

REFERENCES

Introduction

European Union Directive 2014/52/EU on the assessment of the effects of certain public and private projects on the environment.

Circular Letter PL 1/2017 Implementation of Directive 2014/52/EU on the effects of public and private projects on the environment (EIA Directive). (Department of Housing, Planning, Community and Local Government [Department, May 2017]).

Guidelines on the Information to be Contained in Environmental Impact Assessment Reports, Draft August 2017. (EPA, August 2017).

Guidelines on the Information to be contained in Environmental Impact Statements (EPA, 2002)

Advice Notes on Current Practice in the Preparation of Environmental Impact Statements (EPA, 2003).

Guidelines for Planning Authorities and An Bord Pleanála on Carrying out Environmental Impact Assessment; (Department of the Environment, Community and Local Government, March 2013).

Environmental Impact Assessment of Projects – Guidance on Screening (Directive 2011/92/EU as amended by 2014/52/EU). (European Union 2017).

Environmental Impact Assessment of Projects – Guidance on Scoping (Directive 2011/92/EU as amended by 2014/52/EU). (European Union 2017).

Environmental Impact Assessment of Projects – Guidance on the preparation of the Environmental Impact Assessment Report (Directive 2011/92/EU as amended by 2014/52/EU). (European Union 2017).

Background to the Proposed Development

Galway City Council (2017). *Galway City Development Plan 2017 – 2023.* Galway City Council, Galway.

West Regional Authority (2010). *Regional Planning Guidelines for the West 2010 – 2022.* WRA, County Galway.

Description of the Proposed Development

Guidelines on the Information to be Contained in Environmental Impact Assessment Reports, Draft August 2017. (EPA, August 2017).

Guidelines on the Information to be contained in Environmental Impact Statements (EPA, 2002).

Human Beings

EPA (2017), Draft Guidelines on the Information to be Contained in Environmental Impact Assessment Reports’

Census of Ireland - www.cso.ie

Galway County Development Plan 2015-2021

Fáilte Ireland - <http://www.failteireland.ie/>

Fáilte Ireland (July 2018), Tourism Facts 2017, accessed at: http://www.failteireland.ie/Failtelreland/media/WebsiteStructure/Documents/3_Research_Insights/5_International_Tourism_Trends/Tourism-Facts-2017_1.pdf?ext=.pdf

Discover Ireland - <https://www.discoverireland.ie/>

Irish Tourist - http://www.irishtourist.com/directory/places_to_visit/west/galway/

Cushman & Wakefield (Quarter 2, 2018) ‘Galway Office Market’ Available on: <http://www.cushmanwakefield.com/en/research-and-insight/2018/galway-office-market-q2-2018>

WDC Insights (2017) ‘Galway City’s Labour Market – Census 2016’. Available on: <http://www.wdc.ie/publications/reports-and-papers/>

Flora and Fauna

Atherton, I., Bosanquet, S.D. and Lawley, M. eds. (2010) Mosses and liverworts of Britain and Ireland: a field guide (p. 848). Plymouth: British Bryological Society.

Collins, J. (ed) (2016) Bat Surveys for Professional Ecologists – Good Practice Guidelines (3rd edn), The Bat Conservation Trust, England

CIEEM (2018) Chartered Institute of Ecology and Environmental Management: Guidelines for Ecological Impact Assessment in the UK and Ireland - Terrestrial, Freshwater and Coastal.

CIEEM (2016) Chartered Institute of Ecology and Environmental Management: Guidelines for Ecological Impact Assessment in the UK and Ireland - Terrestrial, Freshwater and Coastal.

DoEHLG (2010) Appropriate Assessment of Plans and Projects in Ireland: Guidance for Planning Authorities.

EC (2007b) Interpretation Manual of European Union Habitats. Version EUR 27. European Commission, DG Environment.

EPA (2002) Guidelines on the information to be contained in Environmental Impact Statements, online, available at: https://www.epa.ie/pubs/advice/ea/guidelines/EPA_Guidelines_EIS_2002.pdf

EPA (2003) Advice Notes on Current Practice (in preparation of Environmental Impact Statements).

EPA (2015) Draft Guidelines On The Information To Be Contained In Environmental Impact Assessment Reports, Online, Available at: <https://www.epa.ie/pubs/advice/ea/EPA%20EIA%20Guidelines.pdf>,

EPA Online Map Viewer available at <https://gis.epa.ie/EPAMaps/>

European Communities (Environmental Impact Assessment) Regulations, 1989 to 2001.

European Communities (Natural Habitats) Regulations, SI 94/1997, SI 233/1998 & SI 378/2005 – <http://www.irishstatutebook.ie>.

Flora (Protection) Order (2015), S.I. No. 356/2015– <http://www.irishstatutebook.ie>.

Fossitt, J. A. (2000). A Guide to Habitats in Ireland. Dublin: The Heritage Council.

GCTP (2015) Galway City Transport Plan: Galway Ring Road, N6. Route Selection Report: Chapter 4 Figures: Fig. 4.3.6 Annex 1 Habitat Map (Sheet 2 of 2) prepared by ARUP consultants (Aug. 2015).

Habitats Directive (92/43/EEC).

Marnell, F., Kingston, N. & Looney, D. (2009) Ireland Red List No. 3: Terrestrial Mammals, National Parks and Wildlife Service, Department of the Environment, Heritage and Local Government, Dublin, Ireland.

NPWS 2018, Natural Heritage Areas (NHA), Online, Available at: <https://www.npws.ie/protected-sites/nha>, Accessed: 17/07/2018.

NPWS (2008) The Status of EU Protected Habitats and Species in Ireland. Conservation Status in Ireland of Habitats and Species listed in the European Council Directive on the Conservation of Habitats, Flora and Fauna 92/43/EEC.

NPWS Protected Site Synopses and maps available on <http://www.npws.ie/en/ProtectedSites/>.

NRA (2006) Environmental Assessment and Construction Guidelines.

NRA (2009) Guidelines on Ecological Surveying Techniques for Protected Flora and Fauna on National Road Schemes. Dublin: National Roads Authority.

Smith, G., O'Donoghue, P., O'Hora, K. and Delaney, E. (2011) Best Practice Guidance for Habitat Survey and Mapping.

Stace, C. A. (1997). New Flora of the British Isles. Cambridge: Cambridge University Press.

Wildlife Act 1976 and Wildlife (Amendment) Act 2000

Soils and Geology

Bedrock Geology 1:100,000 Scale Map Series, Sheet 15 (Geology of Galway Bay).

Directive 2011/92/EU on the assessment of the effects of certain public and private projects on the environment.

Directive 2014/52/EU on the effects of certain public and private projects on the environment (EIA Directive).

European Communities (Environmental Impact Assessment) Regulations and subsequent amendments (S.I. No. 84 of 1995, S.I. No. 351 of 1998, S.I. No. 93 of 1999; S.I. No. 450 of 2000; S.I. No. 538 of 2001).

Environmental Protection Agency (August 2017): Draft Guidelines on the Information to be Contained in Environmental Impact Assessment Reports.

Environmental Protection Agency (September 2015): Draft - Advice Notes on Current Practice (in the preparation on Environmental Impact Statements).

Environmental Protection Agency (September 2015): Draft – Revised Guidelines on the Information to be Contained in Environmental Impact Statements.

Environmental Protection Agency (2003): Advice Notes on Current Practice (in the Preparation on Environmental Impact Statements).

Environmental Protection Agency (2002): Guidelines on the Information to be Contained in Environmental Impact Statements.

Environmental Protection Agency (EPA) database (www.epa.ie).

Geological Survey of Ireland (GSI) - National Draft Bedrock Aquifer map.

Geological Survey of Ireland - Groundwater Database (www.gsi.ie).

Geological Survey of Ireland (GSI, 2004).

Geological Survey of Ireland – 1:25,000 Field Mapping Sheets.

General Soil Map of Ireland 2nd edition (Gardiner & Radford, 1980).

General Soil Map of Ireland 2nd edition (www.epa.ie).

Institute of Geologists Ireland (2013): Guidelines for Preparation of Soils, Geology & Hydrogeology Chapters in Environmental Impact Statements.

National Roads Authority (2005): Guidelines on Procedures for Assessment and Treatment of Geology, Hydrology and Hydrogeology for National Road Schemes (NRA, 2005).

Ordnance Survey of Ireland – Discovery Series and 1:50,000 maps.

Ordnance Survey of Ireland – aerial photographs.

Planning and Development Regulations 2001-2017.

The Planning and Development Acts, 2000-2015.

The Heritage Act 1995.

Hydrology and Hydrogeology

Bedrock Geology 1:100,000 Scale Map Series, Sheet 15 (Geology of Galway Bay). Geological Survey of Ireland (GSI, 2004).

CFRAM Preliminary Flood Risk Assessment (PFRA) maps (www.cfram.ie).

CIRIA 2006: Control of Water Pollution from Construction Sites - Guidance for Consultants and Contractors. CIRIA C532. London, 2006.

Department of the Environment, Heritage and Local Government; Quarries and Ancillary Activities – Guidance for Authorities (April 2014).

Department of Environment, Community and Local Government on-line mapping viewer (www.myplan.ie).

Environment Protection Agency (2003). Towards Setting Guideline Values for the Protection of Groundwater in Ireland. Interim Report.

Environmental Protection Agency (August 2017): Draft Guidelines on the Information to be Contained in Environmental Impact Assessment Reports.

Environmental Protection Agency (September 2015): Draft - Advice Notes on Current Practice (in the preparation on Environmental Impact Statements).

Environmental Protection Agency (September 2015): Draft – Revised Guidelines on the Information to be Contained in Environmental Impact Statements.

Environmental Protection Agency (2003): Advice Notes on Current Practice (in the preparation on Environmental Impact Statements).

Environmental Protection Agency (2002): Guidelines on the Information to be Contained in Environmental Impact Statements.

Environmental Protection Agency database (www.epa.ie).

Environmental Protection Agency – “Hydrotool” Map Viewer (www.epa.ie).

Geological Survey of Ireland - Groundwater Body Characterisation Reports.

Geological Survey of Ireland - National Draft Bedrock Aquifer map.

Geological Survey of Ireland - Groundwater Database (www.gsi.ie).

Institute of Geologists Ireland (2013): Guidelines for Preparation of Soils, Geology & Hydrogeology Chapters in Environmental Impact Statements.

Met Éireann Meteorological Databases (www.met.ie).

National Parks & Wildlife Services Public Map Viewer (www.npws.ie).

National Roads Authority (2005): Guidelines on Procedures for Assessment and Treatment of Geology, Hydrology and Hydrogeology for National Road Schemes.

OPW Indicative Flood Maps (www.floodmaps.ie).

Planning and Development Acts 2000-2015.

Planning and Development Regulations, 2001-2017.

S.I. No. 349 of 1989: European Communities (Environmental Impact Assessment) Regulations, and subsequent Amendments (S.I. No. 84 of 1995, S.I. No. 352 of 1998, S.I. No. 93 of 1999, S.I. No. 450 of 2000 and S.I. No. 538 of 2001), S.I. No. 30 of 2000.

S.I. No. 94 of 1997: European Communities (Natural Habitats) Regulations, resulting from EU Directives 92/43/EEC on the conservation of natural habitats and of wild fauna and flora (the Habitats Directive) and 79/409/EEC on the conservation of wild birds (the Birds Directive).

S.I. No. 293 of 1988: Quality of Salmon Water Regulations, resulting from EU Directive 78/659/EEC on the Quality of Fresh Waters Needing Protection or Improvement in order to Support Fish Life.

S.I. No. 272 of 2009: European Communities Environmental Objectives (Surface Waters) Regulations 2009 and S.I. No. 722 of 2003 European Communities (Water Policy) Regulations which implement EU Water Framework Directive (2000/60/EC) and provide for implementation of 'daughter' Groundwater Directive (2006/118/EC).

S.I. No. 41 of 1999: Protection of Groundwater Regulations, resulting from EU Directive 80/68/EEC on the protection of groundwater against pollution caused by certain dangerous substances (the Groundwater Directive).

S.I. No. 249 of 1989: Quality of Surface Water Intended for Abstraction (Drinking Water), resulting from EU Directive 75/440/EEC concerning the quality required of surface water intended for the abstraction of drinking water in the Member States (repealed by 2000/60/EC in 2007).

S.I. No. 439 of 2000: Quality of Water intended for Human Consumption Regulations and S.I. No. 278 of 2007 European Communities (Drinking Water No. 2) Regulations, arising from EU Directive 98/83/EC on the quality of water intended for human consumption (the Drinking Water Directive) and WFD 2000/60/EC (the Water Framework Directive).

S.I. No. 272 of 2009: European Communities Environmental Objectives (Surface Waters) Regulations 2009.

S.I. No. 9 of 2010: European Communities Environmental Objectives (Groundwater) Regulations 2010.

S.I. No. 296 of 2009: European Communities Environmental Objectives (Freshwater Pearl Mussel) Regulations 2009.

Air and Climate

Air Quality Standards Regulations 2011 (S.I. No. 180 of 2011). These Regulations supersede the Air Quality Standards Regulations 2002 (S.I. No. 271 of 2002), the Ozone in Ambient Air Regulations 2004 (S.I. No. 53 of 2004) and the Ambient Air Quality Assessment and Management Regulations 1999 (S.I. No. 33 of 1999).

Council of the European Union (2008). *Council Directive 2008/50/EC on ambient air quality and cleaner air for Europe*. Official Journal of the European Union No. L152.

Council of the European Union (2007). *Council Directive 2005/107/EC relating to arsenic, cadmium, mercury, nickel and polycyclic aromatic hydrocarbons in ambient air*.

Environmental Protection Agency (2002). *Ambient Air Monitoring in Galway City; March 13th 2001 – 23rd October 2001*. EPA, Wexford.

Europe 2020 indicators – climate change and energy report (http://ec.europa.eu/eurostat/statistics-explained/index.php/Europe_2020_indicators_-_climate_change_and_energy).

Greenhouse Gas Emission Projections to 2020 – An Update. (Environmental Protection Agency 2016).

Ireland's Environment – An Assessment 2016. (Environmental Protection Agency, 2016).

Met Éireann (2018). Full Data Series for Athenry, Co. Galway 2011 – 2017. www.met.ie

Met Éireann (2011). Summary of Weather Station Data at Shannon, Co. Clare 1981 – 2010. www.met.ie

Noise and Vibration

Guidelines on the information to be contained in Environmental Impact Assessment Reports (EPA, 2017, DRAFT).

Advice Notes for preparing Environmental Impact Statements September 2015 (EPA, 2015, DRAFT).

NG4 Guidance note for noise: Licence applications, surveys and assessments in relation to scheduled activities (EPA, 2016).

British Standard BS 4142:2014 Methods for rating and assessing industrial and commercial sound (2014).

British Standard BS 5228:2009+A1:2014 Code of practice for noise and vibration control on construction and open sites Part 1: Noise (2014).

British Standard BS 5228:2009 Code of practice for noise and vibration control on construction and open sites Part 2: Vibration (2014).

British Standard BS 8233:2014 Guidance on sound insulation and noise reduction for buildings.

ProPG Planning & noise: Professional practice guidance on planning & noise – New residential development (Association of Noise Consultants, Institute of Acoustics and Chartered Institute of Environmental Health, May 2017).

Good practice guide for the treatment of noise during the planning of national road schemes (National Roads Authority, 2014).

Guidelines on community noise (World Health Organisation, 1999).

Landscape and Visual

Galway City Development Plan 2017 – 2023.

Galway County Council (2002). *Landscape and Landscape Character Assessment for County Galway*. Galway County Council, Galway.

Guidelines for Landscape and Visual Impact Assessment, Third Edition. The Landscape Institute, Institute of Environmental Management & Assessment (2013).

Landscape and Landscape Assessment - Consultation Draft of Guidelines for Planning Authorities. Dublin. Department of the Environment and Local Government. (2000).

National Landscape Strategy for Ireland 2015 – 2025. Department of Arts, Heritage and the Gaeltacht (2015).

Photography and photomontage in landscape and visual impact assessment
Landscape Institute Advice Note 01/11, 2011).

EPA Guidelines on the information to be contained on Environmental Impact Statements (EPA 2002)

EPA Advice Notes on Current Practice in the preparation of Environmental Impact Statements (EPA, 2003).

Draft Guidelines on the Information to be Contained in Environmental Impact Assessment Reports' (EPA, August 2017),

Scottish National Heritage <https://www.nature.scot/>

Archaeology & Cultural Heritage

Galway City Development Plan 2017 – 2023.

Draft Guidelines on the Information to be Contained in Environmental Impact Assessment Reports' (EPA, August 2017).

The Planning and Development Acts, 2000-2015.

National Monuments Acts, 1930-2014.

Ordnance Survey of Ireland – Discovery Series, 25-inch, 6-inch and 1:50,000 maps.

Ordnance Survey of Ireland – aerial photographs.

www.archaeology.ie

www.excavations.ie

www.heritage-maps.ie

www.archaeology.ie

www.logainm.ie

Material Assets

Galway County Council (2015). *Galway County Development Plan 2015 – 2021*. Galway County Council, Galway.

National Roads Authority (2014). *Traffic and Transport Assessment Guidelines*. NRA, Dublin.

Road Safety Authority www.rsa.ie

Transport Infrastructure Ireland <http://www.tii.ie>

National Roads Authority (NRA) (2010) *Traffic Signs Manual*. NRA Publications, Dublin.

Design Manual for Urban Roads and Street (DMURS- 2013)

National Cycle Manual – June 2011