

Personal contact details and Professional summary	
Name	Salutation: Ms. First name: Alice Family name: Riordan Post-nominals (<i>optional</i>):Chartered Engineer
Address	c/o Fehily Timoney & Company Core House Pouladuff Road Cork
Contact details	Landline telephone: +353 (0)21 496 4133 Email: alice.riordan@ftco.ie Website (<i>optional</i>): www.fehilytimoney.com
Qualifications	<i>BE (Civil & Environmental), University College Cork, 2004</i>
Career history	2004 – present: Fehily Timoney & Company. My primary experience is in the waste management sector, focusing primarily on landfill-related projects. My areas of expertise include capping and restoration design, risk assessments (landfill gas, leachate and hydro-geological), landfill cell development and associated infrastructure (including landfill gas collection and treatment/utilisation, leachate extraction and surface water management) at landfill and other waste sites.
Relevant project experience	Meath Tier II Assessment of Historical Landfills – Project Manager for assessment of 4 no. historical landfills in accordance with the EPA Code of Practice (Environmental Risk Assessment for Unregulated Waste Disposal Sites). Kinsale Road Landfill, Response to EPA Audit – Preparation of Closure Restoration and Aftercare Management Plan (CRAMP), Environmental Liabilities Risk Assessment (ELRA) and Landfill Gas Risk Assessment Killurin Landfill, Environmental Consultancy Services – Project Manager for detailed design of the final capping for 6,000 m ² of landfill (including landfill gas, leachate extraction and surface water management infrastructure) and preparation of a Leachate Management Plan for the site. Landfill capping/restoration works at numerous sites, including: Arthurstown Landfill, Ballydonagh Landfill, Co. Westmeath, Ballyvirrane Landfill, Co. Kerry, Derryclure Landfill – Phase 1 and Phase 2 Capping, Donohill Landfill – Phase 2 Capping, Kinsale Road Landfill – Contract 10 Capping, Knockharley Landfill – Phase 1 Capping, Powerstown Landfill, Rossmore Landfill and Sajja Landfill (UAE). Landfill cell development works at numerous sites, including: Bottlehill Landfill, Fingal Landfill, Holmestown Waste Management Facility (Phase 1 and Phase 2 Cell Development Contracts), Knockharley Phase 3B Cell

Development, Powerstown Landfill Extension, Sajja Landfill (UAE).

Landfill Gas: specialist knowledge and experience in the design and specification of landfill gas infrastructure and assessment of landfill gas related issues for various sites/projects, including:

- Arthurstown Landfill (Sizing of Landfill Gas Utilisation Infrastructure),
- Holmestown Waste management facility (installation of above ground landfill gas infrastructure, and provision of operational support),
- Midlands Landfill Gas Utilisation Project (procurement of landfill gas utilisation contractor for 3 no. landfill sites in the Irish Midlands)
- Zero Waste Scotland, Green House Gas Emissions (GHG) from Landfills in Scotland (site trials, literature surveys and landfill gas modelling in order to quantify landfill gas emissions from landfills in Scotland and recommend potential actions and/or mitigation measures).

Specific areas of expertise

My role requires a detailed technical knowledge of landfill related issues, contractual management, project management, and a knowledge of risk based assessment of environmental impacts, in particular in relation to landfills, including relevant guidance published by the EPA and the UK Environment Agency.

I have developed extensive technical skills in the field of environmental modeling in relation to landfills/waste sites, including the use of LandGEM and GasSIM landfill gas prediction models, LandSIM leachate risk assessment model, in-house development of proprietary software tools and models in the area of landfill gas prediction, utilisation and management, and the 3D modeling of landfill developments and restoration projects.

I use these technical skills and knowledge in the application of a risk-based approach to waste management projects, whether new landfill design, landfill capping and restoration projects, environmental risk assessments, investigation of historical sites or development of operational guidance for active sites.

Declaration: *I accept responsibility for the accuracy of the particulars contained in this form including my qualifications and I agree that, when submitted, its contents will be made available on the Engineers Ireland website www.engineersireland.ie*

I agree to the declaration above

Yes