

Viking CCS Pipeline

**Environmental
Statement Volume IV –
Appendix 1-1: The
Project Team**

Document Reference: EN070008/APP/6.4.1.1

Applicant: Chrysaor Production (U.K.) Limited,
a Harbour Energy Company
PINS Reference: EN070008
Planning Act 2008 (as amended)
The Infrastructure Planning (Applications: Prescribed Forms
and Procedure) Regulations 2009 - Regulation 5(2)(a)
Date: October 2023

PINS Reference	Document Reference	Document Revision	Date
EN070008	EN070008/APP/6.4.1.1	Revision 1	October 2023

Revision History

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1 Competent Expert Evidence

1.1 Introduction

- 1.1.1 In line with Regulation 14(4)(b) of the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017, this Environmental Statement (ES) (*Volume 6 of this DCO Application*) has been produced by competent experts with the relevant experience in their respective specialist topics. A summary of the experience of the team is provided in **Table 1**.
- 1.1.2 These individuals are part of a wider team of engineering and environmental professionals involved in the EIA process and the production of the ES.

1.2 About AECOM

- 1.2.1 AECOM has been awarded the EIA Quality Mark from the Institute of Environmental Management and Assessment (IEMA), demonstrating competency in ES preparation. As per Regulation 14(4)(a) and section 21 of the EIA Regulations, this EIA was undertaken by competent experts with the relevant and appropriate experience in their respective topics. The EIA technical leads responsible for the individual chapters are identified within **Table 1**.

Table 1: Environment Team Qualifications and Experience

Topic/Role	Name	Relevant academic and professional qualifications	Relevant experience in the environmental assessment of infrastructure projects
Environment – Project Director	Nigel Pilkington	<ul style="list-style-type: none"> • BSc (Hons) Ecology • PGDip, Environmental Auditing • CEnv • MCIEEM 	<p>Nigel has 28 years of consultancy experience which has focussed on Environmental Impact Assessment. His work has included projects consented under the Town and Country Planning Act and Planning Act Regimes.</p> <p>He has presented expert evidence at a number of planning and DCO hearings. He has worked on and led EIA work for a large number of infrastructure projects.</p> <p>His linear infrastructure experience includes:</p> <ul style="list-style-type: none"> • Yorkshire Humber CCS Cross Country Pipeline – Project Director; • North Wales Connection Project – Project Director; • Sea Link DCO – Project Director; • Yorkshire GREEN – workstream lead; • Wormington to Sapperton Natural Gas Pipeline – EIA coordinator; and • HS2 Phase 2b – Lead Author.
Environment – EIA Lead	Michael Williams	<ul style="list-style-type: none"> • MSc Meteorology and Climatology • BSc (Hons) Geography • AIEMA 	<p>Michael specialises in the project management and delivery of a wide range of Environmental Impact Assessments, particularly in the oil and gas, power, carbon capture, nuclear, industrial, retail, residential, commercial, and cultural sectors and works closely on a daily basis with clients, sub-consultants, architects, and engineers. His 21+ years of experience includes managing and leading large project teams as well as project and financial management, technical content quality assurance and stakeholder engagement consultation.</p> <p>Michael has an extensive understanding of many of the technical EIA areas and is experienced in managing the issues and impacts surrounding large-scale, high profile development pipeline projects</p>

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			<p>both within and outside of the UK. He is also familiar with the UK planning system (both TCPA and DCO) and is experienced in working alongside the requirements of strategic, national, regional, and local planning policy and guidance. Key relevant experience includes projects such as the Scotland to England Green Link HVDC Cable Project and pipeline projects including the Tilenga Project and South Stream Project.</p>
EIA Coordinator	Hugo White	<ul style="list-style-type: none"> • BSc Environmental Science • National General Certificate in Occupational Health and Safety (NEBOSH) • GradIEMA 	<p>Hugo has four years of consultancy experience working on a variety of projects including several EIA's, including Nationally Significant Infrastructure, as well as applications submitted under the Town and County Planning Act within energy, road, rail, and urban regeneration sectors. He has knowledge and understanding of the regulatory processes that exist whilst working on large scale infrastructure projects. Hugo has produced non-technical and cumulative chapters for Environmental Statements and has coordinated inputs from environmental specialists for the successful completion of projects. Relevant project experience includes:</p> <ul style="list-style-type: none"> • Nautilus Interconnector (TCPA); • TKRE Cable Tunnel Upgrade Project (TCPA); • Immingham Green Energy Terminal (DCO); • A27 Arundel Bypass (DCO); • A34 Lodge Hill (TCPA); • Didcot HIF Road Scheme (TCPA); • GridLink Interconnector (Non-EIA planning application); and • Crystal Palace Park (TCPA).
EIA Coordinator	Helen Travers	<ul style="list-style-type: none"> • MSc Environmental Monitoring, Modelling and Reconstruction 	<p>Helen has 10 years of consultancy experience working on a variety of EIA projects, both under the NSIP and TCPA consenting regimes within energy, highways, and water sectors. Helen has a</p>

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		<ul style="list-style-type: none"> • BSc (Hons) Geography • PIEMA • MIEEnvSc 	<p>strong understanding of UK planning and consenting requirements and has successfully prepared, coordinated, and delivered environmental assessments and other consenting requirements on a number of projects, including:</p> <ul style="list-style-type: none"> • Humber Low Carbon Pipeline (DCO); • Western Gas Network Project (non-statutory EIA for PD); • Scottish to England Green Link 1 (SEGL1) (Marine Licencing); • TKRE Cable Tunnel Upgrade Project (TCPA); • Mid Wales Connection Project (DCO); • Lower Thames Crossing (DCO); • A585 Windy Harbour to Skippool (DCO); • Trans-Pennine Upgrade (DCO); • Birmingham Resilience Project (TCPA); • Start up to Waste (TCPA); and • Chichester Wastewater Pipeline (TCPA).
Ecology and Biodiversity	Kirstin Aldous	<ul style="list-style-type: none"> • BSc (Hons) Zoology • MSc Environmental Management • Full member of the Chartered Institute of Ecology and Environmental Management (MCIEEM) 	<p>Kirstin has 12 years of consultancy experience. She is experienced completing habitat and species surveys and holds Natural England licenses to survey great crested newts and bats. Kirstin completes complex technical work including the preparation of reports to inform Habitats Regulations Assessment, European Protected Species Licence Applications and Ecology Chapters for Environmental Statements. Her project experience includes ecology work to support:</p> <ul style="list-style-type: none"> • H2Teesside and Hygreen (blue and green hydrogen production); • High Speed 2 (HS2); • Sunderland Advanced International Manufacturing Plant (IAMP); and

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Landscape and Visual	Rebecca Condillac	<ul style="list-style-type: none"> • BA(Hons) Landscape Architecture • Grad Dip Landscape Architecture • Chartered Member of the Landscape Institute 	<ul style="list-style-type: none"> • Several windfarms in Cumbria. <p>Rebecca has 19 years' experience of undertaking landscape and visual impact assessments including the production of assessments and landscape mitigation plans for large scale infrastructure developments including:</p> <ul style="list-style-type: none"> • Net Zero Teeside DCO; • Trans Pennine Rail Upgrade; • HS2; • Keadby 3 Power Station DCO; • Eggborough CCGT Power Station DCO; and • East Yorkshire Solar Farm DCO.
Historic Environment	Neil Macnab	<ul style="list-style-type: none"> • BA (Hons) Archaeology • Member of the Chartered Institute for Archaeology (MCIfA) 	<p>Neil has over 30 years' experience in Archaeology and Cultural Heritage consultancy, including researching and writing Desk-Based Assessments and Environmental Impact Assessments / Environmental Statements, and designing, managing, delivering, and publishing complex archaeological projects for large-scale infrastructure projects. His experience includes:</p> <ul style="list-style-type: none"> • Cultural Heritage Lead on 14 large-scale highways projects in England and 6 highways projects in Northern Ireland; • Cultural Heritage Lead on a large number of other infrastructure and development projects including rail, power, alternative fuels, renewables, water, residential, commercial, and mixed-use development projects; • Cultural Heritage Lead and Expert Witness on archaeology and cultural heritage at the DCO Public Examination and Judicial Review for the A303 Amesbury to Berwick Down (Stonehenge Tunnel) Scheme, as well as other public inquiries and planning appeals;

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			<ul style="list-style-type: none"> • Designer’s Archaeologist for the 30km A46 Newark to Widmerpool Improvement Scheme; and • Principal Cultural Heritage Advisor seconded to Highways England in 2016-2017 and providing advice on all aspects of archaeology and cultural heritage.
Geology and Hydrogeology	Damian Watkin	<ul style="list-style-type: none"> • BSc Applied Environmental Geology • MSc Contaminated Land Management • Chartered Geologist and Fellow of the Geological Society • SoBRA accredited (ASoBRA) risk assessor for vapour intrusion and permanent gases • CL:AIRE Definition of Waste Code of Practice Qualified Person 	<p>Damian has over 25 years’ experience on the assessment and remediation of contaminated land including major linear infrastructure projects and experience of producing ES chapters. Project experience includes:</p> <ul style="list-style-type: none"> • Mersey Gateway Project – including preparation of the Geology and Soils ES chapter and advisor to the Mersey Gateway Crossings Board during construction for contaminated land; • Parkside Link Road – including preparation of the Geology and Soils ES chapter, remediation strategy, materials management • Warrington Centre Park Link Road – Ground Conditions ES chapter; • A55 North Wales, Geology and Soils ES Chapter for replacement of two existing roundabouts; • National Highway’s TA2 Framework - Chichester Bypass and M2 Junction 7 Appraisal Specification Reports and Environmental Scoping Reports; • Gwynt Y Mor Offshore Wind Farm – preparation of the ground conditions ES chapter for the onshore works; and • Norway Interconnector Project, Northumberland – preparation of the Geology and Ground Conditions ES chapter for onshore underground electricity cables and a converter station <p>Experience on other large infrastructure works includes:</p>

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			<ul style="list-style-type: none"> • HS2 Phase 1 (North) Early Works Contract providing the technical lead for Land Quality and Materials Management Plans; and • HS2 Phase 2B Environmental Oversight Consultant Land Quality team reviewing geology and soils ES chapters and borrow pit proposals.
Agriculture and Soils	Helen Simpson	<ul style="list-style-type: none"> • BSc. Environmental Sciences • MSc • PhD 	<p>Helen has over 20 years' experience within the environmental sector, following a successful academic career. Helen has authored soils reporting including, but not limited to, EIA and stand-alone soils and ALC technical reports, Soil and Peat Management Plans, Soil Suitability and Reuse Assessments, and Peat Carbon Accounting. Helen has a detailed knowledge of a wide range of technical disciplines and business sectors; and has worked extensively on the production and co-ordination of EIA for a range of schemes including linear gas and electricity infrastructure developments; surface coal and quarrying; renewable energy (solar and wind); mid to large scale housing developments; and mixed-use schemes. Examples of energy infrastructure projects which Helen has been involved with include:</p> <ul style="list-style-type: none"> • Scotland England Green Link 1 and 2; • Viking Link; • North Wales Connection Project; • North Sea Link; and • East Yorkshire Solar Farm. <p>Helen was also Safety, Health and Environmental Advisor on range of trans-Pennine 1220mm diameter 85 bar g gas transmission pipelines and associated AGI facilities, including Easington Terminal, at planning and construction phases.</p>

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Water Environment	Kate Barnett	<ul style="list-style-type: none"> • BEng Civil and Environmental Engineering • MSc Water Resources Management • Chartered Institute of Water and Environmental Management • New Zealand Hydrological Society 	<p>Kate has over 10 years' experience in water resources, EIAs, water quality investigation and improvement projects, flood risk assessments, hydrology and wetland studies, hydraulic and hydrological modelling, stormwater management plans, fish passage and INNS projects years. Recent examples of projects Kate has been involved with include:</p> <ul style="list-style-type: none"> • Humber Zero Carbon Capture Project EIA; • South-West England pumped water storage scheme; • Severn Trent Water WFD No Deterioration Monitoring; • Natural England Cheshire Meres Nutrient Neutrality Monitoring; • Environment Agency River Axe Hydromorphological Research Project; • SWW Heavily Modified Waterbody WINEP assessments; • A1 Doncaster to Donnington Environmental Assessment Report; and • London Tunnel Dewatering Surface Water discharge permit assessment.
Traffic and Transport	Stephen Moss	<ul style="list-style-type: none"> • BEng (Hons) • MICE • MCIHT 	<p>Stephen has 30 years' experience in traffic and transportation and has completed numerous studies for both the private and public sector, with some recent examples as follows:</p> <p>Previous ES Chapters for the following:</p> <ul style="list-style-type: none"> • Onshore cable element of the Viking Link for National Grid; • Glyn Rhonwy Pumped Storage Hydro scheme; • Air Products Ammonia Terminal at Immingham; • Teesside Net Zero; • H2 Teesside; • HyGreen, Teesside; • SEGL2 onshore scheme for National Grid; and

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			<ul style="list-style-type: none"> • Peterhead CCGT. <p>Other experience:</p> <ul style="list-style-type: none"> • Ongoing support to National Highways in Leicestershire to review planning applications; • Numerous secondments with National Highways, including a 6-month period as Patch Manager for the South and East Yorkshire Regions; • Support to Barnsley MBC to prepare the transport evidence for the Local Plan; and • High level traffic and transport advice to ABP in relation to the potential issues associated with the redevelopment of 7 sites within the UK.
Noise and Vibration	Edward Robinson	<ul style="list-style-type: none"> • BSc Physics with Music • Diploma in Acoustics and Noise Control • Member of the Institute of Acoustics 	<p>Edward has 17 years' experience carrying out environmental acoustics assessments. Edward has a strong history of dealing with complex and challenging projects. Additionally, he has experience of delivering ES chapters that form part of a DCO application. Previous project experience includes:</p> <ul style="list-style-type: none"> • Longfield DCO; • Sunnica DCO; • Slough Multifuel DCO; and • Tilenga Project.
Air Quality	Gareth Hodgkiss	<ul style="list-style-type: none"> • BSc (Hons) Geography • MSc Environmental Management • Member of the Institute of Air Quality Management • Member of the Institution of Environmental Sciences 	<p>Gareth has 16 years of experience in the assessment of air quality impact for various schemes including major linear infrastructure projects. He has experience of delivering ES chapters that form part of a DCO application and has acted as Expert Witness at Public Inquiry. Project examples include:</p> <ul style="list-style-type: none"> • York Potash Mine and Pipeline, North Yorkshire Moors; • North Wales Connection DCO;

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			<ul style="list-style-type: none"> • Immingham Green Emissions Terminal DCO; • High Speed 2 Phase A and Phase B; and • Various National Highways projects, including the M54-M6 Link Road DCO.
Climate Change	Ian Davies	<ul style="list-style-type: none"> • BA Hons Environmental Studies • Member of the Institute of Environmental Management and Assessment (MIEMA) • Chartered Environmentalist (Cenv) 	<p>Ian has over 20 years' experience undertaking climate and sustainability assessments. Since the requirement in 2017 for producing climate impact assessment as part of EIA Ian has delivered multiple Climate Assessment studies for Environmental Statements across a range of sectors. Selected previous project experience includes:</p> <ul style="list-style-type: none"> • Sunnica Solar Farm; • Net Zero Teesside; • A303 Stonehenge; • Air Products Ammonia Terminal at Immingham; • Net Zero Humber; • H2 Teesside; • HyGreen, Teesside; and • London Luton Airport.
Socio-economics	Esther Howe	<ul style="list-style-type: none"> • MA (Oxon) • Member of the Royal Town Planning Institute • Member of the Institute of Economic Development 	<p>Esther has 19 years' experience in assessing the economic and social impacts of development projects. She applies these skills for private and public sector clients across the UK, to contribute to EIAs and business cases. Project experience includes:</p> <ul style="list-style-type: none"> • East Yorkshire Solar Farm DCO; • A64 Hopgrove Junction DCO; • A40 Smart Corridor and Access to Witney; • Cwm Taf Water Supply project; • Yorkshire GREEN DCO (energy transmission);

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Health and Wellbeing	Jonathan Howells	<ul style="list-style-type: none"> • BSc in Economic History with Population Studies • MSc in Urban Economic Development • Member of Institute of Economic Development 	<ul style="list-style-type: none"> • Sunnica Solar Farm DCO; and • Thames Tideway Tunnel DCO. <p>Jon is an Associate Director with over 15 years' experience working for AECOM on environmental impact assessments, including on Nationally Significant Infrastructure Projects (NSIPs). Jon frequently directs inputs into Environmental Statements (ESs) to inform both Development Consent Order (DCO) and other applications across a range of sectors. Jon has led on the health and wellbeing aspects and directed the socio-economics assessments for several NSIPS. Project experience includes:</p> <ul style="list-style-type: none"> • SEGL2 (Socio-economics); • Tideway Tunnel (Socio-economics and Health); • A303 Stonehenge (Population and Health); • Gate Burton Solar Farm (Health and Wellbeing); • Sunnica Solar Energy Farm (Health and Wellbeing); • Yorkshire GREEN (Health and Wellbeing); • Immingham Green Energy Terminal (Health and Wellbeing); and • Scotland to England GREEN Link (Socio-economic, Recreation and Tourism).
Materials and Waste	Lucy Hill	<ul style="list-style-type: none"> • MSc Environmental Management • University Advanced Diploma in Asphalt Technology • BSc (Hons) Environmental Science 	<p>Lucy has 15 years of experience providing expertise from a materials and waste perspective, including producing ES chapters for TCPA and DCO applications. Relevant project experience includes the following projects:</p> <ul style="list-style-type: none"> • Immingham Eastern Ro-Ro Terminal; • Immingham Green Energy Terminal; • VPI Immingham Open Cycle Gas Turbine (OCGT); • Humber Zero;

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		<ul style="list-style-type: none"> • Chartered Resource and Waste Manager (Member Chartered Institution of Wastes Management (MCIWM, CRWM) • Chartered Environmentalist (CEnv) • Individual Member International Solid Waste Association, International Waste Manager 	<ul style="list-style-type: none"> • Keadby 3 Carbon Capture Power Station; • H2 Teesside; • HyGreen Teesside; • Luton Rising (Luton Airport expansion); • Cwm Taf Water Treatment Works; • A1 Doncaster to Darrington, A1-A19 Junctions North of Newcastle (National Highways); • A34 Lodge Hill, A40 Smart Corridor and Access to Witney (Oxfordshire County Council); and • Chesterfield Staveley Regeneration Route (Derbyshire County Council).

