



Keuper Gas Storage Project

Project Glossary

November 2015

Application Ref No:
EN030002

**THE INFRASTRUCTURE PLANNING
(APPLICATIONS: PRESCRIBED FORMS AND
PROCEDURE) REGULATIONS 2009**

KEUPER GAS STORAGE PROJECT

PROJECT GLOSSARY

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1. Glossary of Terms

Term	Definition
the Act	The Planning Act 2008 (as amended).
the Applicant	Keuper Gas Storage Limited (KGSL), a wholly owned subsidiary of INEOS Enterprises Group Limited, is the applicant and will be the entity with the benefit of the Development Consent Order (defined in the draft Development Consent Order as the ‘undertaker’).
the Application	The application by KGSL for Development Consent for the Project.
Associated Development	Development needed to allow the infrastructure to operate as intended but which is not itself part of a Nationally Significant Infrastructure Project as defined in Section 115 (2) of the Act.
Authorised Development	Term used in the draft Development Consent Order to mean the development described in Schedule 1 of the draft Development Consent Order and any other development authorised by the Order, which is development within the meaning of Section 32 of the Act.
Brownhayes Farm Access Road	The area shaded brown within plot 5.01 on the Land Plan drawing 13-03-01/HOL/24/617 (Doc ref.2.2.8).
Brine	Salt water solution.
Brine Purification Plant	A process plant to purify the brine from the solution mining process
Brine and Water Business	INOVYN Enterprises Limited own land at Holford Brinefield and have leased those parts necessary to KGSL for the development of the Project. INOVYN Enterprises Limited will own and operate the existing brine and water infrastructure proposed to be used for the supply of water and offtake of brine in the solution mining for the Project.
Category 1	A person is within Category 1 if they meet the criteria set out in Section 57 (1) of the Planning Act 2008
Category 2	A person is within Category 2 if they meet the criteria set out in Section 57 (2) of the Planning Act 2008
Category 3	A person is within Category 3 if they meet the criteria set out in Section 57 (4) of the Planning Act 2008.
Cavity(ies)	See Gas Storage Cavity(ies)

Term	Definition
Energy National Policy Statements	The National Policy Statements EN-1, the Overarching National Policy Statement for Energy, and EN-4, National Policy Statement for Gas Supply Infrastructure & Gas and Oil Pipelines relating to Energy Infrastructure – designated on 19 th July 2011 by the Secretary of State for Energy and Climate Change.
Examining Authority	The National Infrastructure Directorate of the Planning Inspectorate.
Gas Marshalling Compound	A below ground pipework manifold to distribute gas to and from the cavities
Gas Processing Plant	A process plant to condition the gas to and from the National Transmission System.
Gas Storage Cavity(ies)	Underground cavern(s), created through solution mining, used to store natural gas.
Holford Gas Storage Project	The underground gas storage facility at the Holford Brinefield, owned by Holford Gas Storage Limited (E.ON Gas Storage UK).
Holford Brinefield	The UK’s largest operational brinefield, located in Cheshire and where the Keuper Gas Storage Project is proposed to be developed.
Holford Site	Land at the southern end of the Holford Brinefield and surrounding area, north of Middlewich, Cheshire.
INOVYN ChlorVinyls Limited	INOVYN ChlorVinyls Limited (ICV), whose registered address is Runcorn Site HQ, South Parade, PO Box 9, Runcorn, Cheshire, WA7 4JE and company registration no.: 04068812. ICV own and operate the Runcorn Site.
INOVYN Enterprises Limited	INOVYN Enterprises Limited (IEL), whose registered address is Runcorn Site HQ, South Parade, Runcorn, Cheshire, WA7 4JE and company registration no.: 04651437.
INEOS Enterprises Group Limited	INEOS Enterprises Group Limited (IEGL), whose registered address is Runcorn Site HQ, South Parade, PO Box 9, Runcorn, Cheshire, WA7 4JE and company registration no.: 04687714, is the parent company to KGSL and a number of other chemical manufacturing businesses. IEGL is ultimately owned by INEOS A.G. (A global chemical manufacturing company headquartered in Switzerland)

Term	Definition
INOVYN	<p>A new joint venture between INEOS A.G. and Solvay S.A., to be known as INOVYN, which includes the businesses of IEL and ICV.</p> <p>The Brine & Water Business is part of the INOVYN group of businesses. The Applicant, KGSL, will remain within the ownership of its parent company INEOS Enterprises Group Limited and will not form part of the INOVYN joint venture.</p>
Land Plan(s)	<p>Means the plan certified as the Land Plan by the Secretary of State for the purposes of the Order.</p>
Listed Building	<p>A building listed as being of special architectural or historic interest under Planning (Listed Building and Conservation Areas) Act 1990 (as amended).</p>
Lostock Works Site	<p>Lostock Works Site is located at Lostock Works, Griffiths Road Northwich, Cheshire, CW9 7NU and is where the existing Brine Purification Plant is located. The Lostock Works Site is owned and operated by INOVYN Enterprises Limited. An adjacent site “Lostock Works” is owned by Tata Chemicals Europe Limited and does not form part of the Project except as a customer for brine. The Lostock Works Site is shown on Drawing No. 13-03-01/HOL/24/234 (Doc ref 2.5.5).</p>
Lostock Works Area	<p>Lostock Works Area is located at Lostock Works Site, Griffiths Road, part of the Brine Purification Plant owned and operated by INOVYN Enterprises Limited. The Lostock Works Area is shown on Drawing No. 13-03-01/HOL/24/234 (Doc ref 2.5.5). The area is to be used for the construction and use of two new tanks.</p>
Main Assessment Area	<p>The area of development within the Order limits where gas storage cavities and compounds, solution mining compound and gas marshalling compounds including NTS connection, Gas Processing Plant and other infrastructure development as shown in Figure 5.3 of the Environmental Statement.</p>
Main Development Area	<p>The area shown within the Order limits on the Land Plans drawing 13-03-01/HOL/24/614, 615, 616 and 617 (Doc refs. 2.2.5 to 2.2.8).</p>
National Grid	<p>Means National Grid Gas plc (Company registration number 02006000) or any successor company performing the same functions.</p>
National Transmission System	<p>National Grid’s national gas supply network.</p>

Term	Definition
Non Statutory Consultation	Early engagement undertaken to help raise awareness of the project and influence the formal statutory consultation process.
the Order	The Development Consent Order applied for by KGSL under the Planning Act 2008.
Order Land	Means the land shown on the Land Plans and described in the Book of Reference (Doc ref. 4.3).
Order limits	The limits shown on the works plans within which the authorised development may be carried out as shown on Drawing Nos. 13-03-01/HOL/24/100 – 107 (Doc refs. 2.1.1 to 2.1.8).
Owner	In relation to land, has the same meaning as in Section 7 of the Acquisition of Land Act 1981.
the Project	Construction and operation of an underground gas storage facility to store gas in, extract gas from and inject gas into, with a total storage capacity of 500 million standard cubic metres (mcm) and having an import and export capability of up to 34 mcm per day, comprising 19 operational underground cavities formed by solution mining on and under land at the southern end of the Holford Brinefield and surrounding area, north of Middlewich, Cheshire.
the Runcorn Brine Outfall Area	Land to be used to construct and host the brine outfall pipe covering the area from the existing outfall at Weston Canal (Weaver Navigation) at the Runcorn Site to the new outfall into the Manchester Ship Canal, as shown on Drawing No.13-03-01/HOL/24/236 (Doc ref. 2.5.7).
the Runcorn Site	A large chemical works manufacture site predominately owned by INOVYN ChlorVinyls Limited in Runcorn, Cheshire.
Scheduled Monument	A nationally important site or monument Scheduled under Ancient Monuments and Archaeological Areas Act 1979 (as amended).
Solution Mining	The process for creating cavities by which water is pumped into a borehole drilled into the salt bed and as the surrounding salt is dissolved into a solution a void or cavity in the salt deposit is formed.
Solution Mining Compound	A process plant to pump and distribute brine and water associated with the solution mining process.
Statement of Common Ground	A document clearly stating any areas of agreement and / or disagreement between two parties in relation to a particular aspect of the Application.

Term	Definition
Statutory Consultation	The consultation undertaken to fulfill the applicant's duty to consult prior to submitting an application for a development consent order as required by Chapter 2 of Part 5 of the Act.
Statutory Undertaker's Apparatus Plan	The Statutory Undertaker's Apparatus Plan (Doc ref. 2.8.33) shows the locations of apparatus belonging to statutory undertakers within the Order limits.
SOLVAY S.A.	SOLVAY S.A. is headquartered and registered in Brussels and is a global chemical manufacturing business. Solvay's vinyl and PVC manufacturing assets form part of the INOVYN joint venture.
Stublach Gas Storage Project	The underground gas storage facility at the Holford Brinefield, owned by Storengy UK Limited (a subsidiary of GDF Suez).
Telford Wall	The wall between Manchester Ship Canal and Weaver Navigation.
the Whitley Pumping Station Area	The existing Whitley Pumping Station at Whitley, Cheshire to be refurbished as part of the project, as shown on Drawing No.13-03-01/HOL/24/235 (Doc ref. 2.5.6).
Works Plan(s)	This means the plan certified as the Work Plan by the Secretary of State for the purposes of the Order.

2. Acronyms

Abbreviation	Term
µg	Microgram
AAP	Area of Archaeological Potential
ACZ	Archaeological Character Zone
AD	Anno Domini
ADMS	Atmospheric Dispersion Modelling System
AES	Annual Energy Statement
AIL	Abnormal Indivisible Load
ALC	Agricultural Land Classification
Am ³	Actual Metre Cubed
AOD	Above Ordnance Datum
Aol	Area of Influence
AoS	Appraisal of Sustainability
APIS	the UK Air Pollution Information System
AQMA	Air Quality Management Area
AQS	Air Quality Standard
ATC	Automatic Traffic Count
BAS	Biodiversity Action Site
BAT	Best Available Techniques
bcm	Billion Cubic Metres
BGS	British Geological Survey
BMV	Best and Most Versatile

Abbreviation	Term
BoCC	Birds of Conservation Concern
BPEO	Best Practicable Environmental Option
BTO	British Trust for Ornithology
CAI	Compulsory Acquisition Information
CBC	Common Bird Census
CDM	Construction Design Management Regulations 2007
CEC	Cheshire East Council
CEH	Centre for Ecology and Hydrology
CEMP	Construction Environmental Management Plan
Cg	Crewe Group
CHER	Cheshire Historic Environmental Record
CIEEM	Chartered Institute of Ecology and Environmental Management
CMP	Consents Management Plan
COMAH	Control of Major Accident Hazards
CP	Civil Parish
CRoW	Countryside and Rights of Way Act 2000
CRT	Canal and River Trust
CSM	Conceptual Site Model
CSU	Consents Service Unit
CWCC	Cheshire West and Chester Council
DAS	Design and Access Statement
dB	Decibel

Abbreviation	Term
DBA	Desk Based Assessment
DCLG	Department for Communities and Local Government
DCO	Development Consent Order
DECC	Department for Energy and Climate Change
DEFRA	Department for Environment, Food and Rural Affairs
DMRB	UK Highways Agency Design Manual for Roads and Bridges
DTM	Digital Terrain Model
EA	Environment Agency
EA PPG	Environment Agency Pollution Prevention Guidelines
EC	European Commission
ECHR	European Convention of Human Rights
ECJ	European Court Justice
EcIA	Ecological Impact Assessment
eDNA	Environmental DNA
EHO	Environmental Health Officer
EIA	Environmental Impact Assessment
ELC	The European Landscape Convention
EMP	Environmental Management Plan
EN-1	The Overarching National Policy Statement for Energy
EN-4	National Policy Statement for Gas Supply Infrastructure and Gas and Oil Pipelines
EP	Environmental Permit

Abbreviation	Term
EPA	The Environmental Protection Act 1990
EPR	Environmental Permitting Regulations (England and Wales) 2010
EPS	European Protected Species
EPUK	Environmental Protection UK
EQS	Environmental Quality Standards
ES	Environmental Statement
EU	European Union
ExA	Examining Authority
Fm	Formation
FRA	Flood Risk Assessment
FTE	Full Time Equivalent
GCN	Great Crested Newt
GCRS	Geological Conservation Review Sites
GLVIA 3	The Guidelines for Landscape and Visual Impact Assessment
g/l	Grams per litre
GSPF	Gas Security Policy Framework
H1	Environment Agency's Horizontal Guidance H1
ha	Hectare
HA	Highways Agency
HBC	Halton Borough Council
HDPE	High-Density Polyethylene

Abbreviation	Term
HER	Historic Environmental Record
HGSL	Holford Gas Storage Limited
HGSP	Holford Gas Storage Project
HGV	Heavy Goods Vehicle
HP	High Pressure
HRA	Habitats Regulation Assessment
HSC	Hazardous Substances Consent
HSE	Health and Safety Executive
HSI	Habitat Suitability Index
IAQM	UK Institute of Air Quality Management
ICR	Interim Consultation Report
ICV	INOVYN Chlorvinyls Limited
IDB	Internal Drainage Board
IEA	The UK Institute of Environmental Assessment
IEL	INOVYN Enterprises Limited
IEEM	Institute of Ecology and Environmental Management (now CIEEM)
IEGL	INEOS Enterprises Group Limited
IEMA	Institute of Environmental Management and Assessment
IfA	Institute for Archaeologists
IHT	Institution of Highways and Transportation
IPC	Infrastructure Planning Commission (now abolished)
IROPI	Imperative Reasons of Overriding Public Interest

Abbreviation	Term
ISO	International Organisation for Standardization
JNCC	Joint Nature Conservation Committee
JSA	Job Seekers Allowance
Kg	Kilogram
KGSL	Keuper Gas Storage Limited (the Applicant)
KGSP	Keuper Gas Storage Project
km	Kilometres
KSF	King Street Fault
kV	Kilovolt
LBAP	Local Biodiversity Action Plan
LCA	Landscape Character Area
LCT	Landscape Character Type
LDF	Local Development Framework
LDV	Light Duty Vehicle
LNG	Liquefied Natural Gas
LNR	Local Nature Reserve
LONI	Letter of No Impediment
LPA	Local Planning Authority
LPP	Local Policy Plan
LTN	Local Transport Note
LTP	Local Transport Plan
LVA	Landscape and Visual Amenity

Abbreviation	Term
LVIA	Landscape and Visual Impact Assessment
LWS	Local Wildlife Site
m	Metre
M ³	Cubic Metre
MAA	Main Assessment Area
MAGIC	Multi Agency Geographic Information for the Countryside
MANWEB	Merseyside And North Wales Electricity Board
mbod	Metres below Ordnance Datum
mcm	Million Standard Cubic Metres
MEP	Member of European Parliament
MP	Member of Parliament
MPS	Marine Policy Statement
MSC	Manchester Ship Canal
MVA	Megavolt Ampere
NBN	National Biodiversity Network
NCA	National Character Area
NE	Natural England
NERC	Natural Environment and Rural Communities
NG	National Grid
NHM	Northwich Halite Member
NID	National Infrastructure Directorate
NML	Noise Monitoring Locations
NNR	National Nature Reserve

Abbreviation	Term
NO _x	General term for the mono-nitrogen oxides NO and NO ₂ (Nitric Oxide and Nitrogen Dioxide)
NPPF	National Planning Policy Framework
NPS	National Policy Statement
NRMM	Non-Road Mobile Machinery
NSIP	Nationally Significant Infrastructure Project
NSR	Noise Sensitive Receptor
NSRI	National Soil Resources Institute
NTS	National Transmission System
ODPM	Office of the Deputy Prime Minister
Ofgem	Office of Gas and Electricity Markets
OSGR	Ordnance Survey Grid Reference
PARCA	Planning and Advanced Reservation of Capacity Agreement
PCA	Planning and Consent Agreement
PEC	Predicted Environmental Contribution
pH	A measure of the acidity or alkalinity of a solution
PEIR	Preliminary Environmental Information Report
PINS	Planning Inspectorate
PO	Project Overview
PPE	Personal Protective Equipment
PPG	Planning Policy Guidance
PPL	Potential Pollutant Linkage
PPS	Planning Policy Statement
PSU	Practical Salinity Unit

Abbreviation	Term
PVC	Polyvinyl Chloride
RDS	Rural Development Service
RIGS	Regionally Important Geological Sites
RSPB	Royal Society for the Protection of Birds
SAC	Special Area of Conservation
SM	Scheduled Monument
SBI	Site of Biological Importance
SCI	Statement of Community Involvement
SCP	Sediment Control Plan
SGSP	Stublach Gas Storage Project
SHSF	Shirdley Hill Sands Formation
SM	Scheduled Monument
SMF	Sidmouth Mudstone Formation
SMP	Soil Management Plan
SNCBs	Statutory Nature Conservation Bodies
SoCC	Statement of Community Consultation
SoCG	Statement of Common Ground
SoE	Statement of Engagement
SoS	Secretary of State
SPA	Special Protection Area
SPEN	Scottish Power Energy Networks
SRM2	The Dutch Standard Calculation Method For Road Traffic Noise
SSG	Sand Stone Group

Abbreviation	Term
SSSI	Site of Special Scientific Interest
SuDS	Sustainable Drainage System
TA	Transport Assessment
TP	Travel Plan
UGS	Underground Gas Storage
UKCS	UK Continental Shelf
ULSD	Ultra-Low Sulphur Tax Exempt Diesel
WCA	Wildlife and Countryside Act 1981
WFD	Water Framework Directive
WRAP	Waste and Resources Action Programme
ZTV	Zone of Theoretical Visibility