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Volume 3:

Appendix 1.1

List of Competent Experts

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Appendix 1.1: Competent Experts

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Topic	Competency Summary
EIAR Project Manager	<p>Seamus Donohoe – Purser</p> <p>MRUP, BAgSc (Hons) Landscape Architecture, MRTPI, MIPI, MILI</p> <p>Seamus Donohoe is a Chartered Town Planner, Landscape Architect, and Urban Designer with over 14 years of experience in the planning and development sector. He holds a Master's degree in Regional and Urban Planning and an Honours Bachelor's degree in Landscape Architecture. Seamus is a Chartered Member of the Royal Town Planning Institute (MRTPI), a Corporate Member of the Irish Planning Institute (MIPI), and a Registered Member of the Irish Landscape Institute (MILI).</p> <p>Seamus has extensive experience in managing and coordinating Environmental Impact Assessment Reports (EIARs) across a range of projects, including industrial, energy, infrastructure, commercial, and residential developments. He has also provided expert witness evidence at An Bord Pleanála oral hearings. In addition, Seamus is a specialist in Landscape and Visual Impact Assessment (LVIA), having led numerous LVIA assessments for complex planning applications.</p> <p>For this project, Seamus serves as the EIAR Project Manager, overseeing all aspects of the environmental assessment. He is also directly responsible for the preparation of the LVIA chapter.</p>
EIAR Coordinator	<p>Elizabeth Shannon – Purser</p> <p>MRUP, B.A. (Mod. Geography), MRTPI</p> <p>Elizabeth Shannon is a Chartered Town Planner with 10 years of experience in the planning and development industry, working across a variety of sectors in Ireland. She holds a Master's degree in Regional and Urban Planning from University College Dublin and a B.A. (Mod.) in Geography from Trinity College Dublin. Elizabeth is a Chartered Member of the Royal Town Planning Institute (MRTPI).</p>

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	<p>Elizabeth has significant experience in coordinating and managing Environmental Impact Assessment Reports/Statements (EIARs). She has a proven track record in successfully navigating the planning system to secure major planning permissions and has worked on projects involving detailed planning applications, appeals, and environmental assessments.</p> <p>Elizabeth will act as EIAR Coordinator, responsible for ensuring the effective management and delivery of the EIAR, working closely with multidisciplinary teams to meet regulatory requirements and project objectives.</p>
Chapter 1 – Introduction	<p>Seamus Donohoe, Elizabeth Shannon – Purser</p> <p>As above</p>
Chapter 2 – EIA Process and Methodology	<p>Seamus Donohoe, Elizabeth Shannon – Purser</p> <p>As above</p>
Chapter 3 – Site Location and Context	<p>Seamus Donohoe, Elizabeth Shannon – Purser</p> <p>As above</p>
Chapter 4 – Legal and Policy Framework	<p>Seamus Donohoe, Elizabeth Shannon – Purser</p> <p>As above</p>
Chapter 5 – Consideration of Reasonable Alternatives	<p>Seamus Donohoe – Purser</p> <p>As above</p>
Chapter 6 – Proposed Development	<p>Seamus Donohoe – Purser</p> <p>As above</p>

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Chapter 7 – Population and Human Health	<p>Seamus Donohoe, Elizabeth Shannon – Purser</p> <p>As above</p>
Chapter 8 – Biodiversity	<p>Donnachadh Powell, Lead Ecologist – Veon Ecology</p> <p>BSc (Hons) Ecology and Environmental Biology, QCIEEM</p> <p>Donnachadh Powell holds an BSc. (Hons) in Ecology and Environmental Biology from Munster Technological University (formerly IT Tralee). Donnachadh has extensive experience in conducting field surveys across Ireland, including wintering and breeding bird surveys, bat surveys, and assessments of other protected mammals. Other experience includes assessing invasive species, river management, conducting habitat and botanical surveys, and use of GIS software. At Veon, Donnachadh’s work also includes data analysis and the preparation of Appropriate Assessment (AA) reports and Ecological Impact Assessments (EclAs) for residential and other commercial projects nationwide.</p> <p>For this project, Donnachadh is contributing to the biodiversity chapter of this EIAR and carried out relevant surveys and environmental assessment on site.</p> <p>Dr. Amy Haigh, Biodiversity & Mammals Lead Ecologist – Veon Ecology</p> <p>B.Sc. (Hons) in Zoology NUIG, PhD in Mammal Ecology, QCIEEM</p> <p>Amy holds a Bachelors Degre in Zoology and a PhD in Mammal Ecology from the National University of Ireland Galway (NUIG) and University College Cork (UCC), respectively. Amy has over 15 years’ experience conducting research and working in the field of ecology, with extensive stakeholder engagement and survey skills across a wide range of ecological disciplines. Her project experience covers both public and private sectors, conservation, renewable energy, commercial and residential projects.</p> <p>Amy has made significant contributions to the data collection, analysis and reporting for this EIAR.</p>

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Chapter 9 – Land, Soils and Geology	<p>Patrick Higgins - Enviroguide BSc, MSc, MEnvSc, CEnv</p> <p>Patrick is a Chartered Environmentalist (CEnv) with the Institute of Environmental Sciences and has over 19 years' experience as an Environmental Consultant within the United Kingdom and Ireland. He holds a BSc in Environmental Science from University of Ulster and a MSc in Environmental Assessment and Monitoring from Coventry University, Coventry. His expertise lies in all key stages of contaminated land and hydrogeological risk assessment.</p> <p>Patrick is a Technical Director with Enviroguide Consulting. He has carried out environmental assessments and has been involved in the preparation of Environmental Impact Assessment Reports (EIAR) for a range of project types and geological and hydrogeological site settings within the UK and Ireland.</p> <p>For this project, Patrick will be responsible for undertaking the technical review of the Land, Soil, and Geology and the Hydrology and Hydrogeology Chapters of the EIAR.</p>
	<p>Gareth Carroll – Enviroguide BA, BEng, MEnvSc, CEnv</p> <p>Gareth Carroll is a Chartered Environmentalist (CEnv) with the Institute of Environmental Sciences and has over 11 years of experience as an Environmental Consultant across Ireland, the United Kingdom, and Canada. He holds a BA in Mathematics and a BEng in Civil, Structural, and Environmental Engineering from Trinity College Dublin. His expertise lies in contaminated land site investigation and hydrogeological assessment.</p> <p>Gareth is a Principal Consultant with Enviroguide Consulting. He has carried out environmental assessments and has been involved in the preparation of Environmental Impact Assessment Reports (EIAR) for a range of project types and geological and hydrogeological site settings.</p>

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	<p>For this project, Gareth will be responsible for assisting in the preparation and undertaking the technical review of the Land, Soil, and Geology Chapter, as well as the Hydrology and Hydrogeology Chapter of the EIAR.</p>
	<p>Warren Vokes – Enviroguide</p> <p>BA, MSc, MCIWEM, C.WEM</p> <p>Warren Vokes is a Chartered Water and Environmental Manager with the Chartered Institute of Water and Environmental Managers and has over 8 years of extensive experience across Ireland and the United Kingdom, specialising as a Hydrologist and Flood Risk Analyst. He holds a BA in Geography Planning and Environmental Policy from University College Dublin and a MSc in River Environments and their Management from University of Birmingham. His expertise includes hydrology, hydromorphology with environmental engineering design.</p> <p>Warren is a Senior Consultant with Enviroguide Consulting. He has carried out environmental assessments and has been involved in the preparation of Environmental Impact Assessment Reports (EIAR) for a range of project types and hydrological and hydrogeological site settings.</p> <p>For this project, Warren will be responsible for writing the Hydrology and Hydrogeology Chapter of the EIAR.</p> <p>of project types and geological and hydrogeological site settings.</p> <p>For this project, Warren will be responsible for assisting in the preparation of the Land, Soil, and Geology Chapter, as well as the Hydrology and Hydrogeology Chapter of the EIAR.</p>
	<p>Nuria Manzananas – Enviroguide</p> <p>BSc, MSc, PGeo</p> <p>Nuria is a Chartered Geologist (PGeo) with the Institute of Geologist Ireland and has over 10 years of experience as an Environmental Geologist. She holds a BSc (Hons) degree in Geology from Universidad Complutense, Madrid, a MSc in Water Resources Management</p>

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	<p>from Queen's University (Belfast) and a MSc in Hydrogeology from University of Strathclyde (Glasgow). Her expertise lies in contaminated land site investigation and hydrogeological assessments.</p> <p>Nuria is a Principal Consultant with Enviroguide Consulting. She has carried out environmental assessments and has been involved in the preparation of Environmental Impact Assessment Reports (EIAR), soil and water chapters, for a range of project types and geological and hydrological site settings.</p>
Chapter 10 – Hydrology & Hydrogeology	<p>Patrick Higgins, Gareth Carroll, Warren Vokes, Nuria Manzanas – Enviroguide</p> <p>As above</p>
Chapter 11 – Air Quality (including Odour)	<p>Dr. Jovanna Arndt – AWN Consulting</p> <p>Ph.D. Atmospheric Chemistry, BSc. (Hons) Environmental Science, AMIAQM, AMIES</p> <p>Dr. Jovanna Arndt, a Senior Environmental Consultant in the Air Quality & Climate section of AWN Consulting. She holds a BSc. in Environmental Science and a Ph.D. in Atmospheric Chemistry from University College Cork. She is an Associate Member of both the Institute of Air Quality Management and the Institute of Environmental Sciences.</p> <p>She has been specialising in the area of air quality and climate over 7 years and has prepared air quality and climate assessments for inclusion within EIARs for residential developments such as Twenties Lane (Planning Application Ref: 22713), Cherrywood T13 (Planning Application Ref: DZ23A/0028), Corballis Donabate LRD (Planning Application Ref: LRD0017/S3), commercial and industrial developments by Dublin Airport Authority, Zoetis, Ipsen, Merck Millipore, Greener Ideas Limited and Abbvie, as well as renewable energy developments such as Codling Wind Park and the Cúil Na Móna Anaerobic Digestion Facility.</p> <p>She also specialises in assessing air quality impacts using air dispersion modelling of transportation schemes such as BusConnects Dublin and BusConnects Cork, major Highways England Road schemes and major rail infrastructure in the form of High Speed 2 (HS2 in the UK). She has prepared air dispersion modelling assessments of emissions from data centres, energy centres and the chemical industry as part of EPA Industrial Emissions Licences for Microsoft, Greener Ideas Limited, Merck Millipore, Lilly Limerick, Chemifloc,</p>

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	<p>Takeda, Kingspan and Kilshane Energy. She has also provided Air Quality Action Plan (AQAP) and Air Quality Management Area (AQMA) support to several UK councils and assessed the air quality impacts of potential Clean Air Zones in the UK.</p> <p>For this project, Jovanna is directly responsible for the preparation of the Air Quality and Climate chapters.</p>
Chapter 12 – Climate	<p>Dr. Jovanna Arndt – AWN Consulting</p> <p>As above</p>
Chapter 13 – Noise & Vibration	<p>Cathal Reck – Wave Dynamics Acoustic Consultants</p> <p>Acoustic Consultant</p> <p>Cathal Reck is an Acoustic Consultant with two years of experience in assessing noise impacts for planning stage applications, across a multitude of sectors in Ireland. Cathal’s qualifications include; BSc (Hons) Music Technology & Production, BSc Music Technology & Production from the Technical University of the Shannon, Certificate of Competence in Environmental Acoustics (IOA) and multiple certificates in Building Acoustics & Noise Control. Cathal is also a member of the Institute of Acoustics (TechIOA).</p> <p>Cathal has experience in conducting baseline noise surveys, assessing noise impacts, and reporting results across a wide range of projects and industries, including energy, infrastructure, industrial, residential and commercial sectors.</p> <p>Chapter 13.0 Noise & Vibration was completed by Cathal.</p>

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	<p>James Cousins – Wave Dynamics Acoustic Consultants</p> <p>Managing Director Principal Acoustic Consultant</p> <p>James Cousins is an experienced Acoustic Consultant with over 12 years experience on projects in the public and private sectors. James specialises in architectural acoustics with experience across a variety of areas including environmental noise, power generation, building acoustics and industrial noise control. James’s qualifications include; BSc (Hons) Construction Management & Engineering, IOA Diploma in Acoustics & Noise Control, PG Certificate I Construction Law and Dispute Resolution, Certificate of Competence in Building Acoustic Measurements, Professional Diploma in Leadership and Management. James is also a member of the Institute of Acoustics (MIOA) and a member of Engineers Ireland (MIEI), James is also the current SITIR Committee Chairman.</p> <p>In addition to delivering milestone projects in Ireland and the UK he has project managed and delivered large project bundles for: PPP’s, educational, healthcare and residential sectors. His unique background gives James a good grounding of construction methods and detailing. James combines his technical background with extensive hands on experience and effective communication skills to provide practical bespoke solutions to complex acoustic issues.</p> <p>Chapter 13.0 Noise & Vibration was peer reviewed by James.</p>
Chapter 14 – Traffic and Transport	<p>Glen Moon - Systra</p> <p>MA (Hons), CTPP</p> <p>Glen is a Chartered Member of the Chartered Institute of Highways and Transportation, with 15 years of industry experience, specializing in the field of Development Planning, Traffic & Transportation Assessments and EIAR appraisal. In addition he has spent five years in the renewables industry as an EIA Senior Project Manager, managing a multi-disciplinary team, overseeing the delivery of the full suite of planning documents.</p> <p>For this project, Glen was the primary author of the Traffic and Transportation chapter.</p>

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	<p>Steven Livingstone - Systra BEng, MCILT</p> <p>Steven is a Chartered Member of the Chartered Institute of Logistics and Transport, with 20 years of post-graduate industry experience, working in the public and private sector. He provides senior oversight and expert technical advice on a wide range of projects, including environmental and renewable projects, specialising in development planning.</p> <p>For this project, Steven was the senior reviewer of the Traffic and Transportation chapter.</p>
Chapter 15 – Material Assets – Waste	<p>Rachel Redmond – Enviroguide BSc. (Hons)</p> <p>Rachel Redmond is an Environmental Consultant with Enviroguide. Rachel has a Bachelor of Science (Hons) in Environmental Science from University College Cork. Rachel has worked as an Environmental Consultant with Enviroguide since 2023 and has over 3 years of experience as an environmental consultant preparing Environmental Impact Assessment Reports of a similar scale and nature to the Proposed Development.</p>
Chapter 16 – Material Assets – Utilities	<p>Donnachadh O’Brien Donnachada O’Brien & Associates Engineers</p> <p>BSc.Eng, Dip.Eng, Dip.Envir.Eng, CEng MIEI, FConEI</p> <p>Donnachadh O’Brien is the Managing Director of Donnachadh O’Brien and Associates Consulting Engineers and has over 28 years’ experience in the Civil and Structural consulting sector. Donnachadh has extensive experience in the design and delivery of major public projects utilising GCCC forms of contract. Private sector projects include sectoral work in commercial, residential, educational and industry including infrastructural design for SHD projects and large-scale residential projects. Donnachadh is Convenor of the ACEI Structures Committee & and an ACEI Executive Board Member.</p>

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	<p>Richard Kiernan - Donnachada O'Brien & Associates Engineers</p> <p>BA Hons, CEng MIEI, RConsEI</p> <p>Richard is an Associate and Senior Chartered Engineer with over 15 years of experience in the Civil and Structural Engineering sector, having graduated from DIT Bolton Street in 2008 with an Honours Degree in Structural Engineering.</p> <p>Richard has extensive experience in the design and delivery of major public and private projects and has acted as lead engineer on a number of large Educational, Residential, Commercial and Healthcare Projects. Richard also has extensive experience in the delivery of specialist Pipe Stress Analysis engineering services for Pharmaceutical and Data Centre applications. Richard is a registered Chartered Engineer with Engineers Ireland (CEng MIEI) since 2013 and a Registered Professional Consulting Engineer with ACEI (RConsEI) since 2018.</p> <p>Richard has worked on numerous EIAs on a range of developments including Mixed Use Commercial/Residential and Healthcare projects.</p>
	<p>Andy Kotze - Donnachada O'Brien & Associates Engineers</p> <p>BEng (Civil), CEng MIEI</p> <p>Andy Kotze is a Chartered Civil Engineer with 7 years of experience in the engineering design consultancy industry, working across various industries in both Ireland and South Africa. He holds a Bachelors degree in Engineering from the University of Stellenbosch, South Africa. He received his engineering chartership (CEng) from Engineers Ireland in 2022.</p> <p>Andy has extensive experience in the delivery of Educational, Residential and Commercial projects and has acted as the lead civil design engineer on several projects. Andy has comprehensive experience in Sustainable Drainage Systems and large-scale ground level balancing and design. Andy has worked on numerous EIAs on a range of developments including Residential and Mixed-Use Commercial.</p>

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Chapter 17 – Archaeology and Cultural Heritage	<p>Faith Bailey – IAC Archaeology</p> <p>MA, BA (Hons), MIAI, MCIfA</p> <p>Faith holds a Master’s degree in Cultural Landscape Management (Archaeology and Built Heritage) and a Bachelor’s degree in Archaeology from the University of Wales, Lampeter. She is a licence-eligible archaeologist and is a Member of the Institute of Archaeologists of Ireland and the Chartered Institute for Archaeologists. Faith has over 20 years of experience in archaeological and cultural heritage consultancy and has been responsible for the production of EIAR and assessments for all aspects of development nationwide.</p> <p>Jacqui Anderson – IAC Archaeology</p> <p>MA, BA, MIAI</p> <p>Jacqui holds a Bachelor’s degree in Archaeology and Greek and Roman Civilisation and a Master’s degree in Irish Archaeology from UCD. She is also a Member of the Institute of Archaeologists of Ireland. Jacqui has nine years’ experience in the commercial archaeological sector in Ireland and specialises in the production of archaeological assessments and EIAR across all sectors of development.</p>
Chapter 18 – Landscape and Visual	<p>Seamus Donohoe – Purser</p> <p>As above</p> <p>Denis Danylko - G-Net 3D</p> <p>MA in Architecture, Kyiv National University of Construction and Architecture</p> <p>Denis is senior 3D visualisation with over 12 years of experience in the creation of high-quality visualisations for large-scale urban and infrastructural regeneration projects. His background in architecture informs his artistic and technical approach, enabling him to craft</p>

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	<p>detailed, accurate, and visually compelling imagery. Denis specialises in producing a wide range of visualisation outputs, including full CGI exteriors and interiors, animations, verified view montages (VVMs), and drone tracking. His expertise in using blended-media approaches has made his work indispensable in planning focused projects.</p> <p>On this, Denis will act as the lead visualisation artist, responsible for creating the verified photomontage images primary visual materials and animations.</p>
Chapter 19 – Risk Management	<p>Dr. Fergal Callaghan – AWN Consulting</p> <p>B.Sc. Ph.D.</p> <p>Dr. Fergal Callaghan is Director with responsibility for Seveso Assessment and Quantitative Risk Assessment with AWN Consulting. He has extensive experience in providing consultancy services to COMAH establishments. Dr. Callaghan has a B.Sc. (Industrial Chemistry) and Ph.D. Chemical Engineering . He is an Associate Member of The Institution of Chemical Engineers (AMICHE), a Member of the Royal Society of Chemistry (MRSC), Member of the Environmental Protection Subject Group, IChemE, Member of the Safety and Loss Prevention Group. He has 33 years’ engineering and consultancy experience in the Irish, UK, European and US industrial sectors.</p> <p>Dr. Callaghan has extensive experience in providing consultancy services to COMAH/Seveso III establishments including the preparation of Safety Reports, hazard identification and analysis, consequence and risk modelling of major accident scenarios, provision of advice to fire authorities regarding Seveso III establishments and acting as an assistant An Bord Pleanála inspector in respect of a proposed explosives manufacturing plant. Dr. Callaghan also provides advice regarding land use planning near to Seveso II establishments and the assessment of individual and societal risk.</p> <p>Matthew Michie – AWN Consulting</p> <p>MChem (Hons), MSc</p> <p>Matthew Michie is a Senior Environmental Consultant with AWN. He has an MChem (Hons) in Chemistry from the University of Liverpool and an MSc in Physical Chemistry from Michigan State University.</p>

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	<p>Matthew has 5 years' experience in providing consultancy services to operators (Hospitals, Chemical sites, Distilleries, Refineries, Food Producers and Power Plants) requiring Green House Gas support; managing EU Emissions Trading System (ETS) emissions. Matthew has 4 years' experience in providing consultancy services to the operators of lower and upper tier Seveso III establishments including the preparation of Land Use Planning assessments, Significant Modifications assessments, Safety Reports and consequence modelling and quantitative risk assessment for major accident hazards.</p>
Chapter 20 – Inter-related Effects	<p>Seamus Donohoe, Elizabeth Shannon – Purser</p> <p>As above</p>
Chapter 21 – Cumulative Impacts	<p>Seamus Donohoe, Elizabeth Shannon – Purser</p> <p>As above</p>
Chapter 22 – Schedule of Mitigation	<p>Seamus Donohoe, Elizabeth Shannon – Purser</p> <p>As above</p>