Plan
BCT	Bat Conservation Trust
BEES	Battery Energy Storage System
BOD	Biochemical Oxygen Demand
BS	British Standard
CAFE	Clean Air for Europe
CAP	Climate Action Plan
CBiol	Chartered Biologist
CCTV	Closed-circuit television
CDP	County Development Plan
CDS	Connection and Developer Services
CDW	Construction and Demolition Waste
CEMP	Construction Environmental Management Plan
CEnv	Chartered Environmentalist
CERC	Cambridge Environmental Research Consultants
CFRAM	Catchment-based Flood Risk Assessment and Management
CGI	Computer Generated Imagery
CIEEM	Chartered Institute of Ecology and Environmental Management
CIHT	Chartered Institute of Highways and Transportation
CIRIA	Construction Industry Research and Information Association
CLVIA	Cumulative Landscape and Visual Impact Assessment
CO	Carbon Monoxide
CO ₂	Carbon Dioxide
CO ₂ e	Carbon Dioxide Equivalents
CPPA	Corporate Power Purchase Agreement
CRTN	Calculation of Road Traffic Noise
cSACs	Candidate Special Areas of Conservation
CSO	Central Statistics Office
CTG	Combustion Turbine Generator
CTMP	Construction Traffic Management Plan
CTVIA	Cumulative Townscape and Visual Impact Assessment

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dB	Decibel
DC	Data Centre
DESNZ	The Department for Energy Security and Net Zero
DH	District Heating
DHPLG	Department of Housing, Local Government and Heritage
DMP	Dust Management Plan
DMRB	Design Manual for Roads and Bridges
DMURS	Design Manual for Urban Roads & Streets
DOEHLG	Department of the Environment, Health & Local Government
EA	Environment Agency
EAL	Environmental Assessment Level
EC	European Commission
EclA	Ecological Impact Assessment
ECJ	European Court of Justice
ECoW	Ecological Clerk of Works
EEA	The European Environment Agency
EEC	European Economic Community
EIA	Environmental Impact Assessment
EIAR	Environmental Impact Assessment Report
ELVs	Emission Limit Values
EM	Environmental Manager
EPA	Environmental Protection Agency
EPUK	Environmental Protection UK
EQS	Environmental Quality Standards
ES	Environmental Statement
ESB	Electricity Supply Board
ESR	Effort Sharing Regulation
ETS	Emissions Trading System
EU	European Union
EV	Electric Vehicle
EWC	European Waste Catalogue
FCS	Favourable Conservation Status
FSC	Forest Stewardship Council
FRA	Flood Risk Assessment
GDPR	General Data Protection Regulations
GSDSDS	Greater Dublin Strategic Drainage Study
GFA	Gross Floor Area
GHG	Greenhouse Gas
GI	Ground investigation
GIA	Gross Internal Area

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GII	Ground investigation Ireland
GIS	Gas Insulated Switchgear
GLVIA3	Guidelines for Landscape and Visual Impact Assessment, Third Edition
GNI	Gas Networks Ireland
GPP	Guidance for Pollution Prevention series
GPS	Global Positioning System
GPR	Ground Penetrating Radar
GSI	Geological Survey of Ireland
GWh	Gigawatt Hours
GWP	Global Warming Potential
ha	Hectare
HDV	Heavy Duty Vehicle
HGV	Heavy Goods Vehicle
HAS	Health and Safety Authority
HDR	Human Development Report
HSE	Health Service Executive
HVAC	Heating, Ventilation And Air Conditioning
HVO	Hydrotreated Vegetable Oil
Hz	Hertz
IAQM	Institute of Air Quality Management
IEMA	Institute of Environmental Management and Assessment
ICOMOS	International Council on Monuments and Sites
ICT	Information and Communication Technology
IFSC	Ireland's International Financial Services Centre
IFI	Inland Fisheries Ireland
IGI	Institute for Geologists Ireland
ILP	The Institution of Lighting Professionals
ISMP	Invasive Species Management Plan
ISO	International Organization for Standardization
I.T	Information technology
IUCN	International Union for the Conservation of Nature
JC&A	John Cronin & Associates
KCC	Kildare County Council
KCDP	Kildare County Development Plan
Kg CO ₂ e/m ²	Kilograms of Carbon Dioxide Equivalent Per Square Meter
KIC	Kildare Innovation Campus
KLCA	Kildare Landscape Character Area
kph	Kilometers per Hour
kV	Kilovolt
kVA	Volt-amps

L	Locally Important
LAQM	Local Air Quality Management
LAP	Local Area Plan
LA10	This is the A-weighted sound level that is exceeded for noise for 10% of the sample period
LA90	This is the A-weighted sound level that is exceeded for 90% of the sample period
LAeq	The continuous equivalent A-weighted sound pressure level. This is an 'average' of the sound pressure level
LAmx	This is the maximum A-weighted sound level measured during the sample period
LAmn	This is the minimum A-weighted sound level measured during the sample period
LCA	Landscape Character Area
LCAs	Life Cycle Assessments
LCRM	Land Contamination Risk Management
LCT	Landscape Character Types
LECP	Local Economic & Community Plan
LED	Light Emitting Diode
LiDAR	Light Detection and Ranging
LUTS	Land Use and Transport Planning Strategy
LVIA	Landscape and Visual Impact Assessment
MCP	Medium Combustion Plant
MDs	Municipal Districts
M&E	Mechanical and Electrical
MF	Maintenance Factor
MIAI	Institute of Archaeologists of Ireland
MMP	Mobility Management Plan
MMR	Marine Nature Reserve
MS	Method Statement
MtCO _{2e}	Metric Tons of Carbon Dioxide Equivalent
MW	Medium Voltage
MWA	Megavolt-Amperes
NAF	National Adaptation Framework
NBDC	National Biodiversity Data Centre
nBAP	National Biodiversity Action Plan
NDC	Nationally Determined Contribution
NERT	National Exposure Reduction Target
NHA	Natural Heritage Areas
NIAH	National Inventory of Architectural Heritage
NIS	Natura Impact Statement
NMLs	Noise Monitoring Locations

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NMP	Noise Management Plan
NMS	National Monuments Service
NNR	National Nature Reserves
N	Nitrogen
NO _x	Oxides of Nitrogen
NO ₂	Nitrogen Dioxide
NO ₃	Nitrate
NPF	National Planning Framework
NPWS	National Parks & Wildlife Service
NPWSGIS	National Parks & Wildlife Service Geographic Information System
NRA	National Roads Authority
NREL	National Renewable Energy Laboratory
NRMM	Non-Road Mobile Machinery
NSP	National Sports Policy
NSR	Noise Sensitive Receptor
NSS	National Spatial Strategy
NTA	National Transport Authority
NTS	Non-Technical Summary
NWRA	North West Research Associates
NWCPO	National Waste Collection Permit Office
NVA	Night Vision Aids
NVIA	Noise and Vibration Impact Assessment
O ₂	Oxygen
O ₃	Ozone
O.D	Optical Density
OHL	Overhead Line
oISMP	Outline Invasive Species Management Plan
OPW	Office of Public Works
OSB	Oriented Strand Board
OS	Ordnance Survey
OSI	Ordnance Survey Ireland
P	Phosphate
PACC	Pre-Application Community Consultation
PAHs	Polycyclic Aromatic Hydrocarbon
Pb	Lead
PC	Process Contributions
PCUs	Passenger Car Units
PEAB	Preliminary Ecological Appraisal for Bats
PEC	Predicted Environmental Concentrations
PEFC	Programme for the Endorsement of Forest Certification

pH	Potential of Hydrogen
PIP	Pollutant Impact Potential
PM ₁₀	Particulate Matter
PM _{2.5}	Particulate Matter
pNHA	Proposed Natural Heritage Areas
POM	Programme of Measure
PPGs	Pollution prevention guidelines
PPV	Peak Particle Velocity
PRA	Preliminary Risk Assessment
PRFs	Preliminary Roost Features
PSD	Particle Size Distribution
PSFRM	The Planning System and Flood Risk Management
PV	Photovoltaic
Q-value	Quality Rating System
R	Regionally Important
RBMP	River Basin Management Plan
RICS	Royal Institute of Chartered Surveyors
ROI	Republic of Ireland
RHM	Register of Historic Monuments
RMP	Record of Monuments and Places
RPS	Record of Protected Structures
RSA	Road Safety Authority
RWMP	Resource and Waste Management Plan
SAC	Special Area of Conservation
SEAI	Sustainable Energy Authority of Ireland
SID	Strategic Infrastructure Development
SLR	Single-lens Reflex
SME	Small and Medium-Sized Enterprise
SMR	Sites and Monuments Record
SNH	Scottish Natural Heritage
SO ₂	Sulphur Dioxide
SPA	Special Protected Areas
SUDS	Sustainable Urban Drainage Systems
SW	Surface Water
SWMP	Site Waste Management Plan
TA	Transport Assessment
TAN	Technical Advice Note
TCA	Townscape Character Areas
tCO _{2e}	Tonnes of Carbon Dioxide Equivalent
TII	Transport Infrastructure Ireland

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TNMP	Traffic & Navigation Management Plan
TRL	Transport Research Laboratory
TSO	Transmission System Operator
TTA	Traffic and Transportation Assessment
TVIA	Townscape and Visual Impact Assessment
UE	Uisce Eireann
µg	Microns
UK	United Kingdom
UNESCO	United Nations Educational, Scientific and Cultural Organization
UNFCCC	United Nations Framework Convention on Climate Change
US	United States
VLC	Visible Light Communication
VP	Viewpoint
VOCs	Volatile Organic Compounds
VRU	Vulnerable Road Users
WAC	Waste Acceptance Criteria
WBCSD	World Business Council for Sustainable Development
WEEE	Waste Electrical and Electronic Equipment
WFD	Water Framework Directive
WFP	Waste Facility Permit
WMP	Waste Management Plan
WRI	World Resources Institute
WTP	Water Treatment Plant
WwTP	Waste Water Treatment Plant
WwTW	Waste Water Treatment Work
WHO	World Health Organisation
ZoI	Zone of Influence