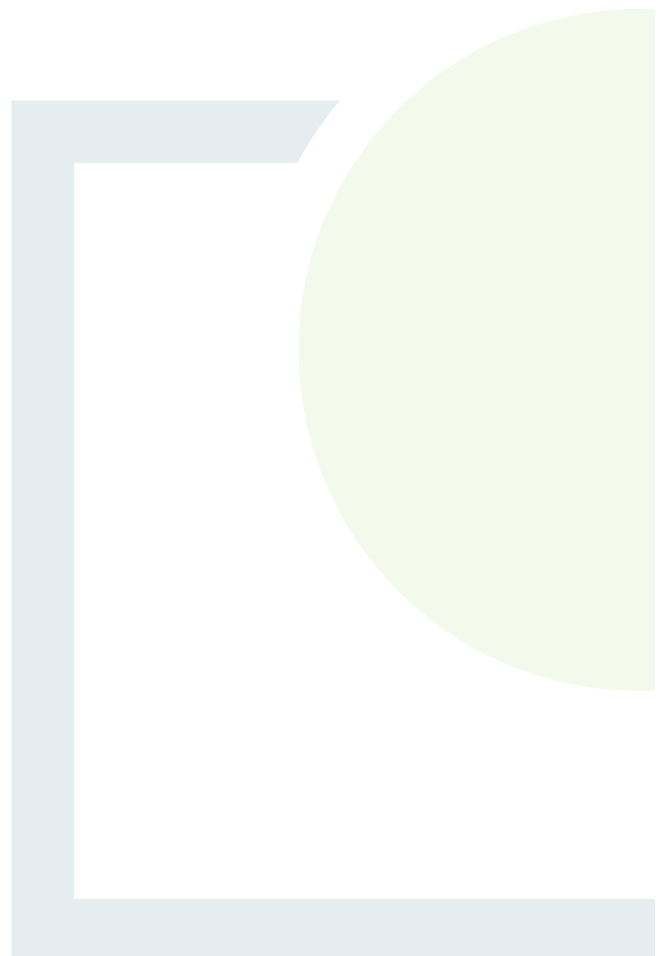




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Appendix 1.3

Curricula Vitae for the
Project Team





Bernie Guinan

Director



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Profile

Bernie is Director with FT and a Chartered Waste Manager. She is responsible for Waste & Resource Management, Environmental Science and Data Management. She has 20 years' experience in delivering and managing projects and infrastructure delivery for a wide variety of sectors. Bernie has extensive experience in all aspects of strategic management planning and infrastructure development in Ireland, the UK, KSA and UAE. She is an experienced planning policy analyst and strategic planner. She has in-depth knowledge of all environmental and planning policy, legislation and guidance. She has been providing environmental, planning and waste management consultancy services to Local Authorities for over 20 years. She has a vast amount of experience coordinating EIA, SEA and AA projects, including large-scale and complex projects.

Previous Experience Essentials For This Project

- **SEA/AA for 25 Local Authority Climate Action Plans 2024-2029**
Project Director for the completion of full **SEA** and **AA** for each of the County LACAPs.
- **Eirgrid - National Grid Implementation Strategy, 2023 - Ongoing**
Bernie is responsible for coordinating and directing the development of a complex **SEA** and **AA** for Eirgrid national Grid Implementation Strategy This project has recently commenced and is currently going through the Scoping stage.
- **Strategic Environmental Assessment and Appropriate Assessment of Cork City Council EV Charging Strategy, 2023**
Project Director for the completion of full **SEA** and **AA** for the Cork City EV Charging Strategy.
- **Oxigen Environmental Ltd. - Materials Recovery Facility, 2020 – 2023**
Project Director for the development of the facility design and the preparation of planning application, **EIAR** and **NIS** for a 90,000 tpa facility that will accept household, commercial, food and construction and demolition waste. This project is a large infrastructural project and is situated in an area of significant environmental sensitivity.
- **Thorntons Recycling - Materials Recovery Facility, 2021 – 2023.**
Project Director for the development of the facility design and the preparation of SID planning application, **EIAR** and **NIS** for a 300,000 tpa facility that will accept household, commercial, food and construction and demolition waste.
- **Strategic Environmental Assessment of the Shannon Local Area Plan on behalf of Clare County Council,**
Project Director for the completion of full **SEA** and **AA** for the Shannon Local Area Plan.
- **Strategic Environmental Assessment and AA Screening of the Laois Local Economic and Community Plan**
Project Director for the completion of full **SEA** and **AA** Screening of the Laois Local Economic and Community Plan.
- **Strategic Environmental Assessment and AA Screening of DAFMs Common Agricultural Policy Strategic Plan, 2023**
Project Director for the completion of full **SEA** and **AA** screening for DAFMs Common Agricultural Policy Strategic Plan
- **Project Director: Tier 1 & 2 Assessments, Unauthorised Landfill Remediation**
Project Director for the preparation of **AA Screenings** and **NISs** of a number of unregulated waste disposal sites for Local Authorities. A sample list of projects is presented below:

Key Information

Qualifications

MSc, BSc. (Envi. Sci & Tech),

Dip. Pollution Assessment Control

Dip. Business Development

Professional Memberships

Chartered Institution of Wastes
Management (CIWM)

Employment History

2006- Present

Fehily Timoney & Company, Dublin
Position

2000 – 2006

Fehily Timoney & Company, Cork
Position

1999 – 2000

Entec UK Ltd., Dublin
Position

1997 – 1999

A.T. Cross Ltd., Galway
Position



Bernie Guinan

Director

- **Monaghan Co. Co.:** Scotch Corner, Killicard & Knockcronaghan,
- **Kilkenny Co. Co.:** Talbotsinch, Gowran, Skehana, Thorpes, Sevenhouses and Oldcourt
- **Longford Co. Co.:** Cartron Big, Ballymulvey, Longford Town No.1, Ballymauric and Drumlish.
- **Edenderry Power Ltd. – Continued use of Edenderry Power Plant exclusively using Biomass, 2020-2023**
Project Manager to prepare and submit a Planning Application, an **EIAR** and a **NIS** for the continued operation of Edenderry Power Plant from the beginning of 2024 to the end of 2030 exclusively using sustainable biomass fuel. This Planning Application was granted by Offaly Co. Co in 2022.
- **Bord an Móna Energy Ltd. - Clonbullogue Ash Repository, 2020-2021 Planning Decision Granted by Offaly Co. Co. in 2021.**
Project Manager for the preparation of a Planning Application, **EIAR** and **NIS** for the continuation of Clonbullogue Ash Repository from 2024 - 2030 for the acceptance of ash from Edenderry Power Station. This facility was situated in a highly sensitive environmental context.
- **Bord na Móna Energy Ltd. - Retention Planning Application for a Biomass Facility at Drumman, Co. Offaly – 2020-2021**
Project Director for the preparation of a Planning Application for the retention and continuation of Drumman Biomass Facility, Co. Offaly. The application process involved conducting pre-planning consultations and preparing the planning application and **planning support statement**. Permission was granted by Offaly Co.Co. in 2021. This project involved a substantial level of planning policy analysis to inform the strategic approach to the project.
- **Bord na Móna Energy Ltd. - Retention Planning Application for a Croghan Biomass Facility at Croghan, Co. Offaly – 2020-2021**
Project Director for the preparation of a Planning Application for the retention and continuation of Croghan Biomass Facility, Co. Offaly. The application process involved conducting pre-planning consultations and preparing the planning application and **planning support statement**. Permission was granted by Offaly Co.Co. in 2021. This project involved a substantial level of planning policy analysis to inform the strategic approach to the project.
- **Bord na Móna Energy Ltd. - Retention Planning Application for a Toar Biomass Facility, Co. Westmeath – 2020-2021**
Project Director for the preparation of a Planning Application for the retention and continuation of Toar Biomass Facility, Co. Westmeath. The application process involved conducting pre-planning consultations and preparing the planning application and **planning support statement**. Permission was granted by Westmeath Co.Co. in 2020. This grant was subject to a third-party appeal to An Bord Pleanála (ABP) but granted planning in 2021. This project involved a substantial level of planning policy analysis to inform the strategic approach to the project.
- **Kerry County Council – South Kerry Greenway – Planning Application and EIS 2015 – 2019. Planning was granted by An Bord Pleanála in 2020.**
Project Director for the preparation of an **EIAR** and Planning Application under the Roads Acts for the development of 32 KM for Greenway from Glenbeigh to Rennard. The planning application was lodged to An Bord Pleanála in August 2018 and granted in 2020.
- **Powergen- Bord na Móna – Development of a Renewable Gas Project 2018 – ongoing**
Project Manager for the preparation of an **EIAR**, Planning Application and AA Screening for a 80,000 tpa anaerobic digestion facility, biomethane cleaning plant and gas to grid entry unit, junction upgrade on the R445 and an 1.5KM extension of the GNI local grid network. This facility was impactful in nature and situated in a highly sensitive landscape context. Initial planning and environmental assessment was undertaken to inform project design and approach.. Planning consent was ultimately granted to this development.
- **Strategic Planning and Environmental Appraisal of the Vision for Lough Muckno, Ongoing.**
Project Director with responsibility for the development of a strategic planning and environmental appraisal for Monaghan County Councils Vision for Lough Muckno.
Concept Proposal Option 1 entitled ‘Muckno Adventure Estate’ involves the proposed development of four zones connected zones of activity, within which it will be possible to undertake over 150 different outdoor adventure activities as well as experiences associated with nature, conservation, art, craft, music, food and drink, and health and well-being.
Concept Proposal Option 2 entitled ‘The Great Drumlin of Adventure’ builds on Concept Proposal Option 1. This concept proposal option involves the carrying out of additional substantial development at Lough Muckno Estate. The Estate will be developed as an internationally significant tourist attraction.
The project involved the preparation of a Strategic Planning and Environmental Appraisal of both Concept Options, which involved the following:
 - An evaluation of the character and context of the locations in which the concept proposals will take place.
 - An appraisal of baseline environment characteristics and sensitivities



Bernie Guinan

Director



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-
- An appraisal of how the Concept Proposals will impact upon the baseline environment. This appraisal looked at potential impacts on: Ecology and protected sites; soils, geology and hydrogeology; surface water quality and hydrology; cultural heritage and archaeology; landscape character and visual amenity; existing tourism and recreational amenity; and air quality and climate.
 - The development of constraints mapping
 - The carrying out a planning policy conformance assessment
 - Identification of elements of the concept options that can proceed; elements of the concept options that can proceed (with design modifications, mitigation or planning policy amendments); and elements of the concept options that cannot proceed, having regard to planning and environmental constraints.



Richard Deeney

Principal Environmental Scientist

Profile

Richard is Principal Environmental Scientist at Fehily Timoney. He works in the Circular Economy and Environment group at Fehily Timoney and is vastly experienced in the coordination and completion of planning applications; EIA, including EIA Screening, EIA Scoping and the production of Environmental Impact Assessment Reports (EIARs); Strategic Environmental Assessment (SEA) and Appropriate Assessment (AA) of plans and programmes; IE/IPC/Waste Licensing and Compliance; and Sustainability and Climate Action consultancy. He leads an Environmental Science team that delivers projects in these areas. He is an expert project manager who has led and successfully delivered a wide range of strategic and complex projects.

Key Skills

- Planning applications (Section 34, Part 8, S177AE, SID)
- EIA
- SEA and AA of plans and programmes
- IE/IPC/Waste Licensing
- Sustainability and climate action consultancy
- Public and stakeholder engagement
- Leadership, mentoring and coaching
- Project strategy and management
- Administration of ISO 9001:2014 and ISO 14001:2015 Management Systems

Previous Experience Essentials for this Project

Planning Applications and EIA

- Project Manager for the preparation of a planning application, EIA and AA for a 90,000 tonne per annum Anaerobic Digestion facility, 2023.
- Preparation of a Strategic Planning and Environmental Appraisal of the Vision for Lough Muckno, 2023 – 2024.
- Project Manager for the preparation of an SID planning application, EIAR and AA Screening for the Thorntons Recycling Materials Recovery Facility (300,000 tonne per annum) to be based in Cappogue, Dublin 11, 2021 – 2023.
- Project Manager for the preparation of a planning application, EIAR and NIS for the Oxygen Materials Recovery Facility (90,000 tonne per annum) to be based in Derryarkin, Co. Offaly, 2021 – 2023.
- Project Manager for the preparation of a planning application for the Quality Recycling Limited Civic Amenity Facility based in Carrick-on-Suir, Co. Tipperary, 2021 – 2022.
- EIAR Coordinator for the Edenderry Power Plant and Clonbullogue Ash Depository developments, which involved the continuation of operations at Edenderry Power Plant using sustainably sourced biomass, 2021.
- Project Manager for the preparation of Section 177AE Applications and CPO documentation for several Historic Landfill Remediation Projects (Claremorris, Tipperary Town, Killycard and Killycronaghan), 2021 – 2023.
- Project Manager for the preparation of a planning application, EIAR and NIS for a Soil and C&D Recovery Facility (90,000 tonnes per annum) based in Graney West, Kildare, 2018 – 2021.
- Project Manager for a Strategic Planning and Environmental Assessment for a prospective industrial estate development based at Gorteen, Ardmore, Co. Waterford on behalf of the Industrial Development Agency, 2017.
- Responsible for the coordination of vast number of planning applications, including Part 8 planning applications, for residential, commercial/industrial, waste, public realm and recreation developments, 2017 onwards.

Key Information

Qualifications

Advanced Diploma in Planning and Environmental Law,
Kings Inns, Ireland 2017

B.Sc. First Class Honours Degree,
Environmental Management,
Dublin Institute of Technology, 2012

Professional Memberships

Chartered Environmentalist,
The Society for the Environment

Member, Institution of Environmental
Sciences (IES)

Member, Institute of Environmental
Management and Assessment (IEMA)

Associated Member,
Institute of Air Quality Management
(IAQM)

Employment History

2022 to date

Fehily Timoney & Company
Principal Environmental Scientist

2021 – 2022

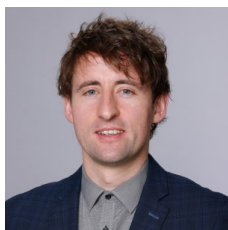
Fehily Timoney & Company
Senior Environmental Scientist

2017 - 2021

Environmental Efficiency
Consultants Ltd.
Senior Environmental Consultant

2012 - 2017

Environmental Efficiency
Consultants Ltd.
Environmental Consultant



Richard Deeney

Principal Environmental Scientist

SEA and AA of Plans and Programmes

- SEA and AA of the 5th Amendment of the Common Agriculture Policy Strategic Plan, 2024.
- SEA and AA of Coillte Land Use Implementation Plan, 2024.
- SEA and AA of the Eirgrid Grid Implementation Plan, 2023 – 2024.
- SEA, AA and SFRA for the Monaghan County Development Plan (CDP), 2024.
- SEA, AA and SFRA for the Kiltiernan-Glenamuck LAP, 2023 – 2024.
- SEA, AA and SFRA for the Carrick-on-Suir and Tipperary Town Local Area Plans (LAPs), 2024.
- SEA, AA and SFRA for the Bray and Arklow LAPs, 2023 - 2024
- SEA and AA Screening for Westmeath Noise Action Plan, 2024.
- SEA and AA Screening for Amendments to Common Agriculture Policy Strategic Plan, 2022 to date.
- SEA and AA Screening for Kildare and Dun Laoghaire-Rathdown Local Economic and Community Plans, 2023.
- SEA and AA Screening for Offaly, Limerick, Tipperary, Clare and Westmeath Biodiversity Action Plans, 2024.
- SEA and AA of 25 Local Authority Climate Action Plans (LACAPs), 2023 – 2024.
- SEA and AA Screening for Kildare and Dun Laoghaire-Rathdown Local Economic and Community Plans, 2023.
- SEA and AA of Cork City Council EV Charging Strategy, 2023.

IE/IPC/Waste Licensing

- Project Manager for the preparation of an Industrial Emissions (IE) Licence Application and EIAR for the Thorntons Recycling Materials Recovery Facility to be based at Cappogue, Dublin 11, 2024.
- Project Manager for the preparation of an IE Licence Application and EIAR for the Metals Processors Industrial Facility based in Clondalkin, Dublin 22, 2019 – 2021.
- Preparation of an IE Licence Application for the Health Beacon Healthcare Waste Management Facility based in Inchicore, Dublin, 2020.
- Completion of an IE Licence Application and Best Available Technique Conformance Assessment for a Chlor-Alkali manufacturer, 2018.
- Completion of a Firewater Retention Assessment for a Magni-Coating Manufacturing Facility, 2018.
- Completion of a Closure, Restoration, Aftercare Management Plan, an Environmental Liability Risk Assessment, a Firewater Retention Assessment, and a Firewater Retention Risk Management Programme for an Upper Tier Seveso Facility, 2017.
- Project Manager with responsibility for delivering a range of compliance monitoring programmes at licensed facilities, including stack emission, surface water, groundwater and dust monitoring, and bund integrity assessment, 2014 – 2021.
- Completion of Fugitive Emission Assessments and Solvent Management Plans for a range of licensed facilities, 2012 – 2017.
- Completion of AER's and PRTR's for EPA Licensed Facilities, 2012 – 2015.
- Environmental Support for the Decommissioning and Closure of IPC licensed Wood Preservation Facilities belonging to a large Building Suppliers across Ireland, 2012 – 2016.
- Environmental Monitoring Technician with responsibility for Noise, Stack Emission, Surface Water, Sewer, Groundwater and Dust monitoring, 2012 – 2014.

Sustainability and Climate Action

- Preparation of a Sustainability and Climate Impact Assessment and a Sustainability Strategy for The Heritage Council (2024).
- Development of Alternative Fuel Strategy for East Bord Region Local Authorities, 2023
- Development of Baseline Emission Inventories for counties Clare, Monaghan, Leitrim, Cavan, Offaly, Laois, Westmeath, Longford and Roscommon).
- Environmental and Sustainability Compliance Audit and Planning for Irish Lights, 2022.
- Project Manager for the design, planning and environmental assessment of the East Galway Eco Park project, which involves the development of an Eco Park at the East Galway Historic Landfill, 2020 – 2024.
- Lead Verifier for the Bord Bia Origin Green Sustainability Programme who was responsible for improving the robustness of verification processes and enhancing the programme, 2019 – 2021.
- Responsible for the development of Environmental Management Plans for Biomass Plants in Kenya and Uganda for Diageo, 2020 – 2021.
- Development of ISO 14001: 2015 Environmental Management System (EMS) and Implementation Plan for the McAree Engineering Steel Fabrication facility based in Monaghan, 2018.
- Development of an ISO 14001: 2015 EMS for the Rangeland Foods Meat Processing Facility based in Monaghan, 2017
- Development of an ISO 14001: 2015 EMS for an All Island Petroleum Supply Company – Topaz (now Circle K), 2017
- Development of an ISO 14001: 2015 EMS for the Burke Joinery Facility, 2017.



Sanghamitra Nidhi Dutta

Project Scientist



CONSULTANTS IN ENGINEERING,
ENVIRONMENTAL SCIENCE
& PLANNING

Profile

Sanghamitra is a Project Environmental Scientist on the Circular Economy and Environment Team at Fehily Timoney and Company. She has over three years postgraduate experience, holding a MSc. in Global Change: Ecosystem Science and Policy from University College Dublin and a BSc. Environmental Science from St. Edmund's College, Shillong, India.

Sanghamitra is adept at managing large and medium scale projects and delivering exceptional results, with expertise in Project Management, Stakeholder Engagement, Strategic Environmental Assessment and Environmental Impact Assessment. She is Skilled in crafting and compiling comprehensive reports ensuring compliance at Local Authority level.

Key Skills

- Strategic Environmental Assessment
- Environmental Impact Assessment
- Construction, Operation and Decommissioning Management Plans Phases
- Preliminary Feasibility Studies
- Environmental Research
- GIS and Mapping
- Data analysis and visualisation

Previous Experience Essentials for this Project

- **Strategic Environmental Assessment for the Carrick-on-Suir Local Area Plan - Ongoing**
Project Support with responsibility for completing environmental impact analysis of Plan policy objectives and subsequently supporting the development of the SEA Environmental Report for the Carrick-on-Suir LAP.
- **Strategic Environmental Assessment for the Kiltiernan-Glenamuck Local Area Plan - Ongoing**
Project Scientist with responsibility for completing a baseline evaluation of environmental characteristics for the plan area and producing an SEA Scoping Report. Will be responsible for producing the SEA Environmental Report for the LAP.
- **Strategic Environmental Assessment for the Shannon Local Area Plan 2024-2030 - Ongoing**
Project Scientist with responsibility for supporting the development of the SEA Environmental Report for the LAP.
- **Strategic Environmental Assessment of the Coillte Land Use Strategic Implementation Plan - Ongoing**
Project team member with responsibility for development of the SEA Scoping Reports (conducting baseline environmental research, developing in-depth understanding of the RoI's forestry industry and related key issues).
- **Strategic Environmental Assessment for the Monaghan County Development Plan 2025-2031 - Ongoing**
Project Scientist with responsibility for completing environmental impact analysis of Plan policy objectives and subsequently supporting the development of the SEA Environmental Report for the Monaghan CDP.

Key Information

Qualifications

MSc. Global Change: Ecosystem Science and Policy, University College Dublin, 2020

BSc. Environmental Science, St. Edmund's College, Shillong, India, 2017

Employment History

2024 – Present

Fehily Timoney & Company
Project Environmental Scientist

2022 – 2024

MKO Ireland, Galway
Environmental Scientist

2020 – 2021

Minogue Environmental Consulting
Junior Consultant

2020 – 2020

The Refugee Project at United Nations High Commissioner for Refugees, Brussels
Project Facilitator

2019 – 2020

Hugo Observatory, University of Liège, Belgium
Research Assistant



Sanghamitra Nidhi Dutta

Project Scientist



CONSULTANTS IN ENGINEERING,
ENVIRONMENTAL SCIENCE
& PLANNING

- **Strategic Environmental Assessment and Appropriate Assessment for the Westmeath, Offaly, Clare, Kilkenny and Limerick Biodiversity Action Plans, 2024 - Ongoing**
Project Support with responsibility for completing environmental impact analysis of Plan actions and subsequently supporting the development of the SEA Screening Reports for the BAPs.
- **Environmental Impact Assessment for a Proposed Healthcare Risk Waste Facility for Stericycle Ireland (Ongoing)**
Project Scientist with the responsibility of coordination and collating an Environmental Impact Assessment Report for a proposed Healthcare Risk Waste Facility in the West of Ireland.
- **Environmental Management System for Waterford Oysters (Co. Waterford) (2024-2025)**
Project Scientist with the responsibility for drafting an Environmental Management System in collaboration with Waterford Oysters as part of compliance with Planning Conditions of Planning Reference ABP-305618.
- **EIA Screenings for Pavillion Programme by South Dublin County Council (2024)**
Project Scientist with the responsibility for delivering EIA Screenings for Part 8 Planning Applications for South Dublin County Council's Pavillion Programme for the delivery of modular pavilions across seven parks in the functional area for use as changing rooms and storage areas.
- **EIA Screenings for South Dublin County Council (2024)**
Project Scientist with responsibility for delivering EIA Screenings for Part 8 Planning Applications for the development of social housing in the functional area of South Dublin County Council.
- **Environmental Management and Compliance Support for the Commissioners of Irish Lights (2024) – Project Support with responsibility for updating compliance register for operations of Irish Lights**
Project Scientist with the responsibility of updating compliance register for the operations of the Commissioner of Irish Lights in line with updated environmental legislation.
- **Strategic Environmental Assessment Screening for Dun-Laoghaire Rathdown Local Economic and Community Plan 2024-2029 (2024)**
Project Scientist with responsibility for delivering SEA Screening and coordinating on AA of the Dun-Laoghaire Rathdown LECP 2024-2029 on behalf of Dun-Laoghaire Rathdown County Council. Responsible for coordinating SEA Scoping and consultation and completing SEA Screening Report. Responsible for coordinating and collaborating with wider team to support AA Screening.
- **Strategic Environmental Assessment Screening for Kildare Local Economic and Community Plan 2024-2029 (2024)**
Project Scientist with responsibility for delivering SEA Screening and coordinating on AA of the Dun-Laoghaire Rathdown LECP 2024-2029 on behalf of Dun-Laoghaire Rathdown County Council. Responsible for coordinating SEA Scoping and consultation and completing SEA Screening Report. Responsible for coordinating and collaborating with wider team to support AA Screening.
- **Strategic Environmental Assessment for Sandy Quarter Spatial Framework on behalf of Land Development Agency and Galway City Council, 2023**
Project Manager with responsibility for delivering SEA and coordinating on AA of the Sandy Quarter Spatial Framework on behalf of the Land Development Agency and Galway City Council. Responsible for coordinating SEA Scoping and consultation and completing SEA Environmental Report. Responsible for coordinating and collaborating with wider team to support AA and Biodiversity Net Gain studies.
- **Strategic Environmental Assessment Screening for Sixmilebridge Town Centre First Masterplan on behalf of Clare County Council, 2023**
Project Manager with responsibility for delivering SEA Screening and coordinating on AA of the Sixmilebridge Town Centre First Masterplan on behalf of Clare County Council. Responsible for coordinating SEA Scoping and consultation and completing SEA Screening Report. Responsible for coordinating and collaborating with wider team to support AA Screening.



Sanghamitra Nidhi Dutta

Project Scientist



CONSULTANTS IN ENGINEERING,
ENVIRONMENTAL SCIENCE
& PLANNING

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- **Strategic Environmental Assessment for Westport Local Area Plan 2023-2029 on behalf of Mayo County Council, 2022**
Member of SEA team responsible for delivering chapters of SEA Environmental Report.
 - **Strategic Environmental Assessment for Castlebar Local Area Plan 2023-2029 on behalf of Mayo County Council, 2022**
Member of SEA team responsible for delivering chapters of SEA Environmental Report.
 - **Strategic Environmental Assessment for Galway City Development Plan 2023-2029 on behalf of Galway City Council, 2021**
Member of SEA team responsible for delivering SEA Environmental Report. Coordinated with wider team on SEA Scoping and consultation and completing chapters of SEA Environmental Report.
 - **Environmental Impact Assessment for Booltiagh I Windfarm, Co. Clare (Extension of Life Application), 2022**
Member of the EIA team, responsible for scoping, mapping, preparing chapters and coordinating EIAR for an Extension of Life Planning Application for Booltiagh I Wind Farm, Co. Clare. .
 - **Environmental Impact Assessment for Booltiagh II Windfarm, Co. Clare (Repowering Application), 2022**
Member of the EIA team, responsible for scoping, mapping, preparing chapters and coordinating EIAR for a Repowering Planning Application for Booltiagh II Wind Farm, Co. Clare.
 - **Environmental Impact Assessment (Coordination) for Clonberne Wind Farm, Co. Galway, 2022**
Member of EIA team, responsible for scoping, mapping, coordination of wider EIA team.



Donna O'Halloran

Senior Ecologist



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Profile

Donna has worked at Fehily Timoney for over 10 years as an Ecologist. Donna has a wealth of experience in general ecology, forest ecology, invasive species, air and climate and landscape design (including semi-natural woodland habitat creation). Donna has worked on infrastructure, energy, waste and urban development projects. Up until recently Donna was seconded to the Forest Service full-time, undertaking Appropriate Assessment and ecology reports on behalf of the Minister for Agriculture, Food and the Marine and is managing a team of ecologists.

Donna has undertaken numerous types of ecological surveys and prepared Ecological Impact Assessments (EclA) and Appropriate Assessment (AA) Screening/ Natura Impact Statements. Donna also has prepared Air and Climate chapters for Environmental Impact Assessment Reports (EIAR) as well as preparing the associated carbon calculations and DMRB traffic emissions model. Donna also has particular experience in Landscape Design/Landscape Ecology, preparing ecologically conscious Master Plans and Landscape Statements for small scale planning applications, Biodiversity Enhancement Plans for solar farm planning applications, habitat restoration specification for semi-natural woodland, as well as Arboricultural Interpretation Report and Tree Impact Assessment. Donna has also worked on the landscape plans for two large road projects at detailed design stage.

Donna has a background in horticulture and landscape architecture and holds a National Diploma from the National Botanic Gardens, Dublin and a Bachelor of Science for Landscape Horticulture from University College Dublin, Ireland. Donna also has two first class honors Masters of Science; one in Environmental Resource Management from University College Dublin, Ireland and the other in Ecological Assessment from National University of Ireland, University College Cork.

Key Skills

- Ecology: Preparation, overseeing preparation and review of EclAs, AA Screening Reports, Natura Impact Assessment, biodiversity enhancement measures creation, Invasive Species Management Plans, habitat creation and restoration.
- Ecological surveying: habitat, botanical, ornithological, bats and terrestrial mammals
- Air and Climate: Preparation of chapter for EIAR, Carbon emission model, Traffic Emissions (DMRB)
- Landscape Design: Landscape Plans, Landscape Statements, Landscape Management Plans, Planting Plans and Planting Schedules, Habitat restoration specification, design of habitat creation and restoration
- Tree Impact Plan: interpretation of Arboricultural survey and the preparation of the Tree Protection Plan and Tree Replacement Planting Plan.

Previous Experience Essentials for this Project

Ecology

- **Assisting County Councils and Government Departments in their delivery and implementation of planning services.**

Since April 2025 Donna has reviewed the Ecological Impact Assessments (EclAs) and Appropriate Assessment Reports (AA Screening Reports and Natura Impact Statement (NIS) Reports) of planning applications on behalf of Fingal County Council and Dun Laoghaire-Rathdown County Council. Donna has also overseen the

Key Information

Qualifications

- MSc. Ecological Assessment (First Class Honors),
University College Cork, 2014
- MSc. (Agr.) Environmental Resource Management (First Class Hons)
University College Dublin, 2007
- BSc. (Agr.) Landscape Horticulture (Hons),
University College Dublin, 2006
- National Diploma in Horticulture,
National Botanic Gardens/ITB, Dublin
2004

Employment History

2015- Present

Fehily Timoney & Company
Ecologist & Environmental Scientist

2011 – 2014

Heronswood Childcare Centre, Cork
Assistant Supervisor

2010 – 2011

Little Hands Childcare and Early Learning Centre, Cork
Assistant

2007 – 2008

Mitchell & Associates, Cork
Landscape Architect

2006

Brady Shipman Martin, Cork
Landscape Architect Assistant

2001 – 2004

National Botanic Gardens, Dublin
Student Gardener

2001 – 2003

Carewswood Garden Centre, Cork
Sales Assistant



Donna O'Halloran

Senior Ecologist



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ecological surveys and preparation and review of EclAs and AA Screening Reports for safe schools developments, play space installations, sports pitch installations, and remediation of asbestos materials, on behalf of South Dublin County Council, Dun Laoghaire-Rathdown County Council, and Clare County Council. Donna has also prepared and reviewed the ecological element of the Strategic Environmental Assessment (SEA) and AA Screening Reports and NIS for multiple plans of County Councils and Government Departments. These include: the Department of Transport's Sectoral Adaptation Plan 2025 for the Transport Sector, Wicklow County Council's Draft Arklow Town and Environs Local Area Plan 2024-2030, and the Department of Agriculture, Food and the Marine's Draft Climate Change Sectoral Adaptation Plan 2025.

- **Team leader and Authorised Officer for the Forestry Inspectorate, on behalf of the Minister for Agriculture, Food and the Marine, ongoing**

Donna was seconded as part of a team of full-time FT ecologists (who she manages) on a nationally significant from October 2020 to March 2025. Donna now works on the project on a part-time basis .

The team provided Appropriate Assessment (AA) Screenings, AA reports and Determinations as well as Ecological Impact Assessment (EclA) for Forest Service applications which are informed by desk studies, ecological walkovers, and incoming applications, ecology reports, AA Pre-screening Reports, Natura Impact Statements, third-party submissions and referral body recommendations. The team worked on private afforestation, felling (for both clearfell and continuous cover forestry), forest road licence applications and the Reconstitution Underplanting Scheme (Ash Dieback). The team, worked with Department staff and other external consultants, assessing applications and providing District Inspectors (DI) with the ecological information they require to issue felling licences or refuse/partially refuse applications.

In September 2021 Donna became team leader of the FT team. She coordinates work for the team, reviews outgoing AA reports and Ecology Reports and undertakes AAs and Ecology Reports herself as well as ecological walkovers. As part of the role, Donna has built a good rapport with DIs and when required, works with them to provide silvicultural solutions to mitigate potential effects to water quality, European and National Sites and Annex I habitats. Donna reports to the DAFM management team weekly and is involved in the production of new circulars, guidance and mitigation. The role also includes consulting externally with prescribed bodies and registered foresters. Donna acts as a mentor to her team and provides training as needed and has a comprehensive knowledge of silvicultural best practice, Forest Service Schemes and guidelines.

- **Review of several Stage 1 Appropriate Assessment (AA) Screening Reports and Stage 2 Natura Impact Statements (NIS) for Strategic Environmental Assessment (SEA), 2018**

Review of multiple AA Screening Reports and NIS for OPW SEA Flood Management for the South Western River Basin

- **Preparation of Stage 1 AA Screening Reports / Stage 2 Natura Impact Statements, 2020**

Field surveys were undertaken to inform the AA Screening. The NPWS was consulted for a response. GIS, NPWS website and EPA websites were used to inform the desktop for the AA Screening. Pathways for significant effects to European sites were located where present and where a significant effect (individual or in-combination) could not be ruled out an NIS was undertaken. Mitigation measures provided in the NIS were in line with best practice and NRA guidelines.

Projects include: AAs for remediation works for several historic landfills in Co. Kerry, Knockharley Landfill, Meath, Battery storage facility on illegal dump, Munster, Retention application for decommissioned mine, Leinster, Landfill extension Millennium Park, Dublin, Waste Soil Recovery Facility Kilquade, Co Wicklow ,Proposed Waste Transfer and Processing Facility, Co Laois, Millennium Park Landfill Extension, Co. Dublin, Center Parcs Feeder Main, Co. Longford, Derragh Wind Farm, Co. Cork, Ashbourne Linear Park, Dublin, Waste Facility License Renewal, Leinster, Soil Recovery Facility, Munster, Ballymanus Wind Farm, Co. Wicklow , Slaghbooly Wind Farm, Co. Clare, Castletownmoor Wind Farm, Co. Meath, Moanvane Wind Farm, Co. Offaly, Moanincha Wind Farm, Co. Tipperary, Raragh Wind Farm Cable Route, Co. Cavan, Smithstown Solar Farm, Co. Kildare, Furryhill Solar Farm, Co. Kildare, Ballykereen Solar Farm, Co. Wexford, Cahir Solar Farm, County Tipperary, Solar Farm in Co. Clare, Solar Farm in Co. Cork , Carrick-on-Suir Solar Farm, Co. Tipperary, Finnis Solar Farm, Co. Cork, Overhead Line, midlands , Solar Farm Co. Wexford, Soil Backfill Facility, Co. Limerick, Battery Storage Facility, Co. Cork.

- **Preparation of Ecological Impact Assessment (EclA), 2019**

The EclA and AA Screening/NIS were prepared for these Solar farms and were based on the finding of an ecological site walkover. These reports included Biodiversity Enhancement Measures.

Projects include: Ballykereen Solar Farm, County Wexford, Cahir Solar Farm, Co. Tipperary, Ballyhale Solar Farm, Co. Kilkenny, Carrick-on-Suir Wind Farm, Co. Kerry, Ralphtown-Newtown Solar Farm, Co. Wexford, Carraigue Solar Array, Co. Cork, Forgotten Solar Farm, Tipperary, Darthogue Solar Farm, Co. Meath, Finnis Solar Farm, Co. Cork, Johnstown North Solar Farm, Co. Wicklow, Clondardis Solar Farm, Co. Westmeath, Knockanoura Solar Farm, Co. Clare, Ballyduff Solar Farm, Co. Cork, Middleton House Solar Array, Co. Longford, Kilbarry Residential & Solar Array, Co. Waterford, Mayglass Solar Farm, Co. Wexford.

- **Invasive Species Surveys, Management Plans, 2019**



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Senior Ecologist



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Surveying the extent and condition of the invasive species infestation (Japanese Knotweed, Himalayan Balsam, Rhododendron ponticum, Cherry Laurel, Winter Heliotrope), preparing a tailored Invasive Species Management Plan and in the case of Barranafaddock Wind Farm, Co. Waterford treating the invasives species (physically) yearly for three years.

Projects include: Barranafaddock Wind Farm, Co. Waterford (Himalayan Balsam), Outline Invasive Species Management Plan for illegal dump in Cork (Japanese Knotweed), Invasive Species Management Plan for Japanese Knotweed, Whitegate, Cork, Outline Invasive Species Management Plan for illegal dump in Cork.

- **Ecological site walkovers where required, 2019**

Undertook site walkovers, recording and mapping habitats categorised using Fossitt (2000) 'A Guide to Habitats in Ireland'. Bird sightings and calls, mammal sightings and field signs and invasive species were recorded as part of the walkover surveys. Habitat Maps were then created using GIS and a report prepared.

Projects include: Millennium Park Landfill Extension, Co. Dublin, Center Parcs Feeder Main, Co. Longford, Ashbourne Linear Park, Dublin, Ballymanus Wind Farm, Co. Wicklow, Slaghbooly Wind Farm, Co. Clare, Castletownmoor Wind Farm, Co. Meath, Moanvane Wind Farm, Co. Offaly, Moanincha Wind Farm, Co. Tipperary, Raragh Wind Farm Cable Route, Co. Cavan, Smithstown Solar Farm, Co. Kildare, Furryhill Solar Farm, Co. Kildare, Ballykereen Solar Farm, Co. Wexford, Cahir Solar Farm, County Tipperary, Solar Farm in Co. Clare, Carrick-on-Suir Solar Farm, Co. Tipperary, Finnis Solar Farm, Co. Cork, Battery storage facility on illegal dump, Munster, Retention application for decommissioned mine, Leinster.

- **Mammal Surveys including badger, red squirrel and pine marten surveys, 2019**

Mammal surveys are generally undertaken as part of habitat surveys. A more detailed survey was required for Badger (under licence from the NPWS) and mitigation measures in the biodiversity write up.

Projects include: Meenwaun Windfarm, Co. Offaly, Finnis Solar Farm, Co. Cork, Darthogue Solar Farm, Co. Meath, Ballyhale Solar Farm, Co. Kilkenny, Knockanoura Solar Farm, Co. Clare, Moanvane Wind Farm, Co. Offaly, North Kildare Solar Farm, Co. Clare.

- **Bat roost surveys, bat emergence surveys and bat activity surveys, 2019**

Following on from Habitat Surveys, where a habitat is deemed important for foraging and/or commuting bats an activity survey is required or where potential roosts are observed emergence surveys are required.

Projects include: Lee Water Treatment Plant extension, Monaincha Wind Farm, Co. Tipperary, Knockharley Landfill, Meath, Center Parcs Feeder Main, Co. Longford, Barranafaddock Wind Farm, Co. Waterford, Ballyhale Solar Farm, Co. Kilkenny, Finnis Solar Farm, Co. Cork, Knockanoura Solar Farm, Co. Clare.

- **Quadrat Botanical Surveys**

Carried out Vegetation Surveys at Barranafaddock Windfarm, Co. Waterford as part of yearly (for three years) surveys to analyse the recovery of vegetation on bare peat soil in areas within the development. Surveys undertaken as part of the development's planning conditions.

- **Vantage Point Bird (VP) Surveys, 2019**

Undertaken VP bird surveys of raptors, wild fowl and wetland birds which include hen harrier, whooper swan and peregrine falcon. Surveys undertaken pre and post planning.

Projects include: Dromada Wind Farm, Co. Limerick, Raragh Wind Farm, Co. Cavan, Monaincha Wind Farm, Co. Tipperary, Fossy Wind Farm, Co. Laois, Barranafaddock Wind Farm, Co. Waterford, Wind Farm, Ballynagree Windfarm Co. Cork

- **Breeding Bird Surveys, 2019**

Carried out Breeding Bird Surveys Barranafaddock Wind Farm, Co. Waterford, as part of yearly (for three years) surveys to analyse the impacts (if any) of the development on its surrounding hedgerow birds. Surveys undertaken as part of the development's planning conditions.

- **Fatality Searches, 2019**

Carried out fatality searches at the base and surrounding installed wind turbines at Barranafaddock Wind Farm, Co. Waterford and Monaincha Wind Farm, Co. Tipperary monthly as part of planning conditions.

Air and Climate

- **Air and Climate Change Impact Appraisals for Wind Farm EIARs, 2020**

Air and Climate Change Impact Appraisal as part of EIAR is assessed according to the NRA's (now TII) 'Assessment Criteria for the impact of dust emissions from construction activities with standard mitigation'. Carbon balance of windfarms is calculated using the Scottish Windfarm Carbon Calculating tool. Traffic emissions are calculated where the DMRB (UK Highways Agency) threshold is met; the UK Highways Agency's tool is used.

Projects include: Slaghbooly Wind Farm, Co. Clare, Castletownmoor Wind Farm, Co. Meath, Ballymanus Wind Farm, Co. Wicklow, Ballymanus Wind Farm, Co. Wicklow, Raragh Wind Farm underground 20KV Grid Connection, Co. Cavan & Co. Meath, Croaghaun in Co. Cork, Ballynagree Wind Farm, Co. Cork..

- **Air and Climate Change Impact Appraisal for non Wind Farm Projects EIARs, 2020**



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Air and Climate Change Impact Appraisal as part of EIAR is assessed according to the NRA's (now TII) 'Assessment Criteria for the impact of dust emissions from construction activities with standard mitigation'. Traffic emission (DMRB) modelling has been carried out where UK Highways Agency's thresholds have been met.

Projects include: Waste Transfer and Processing Facility, Co Laois, Waste Soil Recovery Facility Kilquade, Co Wicklow, Millennium Park Landfill Extension, Co. Dublin, Overhead Line, midlands, Soil Backfill Facility, Co. Limerick , Battery Storage Facility, Co. Cork, Kilpaddoge Peaker Plant, Co .Kerry, Mishells Battery Storage, Co. Cork, Barnahely Battery Storage, Co Cork, Soils Recovery Facility and Eco Park, Co. Wicklow, Glenbeigh Greenway, Co. Kerry.

Landscape Design

- **N4 Collooney to Castlebaldwin Road Development, Sligo, ongoing**

Undertaken the detailed design, landscape specification and accompanying planting plan and schedule. The project is located in an area of hydrologically sensitive designated habitats and the landscape design is connected to both ecological and landscape mitigation measures (dictated by the Environmental Impact Assessment Report).

The development of the road alignment during the design phase had knock on effects on the landscape design which has required the careful amendment of both the design and specification.

- **Dunkettle Interchange (National Road) Extension, Cork City, 2020**

Undertaken the detailed design and planting schedule for the tender stage for parts of the project. The project is located in a hydrologically sensitive area and includes ecological mitigation measures related to the treatment and removal of invasive plant species, protection of rare plants and protection of a Little Egret breeding colony.

- **Mitchelstown Gas Injection Development, Cork, 2019**

Produced a Landscape Masterplan and Landscape Statement for this small development located in the countryside. The local authority requested that the site planting be in keeping with its surroundings and be screened from the road. The design included new and replacement hedgerow and tree line boundaries comprised of species found within the existing site and adjacent boundaries. Native shrub planting was also included to provide further screening, replace lost habitat and to enhance the general ecological value of the area.

- **Miscellaneous Biodiversity Enhancement Plans for Solar Farm Developments 2015-2019**

All the projects were located on previously farmed sites, many developments required the loss of hedgerows/tree lines and scrub which are important to wildlife. Following the design of panels many awkward corners or areas underneath electricity lines were left bare; providing an opportunity for planting. Many of the Biodiversity Plans included the replacement and extra lengths of hedgerows, as well as the introduction of native grassland, bird boxes, bat boxes and insect hotels. Some of the solar farm sites include: Carrick-on-Suir Solar Farm, Co. Tipperary; Finnis Solar Farm, Co. Cork; Cahir Solar Farm, County Tipperary; Ballyhale Solar Farm, Co. Kilkenny; Knockanoura Solar Farm, Co. Clare and Smithstown Solar Farm, Co. Kildare.

- **Restoration of Alluvial Woodland (whereabouts are confidential), 2020**

Provided recommendations for the appropriate replacement of Annex I priority habitat (EU Habitats Directive). Recommendations included like for like replacement of lost species with cognisance paid to the sites hydrology, ground conditions and potential for invasive species establishment.

Tree Impact Assessment and Design

- **Household Waste Recycling Centre and Waste Transfer Station, Herfordshire, UK 2020**

Prepared an Arboricultural Survey Interpretive Report and Impact Assessment for Existing Trees on site for a planning application. The report included an Arboricultural Method Statement and Tree Protection Plan for proposed works as well as a Landscape Masterplan and Landscape Statement for the site. The site contained a number of mature native Oak trees and by consulting with the engineers and modifying the site design the majority of the trees were saved. At the request of the local authority, mostly native species were used in the Landscape Plan for tree replacement and enhancement of the site. Where appropriate Oak trees were planted to replace those that were lost. Other planting was selected to complement the existing native Oak trees on site, to screen the front and back of the site and to provide seasonal aesthetic interest at the front of the site whilst providing food for pollinators and birds.



Declan Morrissey

Principal Scientist/Hydrogeologist



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Profile

Declan is Principal Scientist/Hydrogeologist with Fehily Timoney with thirteen years postgraduate experience. Declan holds a Bachelor of Science in Environmental Management (2009) from Technological University Dublin and a Master of Science in Environmental Sciences (2010) from University of Dublin, Trinity College.

Declan worked in Alberta, Canada for seven years as an environmental scientist and project manager of a hydrogeology group prior to returning to Ireland in 2019. Declan specialises in hydrogeological assessment, water supply, surface water and dewatering management, groundwater monitoring design and execution and environmental site assessments (baseline and contaminated land). Declan also has experience in project management, desk-based research, data analysis, modelling and input into environmental impact assessment reports. Since joining Fehily Timoney in 2020, Declan has been involved in a range of contaminated land projects, Tier 1, 2 and 3 Environmental Risk Assessments and environmental impact assessments.

Key Skills

- Project Management
- Hydrogeology
- Environmental Site Assessment/Site Investigation
- Waste Classification
- Conceptual Site Modelling
- Environmental Reporting
- Data Analysis, and Interpretation
- Environmental Monitoring
- Stakeholder Engagement

Previous Experience

- **PFAS Containing Soils and Waters at Confidential Locations, Ongoing**
Declan is responsible for managing PFAS at a number of sites for a confidential client. Coordination with client and working group to ensure there is active engagement and investigation undertaken is to satisfaction of all members. Declan has overseen trial pitting and groundwater monitoring borehole installations to inform the pathways from the source locations, organisation with third party contractors, preparation of risk assessment and monitoring reports, presentation of monitoring results to client and working group, design of monitoring programmes for groundwater, surface water and soil.
- **Scotch Corner Landfill, Monaghan County Council, Ongoing**
Declan was responsible for the preparation of a report which assessed the impact of additional leachate removal wells on groundwater and surface water quality at Scotch Corner Landfill, Co. Monaghan. The report required an assessment of leachate, ground and surface water quality (including trend assessments). Responsibilities included procuring and management of site investigation contractor for additional groundwater monitoring wells and preparing preliminary safety and health plan. Declan has prepared or peer reviewed subsequent annual monitoring reports to determine if the site is in compliance with the objectives of the Water Framework Directive.

Key Information

Qualifications

Bachelor of Science, Technological University Dublin, 2009

Master of Science, Environmental Sciences, University of Dublin, Trinity College, 2010

Professional Memberships

PGeo – Institute of Geologists of Ireland

EurGeol – European Federation of Geologists

Chartered Resources and Waste Manager - Chartered Institution of Wastes Management

Member, International Association of Hydrogeologists

Employment History

2020 – Present

Fehily Timoney & Company
Senior Scientist/Hydrogeologist

2019 – 2020

TOBIN Consulting Engineers
Project Manager/Hydrogeologist

2012 – 2019

Millennium EMS Solutions Ltd.,
Canada
Environmental Scientist/Project Manager

2011 - 2012

TMS Environment
Environmental Scientist



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Declan is currently assisting Monaghan County Council to surrender an undeveloped area of the licensed site through a Technical Amendment of the existing licence. The works included the preparation of an Independent Closure Audit (ICA) Scoping Report, an ICA Report, preparation of drawings and an AA Screening report. The application is currently under consideration with the EPA.

Declan was peer reviewer for a response to a Regulation 7(4) request by the EPA for the Certificate of Authorisation (CoA) application for the historic closed landfill element of the site.

- **Historic Landfill Assessment & Registration, Carlow County Council, Ongoing**

Declan is engaged in an assessment of a historical landfill on behalf of Carlow County Council at an unregulated landfill site located at Haroldstown, Co. Carlow. A Tier 2 Risk Assessment which included recommended remediation options was completed for the site in 2015. Declan has been required to review groundwater monitoring results in the period post risk assessment and to amend the remediation design. Declan is also preparing a preliminary cost estimate for remediation works and carrying out the EPA registration process for the historic landfill site. Declan is assisting Carlow County Council to surrender the existing waste licence to allow a Certificate of Authorisation application to be made for the site. Declan is responsible for coordinating with the EPA and has undertaken an Independent Closure Audit (ICA) Scoping exercise and subsequent ICA at the site. The ICA is under consideration by the EPA.

- **Unregulated Historical Landfills, Tier 2 & 3 Environmental Risk Assessment Site Investigation, Certificate of Authorisation Application, Tipperary County Council, Ongoing**

Declan is responsible for overseeing the undertaking of Tier 2 and Tier 3 environmental risk assessments, AA Screening, EIA Screening and Certificate of Authorisation applications for 9 no. unregulated historic landfills at Killeigh, Cahir Abbey, Deansgrove, Kiltillane, Shesheraghascanlan, Bawn, Cooleen, Glencrue and Grange, Co. Tipperary. Declan's role includes review of Tier 1 ERAs, undertaking site visits, preliminary safety and health plan, procuring and management of site investigation contractor, geophysical survey and topographic survey contractors, management of environmental soil and groundwater sample collection and gas monitoring, coordination of third-party laboratory services, preparation of Tier 2 ERA, Tier 3 ERA and Remediation Plan, AA Screening Report, EIA Screening Report and preparation of Certificate of Authorisation applications for each site.

- **Unregulated Historical Landfills, Tier 2 & 3 Environmental Risk Assessment Site Investigation, Certificate of Authorisation Application, Wexford County Council, Ongoing**

Declan is responsible for overseeing the undertaking of Tier 2 and Tier 3 environmental risk assessments, AA Screening and Certificate of Authorisation applications for 3 no. unregulated historic landfills at Gorteen, Lucas Park and Ballykeerogue, Co. Wexford. Declan's role includes review of Tier 1 ERAs, undertaking site visits, preliminary safety and health plan, procuring and management of site investigation contractor, geophysical survey and topographic survey contractors, management of environmental soil and groundwater sample collection and gas monitoring, coordination of third-party laboratory services, preparation of Tier 2 ERA, Tier 3 ERA and Remediation Plan, AA Screening Report, EIA Screening Report and preparation of Certificate of Authorisation applications for each site.

- **Unregulated Historical Landfill, Tier1, Tier 2 & 3 Environmental Risk Assessment Site Investigation, Certificate of Authorisation Application, Monaghan County Council, Ongoing**

Declan is responsible for overseeing the undertaking of Tier 1, Tier 2 and Tier 3 environmental risk assessments, AA Screening and Certificate of Authorisation application for the Tiragarvan unregulated historic landfill in Co. Monaghan. Declan's role has included undertaking a site visit, preparation of preliminary safety and health plan, procurement and management of site investigation contractor, geophysical survey and topographic survey contractors, management of environmental soil, surface water and groundwater sample collection and gas monitoring, coordination of third-party laboratory services, preparation of Tier 1, Tier 2 ERA, Tier 3 ERA and Remediation Plan, AA Screening Report, and preparation of Certificate of Authorisation applications for the site.

- **Unregulated Historical Landfill, Tier 2 & 3 Environmental Risk Assessment Site Investigation, Certificate of Authorisation Application, Galway County Council, Ongoing**

Declan is responsible for overseeing the undertaking of Tier 2 and Tier 3 environmental risk assessments, AA Screening, Natura Impact Statement (NIS) and Certificate of Authorisation application for the Glenamaddy unregulated historic landfill in Co. Galway. Declan's role has included management of surface water and groundwater sample collection and gas monitoring, coordination of third-party laboratory services, preparation of Tier 2 ERA, Tier 3 ERA and Remediation Plan, AA Screening Report, NIS, and preparation of Certificate of Authorisation applications for the site.



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- **Unregulated Historical Landfills, Tier 2 & 3 Environmental Risk Assessment Site Investigation, Certificate of Authorisation Application, Cavan County Council, Ongoing**

Declan is responsible for overseeing the undertaking of Tier 2 and Tier 3 environmental risk assessments, AA Screening and Certificate of Authorisation applications for 3 no. unregulated historic landfills at Dowra, Shercock and Mount Nugent, Co. Cavan. Declan's role includes review of Tier 1 ERAs, preliminary safety and health plan, procuring and management of site investigation contractor, geophysical survey and topographic survey contractors, management of environmental soil, surface water and groundwater sample collection and gas monitoring, coordination of third-party laboratory services, preparation of Tier 2 ERA, Tier 3 ERA and Remediation Plan, AA Screening Report and preparation of Certificate of Authorisation applications for each site.

- **Unregulated Historical Landfill, Tier 3 Environmental Risk Assessment Site Investigation, Certificate of Authorisation Application, Kilkenny County Council, Ongoing**

Declan is responsible for overseeing the undertaking of a Tier 3 environmental risk assessment, AA Screening and Certificate of Authorisation application for the Ballykeoghan unregulated historic landfill in Co. Kilkenny. Declan's role has included management of surface water and groundwater sample collection and gas monitoring, coordination of third-party laboratory services, preparation of Tier 3 ERA and Remediation Plan, AA Screening Report, and preparation of Certificate of Authorisation applications for the site.

- **Retention Planning Application for Solid Recovered Fuel Facility, Corranure, Co. Cavan, Wilton Waste Recycling Ltd., Ongoing**

Declan was responsible for completing a carefully developed and robust retention planning application for Wilton Waste Recycling Ltd. The development was not constructed entirely in accordance with the existing planning permission. It was necessary to regularise the site to enable expansion and intensification of the facility. Declan, as Project Manager, coordinated the preparation of a robust application to allow for a positive decision. The application was submitted in December 2024 and a decision is pending.

- **Metal Recycling Facility, Naas, Co. Kildare, Wilton Waste Scrap Metals Ltd., Ongoing**

FT have been appointed by Wilton Waste Scrap Metals Ltd. to prepare a Planning Application, EIAR and AA for a proposed intensification of a Metal Recycling Facility based in Naas, Co. Kildare. Declan is assigned lead planning application/EIAR coordinator on this project. Declan is responsible for coordinating the design of the proposed facility and for completing the planning application and the EIAR for the proposed development, including the carrying out of various EIAR Chapters. Declan is also responsible for managing stakeholder consultation and coordinating ecological impact assessment and landscape and visual impact assessment required for the project.

- **Surrender of Littleton IPC Licence, Bord na Móna, Ongoing**

Declan submitted an ICA Scoping report to the EPA to surrender the existing IPC licence for peat extraction at the Littleton Group of Bogs. Declan prepared the Scoping Report with regard to the EPA's '*Guidance to Licensees on Surrender, Cessation and Closure of Licensed Sites and Attachment 2: Checklist for Scope for Independent Closure Audit*', which require that the scope of the ICA must have prior written approval by the Agency before being conducted. The Scoping Report was approved by the EPA. Declan is responsible for procurement and management of site investigation contractor at several decommissioned workshops and undertaking the audit to ensure there will no environmental concerns remain once the licence is surrendered.

- **Part 8 Planning Application for Duleek Linear Park, Co. Meath, Meath County Council, Ongoing**

Declan is Project Manager for a Part 8 planning application for Meath County Council. Declan has been responsible for the coordination of the application to include the design scheme, topographic survey, preparation of planning drawings, EIA screening report, planning report, ecological surveys to inform AA Screening Report and Ecological Impact Assessment (EclA).

- **Michael F. Quirke & Sons, Quarry, Ongoing**

FT were appointed by Michael F. Quirke & Sons to prepare a Planning Application, EIAR and NIS for the continuance of use of their existing Killarney Quarry and proposed extension of the existing quarry. Declan is responsible for completing the planning application and the EIAR for the proposed development, including the carrying out of various EIAR Chapters. Declan is also responsible for managing stakeholder consultation and coordinating ecological impact assessment, landscape and visual impact assessment, and cultural heritage impact assessment required for the project. The application will be lodged with Kerry County Council in 2025.



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- **Bord na Móna, Biogas Facility, Ongoing**

FT were appointed by Bord na Móna for their Cúil na Móna Biogas Facility near Portlaoise, Co. Laois to prepare an Industrial Emissions Licence application for submission to the Environmental Protection Agency (EPA). Declan was responsible for coordinating the application responses, including updating the EIAR which was submitted to Laois County Council as part of the planning application. The application is under consideration with the EPA.

- **Killycard and Killycronaghan Historic Landfills, Ongoing**

Declan completed and submitted two Section 177AE planning applications for the Killycard and Killycronaghan Historic Landfill Remediation projects. Declan is responsible for coordinating the completion of various supporting planning and environmental assessment documentation and for planning submission logistics. The Killycronaghan application received planning consent in April 2024. The Killycard application is under consideration with An Bord Pleanála.

- **Unregulated Historical Landfills, Certificates of Authorisation, Independent Closure Audits, Technical Amendments, Kerry County Council, Ongoing**

Declan engaged with the EPA for 4 no. unregulated historic landfills (Coolcalagh, Milltown, Kenmare, Cahersiveen) co-located with licensed sites to determine the best approach for the Certificate of Authorisation (COA) application for the historical landfills. Declan has prepared an Independent Closure Audit (ICA) Scoping Report for Coolcalagh which has been approved by the EPA. The preparation of the ICA is ongoing. ICA Scoping Reports are ongoing for Milltown, Kenmare and Cahersiveen. Upon approval of the ICA for each site, a Technical Amendment application for each historical landfill will be made to remove the historical landfill from the licensed boundary. This will enable a COA application to be made.

- **Unregulated Historical Landfills, Certificates of Authorisation and Section 177AE Planning Applications, Kerry County Council, Ongoing**

Declan has prepared COA applications for 3 no. sites (Sneem, Tralee and Rockfield). Declan managed the completion of surveys for habitats, invasive species, otters, birds, bats and aquatics to support Natura Impact Statements as part of the COA application.

Upon approval of the COAs for each site by the EPA, Section 177AE planning applications will be made to An Bord Pleanála. Declan is currently preparing the EIAR screenings, Construction and Environmental Management Plans and planning applications packs as part of each application.

- **Unnamed Wind Farm, Ongoing**

Declan has undertaken hydrogeological constraint assessments for a number of design iterations for a wind farm. Declan has considered siting of infrastructure including turbine locations, access roads, sub-station, etc. and their impact on the hydrogeological regime, making suggestions if turbines need to be relocated or removed. Subsequent to the design freeze, Declan will organise applicable site investigations required to gather the baseline assessment and assist the preparation of the EIAR chapter to accompany a planning submission.

- **Thorntons Recycling, Material Recovery Facility, Ongoing**

FT were appointed coordinating the completion of an SID Application, EIAR and NIS for a Material Recovery Facility with a capacity to accept 300,000 tonnes per annum of waste to be based at Cappogue, Dublin. Declan was responsible for completing the Soils, Geology and Hydrogeology chapter of the EIAR. Application was lodged with An Bord Pleanála in November 2022. Declan was responsible for the preparation of a response to a Request for Further Information issued by An Bord Pleanála. Declan coordinated the response between the inhouse design team and subcontractors, and was submitted in November 2023. Planning consent was granted in August 2024.

Declan prepared an Industrial Emissions Licence application for submission to the Environmental Protection Agency (EPA). Declan was responsible for coordinating the application responses, including updating the EIAR which was submitted to Laois County Council as part of the planning application. The application was submitted in February 2025 and is currently under consideration by the EPA.

- **Risk Assessment of Brownfield Site for Development, Banduff Road Co. Cork, Miata Ltd. 2025**

Declan was responsible for overseeing the undertaking of a Tier 2/Tier 3 environmental risk assessments in support of a planning application to construct a residential development at a brownfield site. Declan's role included preparation of a gap analysis to inform further site investigation works, management of environmental soil, surface water and groundwater sample collection and gas monitoring, coordination of third-party laboratory services, preparation of a combined Tier 2/Tier 3 ERA and Remediation Plan.



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- **Review of EIAR and AA for the expansion of an Existing Biopharmaceutical Manufacturing Campus, Fingal County Council, 2024**

Project Manager with responsibility for coordinating a multi-disciplinary review of an EIAR and AA for the expansion of a Biopharmaceutical facility based in Damastown, Dublin 11 on behalf of Fingal County. Responsible for managing a sizeable team and coordinating the completion of a thorough EIAR and AA review within a strict deadline. Developed a review approach, methodology and structure that facilitated a concise and highly robust review of an EIAR and AA. The team identified several key gaps in the EIAR and supported drafting an RFI to the applicant to allow for improving the robustness and completeness of the EIAR that accompanied the planning application, having appropriate regard to applicable European and national standards and latest Climate Impact Assessment guidelines.

- **Review of EIARs and AAs for Mixed Use Developments at Cherrywood SDZ, Dún Laoghaire-Rathdown County Council, 2024**

Project Manager with responsibility for coordinating several multi-disciplinary reviews of EIAR for developments of Mixed Use Development at Cherrywood SDZ. Responsible for managing a sizeable team and coordinating the completion of thorough EIAR reviews within a strict deadline. The reviews undertaken also considered proposed development compliance with policy objectives defined for the Cherrywood SDZ. Supported drafting planning conditions to be applied to ensure conformance with applicable environmental protection standards. Applications included developments at: Quintain Plot P7, Quintain Plot T1 Tully Village Centre, Woodbrook, Windy Ridge Lehaunstown Park House, TC3 and TC13.

- **Review of EIAR and AA for Large-scale Residential Developments, Fingal County Council, 2024**

Project Manager with responsibility for coordinating multi-disciplinary reviews of EIARs for developments of Large-scale Residential Development in lands adjacent to Howth Demesne Deer Park, Howth and Maynetown, Portmarnock. Responsible for managing a sizeable team and coordinating the completion of thorough EIAR reviews within strict deadlines. Supported drafting planning conditions to be applied to ensure conformance with applicable environmental protection standards.

- **EIA Screening Report for Soil Importation, 2024**

Declan was responsible for overseeing the preparation of an EIA Screening Report requested by Cork County Council as part of a Request for Further Information. The planning application was for the importation of clean inert soil and stone for the raising of an agricultural field in order to improve the agricultural output of the field. The screening report was completed with consideration for Schedules 5 and 7 of the Planning and Development Regulations (2001, as amended).

- **Unregulated Historical Landfill, Tier 2 & 3 Environmental Risk Assessment Site Investigation, Certificate of Authorisation Application, Monaghan County Council, 2024**

Declan was responsible for overseeing the undertaking of Tier 2 and Tier 3 environmental risk assessments, AA Screening and Certificate of Authorisation application for the Corkeeran unregulated historic landfill in Co. Monaghan. Declan's role included undertaking a site visit, preparation of preliminary safety and health plan, procurement and management of site investigation contractor, geophysical survey and topographic survey contractors, management of environmental soil, surface water and groundwater sample collection and gas monitoring, coordination of third-party laboratory services, preparation of Tier 1, Tier 2 ERA, Tier 3 ERA and Remediation Plan, AA Screening Report, and preparation of Certificate of Authorisation applications for the site.

- **Waste Acceptance Criteria (WAC) Analysis and Waste Classification for Rathcabbin Remediation Works, Tipperary County Council, 2024**

Declan completed an assessment of waste soil samples collected at a disused composting facility to confirm the most applicable disposal location of the material. Declan assessed the results against the Waste Acceptance Criteria thresholds. Declan also completed a waste classification using the web based HazWasteOnline™ waste classification software, which incorporates the European List of Waste and the Environment Agency Guidance: Technical Guidance WM3 v1.1, Guidance on the Classification and Assessment of Waste, 2018.

- **Walshestown Insert Waste Facility, Independent Closure Audit and Technical Amendment, Walshestown Restoration Limited 2022-2023**

Declan submitted an ICA Scoping report to the EPA to reduce the licensed site boundary. Declan prepared the Scoping Report with regard to the EPA's 'Guidance to Licensees on Surrender, Cessation and Closure of Licensed Sites and Attachment 2: Checklist for Scope for Independent Closure Audit', which require that the scope of the ICA must have prior written approval by the Agency before being conducted. Upon approval of the Scoping Report by the EPA, Declan prepared and submitted the ICA report for the site. Following approval of the ICA, Declan prepared and submitted a technical amendment application. The EPA approved the application in December 2023.



Declan Morrissey

Principal Scientist/Hydrogeologist



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- **Oxygen Environmental, Material Recovery Facility, 2022**

FT were appointed by Oxygen Environmental to prepare a Planning Application, EIAR and NIS for a proposed Material Recovery Facility based in Derryarkin, Co. Offaly. Declan was responsible for completing the Soils, Geology and Hydrogeology chapter of the EIAR. Application was lodged with Offaly County Council in September 2022 with grant of consent received in 2023. The application is currently appealed to An Bord Pleanála.

- **Former Halting Site at Dublin Airport North Runway Project, 2021**

Declan was responsible for undertaking an intrusive site investigation to define and delineate the extent of any potential contamination at a former halting site within the Dublin Airport North Runway Project boundary. Declan completed a waste classification and assessed the results against WAC criteria to determine the most appropriate disposal location.

- **Unregulated Historical Landfills, Certificates of Authorisation, Kerry County Council, 2021**

Declan was responsible for the preparation of the Certificate of Authorisation applications for 6 no. unregulated historic landfills (Lenamore, Ahascra, Listowel, Ardfert, Tralee, Dingle). The applications included the completion of the application form and procurement of supporting documentation (Tier 1, 2 and 3 Risk Assessments, Appropriate Assessment Screening Reports, Qualified Persons documents, ownership details).

- **Unregulated Historical Landfills, Tier 1 Environmental Risk Assessment, Leitrim County Council, 2021**

Declan was responsible for the preparation of Tier 1 environmental risk assessment reports for 6 no. unregulated historic landfills located in Leitrim (Ballinamore, Drumshanbo, Drumkeeran, Kiltyclogher, Whitakers Bridge, Cornstalk).

Work included an initial site walkover and inspection of site conditions and characteristics, comprehensive desk study review of landfill site and surrounding environment, development of a Conceptual Site Model and preparation of a Tier 1 Environmental Risk Assessment report in accordance with the EPA Code of Practice on Environmental Risk Assessment for Unregulated Waste Management.

- **Unregulated Historical Landfills, Certificates of Authorisation, Longford County Council, 2021**

Declan was responsible for the preparation of the Certificate of Authorisation applications for 2 no. unregulated historic landfills (Cartron Big and Ballymulvey). The applications included the completion of the application form and procurement of supporting documentation (Tier 1, 2 and 3 Risk Assessments, Appropriate Assessment Screening Reports, Qualified Persons documents, ownership details).

- **Edenderry Power Plant, 2021**

FT were appointed by Edenderry Power Limited to prepare and submit a Planning Application, an EIAR and an NIS for the continued operation of Edenderry Power Plant from the beginning of 2024 to the end of 2030 exclusively using sustainable biomass fuel. Declan was responsible for completing the Soils and Geology and Scoping and Consultation chapters of the EIAR and coordinating the completion of the EIAR. Grant of planning was received in May 2022.

- **Clonbullogue Ash Repository, 2021**

FT were appointed by Bord na Móna Energy Ltd to prepare and submit a Planning Application, an EIAR and an NIS for the continued operation of Clonbullogue Ash Repository based in Cloncreen, Clonbullogue, Co. Offaly from the beginning of 2024 until the end of 2031. Ash from Edenderry Power Plant is deposited within this ash facility. Declan was responsible for completing the Soils and Geology and Scoping and Consultation chapters of the EIAR and coordinating the completion of the EIAR. Grant of planning was received in May 2022.

- **Annagh Wind Farm, 2021**

Declan provided the hydrogeological input of the Land, Soils and Geology EIAR chapter for the proposed Annagh Wind Farm, Co. Cork. Declan also prepared a response for relevant elements of a Request for Further Information issued by Cork County Council.

- **Unregulated Historical Landfills, Tier 3 Environmental Risk Assessment, Kilkenny County Council, 2020**

Declan was engaged in the preparation of 2 no. Tier 3 quantitative risk assessments on behalf of Kilkenny County Council for unregulated landfill sites located at Skehana and Sevenhouses, Co. Kilkenny. Declan's work involved the review of previous site investigation and monitoring, analysis and interpretation of additional surface water monitoring data, confirmation of potential risks associated with the site and the preparation of an appropriate remediation plan and cost estimates.



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- **Unregulated Historical Landfills, Tier 2 Environmental Risk Assessment Site Investigation, Kilkenny County Council, 2020**
Responsible for the preparation of Tier 2 site investigation design for 2 no. unregulated historic landfills at Talbotsinch and Dungarvan, Co. Kilkenny. Responsibilities included preparing preliminary safety and health plan, procuring and management of site investigation contractor, geophysical survey and topographic survey contractors, management of environmental soil and groundwater sample collection and gas monitoring, coordination of third-party laboratory services.
Declan supervised the excavation of 10 no. trial pits, recorded ground conditions encountered, noted any olfactory evidence of potential contamination and collected soil samples for chemical analysis. Results were compared to waste acceptance criteria to determine suitable facilities for disposal. The management of materials at the site and disposal at suitable facilities were recorded.
- **Bord na Móna Contaminated Land Site Assessments**
Responsible for the preparation of Tier 1 Assessments for 3 no. sites in Cork, Limerick and Sligo, sites investigation design for completion of additional detailed site investigations to fully delineate the extent of potential waste deposition, preliminary safety and health plans, procurement documentation for tender site investigation contractors.
- **Clonbullogue Ash Repository, 2020**
FT were appointed by Bord na Móna Energy Ltd to prepare and submit a Planning Application for the continued operation of Clonbullogue Ash Repository based in Cloncreen, Clonbullogue, Co. Offaly for 2023. Declan was responsible for the compilation of the Planning Support Statement, completing the planning application and completing the statutory notices for the proposed development. Declan was also responsible for compiling, collating and submitting the planning application to Offaly County Council. Planning permission was ultimately secured.
- **Ummeras Wind Farm, 2020**
Prior to joining Fehily Timoney, Declan was project manager and involved in the identification of constraints, scoping, site investigation, preparation of the Lands, Soils and Geology and Hydrology and Hydrogeology chapters for a proposed wind farm. Declan was involved in the completion of surface water sampling at the site and the write-up of the Surface Water Management Plan.
- **Derryadd Wind Farm, 2019**
Declan acted as expert witness in relation to the oral hearing as part the Bord na Móna Derryadd Wind Farm in Co. Longford. The role involved review of existing hydrological and hydrogeological information, production of a précis of evidence and acting as expert witness for the arbitration hearing.
- **Trascan Solar Farm, 2019**
Declan assisted as Project Manager for the Trascan Solar Farm Project Planning Application. Key responsibilities included managing the TOBIN team and sub-consultants, directly liaising with the client and landowner, consulting with the Planning Department and the Development Applications Unit (DAU), writing sections of and reviewing the Planning and Environmental Considerations Reports, reviewing GIS mapping and Planning Application drawings, completing the Planning Application forms, fee calculations, and newspaper and site notices, and submitting the final application to the County Council.
- **Water Supply, 2019**
Task lead for groundwater supply projects at Thomastown, Co. Kilkenny and Ballylooby, Co. Tipperary involving desk-based research, pumping well design, site supervision, data analysis, licence application and liaising with statutory consultees.
- **Grassy Mountain Coal Project, 2017**
Declan provided hydrological, geological and hydrogeological technical input while undertaking an assessment at the Grassy Mountain Coal Project in Southern Alberta, Canada.
- **West Edmonton Landfill Expansion Application, Alberta, Canada, 2017**
Responsible for managing the environmental assessment for the expansion of the landfill, including site investigation design, preparing preliminary safety and health plan, procuring and management of site investigation contractor, geophysical survey and topographic survey contractors, management of environmental soil and groundwater sample collection, coordination of third party laboratory services, interpretation of results, and preparation of report in support of the application required under the Environmental Protection and Enhancement Act (EPEA).
- **Wainwright Landfill Expansion Application, Alberta, Canada, 2016**
Responsible for managing the environmental assessment for the expansion of the landfill, including site investigation design, preparing preliminary safety and health plan, procuring and management of site investigation contractor, geophysical survey and topographic survey contractors, management of environmental soil and groundwater sample collection, coordination of third party laboratory services, interpretation of results, and preparation of report in support of the application required under EPEA.



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- **Thorhild Landfill Expansion Application, Alberta, Canada, 2015**

Responsible for managing the environmental assessment for the expansion of the landfill, including site investigation design, preparing preliminary safety and health plan, procuring and management of site investigation contractor, geophysical survey and topographic survey contractors, management of environmental soil and groundwater sample collection, coordination of third party laboratory services, interpretation of results, and preparation of report in support of the application required under EPEA.

- **River and Lake Monitoring Programme, 2011/2012**

Declan was involved in the monitoring of lakes and rivers across Ireland for the Environmental Protection Agency (EPA) as part of the European Union Water Framework Directive (WFD). The role involved applying best practice methods for the monitoring and sampling of surface waters selected by the EPA. Surface waters were monitored for chemical and physical parameters including, nutrients, dissolved oxygen, temperature, colour, cloudiness and water clarity. Lakes were also monitored for plants and animals, including phytoplankton, and water levels. Lakes samples were collected from both the lake shore and at various points on the lake, which required the use of a boat to access monitoring points. Samples and monitoring data were delivered to EPA labs for analysis.

- **Surface Water Management at Mining Facilities, 2017**

Declan was responsible for the management of surface water dewatering operations at the Coal Valley Coal Mine and Total Joslyn oil sands project in northern Alberta, Canada. The projects involved the management of dewatering activities to ensure that surface water released off-site to watercourses were within regulatory and licence limits. Declan also assisted in providing technical input, liaising with clients, regular surface water monitoring and weekly, monthly and annual reporting.

- **Groundwater and Surface Water Monitoring Programme Design, 2019**

Declan was responsible for the establishment of surface water and groundwater monitoring programmes at a number of Stream Assisted Gravity Drainage (SAGD) facilities prior to their construction in Northern Alberta, Canada. The work included a review of the proposed facility layout to identify sources and contaminants of potential concern, the completion of a site investigation to identify potential pathways and a site walkover to establish potential receptors. The draft programme was reviewed by the project manager and client, with final submission to the regulator for approval. Once the monitoring programme was approved, this was subject to the conditions of the specific operational licence.

- **Groundwater and Surface Water Monitoring, 2019**

Declan has completed an extensive number of surface water and groundwater monitoring programmes in Ireland and Canada, including in landfills, quarries, pharmaceutical facilities, mines, oil and gas facilities, applying industry approved sampling and monitoring techniques.

Field preparation consisted of reviewing monitoring plans/programmes and previous monitoring reports for recommendations for alternations to monitoring plans/programmes, discussions with project managers, clients and stakeholders via various mediums (phone, video-conferencing, email) for site information and access, communication with laboratories and equipment companies for monitoring and sampling containers and equipment.

Monitoring consisted of collecting biological and chemical samples in approved containers using industry accepted methods, recording of field parameters including pH, temperature and dissolved oxygen. Post-monitoring, storage of samples during transport, delivery of samples to laboratory and submitting same with Chain of Custody with required holding times. Field notes were uploaded to the project file and a summary of the works was submitted to the project manager and client, identifying any issues during the work, lessons learned and improvements for the following monitoring events. Once the laboratory results were received, the data was subject to the process of quality control and quality assurance by comparing the results of field blanks, trip blanks and duplicates. If anomalies were identified, the laboratory were contacted and if necessary, the sample was reanalysed for the parameter(s) of concern. Once the laboratory results were identified to be satisfactory, the data was inputted to the appropriate database for extraction in various formats for analysis, reporting and mapping.



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- **Groundwater and Surface Water Monitoring Reporting, 2019**

Declan possess strong reporting skills and has completed numerous monitoring reports for landfills, quarries, pharmaceutical facilities, mines, oil and gas facilities, both in Ireland and Canada, illustrating the ability to identify the applicable policy, legislation, guidance and limits for the specific monitoring programme. Reporting typically followed the Introduction, Methodology, Results, Interpretation/Discussion, Recommendations and Conclusion format but were altered where necessary. Reporting also required the analysis of data against the relevant limits and identification of parameters in exceedance of same limits. Data was compared, where possible to the previous data to identify any potential trends. Mann-Kendal trend analysis was calculated on data to statistically identify upward or downward trends. Modelling software was utilised to determine the extent of contamination, if applicable to aid in identifying the source of contamination and receptors for future assessments. Reports also contained figures and maps to illustrate the results and aid in the visual interpretation of the results. Draft reports were reviewed by a senior reviewer and subsequently the client for comment. Once all the comments were satisfactorily addressed, the report was finalised and submitted to the appropriate regulator/stakeholder.

- **Gortadroma Landfill, Limerick Environmental Monitoring, 2012**

Responsible for bi-monthly, monthly, quarterly and annual monitoring of the landfill which included groundwater monitoring and sampling, surface water and leachate sampling.

Jovanna Arndt, BSc Env Sci, PhD, AMIAQM, AMIEnvSc

Senior Consultant — AWN Consulting, A Trinity Consultants Team, Ireland

AREAS OF SPECIALIZATION

- ▶ Senior Air Quality Consultant at AWN Consulting.
- ▶ Over 8 years of Experience in the assessment and reporting of air quality and climate impacts associated with industrial and infrastructural projects.
- ▶ Extensive experience in air dispersion modelling for Industrial Emissions (IE) licence applications to the EPA.
- ▶ Detailed knowledge of air quality standards, air dispersion modelling guidance and impact assessment methods.
- ▶ Detailed knowledge of TII published Air Quality and Climate Guidance and Standards (PE-ENV-01104, PE-ENV-01105, PE-ENV-01106, PE-ENV-01107, GE-ENV-01106 and GE-ENV-01107).
- ▶ Detailed knowledge of EPA Air Quality Guidance Notes AG4 "Air Dispersion Modelling from Industrial Installations" and AG9 "Odour Emissions Guidance Note"
- ▶ Experience in use of emissions inventories and tools, including TII Carbon Emissions Tool, TII Roads Emissions Model (REM), CERC-ADMS, OneClick LCA Carbon Designer Tool Ireland, and various other carbon tools.
- ▶ Extensive experience in the use of software packages such as AERSCREEN, AERMOD, TANKS for the air quality assessments of major infrastructural and industrial projects.
- ▶ Extensive experience in the presentation of technical information in the written form.

SUMMARY OF EXPERIENCE

Senior Environmental Consultant with the responsibility for Air Quality and Climate impact assessments.

Preparation of Air Quality and Climate assessments (baseline monitoring, technical assessments and chapter) for numerous EIARs.

Experience in air dispersion modelling using USEPA approved AERMOD software, modelling projects include data centre developments and thermal plume assessments for aircraft safety, EPA IE licence applications and various EIA reports.

Project types include commercial, residential, large infrastructure including road, greenway and active travel schemes, data centres, industrial facilities including pharmaceutical, chemical, food production, energy centres, quarries, distilleries, anaerobic digestors, WwTP, as well as renewable energy developments such as wind (onshore and offshore), solar and battery storage farms.

EDUCATION

BSc Environmental Science, University College Cork
PhD in Atmospheric Chemistry, University College Cork

AFFILIATIONS

Associate Member of the Institution of Environmental Sciences (AMIEnvSc)
Associate Member of the Institute of Air Quality Management (AMIAQM)

TECHNICAL EXPERTISE

Air Dispersion Modelling of Data Centres

Lead expert on numerous data centre projects at Environmental Impact Assessment (EIA) stage and Industrial Emissions (IE) licensing stage. This included air dispersion modelling, using AERMOD software, of emissions from standby generator sets including specification of appropriate stack heights and allowable run hours to ensure compliance with the Ambient Air Quality Standards. Assessments included detailed dispersion modelling of cumulative impacts due to significant number of data centres and other industrial emission sources in the vicinity.

Industrial Emissions Licensing

Primary air quality expert undertaking detailed air dispersion modelling using AERMOD software for a range of industrial clients including pharmaceutical, data centre, energy and chemical sites. Projects included completing dispersion modelling of various pollutants including odour emissions and writing detailed technical results for submission to the Environmental Protection Agency (EPA) as part of the IE licence application process. This also included advising clients of applicable emission limit values to ensure compliance with legislation and Ambient Air Quality Standards.

Residential and Commercial Developments

Lead expert in the preparation of air quality and climate EIAR chapters for various residential and commercial developments throughout Ireland. Air quality assessments included construction dust assessments and assessment of traffic emissions. Construction dust assessments were conducted using the Institute of Air Quality Management (IAQM) approach outlined in *Guidance on the Assessment of Dust from Demolition and Construction* (2024) to assess the risk of dust impacts from construction works and the recommended mitigation measures required for the project to ensure no significant impacts occurred. Air dispersion modelling of traffic emissions was carried out using the Transport Infrastructure Ireland (TII) Road Emissions Model (REM) online calculator tool. Climate impact assessments included quantification of greenhouse gas (GHG) emissions associated with the development over its lifecycle from construction through to operational phase using a variety of online calculator tools. Climate change vulnerability assessments were also included to identify the vulnerability of the proposed project to future climate change hazards.

Renewable Energy Developments

Air quality and climate technical lead for a number of renewable energy developments and grid connections at EIA planning stage. Assessments included determining the risk of construction dust emissions, the impact of traffic emissions on air quality, the benefit to climate due to the production of renewable electricity and the potential vulnerability of the projects to climate change.

Transportation Schemes

Air quality and climate technical lead for road scheme developments throughout Ireland. This involved assessments of proposed road schemes from Constraints stage, through to Route Selection and EIA planning stage. Assessments were undertaken in line with the TII guidance documents PE-ENV-01106, PE-ENV-01107, PE-ENV-01104 and PE-ENV-01105. Additionally an air quality consultant for Clean Air Zone feasibility studies and major rail infrastructure in the UK, and provided Air Quality Action Plan (AQAP) and Air Quality Management Area (AQMA) support to several UK councils, in line with DEFRA, JAQU and DMRB guidance.

PUBLICATIONS AND PRESENTATIONS

Arndt, J., Sciare, J., Mallet, M., Roberts, G. C., Marchand, N., Sartelet, K., Sellegri, K., Dulac, F., Healy, R. M., and Wenger, J. C.: Sources and mixing state of summertime background aerosol in the north-western Mediterranean basin, *Atmos. Chem. Phys.*, 17, 6975–7001, <https://doi.org/10.5194/acp-17-6975-2017>, 2017.

J. Arndt, K. Deboudt, A. Anderson, A. Blondel, S. Eliet, P. Flament, M. Fourmentin, R.M. Healy, V. Savary, A. Setyan, J.C. Wenger. Scanning electron microscopy-energy dispersive X-ray spectrometry (SEM-EDX) and aerosol time-of-flight mass spectrometry (ATOFMS) single particle analysis of metallurgy plant emissions, *Environmental Pollution*, Volume 210, 2016, Pages 9-17, ISSN 0269-7491, <https://doi.org/10.1016/j.envpol.2015.11.019>.

EMPLOYMENT HISTORY

| | |
|----------------|--|
| 2017 – 2020 | AECOM – Air Quality Consultant |
| 2020 – Present | AWN Consulting – Senior Environmental Consultant |



John Cullen

Senior Project Acoustic Engineer



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Profile

John is a Senior Project Acoustic Engineer with Fehily Timoney & Company. He holds a BAgSc in Agri-Environmental Science from University College Dublin, a P.Grad.Dip in Environmental Engineering from Trinity College Dublin and a Diploma in Acoustics and Noise Control from the Institute of Acoustics, receiving the award for "Best Performing Irish Student" from the Institute of Acoustics. He is a member of the Institute of Acoustics and the Institute of Engineers Ireland.

John has gained experience in the delivery of Environmental Impact Assessment Report Noise & Vibration Chapters for a wide range of developments, including proposed waste facilities, wind farms and solar farms, anaerobic digestion plants, proposed road projects and residential & industrial developments.

He has extensive experience in carrying out environmental noise surveys and assessments on behalf of a wide range of clients. He has completed noise monitoring programmes, computational noise models and noise impact assessments for a wide range of projects on behalf of public and private sector clients. He has carried out in-situ acoustic measurements of road noise barriers to determine acoustic performance throughout Ireland, including sound reflection (EN 1793-5) and airborne sound insulation (EN 1793-6).

John has carried out occupational noise and hand-arm/whole body vibration risk assessments in accordance with the requirements of the Irish & UK workplace noise & vibration regulations. He has also acted as Lead Acoustic Consultant carrying out sound insulation tests and building acoustics assessments for a range of commercial and residential developments in Ireland, the UK and Europe.

Previous Experience Essentials For This Project

- **Fehily Timoney and Company, 2022 – Ongoing**
John is a Senior Project Acoustic Engineer with experience working as part of the Waste and Environmental Team delivering Environmental Impact Assessment Reports (EIARs), environmental management plans and licence applications/compliance.
John has experience in the delivery of Environmental Impact Assessment Reports for a wide range of developments, completing computational noise models and noise impact assessments for proposed developments, and carrying out in-situ acoustic measurements of motorway noise barriers throughout Ireland.
- **Self Employed – Environmental & Acoustic Consultant, April 2021 – 2022**
Carrying out subcontract acoustic & environmental consultancy services including environmental noise monitoring & assessments, noise impact assessments, occupational noise & vibration assessments, sound insulation testing and building acoustics assessments. Environmental consultancy services including air quality assessments, bund integrity assessments, and verification audits for the Bord Bia 'Origin Green' sustainability programme.
- **Environmental Efficiency Consultants, Bray, January 2016 – April 2021**
John was an Environmental & Acoustic Consultant providing environmental consultancy services to clients across a wide range of sectors, including industrial, pharmaceutical, construction/quarrying and agri-food/drink. He was working as part of a multi-disciplinary team delivering environmental reports, management plans, impact assessments, licence/permit applications and environmental compliance

Key Information

Qualifications

Diploma in Acoustics and Noise Control, Institute of Acoustics via Trinity College Dublin
2019 – 2020

Post Graduate Diploma in Environmental Engineering (NFQ Level 9) (P.Grad.Dip), Trinity College Dublin
2014 – 2015

Agri-Environmental Science (NFQ Level 8) (BAgSc)
University College Dublin
2009 – 2013

Professional Memberships

Institute of Engineers Ireland (MIEI)
Institute of Acoustics (AMIOA)
Institute of Environmental Sciences (MIEnvSc)

Employment History

2022- Present

Fehily Timoney & Company
Senior Project Acoustic Engineer

2021- 2022

Self-employed Environmental & Acoustic Consultant

2016- 2021

Environmental Efficiency Consultants
Environmental & Acoustic Consultant

2015 - 2016

Philip Farrelly & Co.
Agri-Environmental Consultant

2014 - 2015

Verde Environmental Group
Environmental Operative



John Cullen

Senior Project Acoustic Engineer



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consultancy. Working across various areas of environmental consultancy, specialising in noise & acoustics. His role involved developing project proposals & quotations, project management, research, carrying out and coordinating environmental monitoring & field surveys (Air quality, biodiversity, bunds, noise, vibration & water), liaising with sub-contractors and regulatory bodies, interpreting monitoring results & data, and technical report writing. Other duties included completing verification audits for the Bord Bia 'Origin Green' sustainability programme, carrying out occupational air, noise & vibration risk assessments, and indoor air quality assessments.

- **Philip Farrelly & Co., Balbriggan, March 2015 – January 2016**

John was an Agri-Environmental Consultant providing technical agri-environmental advisory services to clients. He was also responsible for soil sampling & analysis, nitrates & nutrient management planning, ecological field surveys, and agri-environmental scheme consultancy.

- **Verdé Environmental Group, Kilcoole, January 2014 – March 2015**

John was an Environmental Operative responsible for contaminated site investigation, drilling works, environmental monitoring (soil, water & air), site remediation and groundworks, and installing/maintaining on-site remediation systems.



EMPLOYEE PROFILE

| | |
|-----------------------|--|
| Name | Julian Keenan (Project Lead Specialist) |
| Qualifications | Degree Civil Engineering BE (Hons) University College Galway (1990) BTech Highways & Transportation Engineering Diploma Quality Assurance to BS5950 MIEI, MCHIT |
| Position | Director |

Trafficwise is a firm of consulting engineers specialising in traffic and transportation planning and geometric roads design. Julian Keenan is a director of Trafficwise Limited and holds a degree in civil engineering, a Bachelor of Engineering (Hons.) obtained from University College, Galway, in 1990. He is a member of the Institution of Engineers of Ireland and a member of the Chartered Institution of Highways and Transportation. He has over 30 years engineering experience, including approximately seven years in local government in the United Kingdom and over 23 years of private engineering consultancy services in Ireland, of which 18 years are with Trafficwise Limited. He has specialised in roads design and traffic and transportation planning for approximately 25 years.

Julian Keenan's consultancy experience includes advising clients in relation to road schemes, residential, commercial, industrial and leisure developments for which the key work involves provision of professional services in the design and appraisal of schemes, including the preparation of planning applications and appeals. He has represented clients at An Bord Pleanála oral hearings for commercial development, strategic infrastructure development and represented landowners and stakeholders in relation to various road schemes and infrastructural works. He has given sworn evidence before the Property Arbitrator, including in relation to road schemes, and has provided expert witness testimony in the High Court.

Appendix A

Sample Waste Industry Project Experience

| Project Client Status | WASTE/ENERGY INDUSTRY PROJECTS Brief Description of Commission |
|--|--|
| <p>KTK Landfill Site Kilcullen, Co Kildare Client: KTK Sand & Gravel/Celtic Waste/ Greenstar Ltd. <i>Permission Granted</i> <i>(Operating)</i> <i>Project Value €88M</i></p> | <p>Engineered Landfill Development (2002) Preparation of Transport Assessment for EIS. Preparation of Preliminary and Later Detailed Geometric Roads and Access Layouts. Weighbridge/Waste Inspection Area/Concrete Slab Design Traffic Management Advice and Adhoc Consultation re: Roads and Traffic Matters during Construction</p> |
| <p>Knockharley Landfill Site Nr. Kentstown, Co Meath Client: Greenstar Ltd <i>Permission Granted - An Bord Pleanála</i> <i>(Operating)</i> <i>Project Value €120M</i></p> | <p>Engineered Landfill Development (2002, 2004,2014,2019,2021) Preparation of Transport Assessment for EIS. Preparation of Geometric Roads and Access Layouts from National Primary Road. Road Safety Audit, Design of Access Road and Underpass Traffic Management Advice and Adhoc Consultation re: Roads and Traffic Matters during Construction Expert Representation at An Bord Pleanála Orla Hearing(s) Application to An Bord Pleanála for Strategic Infrastructure Development Permitted 2021</p> |
| <p>Waste Transfer and Recovery Facility Beauparc, Rathdrinagh, Co Meath Client: Panda Waste Limited <i>Permission Granted</i> <i>(Operating)</i></p> | <p>Waste Recovery Facility (2004, 2014, 2017) Preparation of Transport Assessment for EIS Design of Proposed Access Arrangements and Assessment of Internal Vehicular Operation</p> |
| <p>Ballynagran Residual Landfill Ballynagran, Coolbeg, Co Wicklow Client: Greenstar Ltd. <i>Permission Granted</i> <i>(Operating)</i> <i>Project Value €120M</i></p> | <p>Engineered Landfill Development (2004) Preparation of Transport Assessment for EIS Preparation of Preliminary Geometric Roads and Access Layouts. Preliminary Design of Access Road and M11 Overpass/Interchange Traffic Management Advice and Adhoc Consultation re: Roads and Traffic Matters during Construction</p> |
| <p>Fassaroe Waste Transfer Facility Bray, Co Wicklow Former Noble Waste Management Facility Client: Greenstar Ltd. <i>Permission Granted</i> <i>(Operating)</i></p> | <p>Waste Recovery Facility (2005) Preparation of Detailed Geometric Roads, Access and Facility Layouts. Layout of Compactor Access, Design of; Disposal Area, Transfer Buildings, Site Drainage, Car Park, Access Road, Weighbridge, Wheel-Wash and Civic Amenity Bring Centre (Refurbishment of Existing Site)</p> |
| <p>East Galway Residual Landfill Nr. Kilconnell, Co Galway Client: Greenstar Ltd. <i>Permission Granted – ABP - (Closed)</i> <i>Project Value €120M</i></p> | <p>Engineered Landfill Development (2002) Preparation of Transport Assessment for EIS Preparation of Preliminary Geometric Roads and Access Layouts Preparation of Detailed Roads Layout Arrangements 12km Road Improvement Expert Representation at An Bord Pleanála Orla Hearing</p> |
| <p>Ballycoolin Materials Recovery Facility Cappagh Road, Fingal, Co Dublin Client: Panda Waste Limited <i>Permission Granted - (Operating)</i> <i>Project Value €50M</i></p> | <p>Waste Recovery Facility (2007) Preparation of Transport Assessment for EIS. Preparation of Preliminary Geometric Roads and Access Layouts. Facility Layout Design</p> |
| <p>KTK Land Restoration Project (Inert) Ballymore Eustace, Co Kildare Client: KTK Sand & Gravel <i>Permission Granted - (Exhausted)</i></p> | <p>Land Restoration Project (2007) Preparation of Transport Assessment for EIS Preparation of Preliminary and Later Detailed Geometric Roads and Access Layouts including Safety Appraisal</p> |

| | |
|--|--|
| <p>Millennium Business Park, Ballycoolin Materials Recovery Facility Cappagh Road, Fingal, Co Dublin Client: Greenstar Limited <i>Permission Granted - (Operating)</i> <i>Project Value €50M</i></p> | <p>Waste Recovery Facility (2007) Preparation of Transport Assessment for EIS. Preparation of Preliminary Geometric Roads and Access Layouts. Facility Layout Design</p> |
| <p>Landfill Development Brownfield, Donard, Co Wicklow Client: ERML <i>Permission Refused</i></p> | <p>Engineered Landfill Development (2006) Preparation of Transport Assessment for EIS Preparation of Detailed Geometric Roads and Access Layouts.</p> |
| <p>Waste to Energy Facility, Nr Kilworth Project Vale, between Mitchellstown & Kilworth Client: Bioverda <i>Permission Refused</i></p> | <p>450,000t/a Anaerobic Digestion Plant (2006) Preparation of Transport Assessment for EIS. Preparation of Detailed Geometric Roads and Access Layouts. Facility Layout Design Representation at An Bord Pleanála Oral Hearing</p> |
| <p>Landfill Development Usk, Kilcullen, Co Kildare Client: Greenstar</p> | <p>Engineered Landfill Development (2007) Preparation of Detailed Geometric Roads and Access Layouts requested by An Bord Pleanála (Designs and proposals accepted by Board). Approximately 3km of road improvement works together with junction improvements. Representation at An Bord Pleanála Orla Hearing No.2</p> |
| <p>Calf Field Residual Landfill Ballynadrummy, Nr Longwood Client: Thornton <i>Permission Refused – An Bord Pleanála</i></p> | <p>Engineered Landfill Development (2007) <u>Did not prepare</u> Transport Assessment for EIS Preparation of Preliminary Geometric Roads and Access Layouts Preparation of Detailed Roads Layout Arrangements Representation at An Bord Pleanála Orla Hearing</p> |
| <p>Waste to Energy Facility Huntstown Power, Huntstown Quarry Client: Energia <i>Facility Under Construction</i> <i>Project Value €70M</i></p> | <p>Anaerobic Digestion Plant (2012) Preparation of Transport Assessment for EIS. Preparation of Detailed Geometric Roads and Access Layouts. Facility Layout Design</p> |
| <p>Waste to Energy Facility Little Island Cork Client: Stream BioEnergy <i>Facility Under Construction</i> <i>Project Value €50M</i></p> | <p>Anaerobic Digestion Plant (2012) Preparation of Transport Assessment for EIS. Preparation of Detailed Geometric Roads and Access Layouts. Facility Layout Design</p> |
| <p>Waste to Energy Facility Ballymena, Co. Antrim Client: Stream BioEnergy <i>Permission Granted - (Operating)</i> <i>Project Value €50M</i></p> | <p>Anaerobic Digestion Plant (2012) Preparation of Transport Assessment for EIS. Preparation of Detailed Geometric Roads and Access Layouts.</p> |
| <p>JV of Various Meat Industry Rosegreen, Nr Cashel Client: JV <i>Permission Refused at ABP</i></p> | <p>Development of Anaerobic Digestion Plant at Existing Rendering Plant adjacent to the Coolmore Stud (2006) Preparation of Transport Assessment for EIS Preparation of Preliminary and Later Detailed Geometric Roads and Access Representation at Oral Hearing</p> |
| <p>Oweninny Wind Farm Carrickmacross, Mayo Client: ESB & Bord Na Mona <i>Permission Granted – (Under Construction)</i> <i>Project Value €800M</i></p> | <p>Wind Farm Development Preparation of Scheme and Assessment of Development Impacts (2015) Presentation of Expert Evidence to Oral Hearing Cross-examination of Planning Authority.</p> |



Paul Nolan

Senior Project Scientist



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Profile

Paul holds a Bachelor of Science in Environmental Science from the University of Limerick. He has 9 years of experience in the field of Environmental Science/Management. Paul has considerable knowledge with vast experience in the areas of energy, water, waste management and environmental compliance and monitoring. He is currently a Senior Principal Scientist with Fehily Timoney and Company.

Key Skills

Paul's key skills include:

- Report Writing
- Data Analysis
- Project Management
- Process Improvement
- Water Stewardship
- Lean Business Management

Previous Experience Essentials for this Project

- **Waste Management Plans, 2023 - 2025**
Paul was responsible as the team leader on planning compliance reporting including the preparation of Operational Waste Management Plans (OWMPs), Construction Environmental Management Plans (CEMPs) and Resource Waste Management Plans (RWMPs) for clients involved in large scale projects such as residential and commercial developments. This involved regular collaboration with the Ecology and Environmental Impact Assessment teams on planning reports, responding to planning conditions and requests for information, and client engagement through regular calls/emails and updates on progress.
- **Waste Management and Compliance, Key Industry Waste Companies, 2022 - 2025**
Paul was responsible for providing expertise in waste management and compliance for waste companies that included Civic Amenity Sites, Hazardous Waste Facilities and a Composting Facility. Paul was responsible for being the primary contact for the waste composting facility. Compliance work involved dealings with the EPA, site visits, internal audits, requests for approval with the EPA, Eden Portal management, Licence Technical Amendment work, preparing and completing annual environmental reports (AER) and environmental performance reporting (EPR) for these companies. Paul has on worked on EPA Licence applications, waste facility permit applications and waste collection permit applications for waste sites.
- **Odour Assessments, EPA and Local Authorities, 2022 -2025**
Paul was an appointed person by the EPA and Local Authorities for carrying out odour impact assessments as part of Air Guidance Note 5 (AG5) at specified sites where odour complaints had been received. The assessment involved the completion of the odour impact field record sheet based on odour assessment locations, wind direction, source and sensitive receptors. Odour assessments involved a site visit to the source when a non-compliant odour was detected offsite, with all findings recorded on the field sheet including any details if the odour was matched onsite.

Key Information

Qualifications

Bachelor of Science in Environmental Science, University of Limerick
2014

Employment History

2025 – Present

Fehily Timoney & Company
Senior Project Scientist

2022 – 2025

Enviroguide Consulting / DNV
Environmental & Waste Management
Specialist

2016 – 2022

ABP Slaney
Environmental & Sustainability
Manager

2015 – 2016

ABP Slaney
Lab Technician

2014 – 2015

ABP Slaney
General Operative

2013 – 2014

Carlow County Council
Water Services Department
Technician



Paul Nolan
Senior Project Scientist

- **Repak Auditor and Trainer, 2022 -2025**

Authorised auditor and trainer for Repak under the EU's Extended Producer Responsibility Scheme for packaging and packaging waste. Paul carried out numerous training sessions with companies who had producer responsibilities and were in the process of becoming a joining member of Repak. Training involved a presentation on Microsoft Teams, or a site visit to discuss the packaging and packaging waste they placed onto the Irish Market. Packaging assessments were carried out on site where required. As a Repak Auditor, Paul carried audits both on MS Teams and onsite to verify the tonnes of packaging being reported by the Repak member during a reporting period and whether they were compliant with their reporting obligations.

- **Vehicle Refinishing Inspector, 2022 – 2025**

Paul was authorised as an approved assessor for the EPA under the EU regulations for vehicle refinishing products and activities. Paul carried out numerous onsite inspections at vehicle garages to ensure compliance with the emissions of volatile organic compounds (VOC's). Inspections were carried out at garages to renew their Certificate of Compliance from their local authority or at garages for first time inspections to obtain a cert of compliance.

- **EPA's ODS and F-Gas Inspection Campaign, 2023**

Paul was the Project Manager for the EPA's ODS and F-Gas inspection campaign in 2023 focusing on compliance with the ODS and F-Gas regulations. The project involved the undertaking of 52 inspections on various businesses with F-Gas containing equipment, which included End User's (e.g. Hospitals, Supermarkets, Hotels), Contractors involved in the installation, servicing, maintenance and decommissioning of equipment containing these substances, and Garages involved in the servicing of air conditioning in vehicles. Paul was responsible for developing a master schedule of contractors/businesses to contact and inspect in the Galway and Dublin regions. Paul was the inspector for these audits which were conducted as per the EPA's guidelines and the completion of their compliance record forms. The inspections involved examining handling and service records, training records for those involved and inspection of equipment used or in use at the various sites. All non-compliances were recorded and reported to the EPA, while also informing the businesses of their responsibilities regarding the regulations during audit closing meetings.

- **ISO Management Systems, ABP Slaney, 2016 - 2022**

Paul was responsible for the implementation and upkeep of the ISO 14001 Environmental Management System (EMS) and the ISO 50001 Energy Management System on site. This involved the management of Standard Operating Procedures and Record Forms covering all areas of the site, environmental aspects and impacts, objectives and targets, competence, training and awareness, communication of the EMS internally and externally, emergency response and management reviews.

- **EPA IE Licence Management, ABP, 2016 - 2022**

Paul was responsible for ensuring environmental compliance with the sites Industrial Emissions (IE) Licence. This involved day-to-day management and control of the Licence, annual environmental reporting, compliance with Emission limits values (ELV's) for wastewater, surface water, air and noise, handling of complaints, dealing with non-conformances and putting in place corrective and preventative actions. Paul was the site representative for all EPA audits and site visits along with control of the Eden Portal.

- **Origin Green Programme, ABP Slaney, 2016 - 2022**

Paul was responsible for managing the Origin Green Sustainability Programme at the site by setting and achieving measurable sustainability targets across areas such as raw material sourcing, manufacturing processes and social sustainability. The work involved in this project included monitoring and reporting on progress against the objectives and key performance indicators (KPI's) set out. Engagement with key stakeholders to help achieve the targets. Report writing on the annual sustainability plan for submission and approval. Paul was also responsible for developing a new plan during this period, setting out a new five-year sustainability plan with targets set from a baseline year. The site achieved Origin Green Gold Membership for three consecutive years from 2020 – 2022 for demonstrating the highest standards of environmental performance across all areas of the business.

- **Chemistry Lab Analyst, ABP Slaney, 2016 - 2022**

Paul was responsible for the chemistry analysis carried out at the onsite laboratory for both wastewater and surface water samples. Parameters tested included PH, temperature, suspended solids, ammonia, total nitrogen, COD and phosphate using a range of lab equipment and techniques to carry out the work.



Paul Nolan

Senior Project Scientist



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- **Water Services Department Technician, Carlow County Council, 2013**

Paul was responsible for the inspection and assessment of water treatment plants, waste and recycling points across the county. Responsible for the collection and lab testing of wastewater treatment plant samples to monitor compliance by recording, documenting and reporting results to senior management.



Eimear Daly

Graduate Scientist



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Profile

Eimear holds a joint international M.Sc. in Global Change: Ecosystem Science and Policy from University College Dublin and Justus Liebig Universität Gießen, and a B.Sc. (Hons) in Zoology and Earth & Ocean Science from University of Galway (then National University of Ireland, Galway).

Before joining FT as a Graduate Scientist in February 2025, Eimear completed an internship with the Circular Economy and Environment team in FT from January to March 2024. She is currently working within the Circular Economy and Environment team in a supporting role. Eimear has been responsible for the research, data analysis, desk-based study and the development of reports since joining FT. She has also aided the preparation of several proposals.

Eimear has experience finalising environmental reports, having aided the completion of SEA and AAs for Local Authority Climate Action Plans, Local Area Plans, County Development Plans and Implementation Strategies. Eimear also has an in-depth knowledge of European and National climate and environmental-related legislation and provides research support in projects related to environmental science, environmental policy and climate policy.

Key Skills

- Research and Report Writing (NIR, AA, SEA and EIAR)
- Water Quality Monitoring
- Scientific Writing
- Geophysical and Ecological Data Analysis (MatLab, R and NetLogo)
- Data Handling and Statistical Analysis
- GIS and Mapping
- Planning and Environmental Research & Evaluation
- Tender/Proposal Preparation

Previous Experience Essentials for this Project

- **SEA and AA Screening of Department of Transport Climate Change Sectoral Adaptation Plan 2025, 2025**
Project support responsible for the completion of SEA and AA Screening Reports of the Draft Plan. Conducted background research of legislative requirements and DOT's remit to inform assessments.
- **SEA and AA Screening for several Local Authority Biodiversity Action Plans, 2025**
Environmental Scientist responsible for the completion of SEA and AA Screening Reports for Draft LABAPs; Meath County Council, Kildare County Council, Leitrim County Council and Tipperary County Council. Responsible for completing environmental impact analyses of proposed objectives and actions for each Plan.
- **EIA Screening of Proposed Residential Development (Various Projects), 2025**
Project support responsible for initial desk-based environmental baseline assessment, client engagement and the preparation of reports to Inform EIA Screening for Cork City Council, South Dublin County Council and Fingal County Council.

Key Information

Qualifications

M.Sc. Global Change: Ecosystem Science and Policy
University College Dublin & Justus Liebig Universität, Gießen
2023 - 2025

B.Sc. (Hons.) Zoology and Earth & Ocean Science,
University of Galway
2019 - 2023

Professional Memberships

Associate Member
The Institution of Environmental Sciences (AMIEEnvSc)

Qualifying Member CIEEM

Employment History

2025 – Present

Fehily Timoney & Company
Graduate Scientist

January 2024 - March 2024

Fehily Timoney & Company
Intern

August 2024 - February 2025

Laytown - Bettystown Golf Club
Food and Beverage Server

August 2019 – March 2024

Mosney Village
Foodhall & Store Assistant

May 2016 – March 2019

Neary's Lusk
Administrative Assistant



Eimear Daly

Graduate Scientist



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- **Knocknaheeny Regeneration Area, Cork City Council, 2025**
Project support responsible for initial desk-based environmental baseline assessment and the preparation of 5 no. reports to Inform EIA Screening for proposed Phases of the [Cork] City Northwest Quarter Regeneration Plan for Cork City Council.
- **Environmental Research Support (Various Projects), 2024 - Ongoing**
Project support aiding with desk-based research of national and European environmental and climate-related policy. This research serves to inform the legislative requirements of Plans and Programmes, and inter-relationships with higher-order Policy, Plans or Programmes.
- **High-Level Position Paper for Dunsink Landfill Development, Fingal County Council, Ongoing**
Project Scientist and Researcher responsible for historical data collation and interpretation (Leachate, Landfill Gas, VOC, Groundwater and Surface Water). Responsible for the preparation and presentation of a high-level Position Paper to the client, detailing ELV exceedance zones and future scenarios, as well as client communication and engagement.
- **PFAS Investigations at Dublin Airport and Cork Airport, Ongoing**
Project support aiding with the collation of site survey logs and data for the preparation of environmental reports. Also provides support with desk-based research for reports.
- **Environmental Monitoring Services at HSE Cork Sites, Ongoing**
Project scientist providing support with laboratory data analysis and review of received reports. Responsible for reviewing and organising effluent data for distribution to clients.
- **Bus Éireann Discharge License Monitoring, Ongoing**
Monitoring technician providing support in carrying out quarterly trade effluent sampling to determine whether final effluent discharges from Bus Éireann wash facilities into sewers are compliant with the emission limit values established in the discharge licenses of each facility. Responsible for the preparation, issue and presentation of quarterly reports to the client.
- **SEA and AA Screenings of the Clare Litter Management Plan, Ongoing**
Project scientist with the responsibility of completing an environmental impact analysis of the proposed objectives in the Plan and for producing Sea and AA Screening Reports for the Management Plan. Conducted background research of legislative requirements and higher-order plans to inform the assessments.
- **SEA and AA Screenings of the DAFM Climate Change Sectoral Adaptation Plan 2025, 2025**
Project scientist with the responsibility of completing environmental impact analyses of the Plan and for producing SEA and AA Screening Reports for the Plan
- **Historical Landfill Site Investigations (Multiple Locations), 2025**
Monitoring Technician responsible for carrying out groundwater well monitoring, leachate monitoring, surface water monitoring and landfill gas monitoring at several historic landfills throughout Ireland; Arthurstown Historic Landfill, Tuam Historic Landfill, Gort Historic Landfill, Tullyvogueen Historic Landfill and Cill Ronain Historic Landfill.
- **Local Authority Climate Action Plans, several Local Authorities, 2024**
Circular Economy and Environment Intern. Provided project support and completed final amendments to the draft assessments for publication by the clients. Regularly communicated with representatives of Local Authorities to ensure quality communication and efficiency.
- **M.Sc. Thesis, 2024**
Investigating the Influence of Tidal Inundation on Energy Fluxes and Energy Dissipation in an Irish Saltmarsh: A Case Study of Water-Table Depth and its Relationship with Energy Fluxes using the Eddy-covariance Method
This thesis provides an understanding of the impact of climate change on local scales, providing insight into the current and future vulnerability of saltmarsh habitats. Process: Data collection from an eddy-covariance tower in County Kerry and subsequent in-depth analysis using R and MatLab to visualise the relationship between the saltmarsh energy balance and tidal inundation.



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