

Appendix 1B
EIAR Technical Team Details

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SSE Tarbert Next Generation Power Station

Environmental Impact Assessment Report (EIAR)
Volume II
Appendix 1B - EIAR Technical Team Details

SSE Generation Ireland Limited

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SSE Generation Ireland Limited

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1. Introduction

Details and statement (a 'statement of competence') of the relevant expertise and qualifications of each of the contributors to the EIAR is required by EIA Regulations.

This assessment has been undertaken and the subsequent EIAR prepared by AECOM Ireland Limited on behalf of SSE Generation Ireland Limited. Table 1.1 includes the relevant company, as well as their respective inputs to the EIAR.

Table 1.1: Technical Team - EIAR Chapter Production

EIAR Chapter No,	Chapter Title	Company Name	Technical Team Member
NTS	NTS	AECOM	Aldona Binchy Rachel Devine Sophie McDowell
1	Introduction	AECOM	Peter O'Connor Rachel Devine
2	Planning Policy	AECOM	Peter O'Connor Rachel Devine
3	Needs and Alternatives	AECOM	Peter O'Connor Rachel Devine
4	Existing Site and Conditions	AECOM	Peter O'Connor Rachel Devine
5	Description of the Proposed Development	AECOM	Peter O'Connor Rachel Devine
6	Consultations	AECOM	Rachel Devine
7	Air Quality	AECOM	Danny Duce
8	Cultural Heritage	AECOM	David Kilner
9	Biodiversity	AECOM	Dr Paul Lynas
10	Landscape and Visual	AECOM	Joerg Schulz
11	Noise and Vibration	AECOM	Alex Southern
12	Water Environment	AECOM	Jenny Rush
13	Land and Soils	AECOM	Kevin Forde
14	Traffic and Transport	AECOM	Emma Greenlees
15	Population and Human Health	AECOM	Rachel Devine Sophie McDowell
16	Material Assets	AECOM	Rachel Devine
17	Climate	AECOM	Ian Davies
18	Waste Management	AECOM	Mike Bains
19	Major Accidents and Disasters	AECOM	Alex Freeman
20	Cumulative Effects and Interactions	AECOM	Peter O'Connor Aldona Binchy Sophie McDowell
21	Schedule of Environmental Commitments	AECOM	Aldona Binchy Sophie McDowell

In accordance with the EIA Regulations, AECOM confirms that experts involved in the preparation of this EIAR are fully qualified and competent in their respective fields. Each expert has extensive proven expertise in the relevant field concerned, thus ensuring that the information provided herein is complete and of a high quality. A short biography for each team member is included in Table 1.2.

Table 1.2: Assessment Team

Technical Sections/ Roles	Consultant	Summary of Relevant Experience
Technical Director	Peter O'Connor	Peter is a Technical Director and Environmental Project Manager, responsible for the project management of Environmental Statements and scoping studies throughout Northern Ireland, Ireland and Great Britain. He is a Chartered Surveyor (MRICS) with over 20 years' experience in consultancy, he has been responsible for the management and production of a diverse range of planning applications and Environmental Impact Assessments (EIA/EIAR) throughout the UK and Ireland for both public and private sector clients. His experience includes managing stakeholder engagement programmes, preapplication discussions, management of Public Inquiries, Pre-Commencement Condition Discharge and associated planning/ES and permits/PPC.
Associate Director	Rachel Devine	Rachel is an Associate Director with over 11 years' experience in consultancy. She has worked on major infrastructure projects across UK and Ireland and has experience of both public and private sector projects and clients. Her experience has included site secondments working for the contractors providing site experience including managing stakeholder engagement, preapplication discussions, discharging planning conditions, preparation of planning applications and managing of Environmental Statements, Scoping and Screening reports.
Associate Director	Aldona Binchy	Aldona is an Associate Director with 19 years of commercial experience in the environmental sector for both public and private sector clients. She is a Project Manager, experienced in EIA and an environmental permitting practitioner within a wide range of complex commissions including mining and minerals, infrastructure, energy including renewable energy. Aldona is an Institute of Environmental Management and Assessment (IEMA) Environmental Practitioner. She has been responsible for management and production of various documents within EIARs, Environmental Audits, Reviews and Due Diligence; Environmental Risk Assessments (including marine environment); Environmental Management Systems design and implementation. Aldona has experience in hydro-chemical/ geochemical and contaminated land investigations and remediation, IE/IPC permit applications, environmental noise and air quality assessments, and environmental baseline surveys.
Graduate Environmental Consultant	Sophie McDowell	Sophie is a Graduate Environmental Consultant who is currently fulfilling the role of an Environmental Impact Assessment (EIA) practitioner and coordinator in support of the delivery of a diverse range of major infrastructure projects throughout Ireland through the planning process. To date, this has included high-profile schemes within the water,

Technical Sections/ Roles

Consultant

Summary of Relevant Experience

		<p>transportation, and power sectors. As part of this role, Sophie is responsible for coordinating and undertaking numerous EIA elements to ensure completion of Environmental Statements for final technical/editorial review, and submission to planning thereafter. This has also included undertaking EIA Screening determinations, assisting in the Scoping of EIAs, and Outline Construction Environmental Management Plans.</p>
Associate Director	Danny Duce	<p>Danny is an Associate Director working for AECOM's Air Quality and Permitting Team. He has 26 years' experience in Air Quality Assessment, Management, Monitoring and Pollution Control, working across different regions requiring knowledge of a wide range of regulatory regimes and practices. During 16 years with AECOM, he has worked on a wide range of development projects including in the transport, industrial waste, mineral extraction and processing, commercial, residential and mixed-use sectors.</p> <p>Danny has experience of carrying out surveys of ambient air quality and dust deposition, including on a number of large construction sites, mineral extraction sites and industrial facilities. Danny is a full member of the Institute of Air Quality Management (IAQM), the Institution of Environmental Sciences, and is a Chartered Environmentalist. He has developed formal air quality, dust and odour management plans for a range of projects, enabling them to be operated according to sector-specific best practice requirements. He graduated in 2003 from the University of Derby with a master's degree in environmental management (Pollution Control) and has also been awarded a bachelor's degree in chemistry and environmental monitoring and management</p>
Archaeological Consultant	David Kilner	<p>David is an Archaeological Consultant responsible for Cultural Heritage input in Environmental Statements and Scoping studies throughout Great Britain and Ireland. He is a full member of the Institute of Archaeologists of Ireland and has been a heritage professional since 1998, working in the construction industry for clients in both the public and private sectors. For over 20 years now, he has been responsible for the management and assessment of Cultural Heritage impacts on a range of urban developments, highways and infrastructure, government, public sector and private sector projects. David has been with AECOM since 2017 where he has undertaken a range of projects, from planning to advice to archaeological baseline research, Environmental Impact Assessment, procuring and managing archaeological specialists and sub-contractors.</p>
Associate Director	Paul Lynas	<p>Paul is an all-round ecologist with over seventeen years' experience and is currently Convener of the Irish Section of CIEEM. He has undertaken numerous flora and fauna assessments for wide-ranging clients, working in multi-disciplinary teams on many large-scale infrastructure projects including large scale public and private developments, road, rail and power. This involvement has included inputs throughout assessment, write up, consultation and Public Inquiry where necessary.</p> <p>He contributes with ecological inputs into various Environmental Impact Assessments, Strategic Environmental Assessments, stand-alone projects and Planning Applications. Paul has also wide-ranging</p>

Technical Sections/ Roles	Consultant	Summary of Relevant Experience
		experience with the application of the European Habitats Directive and has undertaken many Appropriate Assessments, and also a variety of ecological monitoring and survey techniques with wide ranging survey experience of bats, birds, otters, badgers, smooth newts and invasive plant species.
Principal Landscape Architect	Joerg Schulz	<p>Joerg is a Principal Landscape Architect with over 16 years' professional experience working for clients in the private and public sector. He has a comprehensive track record in developing and managing landscape and visual impact assessments of large commercial, residential, infrastructural, renewable energy, tourism and civic developments throughout the island of Ireland. He has extensive experience in all stages of the planning, design, tender and implementation process, contract management and as consultant for Part 8 and EIA/ EIAR processes. His master planning experience includes advice on mitigation measures to minimise landscape and visual impacts, the preparation of detailed mitigation planting schemes and general landscape design within proposed development sites to facilitate staff, visitor, tourism and/or local community requirements.</p> <p>As part of the LVIA process, Joerg is also an expert in developing constraints studies, site suitability assessments, feasibility studies and associated mapping. He has prepared residential visual impact assessments, manages the production of photomontages and the preparation of ZTV/TVI mapping. He has been supervising site works and required maintenance periods for mitigation planting schemes.</p> <p>Joerg is a regular expert witness at oral Hearings/Public Inquiries and prepared affidavits for renewable energy developments. He is an experienced team leader and works closely with other disciplines. He undertakes stakeholder engagements, consultations with communities and planning authorities, and has organised and participated in public workshops</p>
Principal Acoustics Consultant	Alex Southern	Alex has over 15 years of experience working in acoustics research and consultancy. He joined AECOM in 2012 and has built a wealth of experience in assessing industrial, commercial and residential developments. Alex has experience in a wide range of acoustics reach and consultancy, including measuring, predicting, modelling and assessing emissions from various industrial facilities including within the power and renewables sector. Alex was awarded the Institute of Acoustic young person's award for innovation and lead AECOM Auralisation capability, technology allowing stakeholders to hear a development before it is finished.
Associate Hydrogeologist	Jenny Rush	Jenny has more than 17 years of professional experience in this field. Jenny is a technical lead and AECOM-certified project manager on hydrogeological impact assessments, having regard of impacts from a variety of development types on groundwater receptors, resources and dependent ecosystems. She has gained considerable experience in option selection and impact assessments on Irish road projects, within challenging geological and hydrogeological settings, i.e., karst, as well as key experience in water resource assessment, management and protection, through

Technical Sections/ Roles	Consultant	Summary of Relevant Experience
		work with UK water companies and Irish group water schemes.
Associate Director / Hydrogeologist	Kevin Forde	Kevin is an Associate Hydrogeologist in the AECOM Ground, Energy and Transaction Services team and has more than 29 years' post-graduate experience. He graduated with an honour's degree in Geology (1991) and has since earned a post graduate diploma in Computing (UCC, 1992) and a Masters in Hydrogeology (UCL, 1993). He has extensive experience of ground contamination assessment and remediation for both public and private sector clients involving environmental due diligence, pre-construction site investigation, EIAR, contaminated land remediation and construction phase soil waste management.
Associate Director	Emma Greenlees	Emma is an Associate Director and Transport Development Planning Project Manager, responsible for the project management of projects throughout Northern Ireland. She is a Chartered Transport Planner with over 24 years of experience in consultancy. She has been responsible for the transport planning inputs in support of the planning applications for a wide range of development types for both public and private sector clients. Experience includes Transport Assessment Forms, Transport Assessments, Service Management Plans, Parking Statements, Travel Plans, Access/Highway Improvement Design and transport inputs into Environmental Statements / Environmental Impact Assessments.
Technical Director	Ian Davies	Ian Davies has over 15 years' professional experience in the management and delivery of greenhouse gas and climate change assessments across the UK and Ireland. He has led the climate impact and mitigation strategy assessment studies for inclusion in EIA and ESIA on a range of climate impact assessments or large-scale infrastructure projects, industrial and residential development.
Technical Director	Mike Bains	Mike Bains has 24 years' experience in environmental consultancy, predominantly in the field of waste management in Ireland, the UK and internationally. He has been subject-matter expert for waste management in a large number of major projects, including nationally significant infrastructure projects in the UK. Mike is also experienced in waste management in the pharmaceutical sector.
Associate Director	Alex Freeman	Alex has 21 years' experience in environmental consultancy, across a range of different fields including soil and groundwater remediation, environmental permitting, environmental compliance auditing and reviews of process safety studies including dangerous substances and explosive atmospheres regulations (DSEAR) risk assessments and hazard identification (HAZID) / hazard operability (HAZOP) studies. Alex has extensive experience in the power and energy sectors and is supporting both permitting and planning studies for both EIA and development consent order (DCO) applications for a range of power developments including open cycle gas turbines (OCGTs), combined cycle gas turbines (CCGTs), hydrogen schemes and carbon capture schemes.

