KEADBY
NEXT GENERATION
POWER STATION
Hydrogen-enabled flexible power

A collaboration between SSE Thermal and Equinor

The Keadby Next Generation Power Station Project

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The Keadby Next Generation Power Station Development Consent Order [year]

Environmental Statement (ES)

Volume II – Appendix 22A Schedule of Commitments

The Planning Act 2008

The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017

Applicant: Keadby Next Generation Limited

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Glossary

Abbreviation/	Description
ACoP	Approved Code of Practice
ALARP	As Low As Reasonably Practicable
ALC	Agricultural Land Classification
BAT	Best Available Techniques
CCGT	Combined Cycle Gas Turbine
CDM	Construction Design and Management Regulations 2015
CEMP	Construction Environmental Management Plan
CEMS	Continuous Emissions Monitoring System
CHP	Combined Heat and Power
COMAH	Control of Major Accident Hazards
COSHH	Control of Substances Hazardous to Human Health Regulations
CTMP	Construction Traffic Management Plan
CWTP	Framework Construction Workers' Travel Plan
DCO	Development Consent Order -
DEMP	Decommissioning Environmental Management Plan
EMS	Environment Management System
EPC	Engineering, Procurement and Construction (EPC) contractor
GHG	Greenhouse Gases
HGV	Heavy Goods Vehicle
HSE	Health and Safety Executive

Abbreviation/	Description
IDB	Internal Drainage Board
INNS	Invasive Non-native Species
ISO	International Organization for Standardization
JNCC	The Joint Nature Conservation Commission
PSR	Pipelines Safety Regulations
SWMP	Site Waste Management Plan
WMP	Water Management Plan

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22A. Commitments Register

22A.1. Overview

22A.1.1. Notwithstanding anything to the contrary in **ES Volume I Chapters 4, 5**, and **8 – 18** of this Environmental Statement (ES) (**Application Document Ref. 6.2**), this Commitments Register constitutes the definitive set of commitments made by the Applicant in this Development Consent Order (DCO) Application.

Table 22A.1: Commitments Register

Reference / Chapter	Commitment	Secured by
Construction		
ES Volume I Chapters 5: Construction Programme and Management **and ES Volume I 10:** Traffic and Transport (**Application Document Ref. 6.2**), **Outline CTMP** (**Application Document Ref. 7.5)** and **Outline CWTP** (**Application Document Ref. 7.6)**.	The appointed contractor will be required to prepare a Construction Traffic Management Plan (CTMP) and Construction Workers' Travel Plan (CWTP) and this is secured by a Requirement in the **Draft DCO** (**Application Document Ref. 3.1**). These plans will be in accordance with the **Outline CTMP** (**Application Document Ref. 7.5**) and **Outline CWTP** (**Application Document Ref. 7.6**) respectively	DCO Schedule 2 (**Application Document Ref. 3.1**)

Reference / Chapter	Commitment	Secured by
ES Volume I Chapters 4: The Proposed Development and **ES Volume I Chapter 5:** Construction Programme and Management (**Application Document Ref. 6.2)** and **Outline Lighting Strategy (Application Document Ref. 5.11)**	Construction temporary lighting will be arranged so that glare is minimised outside the site as far as is reasonably practical. The Appointed Contractors will be responsible for establishing the required approach to and levels of lighting, and a final Lighting Strategy will be prepared for approval pursuant to a Requirement in the **Draft DCO** (**Application Document Ref. 3.1)**. The Lighting Strategy will be produced using details within the **Outline Lighting Strategy** (**Application Document Ref. 5.11**).	DCO Schedule 2 (**Application Document Ref. 3.1**)
ES Volume I Chapters 5: Construction Programme and Management**, ES Volume I Chapter**	A final Construction Environmental Management Plan (CEMP) will be prepared by the Engineering Procurement and Construction (EPC) Contractor(s) prior to construction. The final CEMP will identify how commitments made within the ES and DCO documents will be translated into actions on the Site including details such as the allocation of key roles and responsibilities. The submission, approval	DCO Schedule 2 (**Application Document Ref. 3.1**):

Reference / Chapter	Commitment	Secured by
8: Air Quality**, ES Volume I Chapter 11:** Biodiversity, Ecology and Nature Conservation**, ES Volume I Chapter 12:** Water Environment and Flood Risk**, ES Volume I Chapter 13:** Geology, Hydrogeology and Land Contamination**, ES Volume I Chapter 17:** Population and Human Health and **ES Volume I Chapter 18:** Climate Change and Sustainability (**Application Document Ref.**	and implementation of this is secured through a Requirement in the **Draft DCO** (**Application Document Ref. 3.1**). An **Outline CEMP** is included in the ES (**Application Document Ref. 7.4**), which accompanies the DCO application and sets out the key measures to be employed to control and minimise the impacts on the environment. The final CEMP will be prepared by the EPC Contractor(s) in accordance with the **Outline CEMP** (**Application Document Ref. 7.4**).	

Reference / Chapter	Commitment	Secured by
6.2) and **Outline CEMP** (**Application Document Ref. 7.4)**		
ES Volume I Chapter 8: Air Quality (**Application Document Ref. 6.2)**, and **Outline CEMP** (**Application Document Ref. 7.4)**	Emissions of dust and particulates from the construction phase of the Proposed Development will be controlled in accordance with industry best practice, through incorporation of appropriate control measures according to the risks posed by the activities undertaken. The management of dust and particulates and application of adequate mitigation measures will be enforced through embedding measures specified in the final CEMP as outlined in the **Outline CEMP** (**Application Document Ref. 7.4**).	DCO Schedule 2 (**Application Document Ref. 3.1**).
ES Volume I Chapter 9: Noise and Vibration (**Application Document Ref. 6.2)** and **Outline CEMP** (**Application**	Measures to mitigate noise will be implemented during the construction phase of the Proposed Development in order to minimise impacts at local noise sensitive receptors (NSR) and ecological receptors, particularly with respect to activities required outside of core working hours. Mitigation which is to be included in the final CEMP and as outlined in the **Outline CEMP** (**Application Document Ref. 7.4)**.	DCO Schedule 2 (**Application Document Ref. 3.1**).

Reference / Chapter	Commitment	Secured by
Document Ref. 7.4)		
ES Volume I Chapter 5: Construction Programme and Management (**Application Document Ref. 6.2**), **Outline CTMP** (**Application Document Ref. 7.5)** and **Outline CWTP** (**Application Document Ref. 7.6)**.	Core construction working hours would be 07:00 and 19:00 Monday to Friday (except bank holidays) and 08:00 and 13:00 on Saturdays. However, it is likely that some construction activities may need to be undertaken outside of these core working hours. Where on-site works are to be conducted outside the core hours, they would comply with any restrictions agreed with the local planning authority, in particular regarding control of noise and traffic. Requirements in the Draft DCO (**Application Document Ref. 3.1**) secure the working hours and the approach to exceptions to the core working hours. Any such works will be minimised and will be carefully managed to reduce effects on the local community.	DCO Schedule 2 (**Application Document Ref. 3.1**).
ES Volume I Chapter 4: The Proposed	Prohibited materials such as asbestos, polychlorinated biphenyls (PCBs), ozone depleting substances and carcinogenic materials will not be allowed within the design and construction of the built form of the Proposed Development. Other materials recognised to pose a risk	Building Regulations 2010 (as amended) and rules in specific

Reference / Chapter	Commitment	Secured by
Development (**Application Document Ref. 6.2)**	to health, but which are not prohibited, will be subject to a detailed risk assessment.	legislation such as Control of Asbestos Regulations 2012.
ES Volume I Chapter 4: The Proposed Development (**Application Document Ref. 6.2)**	A Health and Safety Plan will be written. A competent and adequately resourced Construction (Design and Management) (CDM) Coordinator and Appointed Contractors will be appointed. The Applicant will ensure that its own staff, its designers and contractors follow the Approved Code of Practice (ACoP) laid down by the CDM Regulations 2015.	Health and Safety at Work etc. Act (1974) Construction Design and Management Regulations (2015)
ES Volume I Chapter 5: Construction Programme and Management and **ES Volume I Chapter 20:** Waste and Materials	A Site Waste Management Plan (SWMP) based on the Outline SWMP (Appendix C of the **Outline CEMP** (**Application Document Ref. 7.4**)) will be developed as part of the final CEMP. Compliance with the final CEMP in respect of construction wastes is secured by a specific Requirement in the Draft DCO (**Application Document Ref. 3.1**).	DCO Schedule 2 (**Application Document Ref. 3.1**).

Reference / Chapter	Commitment	Secured by
(**Application Document Ref. 6.2)**		
ES Volume I Chapter 5: Construction Programme and Management and **ES Volume I Chapter 20:** Waste and Materials (**Application Document Ref. 6.2)**	The SWMP will require that the Appointed Contractor(s) segregate waste streams on-site, prior to them being taken to a permitted waste facility for recycling or disposal. All waste to be removed from the Site will be undertaken by licensed waste carriers and taken to permitted waste facilities. The SWMP forms part of the CEMP. Compliance with the CEMP, of which the SWMP forms part, is secured by a specific Requirement in the **Draft DCO** (**Application Document Ref. 3.1**).	DCO Schedule 2 (**Application Document Ref. 3.1**).
ES Volume I Chapter 5: Construction Programme and Management	No hazardous materials would be stored unbunded within the construction laydown areas. All construction laydown areas would be secured by security fencing and gates as appropriate. Storage areas for flammable/ toxic corrosive materials will be located in a separate, locked, bunded and fenced off area. Material data	DCO Schedule 2 (**Application Document Ref. 3.1**).

Reference / Chapter	Commitment	Secured by
(**Application Document Ref. 6.2)**	sheets will be available for all these materials and the COSHH (Control of Substances Hazardous to Health) assessments kept within the relevant risk assessment for the task, all subject to the Applicant's approval. These measures will be included in the final CEMP in accordance with the **Outline CEMP** (**Application Document Ref. 7.4**).	
ES Volume I Chapter 5: Construction Programme and Management (**Application Document Ref. 6.2)**	HGV delivering construction materials would access the Site from the Site entrance off the A18, with all HGV arriving and departing to/ from the west via the A18, A161 and onwards to the M180 Junction 2. An abnormal load strategy will be prepared as part of the CTMP which will specify the approach to delivering abnormal loads to Site. Three abnormal load routes are available depending on the load size - by road from Immingham Dock via the M180 to the A18 and into Site, - by road via Ealand village from the A161, New Trent Road and Bonnyhale Road, or - by boat from the Port of Immingham to the Waterborne Transport Off-Loading Area (Railway Wharf).	DCO Schedule 2 (**Application Document Ref. 3.1**).

Reference / Chapter	Commitment	Secured by
ES Volume I Chapter 5: Construction Programme and Management (**Application Document Ref. 6.2)**	For the proposed emergency access bridge, initial site clearance will be undertaken including vegetation clearance. The Internal Drainage Board (IDB) will require the channel beneath the proposed emergency bridge crossing to be lined to prevent vegetation growth as this area will no longer be accessible to machinery. This detail will be included as part of the bridge design in Work No. 8 in the detailed design which will be secured by the **Draft DCO (Application Document Ref. 3.1).** The IDB will be consulted on this detail as part of the consenting process which will be undertaken at the detailed design stage.	The detailed design will be secured by DCO Schedule 2 (**Application Document Ref. 3.1**). Requirement for IDB consent for any works affecting IDB drains.
ES Volume I Chapters 5: Construction Programme and Management and **ES Volume I Chapter 20:** Waste and Materials (**Application**	Any excess spoil generated during construction will be managed through the SWMP that would form part of the final CEMP. Spoil which cannot be re-used will be removed from site for re-use, treatment or disposal at a permitted facility. The re-use of excavated materials during construction will be governed by either a Materials Management Plan developed in accordance with relevant guidance including 'The Definition of Waste: Development Industry Code of Practice' (CL:AIRE), an environmental permit or a relevant exemption. Compliance with the CEMP, of which the construction waste	DCO Schedule 2 (**Application Document Ref. 3.1**).

Reference / Chapter	Commitment	Secured by
Document Ref. 6.2)	management measures forms part, is secured by a specific Requirement in the **Draft DCO** (**Application Document Ref. 3.1**). Where necessary, suitable measures will be put in place to prevent sediment being washed off-site, and the stockpiles will be visually monitored for wash away during and after periods of prolonged rainfall. Appropriate measures to minimise short-term and long-term impacts on land drainage will be agreed with the relevant landowner for those works affecting drains within the temporary construction and laydown areas. Where land drains are under the control of the Internal Drainage Board (IDB), relevant bylaws will be adhered to or consent obtained for works affecting/ crossing drains within the Water Discharge Corridor, Electrical Connections and emergency vehicle access route. These measures will be secured in the final CEMP. The final CEMP and works required to discharge the **Draft DCO** Requirement relating to flood risk mitigation (**Application Document Ref. 3.1**) will incorporate measures to prevent an increase in flood risk or pollution risk during the construction works. An outline of the proposed measures is provided in the **Outline CEMP** that accompanies the Application (**Application Document Ref. 7.4**).	

Reference / Chapter	Commitment	Secured by
ES Volume I Chapter 5: Construction Programme and Management (**Application Document Ref. 6.2)**	Soil will be managed in accordance with the Defra Construction Code of Practice for the Sustainable Use of Soil on Development Sites to minimise impacts on soil structure and quality. An Outline Soil Resources Plan is provided in the **Outline CEMP** (**Application Document Ref. 7.4**).	DCO Schedule 2 (**Application Document Ref. 3.1**).
ES Volume I Chapter 5: Construction Programme and Management (**Application Document Ref. 6.2)**	Impacts relating to the handling, movement and temporary storage of soils, including those agricultural soils classified as 'best and most versatile – Agricultural Land Classification (ALC) Grade 1' that will be disturbed for temporary laydown, will be controlled through the final CEMP. Measures which are included within the **Outline CEMP (Application Document Ref. 7.4)** and will be included final CEMP comprise: • a pre-construction condition survey of laydown areas within the Construction Laydown Areas south of North Pilfrey Bridge that are currently in agricultural use (Agricultural Land Classification (ALC) Grade 1) including soil depths and textures of soil horizons; • a method statement for the works to include soil handling and storage proposals;	DCO Schedule 2 (**Application Document Ref. 3.1**)

Reference / Chapter	Commitment	Secured by
	• a restoration specification; and • a post-works survey to confirm condition.	
ES Volume I Chapter 5: Construction Programme and Management (**Application Document Ref. 6.2)**	All works will comply with the safety clearances and requirements set out by the utility providers who have assets within the Site.	Protective provisions in the draft DCO
ES Volume I Chapter 5: Construction Programme and Management (**Application Document Ref. 6.2)**	If water is encountered during below ground construction, suitable de-watering methods will be used. Any significant groundwater dewatering required will be undertaken in line with the requirements of the Environment Agency under the Water Resources Act 1991 (as amended) and the Environmental Permitting (England and Wales) Regulations 2016	The Environmental Permitting (England and Wales) Regulations 2016 (as amended)

Reference / Chapter	Commitment	Secured by
ES Volume I Chapter 5: Construction Programme and Management (**Application Document Ref. 6.2)**	At the proposed cooling water abstraction point, the cofferdam installation piling method will be designed to reduce the risk of disturbance to fish or other noise sensitive or ecological receptors as far as reasonably practicable. This includes best practice measures for piling and avoidance of night-time piling. The construction methods are anticipated to be similar to those used for the Keadby 2 Power Station intake. Such measures include: • pre-works survey(s) along the Stainforth and Keadby Canal wall; • the installation of a temporary cofferdam (up to circa 20m into the canal) to provide a safe, dry and stable working area; • the construction of appropriate hazard warning, screening, lighting and signage as required; • the installation of screening to mitigate impacts on aquatic ecology, including the risk of fish entrapment and to comply with the Eels Regulations; • removal of the cofferdam; • completion of post-construction surveys, as required; and • the presence of vessels such as work boat(s) and/or barge(s) to support the works.	DCO Schedule 2 (**Application Document Ref. 3.1**).

Reference / Chapter	Commitment	Secured by
	The installation and subsequent removal of the temporary cofferdam will be completed in accordance with the requirements of the Canal and River Trust. Additional measures to minimise environmental impacts at the abstraction point will include: • adoption of the JNCC best-practice measures for piling including the implementation of a soft-start process; and • avoidance of night-time piling. No seasonal restrictions are proposed in relation to installation or removal of the cofferdam within the Stainforth and Keadby Canal. These measures are included in the **Outline CEMP (Application Document Ref. 7.4)** and will be included final CEMP. Compliance with the CEMP is secured by the **Draft DCO (Application Document Ref. 3.1).**	
ES Volume I Chapter 5: Construction Programme and Management	The existing outfall and pipework for Keadby 1 is proposed to be used for the discharge of cooling water, blowdown and treated effluent to the River Trent and is shown by the Water Discharge Corridor included in the Site boundary. Interconnecting pipework would extend from the Main Site to this infrastructure.	DCO Schedule 2 (**Application Document Ref. 3.1)**.

Reference / Chapter	Commitment	Secured by
(**Application Document Ref. 6.2)**	The routing and construction method would be controlled by the detailed design Requirement in Schedule 2 of the **Draft DCO** (**Application Document Ref. 3.1**) The existing connection to foul sewer for Keadby 2 Power Station may also be used for the Proposed Development if it is in a suitable condition. If the pipeline condition is not suitable for continued use, foul sewerage will instead be treated on site in a package treatment plant with the treated effluent directed to the River Trent via the Water Discharge Connection. Details of the foul water drainage system design will be approved in accordance with a Requirement in Schedule 2 of the **Draft DCO** (**Application Document Ref. 3.1**).	
ES Volume I Chapters 5: Construction Programme and Management and **ES Volume I Chapter 12:** Water Environment and Flood Risk	A self-contained wheel wash will be installed and will be used by vehicles prior to exiting the construction site prior to joining the public highway. For loads unable to use the fixed wheel wash, a localised wheel washing facility will be set up to cater for these, to minimise effects to the highway. The use of a wheel wash is specified in the **Outline CEMP (Application Document Ref. 7.4)** and will be included in the final	DCO Schedule 2 (**Application Document Ref. 3.1**).

Reference / Chapter	Commitment	Secured by
(**Application Document Ref. 6.2)** and **Outline CTMP (Application Document Ref. 7.5)**	CEMP. Compliance with the CEMP is secured by the **Draft DCO (Application Document Ref. 3.1).**	
ES Volume I Chapters 5: Construction Programme and Management and **ES Volume I Chapter 13:** Geology, Hydrogeology and Land Contamination (**Application Document Ref. 6.2)**	Piling design and construction works will be completed following preparation of a piling and penetrative foundation design method statement, informed by a risk assessment, which will be undertaken in accordance with Environment Agency 'Piling and Penetrative Ground Improvement Methods on Land Affected by Contamination: Guidance on Pollution Prevention' guidance. This is secured by a pre-commencement Requirement in the **Draft DCO** (**Application Document Ref. 3.1**) and will be submitted to the local authority for approval, in consultation with the Environment Agency. All piling and penetrative foundation works would be carried out in accordance with the approved method statement to prevent contamination of the underlying soils and groundwater.	DCO Schedule 2 (**Application Document Ref. 3.1**)

Reference / Chapter	Commitment	Secured by
ES Volume I Chapter 8: Air Quality (**Application Document Ref. 6.2)**	Emissions of dust and particulates from the construction phase will be controlled in accordance with industry best practice as outlined in the **Outline CEMP** (**Application Document Ref. 7.4**). Good practice will also be employed for the siting and operation of Non-Road Mobile Machinery to control associated emissions including minimising vehicle and plant idling, locating static plant away from sensitive boundaries or receptors and minimising operating time outside of core working hours/ daylight hours. Such measures will be set out in a final CEMP to be developed in accordance with the **Outline CEMP** (**Application Document Ref. 7.4**).	DCO Schedule 2 (**Application Document Ref. 3.1**)
ES Volume I Chapter 9: Noise and Vibration (**Application Document Ref. 6.2)**	Regular communication with the local community throughout the construction period will also serve to publicise the works schedule, giving notification to residents regarding periods when higher levels of noise may occur during specific operations, and providing lines of communication where complaints can be addressed. This will be secured through the final CEMP.	DCO Schedule 2 (**Application Document Ref. 3.1**)
ES Volume I Chapter 9: Noise	A detailed noise and vibration assessment will be undertaken once the contractor is appointed and further details of construction methods are known in order to identify specific mitigation measures for the	DCO Schedule 2 (**Application Document Ref. 3.1**)

Reference / Chapter	Commitment	Secured by
and Vibration (**Application Document Ref. 6.2)**	Proposed Development (including construction traffic). The final CEMP will set out provisions to ensure that the noise and vibration impacts relating to construction activities are reduced as far as reasonably practicable.	
ES Volume I Chapter 11: Biodiversity, Ecology and Nature Conservation (**Application Document Ref. 6.2)**	A Water Vole Impact Avoidance Strategy will be prepared, using updated baseline information, and agreed with relevant stakeholders to specify the measures and supervision required to deliver legislative compliance during construction of the Main Site and watercourse crossings. The Water Vole Impact Avoidance Strategy is included within the **Outline CEMP (Application Document Ref. 7.4)** and will be included in the final CEMP. Compliance with the CEMP is secured through a Requirement in the **Draft DCO** (**Application Document Ref. 3.1**).	DCO Schedule 2 (**Application Document Ref. 3.1**)
ES Volume I Chapter 11: Biodiversity, Ecology and Nature Conservation (**Application**	A Fish Management Plan will be prepared and agreed with relevant stakeholders to specify the measures and supervision required to deliver legislative compliance during installation and drawdown of any cofferdam used for the Proposed Canal Water Intake on the Stainforth and Keadby Canal. This will also apply if relevant to replacement of the existing Mabey Bridge over the Hatfield Waste Drain LWS. The Plan will be prepared as part of the final CEMP.	DCO Schedule 2 (**Application Document Ref. 3.1**)

Reference / Chapter	Commitment	Secured by
Document Ref. 6.2)		
ES Volume I Chapter 11: Biodiversity, Ecology and Nature Conservation (**Application Document Ref. 6.2**)	A plant invasive non-native species (INNS) survey will be undertaken prior to construction to determine the current location and extent of plant INNS, and to inform specification of the Invasive Species Management Plan (ISMP). If determined as necessary through this survey and after consideration of other available plant and animal INNS data, an ISMP will be prepared to accompany the final CEMP and would be agreed with relevant stakeholders. The ISMP would specify the measures and supervision necessary during construction to prevent the spread of plant and animal INNS to new locations. The updated INNS survey and ISMP is included within the **Outline CEMP (Application Document Ref. 7.4)** and in accordance with the Outline CEMP will be included in the final CEMP. Compliance with the CEMP is secured by a Requirement in the **Draft DCO (Application Document Ref. 3.1).**	DCO Schedule 2 (**Application Document Ref. 3.1**)
ES Volume I Chapter 11: Biodiversity, Ecology and Nature	Appropriately experienced ecologists will complete site walkovers in advance of mobilisation or other potential advance works to re-confirm the ecological baseline conditions and identify any new ecological risks. Updated species surveys will also be undertaken to determine the status of protected and INNS identified as present or	DCO Schedule 2 (**Application Document Ref. 3.1**)

Reference / Chapter	Commitment	Secured by
Conservation (**Application Document Ref. 6.2**)	potentially present at the Site to inform mitigation requirements and support protected species licence applications. These updated surveys will be completed sufficiently far in advance of construction works to account for seasonality constraints and to allow time for the implementation of any necessary mitigation prior to construction.	
ES Volume I Chapter 11: Biodiversity, Ecology and Nature Conservation (**Application Document Ref. 6.2**)	The **Outline CEMP (Application Document Ref. 7.4)** specified that a Clerk of Works (CoW) will be employed to oversee the delivery of all necessary ecological mitigation, including any mitigation to be completed under relevant species mitigation licences. Compliance with the CEMP is secured by Requirement on the **Draft DCO (Application Document Ref. 3.1).**	DCO Schedule 2 (**Application Document Ref. 3.1**)
ES Volume I Chapter 12: Water Environment and Flood Risk (**Application Document Ref.**	The development platform of the Main Site will be raised to a finished ground level of 3.0m Above Ordnance Datum (AOD). Critical operational infrastructure (defined in paragraph 12A.10.16 of **ES Volume II Appendix 12A**: Flood Risk Assessment (**Application Document Ref. 6.3**)) which is associated with the Combined Cycle Gas Turbine (CCGT) will have a further clearance of 1.0m, therefore providing a level of resilience of no less than 4.0m AOD. This is a	DCO Schedule 2 (**Application Document Ref. 3.1**)

Reference / Chapter	Commitment	Secured by
6.2) and **ES Volume II Appendix 12A:** Flood Risk Assessment **(Application Document Ref. 6.3)**	minimum level that will be achieved for critical operational infrastructure, but further clearance will be provided up to 4.1m AOD where reasonably practicable to do so. A **Draft DCO** Requirement (**Application Document Ref. 3.1**) specifies the finished ground level and secures other flood mitigation measures by requiring general accordance with the Flood Risk Assessment.	
ES Volume I Chapter 12: Water Environment and Flood Risk (**Application Document Ref. 6.2)** and **ES Volume II Appendix 12A:** Flood Risk Assessment **(Application**	A safe refuge above ground floor level of the Proposed Development will be provided including welfare facilities for employees occupying the Proposed Main Site in the extremely rare and unlikely event that the River Trent tidal defences were to breach. The internal finished floor level of this refuge area will be a minimum level of 4.1m AOD	**ES Volume I Appendix 12A:** Flood Risk Assessment (**Application Document Ref. 6.3**)

Reference / Chapter	Commitment	Secured by
Document Ref. 6.3)		
Outline CEMP (Application Document Ref. 7.4)	The Appointed Contractors will be required to prepare a Water Management Plan (WMP), which will be appended to the final CEMP and will include details of pre, during and post-construction water quality monitoring in accordance with Outline WMP which is appended to the **Outline CEMP** (**Application Document Ref. 7.4**). The programme will include a combination of daily observations and monitoring of upstream and downstream reaches of water features hydrologically-connected to the Site. Monitoring and sampling will be undertaken prior to the commencement of construction so as to allow a sufficient baseline data. The final WMP will outline the measures necessary to avoid, prevent and reduce adverse effects where possible on the local surface water and groundwater environment.	DCO Schedule 2 (**Application Document Ref. 3.1**).
ES Volume I Chapter 13: Geology, Hydrogeology and Land Contamination	Ground investigation will be undertaken before construction to inform the development of the detailed design. The ground investigation will validate the assumptions made in the initial Conceptual Site Model and Preliminary Risk Assessment (**ES Volume II Appendix 13A: Phase 1 Desk Based Assessment Addendum** (**Application Document Ref. 6.3**)), taking into consideration results of previous	DCO Schedule 2 (**Application Document Ref. 3.1**).

Reference / Chapter	Commitment	Secured by
(**Application Document Ref. 6.2)** and **ES Volume II Appendix 13A:** Phase 1 Desk Based Assessment Addendum **(Application Document Ref. 6.3)**	ground investigations, and provide site-specific data upon which to base a land contamination risk assessment. The ground investigation will be designed to target the potentially contaminative sources identified, including the historical landfilling activities identified on the Site. Based on the findings of the 2022 Fugro ground investigation (**ES Volume II Appendix 13A:** Phase 1 Desk Based Assessment Addendum (**Application Document Ref. 6.3**)) further investigation and risk assessment of groundwater quality and ground gas will be undertaken. Where risks are deemed to be unacceptable, further detailed quantitative risk assessment and if required, detailed remediation strategies will be developed accordingly, pursuant to the process set out by the planning authorities.	
ES Volume I Chapter 13: Geology, Hydrogeology and Land Contamination (**Application Document Ref. 6.2)**	A scheme to deal with the contamination of land, including groundwater, likely to cause significant harm, including a risk assessment, supported by site investigation data, to identify the extent of any contamination and the remedial measures to be taken, together with a materials management plan, which sets out long-term measures with respect to any contaminants remaining on the site will be undertaken. The authorised development, including any remediation, must be carried out in accordance with the approved scheme unless otherwise agreed with the relevant planning authority.	DCO Schedule 2 (**Application Document Ref. 3.1**).

Reference / Chapter	Commitment	Secured by
ES Volume I Chapter 14: Landscape and Visual Amenity (**Application Document Ref. 6.2**)	The design of the Proposed Development will seek to minimise adverse impacts on visual amenity through massing and disposition of taller structures within the Main Site. The final finishes of the buildings, exact sizes of component parts would be finalised as part of detailed design but the implementation of detailed design parameters are secured by a Requirement in the **Draft DCO** (**Application Document Ref. 3.**1) including siting, layout, scale and external appearance, including colour, materials and surface finishes of permanent buildings and structures.	DCO Schedule 2 (**Application Document Ref. 3.1**).
ES Volume I Chapter 15: Cultural Heritage (**Application Document Ref. 6.2**)	To enable the preservation of buried archaeological remains, a programme of geoarchaeological analysis and reporting with archaeological monitoring during groundworks has been agreed with the local authority. The scope of this work has been described in an **Outline Written Scheme of Investigation** (**Application Document Ref. 7.7**). The final Written Scheme of Investigation will be secured as a pre-commencement Requirement on the **Draft DCO** (**Application Document Ref. 3.1**).	DCO Schedule 2 (**Application Document Ref. 3.1**).
ES Volume I Chapter 11: Biodiversity,	All habitats disturbed during construction, such as land within the temporary construction laydown areas, electricity connection route and proposed abstraction/ discharge corridor, will be reinstated post-construction completion where reasonably practicable on a like-for-	DCO Schedule 2 (**Application Document Ref. 3.1**).

Reference / Chapter	Commitment	Secured by
Ecology and Nature Conservation **(Application Document Ref. 6.2)**	like basis at the same location. In some cases the reinstated habitat will be enhanced for biodiversity as set out in the **Outline LBEMP Report** (**Application Document Ref. 5.10**). A final LBMEP will be produced in accordance with the Outline LBMEP and is secured as a pre-commencement Requirement in the **Draft DCO** (**Application Document Ref. 3.1**).	
Outline Landscaping and Biodiversity Management and Enhancement Plan (LBMEP) Report (Application Document Ref. 5.10)	Landscape and biodiversity management and enhancement will follow the principles set out within the **Outline LBMEP Report** (**Application Document Ref. 5.10**).	DCO Schedule 2 (**Application Document Ref. 3.1**).
Operation		
ES Volume I Chapter 4: The Proposed	Where any substance could pose a risk to the environment through its uncontrolled release (e.g. surface water drains), the substance will be	Health and Safety at Work etc. Act (1974)

Reference / Chapter	Commitment	Secured by
Development (**Application Document Ref. 6.2)**	stored within appropriate containment facilities including impermeable concrete surfaces and appropriately designed and sized bunds with a volume of 110% of storage capacity. Where storage of hazardous materials, individually or in-combination exceeds the relevant thresholds, separate permissions will be sought from the Health and Safety Executive (HSE) and local planning authority as appropriate for their storage, under the Planning (Hazardous Substances) Regulations 2015 and Control of Major Accident Hazards Regulations 2015 (COMAH) regimes. All chemical storage will be regulated by the Environment Agency through an Environmental Permit that will be required for the operation of the Proposed Development.	Control Of Major Accident Hazards Regulations 2015 (COMAH) The Environmental Permitting (England and Wales) Regulations 2016
ES Volume I Chapter 4: The Proposed Development (**Application Document Ref. 6.2)**	The gas turbine selected will be provided with dry low NO_x (DLN) burners to minimise the formation of NO_x.	DCO Schedule 1 (**Application Document Ref. 3.1**) The Environmental Permitting (England and Wales) Regulations 2016

Reference / Chapter	Commitment	Secured by
ES Volume I Chapter 4: The Proposed Development (**Application Document Ref. 6.2)**	The stack will be fitted with Continuous Emissions Monitoring System (CEMS) instrumentation.	The Environmental Permitting (England and Wales) Regulations 2016.
ES Volume I Chapters 4: The Proposed Development**, ES Volume I Chapter 11:** Biodiversity, Ecology and Nature Conservation and **ES Volume I Chapter 12:** Water Environment and Flood Risk (**Application Document Ref. 6.2)** and **ES**	The cooling water intake structure in the Canal will be constructed to comply with the Eels (England and Wales) Regulations 2009 ('the Eels Regulations'). The Applicant understands from consultation with the Environment Agency that in order to achieve Best Available Eel Protection, the canal water abstraction infrastructure will require a 2mm mesh screen and an intake velocity < 0.1m/s to protect glass eel and elver.	DCO Schedule 1 (**Application Document Ref. 3.1**). The Environmental Permitting (England and Wales) Regulations 2016

Reference / Chapter	Commitment	Secured by
Volume II Appendix 12B Water Framework Directive Assessment **(Application Document Ref. 6.3)**		
ES Volume I Chapter 4: The Proposed Development (**Application Document Ref. 6.2)**	Effluent discharges will be treated if required prior to discharge and will be regulated by the Environment Agency through the Environmental Permit required for the operation of the Proposed Development.	The Environmental Permitting (England and Wales) Regulations 2016
ES Volume I Chapter 4: The Proposed Development (**Application**	Surface water will be appropriately treated and attenuated prior to discharge. The preferred option is to discharge surface water to a drain managed by the IDB. An alternative discharge route (following segregation, treatment and attenuation) is also proposed, should this	DCO Schedule 2 (**Application Document Ref. 3.1**).

Reference / Chapter	Commitment	Secured by
Document Ref. 6.2)	be required, via the existing Keadby 1 Power Station water outfall to the River Trent.	
ES Volume I Chapter 4: The Proposed Development (**Application Document Ref. 6.2)**	Maximum design parameters for the Proposed Development will be in accordance with the values presented in Table 4.1 of the ES (**Chapter 4** (**Application Document Ref. 6.2**)).	DCO Schedule 10 (**Application Document Ref. 3.1**).
ES Volume I Chapter 4: The Proposed Development (**Application Document Ref. 6.2)**	A new security gatehouse and parking will be provided at the entrance to the Site, set back from the A18.	DCO Schedule 1 (**Application Document Ref. 3.1**)
ES Volume I Chapter 4: The Proposed Development	A Health and Safety Plan covering the operation of the Proposed Development will be written.	Health and Safety at Work etc. Act (1974)

Reference / Chapter	Commitment	Secured by
(**Application Document Ref. 6.2)**		
ES Volume I Chapter 4: The Proposed Development (**Application Document Ref. 6.2)**	Written procedures clearly describing responsibilities, actions and communication channels will be available for operational personnel dealing with emergencies. Procedures will be externally audited and contingency plans written in preparation for any unexpected complications.	The Environmental Permitting (England and Wales) Regulations 2016 (as amended)
ES Volume I Chapters 4: The Proposed Development and **ES Volume I Chapter 18:** Climate Change and Sustainability (**Application**	The Proposed Development will comply with the Environmental Permitting (England and Wales) Regulations 2016 (as amended) under its Environmental Permit so that any impacts of emissions to air, soil, surface and groundwater, to the environment and human health will be minimised and avoided where possible. Sampling and analysis of pollutants will be undertaken where required including monitoring of exhaust emissions levels using CEMS, prior to discharge from the stacks, in accordance with the Environmental Permit.	The Environmental Permitting (England and Wales) Regulations 2016 (as amended)

Reference / Chapter	Commitment	Secured by
Document Ref. 6.2)		
ES Volume I Chapters 4: The Proposed Development**, ES Volume I Chapter 8:** Air Quality**, ES Volume I Chapter 11:** Biodiversity, Ecology and Nature Conservation and **ES Volume I Chapter 12:** Water Environment and Flood Risk (**Application Document Ref. 6.2)**	An Environmental Permit will be obtained from the Environment Agency prior to the operation of the Proposed Development; this will set out the preventative and control measures that must be applied to minimise risks of accidental releases to the environment and also the approach to managing accidents and emergencies in accordance with the use of Best Available Techniques (BAT). The Proposed Development will comply with its Environmental Permit.	The Environmental Permitting (England and Wales) Regulations 2016 (as amended)

Reference / Chapter	Commitment	Secured by
ES Volume I Chapters 4: The Proposed Development and **ES Volume I Chapter 20:** Waste and Materials (**Application Document Ref. 6.2)**	The Site will be operated in line with appropriate standards and the operator will implement and maintain an Environment Management System (EMS) which will be certified or accredited to International Standards Organisation (ISO) 14001. The EMS will outline requirements and procedures required to verify that the Site is operating to the appropriate standard.	The Environmental Permitting (England and Wales) Regulations 2016 (as amended)
ES Volume I Chapters 4: The Proposed Development**, ES Volume I Chapter 5:** Construction Programme and Management**, ES Volume I Chapter 11:** Biodiversity, Ecology and Nature	A detailed lighting scheme will be submitted to the local planning authority for approval prior to installation, designed in accordance with relevant standards and in accordance with the principles set out in the **Outline Lighting Strategy** (**Application Document Ref. 5.11**).	DCO Schedule 2 (**Application Document Ref. 3.1**).

Reference / Chapter	Commitment	Secured by
Conservation and **ES Volume I Chapter 14:** Landscape and Visual Amenity (**Application Document Ref. 6.2), Outline LBMEP Report (Application Document Ref. 7.1)** and **Outline Lighting Strategy (Application Document Ref. 5.11)**		
ES Volume I Chapter 4: The Proposed Development	Depending on the volumes of hazardous materials stored on the Site, a Hazardous Substances Consent, and if necessary, a lower tier or upper tier COMAH licence, will be obtained.	Hazardous Waste (England and Wales) Regulations 2005 Control of Major Accident Hazards Regulations 2015 (COMAH)

Reference / Chapter	Commitment	Secured by
(**Application Document Ref. 6.2**)		
ES Volume I Chapters 4: The Proposed Development**, ES Volume I Chapter 5:** Construction Programme and Management and **ES Volume I Chapter 18:** Climate Change and Sustainability (**Application Document Ref. 6.2**)	Security will be managed to ensure that risks are maintained to as low as reasonably practicable. The approach to security will include: • compliance with the Applicant's existing security policies, procedures and arrangements; • controlled vehicular access to the Site from the A18, including new gatehouse(s); • perimeter fencing around the Proposed PCC Site and other work areas, with controlled pedestrian and vehicular access; and • closed circuit television surveillance and intruder alerts.	DCO Schedule 2 (**Application Document Ref. 3.1**).

Reference / Chapter	Commitment	Secured by
ES Volume I Chapter 5: Construction Programme and Management (**Application Document Ref. 6.2)**	A commissioning plan will be agreed with the Environment Agency through the Environmental Permit, which will specify monitoring and control procedures to be used and set out a schedule of commissioning activities.	The Environmental Permitting (England and Wales) Regulations 2016 (as amended)
ES Volume I Chapter 11: Biodiversity, Ecology and Nature Conservation (**Application Document Ref. 6.2)**	Treated effluent will be discharged to the River Trent at a rate and with a chemical water quality compliant with the discharge limits set by the Environment Agency within the Environmental Permit, considering BAT for those discharges.	The Environmental Permitting (England and Wales) Regulations 2016
ES Volume I Chapter 12: Water Environment and Flood Risk (**Application**	The proposed surface water drainage system is to include the use of sustainable drainage systems (SuDS) where possible. The drainage system will be designed to be inherently safe and protect the local environment from diffuse pollutants that may be present including	DCO Schedule 2 (**Application Document Ref. 3.1**).

Reference / Chapter	Commitment	Secured by
Document Ref. 6.2)	through the use of interceptors. Clean surface water runoff will be segregated from contaminated/ potentially contaminated water, which will be directed to the on-site treatment plant or in the case of amine contaminated water for off-site disposal. Gravity drainage is also used wherever practicable. The **Draft DCO** (**Application Document Ref. 3.1**) requires the surface water drainage design to be approved prior to construction and in general accordance with the **Indicative Surface Water Drainage Plan** (**Application Document Ref. 2.12**).	The Environmental Permitting (England and Wales) Regulations 2016
ES Volume I Chapter 12: Water Environment and Flood Risk (**Application Document Ref. 6.2)**	All surface water runoff from the Site discharged to drains will be restricted to the greenfield runoff rate. The **Draft DCO** (**Application Document Ref. 3.1**) requires the surface water drainage design to be approved prior to construction and in general accordance with the **Indicative Surface Water Drainage Plan** (**Application Document Ref. 2.12**).	DCO Schedule 2 (**Application Document Ref. 3.1**).
ES Volume I Chapter 12: Water Environment and Flood Risk (**Application**	Should the Proposed Development comprise below ground development within strata where groundwater is recorded as present, mitigation measures, including those outlined in British Standard 8102 Code of Practice for Protection of Below Ground Structures Against Water From the Ground will be required to reduce the risk of	DCO Schedule 2 (**Application Document Ref. 3.1**).

Reference / Chapter	Commitment	Secured by
Document Ref. 6.2)	groundwater flooding to underground structures as is best practice. This will form part of the flood mitigation measures secured by Requirement in the **Draft DCO** (**Application Document Ref. 3.1**).	
ES Volume I Chapter 12: Water Environment and Flood Risk (**Application Document Ref. 6.2)**	Water sampling facilities are to be provided for manual sampling of water prior to discharge. The frequency of testing and parameters will be agreed with the Environment Agency.	The Environmental Permitting (England and Wales) Regulations 2016
ES Volume II Appendix 12A: Flood Risk Assessment (**Application Document Ref. 6.3**)	A Flood Emergency Response Plan will be prepared in consultation with the Environment Agency and shall cover emergency situations both during core (24/7) operating hours and over holiday periods. The plan will define access and egress routes from the Site which will include recommendations on the most appropriate route depending on location, signage strategy in and around the area and congregation points. The Plan will include the Proposed Development being registered to receive flood warnings from the Environment Agency's 'Floodline Warnings Direct' service to inform if	DCO Schedule 2 (**Application Document Ref. 3.1**).

Reference / Chapter	Commitment	Secured by
	there is a risk of flooding from a tidal storm surge type event which could result in overtopping or breach of defences.	
ES Volume I Chapter 12: Water Environment and Flood Risk (**Application Document Ref. 6.2)**	Penstocks will be provided to isolate any spillages, contaminated water/ firewater in the surface water drainage system and prevent its discharge to the environment. Details of the surface water drainage design will be submitted and approved in accordance with a Requirement in the **Draft DCO** (**Application Document Ref. 3.1**) and the Environmental Permit will stipulate water quality requirements for effluent discharge.	DCO Schedule 2 (**Application Document Ref. 3.1**). The Environmental Permitting (England and Wales) Regulations 2016 (as amended)
ES Volume I Chapter 13: Geology, Hydrogeology and Land Contamination (**Application Document Ref. 6.2)**	Operational materials, including chemicals, waste solvent, waste acid (if applicable), fuels and oils (acetylene, lubricating oils, distillate fuels, or other fuels), will be provided with secondary containment appropriate to the level of risk to ensure that in the event of any spillage, the materials are safely contained. Secondary containment will be included in the installed design.	The Environmental Permitting (England and Wales) Regulations 2016 (as amended)
ES Volume I Chapter 9: Noise	During the detailed design stage, potential significant residual noise effects will be mitigated by location and design. This will include	DCO Schedule 2 (**Application Document Ref. 3.1**).

Reference / Chapter	Commitment	Secured by
and Vibration (**Application Document Ref. 6.2)**	appropriate stack design, use of cladding and shielding where appropriate and, where practical siting of equipment away from site boundaries and NSR.	
ES Volume I Chapter 9: Noise and Vibration (**Application Document Ref. 6.2)**	The Main Site will be operated in accordance with an Environmental Permit, issued and regulated by the Environment Agency. This will require operational noise from the generating station to be controlled through the use of BAT, which will be determined through the Environmental Permit application. Operational noise limits are also secured by a Requirement in the Draft DCO (**Application Document Ref. 3.1**).	DCO Schedule 2 (**Application Document Ref. 3.1**). The Environmental Permitting (England and Wales) Regulations 2016 (as amended)
ES Volume I Chapter 18: Climate Change and Sustainability (**Application Document Ref. 6.2)**	To reduce emissions associated with operational worker commuting, sustainable forms of travel will be promoted. Measures such as including provision of cycle storage areas would be included within the detailed design of the Proposed Scheme.	DCO Schedule 2 (**Application Document Ref. 3.1**).

Reference / Chapter	Commitment	Secured by
ES Volume I Chapter 19: Major Accidents and Disasters (**Application Document Ref. 6.2)**	The Proposed Development will be design to relevant industry codes and standards and in compliance with relevant legislation including the Pressure Equipment (Safety) Regulations 2016 and the Pipelines Safety Regulations (PSR). Pipeline safety systems, gas/ liquid pressure regulation and leak/ gas detection systems will be installed along with operational controls and monitoring. Fire detection and fire protection systems will be installed, including passive and active fire suppression systems. Hydrogen storage will not be provided at the Site. Emergency access(es) will be suitable for passing emergency vehicles.	DCO Schedules 1 & 2 (**Application Document Ref. 3.1**).
ES Volume I Chapter 19: Major Accidents and Disasters (**Application Document Ref. 6.2)**	The advice provided for high hazard sites relating to security measures (National Counter Terrorism Security Office and Association of Chief Police Officers) to prevent trespassers will be considered as part of the preparation of the written security scheme to minimise crime which is secured as a requirement in the **Draft DCO** (**Application Document Ref. 3.1**).	DCO Schedule 2 (**Application Document Ref. 3.1**).

Reference / Chapter	Commitment	Secured by
Outline Lighting Strategy (Application Document Ref. 5.11)	Critical operation infrastructure will be lit to ensure critical maintenance can occur at any time of day. Lighting will be designed to minimise light disturbance on adjacent sensitive ecological areas including the former Keadby Ash Tip and Stainforth and Keadby Canal, being directed to working areas so as not to illuminate these features, as far as reasonably practicable	DCO Schedule 2 (**Application Document Ref. 3.1**).
Combined Heat and Power Readiness Assessment (Application Document Ref. 5.8)	The Proposed Development will be designed and built to allow for the future implementation of CHP if future heat loads become economically viable.	DCO Schedule 2 (**Application Document Ref. 3.1**).
Decommissioning		
ES Volume I Chapters 4: The Proposed Development**, ES Volume I Chapter**	Decommissioning activities will be conducted in accordance with the appropriate guidance and legislation at the time of closure of the Proposed Development. A Decommissioning Environmental Management Plan (DEMP) will be produced and agreed with the Environment Agency as part of the Environmental Permit and site	DCO Schedule 2 (**Application Document Ref. 3.1**).

Reference / Chapter	Commitment	Secured by
8: Air Quality**, ES Volume I Chapter 9:** Noise and Vibration**, ES Volume I Chapter 10:** Traffic and Transport**, ES Volume I Chapter 11:** Biodiversity, Ecology and Nature Conservation**, ES Volume I Chapter 12:** Water Environment and Flood Risk**, ES Volume I Chapter 13:** Geology, Hydrogeology and Land Contamination**, ES Volume I Chapter 17:** Population and Human Health and	surrender process. The DEMP will consider all potential environmental risks and contain guidance on how risks can be removed, mitigated or managed. This will include details of how surface water drainage should be managed during decommissioning and demolition. A range of pollution control and mitigation measures similar to those during construction will be put in place to avoid, reduce or minimise the risks. These will include a similar range of measures to those defined in the **Outline CEMP** (**Application Document Ref. 7.4**) and will form part of the DEMP. Upon completion of the decommissioning programme, including any remediation works that might be required, the Environment Agency will be invited to witness a post-decommissioning inspection by site staff. All records from the decommissioning process will be made available for inspection by the Environment Agency and other relevant statutory bodies, in accordance with the Environmental Permit requirements. The Decommissioning Traffic Management Plan (DTMP) will also be prepared in consultation with National Highways.	The Environmental Permitting (England and Wales) Regulations 2016 (as amended)

Reference / Chapter	Commitment	Secured by
ES Volume I Chapter 18: Climate Change and Sustainability **(Application Document Ref. 6.2)**		