

REFERENCES

Introduction

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

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

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

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

Environmental Protection Agency (2002). Guidelines on Information to be Contained in Environmental Impact Statements. EPA, Wexford.

European Union (2014). Directive 2014/52/EU. European Parliament and European Council.

European Union (2011). Directive 2011/92/EU. European Parliament and European Council.

Irish Statute Book (2018). European Union (Planning and Development) (Environmental Impact Assessment) Regulations 2018 (S.I. No. 296 of 2018).

Irish Statute Book (2001). Planning and Development Regulations S.I. No. 600 of 2001. Stationery Office, Dublin.

Background to the Proposed Development

Westmeath County Council (2020). Westmeath County Development Plan 2014 - 2020. Westmeath County Council, Westmeath

Eastern and Midland Regional Authority (2010). Regional Planning Guidelines for the East and Midlands 2010 - 2022. EMRA, County Westmeath.

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).

Population and Human Health

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

Census of Ireland - www.cso.ie

Westmeath County Council (2020). Westmeath County Development Plan 2014 - 2020. Westmeath County Council, Westmeath

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

Fáilte Ireland (July 2018), Tourism Facts 2017, accessed at:
http://www.failteireland.ie/FailteIreland/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/westmeath/

Biodiversity, Flora and Fauna

Bailey, M. and Rochford J. (2006) Otter Survey of Ireland 2004/2005. Irish Wildlife Manuals, No. 23. National Parks and Wildlife Service, Department of Environment, Heritage and Local Government, Dublin, Ireland.

Balmer, D.E., Gillings, S., Caffrey, B.J., Swann, R.L., Downie, I.S. and Fuller, R.J. (2013). Bird Atlas 2007-11: the breeding and wintering birds of Britain and Ireland. BTO Books, Theford, UK.

Birds Directive (2009/47/EC) – http://ec.europa.eu/environment/nature/legislation/birdsdirective/index_en.htm

Blumstein DT, Anthony LL, Harcourt R, Ross G. 2003. Testing a key assumption of wildlife buffer zones: is flight initiation distance a species-specific trait? *Biological Conservation* 110:97–100.

Bowers Marriott, B. (1997) *Practical Guide to Environmental Impact Assessment: A Practical Guide*. Published by McGraw-Hill Professional, 1997, 320 pp.

Chandler, J.R. (1970) A Biological Approach to water Quality Management. *Water Poll. Cont.* 69:415-421.

Chanin P (2003). *Ecology of the European Otter*. *Conserving Natura 2000 Rivers Ecology Series No. 10*. English Nature, Peterborough.

Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora (Habitats Directive) and Directive 2009/147/EC (codified version of Directive 79/409/EEC as amended) (Birds Directive) – transposed into Irish law as European Communities (Birds and Natural Habitats) Regulations 2011 (SI 477/2011).

CIEEM (2016) *Institute of Ecology and Environmental Management Draft Guidelines for Ecological Impact Assessment*.

Crowe, O., Wilson, J., Aznar, I. and More, S.J. (2009). A review of Ireland's waterbirds, with emphasis on wintering migrants and reference to H5N1 avian influenza. *Irish Veterinary Journal* 62, 800-811.

Crowe, O. (2005) *Ireland's Wetlands and their Waterbirds: Status and Distribution*. BirdWatch Ireland, Rockingham, Co. Wicklow.

Del Hoyo, J., Elliott, A., and Sargatal, J. 1996. *Handbook of the Birds of the World, vol. 3: Hoatzin to Auks*. Lynx Edicions, Barcelona, Spain

DEHLG (2009) *Appropriate Assessment of Plans and Projects in Ireland: Guidance for Planning Authorities*. DEHLG, Dublin.

DoEHLG (2010). *Appropriate Assessment of Plans and Projects in Ireland. Guidance for Planning Authorities. Revision, February, 2010*. Department of the Environment, Heritage and Local Government.

EC (2000) Managing Natura 2000 Sites: the provisions of Article 6 of the 'Habitats' Directive 92/43/EEC, Office for Official Publications of the European Communities, Luxembourg. European Commission.

EC (2001) Assessment of plans and projects significantly affecting Natura 2000 sites: Methodological guidance on the provisions of Articles 6(3) and (4) of the Habitats Directive 92/43/EEC.

EC (2002) Assessment of Plans and Projects Significantly Affecting Natura 2000 Sites: Methodological guidance on the provisions of Article 6(3) and (4) of the Habitats Directive 92/43/EEC, Office for Official Publications of the European Communities, Luxembourg. European Commission.

EC (2006) Nature and biodiversity cases: Ruling of the European Court of Justice. Office for Official Publications of the European Communities, Luxembourg.

EC (2007a) Guidance document on Article 6(4) of the 'Habitats Directive' 92/43/EEC - Clarification of the concepts of: alternative solutions, imperative reasons of overriding public interest, compensatory measures, overall coherence, opinion of the commission. Office for Official Publications of the European Communities, Luxembourg. European Commission.

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. Environmental Protection Agency.

EPA (2003) Advice Notes on current practice in the preparation of Environmental Impact Statements. Environmental Protection Agency.

EPA website: <http://www.epa.ie>.

European Communities (Conservation of Wild Birds) Regulations, 1985, SI 291/1985 & amendments - <http://www.irishstatutebook.ie>.

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>.

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

Habitats Directive (92/43/EEC).

Livezey, K.B., Fernández-Juricic, E. and Blumstein, D.T., 2016. Database and metadata of bird flight initiation distances worldwide to assist in estimating human disturbance effects and delineating buffer areas. *Journal of Fish and Wildlife Management* 7, pp.1-11

McCorry, M. (2007) The Saltmarsh Monitoring Project 2006. Unpublished Report to NPWS.

McCorry, M. and Ryle, T. (2009). Coastal Monitoring Project 2004 - 2006. Unpublished Report to NPWS.

Murphy, D.F. (2004) Requirements for the Protection of Fisheries Habitat During Construction and Development Works at River Sites. Eastern Regional Fisheries Board, Dublin.

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 of the DEHLG (2008) The Report on Status of Habitats and Species in Ireland: Technical Reports and Forms.

NPWS (2009) Threat Response Plan: Otter (2009-2011). National Parks & Wildlife Service, Department of the Environment, Heritage & Local Government, Dublin.

NPWS (2010) Harbour Seal Population Monitoring 2009-2012: Report No. 1

NPWS (2011) Harbour Seal Population Monitoring 2009-2012: Report No. 2

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

NRA (2004) Environmental Impact Assessment of National Road Schemes - A Practical Guide, National Roads Authority, Dublin.

NRA (2004) Guidelines for the Treatment of Noise and Vibration in National Road Schemes (1 ed.). Dublin: National Roads Authority.

NRA (2006) A Guide to Landscape Treatments for National Road Schemes in Ireland. Dublin: National Roads Authority.

NRA (2009). Ecological Surveying Techniques for Protected Flora and Fauna during the Planning of National Road Schemes. Dublin: National Roads Authority.

Oliver, G. (2007). Inventory of Irish coastal lagoons (version 2). Unpublished Report to NPWS.

Scottish Natural Heritage (SNH) (July 2013) Assessing Connectivity with Special Protection Areas (SPA)

Therivel R. (2009) Workshop Material on the Habitats Directive Assessment of Plans Levett-Therivel Sustainability Consultants on behalf of the Heritage Council, Kilkenny.

Water status data available on <http://www.epa.ie> and <http://www.wfdireland.ie>

Wildlife Act 1976 and Wildlife (Amendment) Act 2000.

Land, Soils and Geology

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).

GSI, 2004: Bedrock Geology 1:100,000 Scale Map Series, Sheet 12 (Geology of Longford - Roscommon). Geological Survey of Ireland.

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).

Ordinance Survey of Ireland - Discovery Series and 1:50,000 maps.

Ordinance 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

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.

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

EPA (September 2015): Draft - Advice Notes on Current Practice (in the preparation on Environmental Impact Statements) where relevant.

EPA (September 2015): Draft - Revised Guidelines on the Information to be Contained in Environmental Impact Statements where relevant.

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

GSI, 2004: Bedrock Geology 1:100,000 Scale Map Series, Sheet 12 (Geology of Longford - Roscommon). Geological Survey of Ireland.

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

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

PPG1 - General Guide to Prevention of Pollution (UK Guidance Note).

PPG5 - Works or Maintenance in or Near Watercourses (UK Guidance Note).

Residential Development at Coosan, Athlone - Engineering Services Report (O'Connor Sutton Cronin Consulting Engineers, 2020)

Residential Development, Coosan, Athlone - Site Specific Flood Risk Assessment (O'Connor Sutton Cronin Consulting Engineers, 2020)

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 (2014). Ambient Air Monitoring at Mullingar, Co. Westmeath 16th October 2012 - 17th June 2014

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 Mullingar, Co. Westmeath 1981 - 2010. www.met.ie

Noise and Vibration

US Bureau Of Mines, 1980. Report RI 8507: Structural response and damage produced by ground vibration from surface mines blasting.

British Standards Institution, 1993. BS 7385-2:1993 Evaluation and measurement for vibration in buildings - Part 2: Guide to damage levels from groundborne vibration.

World Health Organisation, 1999. Guidelines on community noise.

Directive 2002/49/EC of the European Parliament and of the Council relating to the assessment and management of environmental noise (2002), transposed into Irish law by the European Communities (Environmental Noise) Regulations 2018 (SI No. 549/2018).

World Health Organisation, 2009. Night noise guidelines for Europe.

UK Highways Agency, 2011. Design manual for roads and bridges.

British Standards Institution, 2014. BS 4142:2014 Methods for rating and assessing industrial and commercial sound.

British Standards Institution, 2014. BS 5228-1:2009+A1:2014 Code of practice for noise and vibration control on construction and open sites – Part 1: Noise.

British Standards Institution, 2014. BS 5228-2:2009+A1:2014 Code of practice for noise and vibration control on construction and open sites – Part 2: Vibration.

British Standards Institution, 2014. BS 8233:2014 Guidance on sound insulation and noise reduction for buildings.

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

Department of Education & Skills, 2015. Technical guidance document TGD-021-5: Acoustic performance in new primary & post primary school buildings.

Environmental Protection Agency, 2015. Draft advice notes on current practice in the preparation of environmental impact statements.

Environmental Protection Agency, 2016. NG4 Guidance note for noise: Licence applications, surveys and assessments in relation to scheduled activities.

Environmental Protection Agency, 2017. Draft guidelines on the information to be contained in environmental impact assessment reports.

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

Westmeath County Council, 2020. Westmeath Noise Action Plan 2018 -2023.

Westmeath County Council (2020). Westmeath County Development Plan 2014 - 2020. Westmeath County Council, Westmeath

Landscape and Visual

Landscape Institute and the Institute of Environmental Management: Guidelines for Landscape and Visual Impact Assessment, 3rd Edition 2013, Routledge.

Environmental Protection Agency, 2017. Draft Guidelines on the information to be contained in Environmental Impact Assessment Reports.

Department of Environment, Heritage and Local Government ‘Landscape and Landscape Assessment - Consultation Draft of Guidelines for Planning Authorities’ 2000.

Westmeath County Council, Athlone Town Development Plan 2014-2020

Westmeath County Council, Westmeath County Development Plan 2014-2020.

Cultural Heritage

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

EPA (2015). Draft guidelines on the information to be contained in Environmental Impact Statements. Available aerial photographs.

Draft Guidelines on the Information to be contained in Environmental Impact Assessment Reports. Environmental Protection Agency 2017.

Athlone Town Development Plan 2014-2020.

National Monuments Acts 1930 to 2014.

O'Flanagan, M. (1927) Letters containing information relative to the antiquities of the County of Westmeath collected during the progress of the Ordnance Survey in 1839. 1. 311-12. Bray.

Ordnance Survey 1:10560 (6-inch) map of County Westmeath, Sheet No. 29, 1st Edition of 1840.

Ordnance Survey 1:10560 (6-inch) map of County Westmeath, Sheet No. 29, Edition of 1953.

Ordnance Survey 1:2500 (25-inch) map of County Westmeath, c.1900 edition.

Planning and Development Act 2000.

Record of Monuments and Places, County Westmeath, Dúchas, The Heritage Service, Dublin 1997.

Record of Protected Structures for County Westmeath (Athlone Town Development Plan 2014-2020).

Topographical Files of the National Museum of Ireland.

Unpublished files of the National Monuments Archive, Department of Culture, Heritage and the Gaeltacht.

www.archaeology.ie

www.excavations.ie

www.heritage maps.ie

www.logainm.ie

Material Assets

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

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

Westmeath County Council (2020). Westmeath County Development Plan 2014 - 2020. Westmeath County Council, Westmeath

National Roads Authority (2011). Project Appraisal Guidelines, Unit 5.5 Link Based Traffic Growth Forecasting. NRA, Dublin.

National Roads Authority (2011). NRA TD 41-42/11 Geometric Design of Major/Minor Priority Junctions and Vehicular Access to National Roads. NRA, Dublin.

National Roads Authority (2007). Traffic and Transport Assessment Guidelines. NRA, Dublin.

National Roads Authority (2003). Future Traffic Forecasts, 2002 to 2040. NRA, Dublin.

Transport Infrastructure Ireland, (2014) Traffic and Transport Assessment Guidelines