

Greater Dublin **Drainage Project**

Environmental Impact Assessment Report

Volume 3 Part A

Main Report for the Proposed Project

Preface

The structure of the Environmental Impact Assessment Report (EIAR) for the proposed Greater Dublin Drainage Project (the Proposed Project) is outlined in the preface at the start of each Volume of the EIAR for clarity. The Proposed Project comprises; a proposed orbital sewer route from Blanchardstown to the proposed Wastewater Treatment Plant (WwTP) at Clonsagh, the proposed outfall pipeline route (land based section) from the proposed WwTP to the R106 Coast Road, the proposed outfall pipeline route (marine section) from the R106 Coast Road to approximately 1km north-east of Ireland's Eye in the Irish Sea, and a site proposed for the Regional Biosolids Storage Facility (RBSF) at Newtown, Dublin 11.

Volume 1 and Volume 2 provide general information on the overall Proposed Project. Volume 3 addresses all proposed elements of the Proposed Project, with the exception of the RBSF element which is addressed in Volume 4. Volume 5 provides drawings and large format images for the Proposed Project. The volumes and sub-section titles are summarised as follows:

Volume 1: Non-Technical Summary

Volume 1 provides a non-technical summary of the information contained in Volumes 2, 3 and 4.

Volume 2: Introduction

Part A: Report

Volume 2 Part A provides a general introduction, outlines the EIA process, describes the scope of the Proposed Project and presents the consideration of alternatives.

Part B: Appendices

Volume 2 Part B supplies data that is supplemental to the information in Volume 2 Part A.

Volume 3: Proposed Project

Part A: Report

Volume 3 Part A describes the environmental impacts specific to the Proposed Project.

Part B: Appendices

Volume 3 Part B supplies data that is supplemental to the information in Volume 3 Part A.

Volume 4: Regional Biosolids Storage Facility

Part A: Report

Volume 4 Part A describes the environmental impacts specific to the RBSF component of the Proposed Project.

Part B: Appendices

Volume 4 Part B supplies data that is supplemental to the information in Volume 4 Part A and is specific to the RBSF.

Volume 5: Drawings

Part A: Proposed Project

Volume 5 Part A illustrates the information detailed in Volume 2 and Volume 3 and is specific to the Proposed Project.

Part B: Regional Biosolids Storage Facility

Volume 5 Part B illustrates the information detailed in Volume 4 and is specific to the RBSF.

Volume 6: Proposed Project Photomontages

Volume 6 contains the photomontages for the Proposed Project.

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Glossary of Terms	
AA	Appropriate Assessment
AAP	Areas of Archaeological Potential
ABP	An Bord Pleanála
ACA	Architectural Conservation Area
ADCO	Archaeological Dive Company
ADWF	Average Dry Weather Flow
AEP	Annual Exceedance Probability
AER	Annual Environmental Reports
AFC	Athletic Football Club
AGI	Above Ground Installation
AGS	Aerobic Granular Sludge
AH	Archaeological Heritage
ALO	Agricultural Liaison Officer
AmmN	Ammoniacal Nitrogen
ASA	Alternative Site Assessment
ASP	Activated Sludge Plant
B&B	Bed and Breakfast
BGS	British Geological Survey
BH	Built Heritage
BH	Boreholes
BH	Built Heritage
BIM	Bord Iascaigh Mhara
BOD	Biochemical Oxygen Demand
BPS	Basic Payment Scheme
BRT	Bus Rapid Transport
BSL	Below Seabed Level

Glossary of Terms	
BTO	British Trust for Ornithology
C&D	Construction and Demolition
CDP	County Development Plan
CEMP	Construction Environmental Management Plan
CFRAMS	Catchment Flood Risk Assessment and Management Study
CFU	Colony Forming Units
CGS	County Geological Sites
CHP	Combined Heat and Power
CIEEM	Chartered Institute of Ecology and Environmental Management
CIFA	Chartered Institute for Archaeologists
CIRIA	Construction Industry Research and Information Association
CLO	Community Liaison Officer
COD	Chemical Oxygen Demand
COLI	Escherichia Coliforms
cSAC	Candidate Special Area of Conservation
CSM	Conceptual Site Model
CSO	Central Statistics Office
CSOs	Combined Sewer Overflows
CTMP	Construction Traffic Management Plan
DAU	Development Applications Unit
DB	Design Build
DBO	Design, Build, Operate
DCC	Dublin City Council
DIN	Dissolved Inorganic Nitrogen
DL	Designed Landscape
DLRCC	Dún Laoghaire-Rathdown County Council

Glossary of Terms	
DoAFM	Department of Agriculture, Food and the Marine
DoAHG	Department of Arts, Heritage and the Gaeltacht
DoAHGI	Department of Arts, Heritage, Gaeltacht and Islands
DoCCA	Department of Communications, Climate Action and Environment
DoCHG	Department of Culture, Heritage and the Gaeltacht
DoECLG	Department of the Environment, Communications and Local Government
DoEHLG	Department of Environment, Heritage and Local Government
DoHPLG	Department of Housing, Planning and Local Government
DOS	Degree of Saturation
DRA	Dublin Regional Authority
DWF	Dry Weather Flow
EBZ	Ecological Buffer Zones
EC	European Communities
ED	Electoral Division
EEC	European Economic Community
EIA	Environmental Impact Assessment
EIAR	Environmental Impact Assessment Report
EIRP	Environmental Incident Response Plan
EIS	Environmental Impact Statement
EMWRO	Eastern Midlands Waste Regional Office
EnPi	Energy Performance Indicator
EPA	Environmental Protection Agency
ERBD	Eastern River Basin District
ERP	Emergency Response Plan
ESB	Electricity Supply Board
EU	European Union

Glossary of Terms	
FAI	Football Association of Ireland
FCC	Fingal County Council
FEM FRAMS	<i>Fingal East Meath Flood Risk Assessment and Management Study</i>
FEM-FRMP	<i>Fingal East Meath Flood Risk Management Plan</i>
FFT	Flow to Full Treatment
FLO	Fisheries Liaison Officer
FRA	Flood Risk Assessment
FRM	<i>Flood Risk Management</i>
FSAI	Food Safety Authority of Ireland
FWR	Foundation for Water Research
G	Domestic per Capita Design Flow
GAA	Gaelic Athletic Association
GB	Greenbelt
GCS	Grand Canal Sewer
GDA	Greater Dublin Area
GDD	Greater Dublin Drainage
GDSDS	Greater Dublin Strategic Drainage Study
GFA	Gross Floor Area
GHA	Geological Heritage Area
GHG	Greenhouse Gas
GI	Ground Investigation
GIS	Geographic Information System
GNI	Gas Networks Ireland
GSI	Geological Survey of Ireland
ha	hectare
HGV	Heavy Goods Vehicle

Glossary of Terms	
HSE	Health Services Executive
HT	High Technology
IAA	Irish Aviation Authority
IAC	Irish Archaeological Consultancy
IEL	Industrial Emissions Licenses
IEMA	Institute of Environmental Management and Assessment
IFAS	Integrated Fixed Film Activated Sludge Processes
IFI	Inland Fisheries Ireland
Fdooc	Institute of Geologists of Ireland
IPPC	Integrated Pollution Prevention Control
IRFU	Irish Rugby Federation Union
ISA	Irish Sailing Association
IWDG	Irish Whale and Dolphin Group
JTC	Junction Turning Count
KCC	Kildare County Council
KCI	Potassium Chloride
kg	Kilograms
kV	Kilovolts
L	Locally Important
LA	Local Authority
LAP	Local Area Plan
LAT	Lowest Astronomical Tide
LBAP	Local Biodiversity Area Plan
LGV	Light Goods Vehicles
LIA	Landscape Impact Assessment
LLLD	Long Length Large Diameter

Glossary of Terms	
LLO	Landowner Liaison Officer
M&V	Measurement and Verification
MAND's	Major Accidents and Natural Disasters
MASW	Multichannel Analysis of Surface Waves
MASW	Multi-Channel Analysis of Surface Waves
Mbgl	Metres below ground level
MCC	Meath County Council
mOD	Metres above Ordnance Datum
MRP	Molybdate Reactive Phosphorus
MS	Method Statement
N	Ammonia
NAC	National Aquatic Centre
NCT	National Car Test
NDDS	North Dublin Drainage Scheme
NFS	North Fringe Sewer
NIAH	National Inventory of Architectural Heritage
NIEA	Northern Ireland Environment Agency
NIS	Natura Impact Statement
NMI	National Museum of Ireland
NMS	National Monument Service
NPF	National Planning Framework
NPWS	National Parks and Wildlife Service
NRA	National Roads Authority
NSC	National Sports Campus
NSS	National Soil Survey
NTA	National Transport Authority

Glossary of Terms	
NVMP	Noise & Vibration Management Plan
NWSMP	National Wastewater Sludge Management Plan
OCU	Odour Control Unit
OHL	Overhead Line
OPW	Office of Public Works
OS	Open Space
OS	Ordnance Survey
OSI	Ordnance Survey of Ireland
P	Poor Aquifers
PCP	Pollution Control Plan
PCU	Passenger Car Units
PE	population equivalent
PFRA	Preliminary Flood Risk Assessment
PO	Preservation Order
PO	Preservation Orders
PPV	Peak Particle Velocity
PRF	Potential Roost Features
PSRA	Property Services Regulatory Authority
R	Regionally Important
RBD	River Basin District
RBMP	River Basin Management Plan
RBSF	Regional Biosolids Storage Facility
RFC	Ratio of Flow to Capacity Value
RFC	Ratio of Flow to Capacity Value
RMP	Record of Monuments and Places
RMS	Root Mean Square

Glossary of Terms	
RPA	Railway Procurement Agency
RPG	Regional Planning Guidelines
RPS	Register of Protected Structures
RSA	Road Safety Authority
S.I.	Statutory Instrument
SAC	Special Areas of Conservation
SBR	Sequencing Batch Reactor
SCADA	Supervisory Control and Data Acquisition
SDCC	South Dublin County Council
SDZ	Strategic Development Zone
SEA	Strategic Environmental Assessment
SEAI	Sustainable Energy Authority of Ireland
SECP	Sediment and Erosion Control Plan
SFPA	Sea Fisheries Protection Authority
SHC	Sludge Hub Centre
SID	Strategic Infrastructure Development
SMP	Sludge Management Plan
SMR	Sites and Monuments Record
SNR	Statutory Nature Reserve
SPA	Special Protection Areas
SUDS	Sustainable Drainage Systems
t	Total
TB	Townland Boundary
TBM	Tunnel Boring Machine
TCD	Trinity College Dublin
TDS	Tonnes of Dry Solids

Glossary of Terms	
TII	Transport Infrastructure Ireland
TKN	Total Kjeldahl Nitrogen
TP	Total Phosphorus
TP	Trial Pit
TRL	Transport Research Laboratory
TSHD	Trailer Suction Hopper Dredger
TSS	Total Suspended Solids
UBH	Undesignated Built Heritage
UGC	Underground Cable
UHO	Underwater Heritage Order
UK	United Kingdom
UWWT	Urban Wastewater Treatment
VFP	Viewshed Reference Points
VMP	Vessel Management Plan
VP	Vantage Point
WeBS	Wetland Bird Survey
WFD	Water Framework Directive
WHO	World Health Organization
WMP	Waste Management Plan
WSP	Water Supply Project
WSSP	Water Services Strategic Plan
WWDA	Wastewater Discharge Authorisation
WWDL	Wastewater Discharge License
WwTP	Wastewater Treatment Plant
WwTW	Wastewater Treatment Works
ZTV	Zone of Theoretical Visibility

