



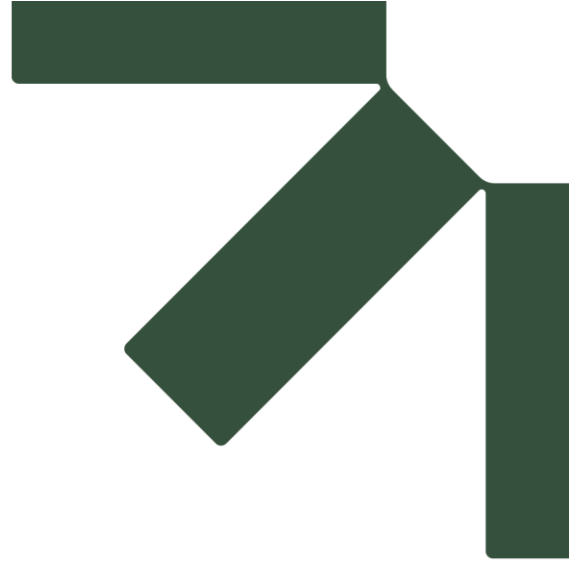
Technical Appendix 7-1 EU Directives / National Legislation and Regulations / Guidelines / Technical Standards

EIAR – Volume 3

Muingmore Wind Farm

SLR Project No.: 501.065301.00001

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European Directives

Directive 2011/92/EU on the assessment of the effects of certain public and private projects on the environment as amended by Directive 2014/52/EU of the European Parliament and of the Council of 16 April 2014;

Directive 2000/60/EC of the European Parliament and of the Council of 23 October 2000 establishing a framework for Community action in the field of water policy;

Directive 2006/118/EC of the European Parliament and of the Council of 12 December 2006 on the protection of groundwater against pollution and deterioration;

Directive 2007/60/EC of the European Parliament and of the Council of 23 October 2007 on the assessment and management of flood risks; and

Directive 2006/21/EC of the European Parliament and of the Council of 15 March 2006 on the management of waste from extractive industries.

Irish Government Acts, National Legislation and Regulations

S.I. No. 349 of 1989, European Communities (Environmental Impact Assessment) Regulations, and subsequent amendments (S.I. No. 84 of 1994, 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);

The Planning and Development Acts, 2000 to 2009, The Planning and Development (Amendment) Act 2010, S.I. 600 of 2001 Planning and Development Regulations and subsequent amendments including, S.I. No. 364 of 2005 and S.I. 685 of 2006.

National legislation on the protection of the water environment. Since 2000 water management in EU member states has primarily been directed by the Water Framework Directive (2000/60/EC) and the associate 'daughter' Groundwater Directive (2006/118/EC). Irish legislation implementing these, and other relevant directives currently includes:

S.I. No. 9 of 2010 European Communities Environmental Objectives (Groundwater) Regulations 2010 and amendments (S.I. No. 389 of 2011 and S.I. No. 149 of 2012);

European Union (Drinking Water) Regulations 2014 (S.I. No. 122 of 2014);

S.I. No. 278 of 2007 European Communities (Drinking Water) (No. 2) Regulations;

S.I. No. 272 of 2009 European Communities Environmental Objectives (Surface Waters) Regulations 2009 and amendment (S.I. No. 327 of 2012);

S.I. No. 684 of 2007 Waste Water Discharge (Authorisation) Regulations, 2007, as amended (S.I. No. 231 of 2010);

S.I. No. 122 of 2010 European Communities (Assessment and Management of Flood Risks) Regulations 2010;

S.I. No. 457 of 2008 European Communities (Environmental Liability) Regulations which bring into force the European Liability Directive (2004/35/EC);

European Union (Planning and Development) (Environmental Impact Assessment) (No. 2) Regulations 2018 (S.I. No. 404 of 2018);

Local Government (Water Pollution) Acts 1977 to 1998;

European Communities (Quality of Salmonid Waters) Regulations, 1988 (S.I. No. 293 of 1988);

European Communities (Quality of Shellfish Waters) Regulations, 2006 (S.I. No. 268 of 2006) and amendments (S.I. No. 55 and 464 of 2009), and;

Bathing Water Quality Regulations, 2008 (S.I. No. 79 of 2008) and amendments (S.I. No. 351 of 2011 and S.I. No. 163 of 2016);

Guidelines

DEHLG (2019). Draft Revised Wind Energy Development Guidelines

Irish Wind Energy Association (2012): Best Practice Guidelines for the Irish Wind Energy Industry

CIS (2007). Common Implementation Strategy (CIS) for the Water Framework Directive (2000/60/EC) Guidance on preventing or limiting direct and indirect inputs in the context of the Groundwater Directive 2006/118/EC. Guidance Document No. 17.

CIS (2010). Common Implementation Strategy (CIS) for the Water Framework Directive (2000/60/EC). Guidance on risk assessment and the use of conceptual models for groundwater. Guidance document No. 26.

DEHLG (2004). National Urban Waste Water Study. National Report.

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

DELG/EPA/GSI (1999). Groundwater Protection Schemes. Document prepared jointly by the Geological Survey of Ireland (GSI), the Environmental Protection Agency, and the Department of Environment, Heritage and Local Government.

EPA (2022) Guidelines on the Information to be Contained in Environmental Impact Assessment Reports.

EPA (2010b). Methodology for Establishing Groundwater Threshold Values and the Assessment of Chemical and Quantitative Status of Groundwater, Including and Assessment of Pollution Trends and Trend Reversal.

EPA (2011). Guidance on the Authorisation of Discharges to Groundwater. Version 1, December 2011.

EPA (2003). Towards Setting Guideline Values for the Protection of groundwater in Ireland. Interim Report.

EPA (2006). Ireland Water Framework Directive Monitoring Programme.

Fitzsimons, V., Daly, D. and Deakin, J. (2003). Draft GSI guidelines for assessment and mapping of groundwater vulnerability to contamination. Groundwater Chapter, Geological Survey of Ireland.

GSI (2006). Criteria used in aquifer classification. Available from <http://www.gsi.ie/Programmes/Groundwater/Aquifer+Classification.htm>

IGI (2007). Guidelines on Water Well Construction. Available from <http://www.gsi.ie/Programmes/Groundwater/Aquifer+Classification.htm>

Kilroy, G., Dunne, F., Ryan, J., O'Connor, A., Daly, D., Craig, M., Coxon, C., Johnston, P. and Moe, H. (2008). A Framework for the Assessment of Groundwater – Dependent Terrestrial Ecosystems under the Water Framework Directive. Environmental Research Centre Report Series No. 12.

Institute of Geologists of Ireland, 2007. Recommended collection, presentation and interpretation of geological and hydrogeological information for quarry developments.

Inland Fisheries Ireland (2016): Guidelines on Protection of Fisheries During Construction Works in an Adjacent to Waters.

DEHLG (2009). The Planning System and Flood Risk Management- Guidelines for Planning Authorities.

RDEHLG (2018). River Basin Management Plan 2018-2021.

DAFM (2017), Felling and Reforestation Policy

DAFM (2019). Standards for Felling and Reforestation

DAFM (2015). Forestry Standards Manual

Forest Service (2000): Forestry and Water Quality Guidelines. Forest Service, DAF, Johnstown Castle Estate, Co. Wexford.

Good Practice During Wind Farm Construction (Scottish Natural Heritage, 2010).

Wind Energy Development Guidelines for Planning Authorities (2006)

Technical Standards

British Standards (2015). Code of Practice for Ground Investigations BS5930:2015.

CIRIA (2007). The SuDS Manual. (C697). CIRIA publication, February 2007.

CIRIA (2015). Environmental good practice on site guide (C741)

CIRIA (2001). Control of water pollution from linear construction projects (C648)

SLR Standard operating Procedures (SoP) for surface water and groundwater sampling:

- 090330 Hydro SOP Number 1107 0 V 1 0 Drilling Supervision & Monitoring Well Construction;
- 090330 Hydro SOP Number 1102 0 V1 0 Surface Water Sampling;
- 201015 Hydro SOP 1101 V3 Groundwater Sampling;

