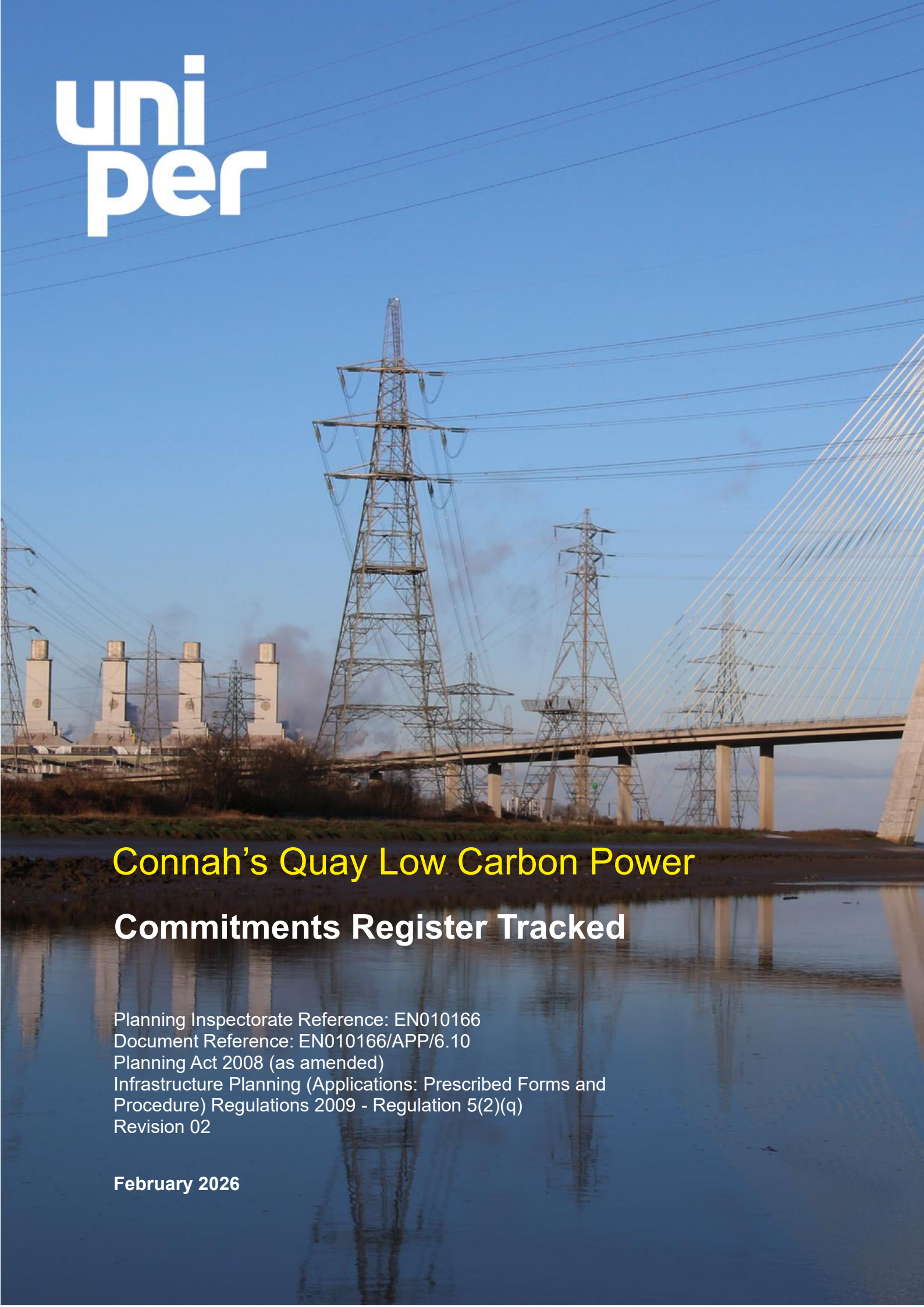

Connah's Quay Low Carbon Power

Commitments Register Tracked

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Prepared for:
Uniper UK Limited

Prepared by:
AECOM Limited

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1. Connah's Quay Commitments Register

1.1 Overview

1.1.1 This document has been prepared in accordance with the Government's Guidance Nationally Significant Infrastructure Projects: Commitments Register (the Guidance) (Ref 1) to track commitments made by Uniper UK Limited (the Applicant) to date for the low carbon Combined Cycle Gas Turbine (CCGT) Generating Plant fitted with Carbon Capture Plant (CCP) (the Connah's Quay Low Carbon Power (CQLCP) Abated Generating Station) and supporting infrastructure. Collectively this is referred to as the Proposed Development.

1.1.2 Table 1 details the environmental mitigation measures to be adopted and commitments made for the construction, operation (including maintenance) and decommissioning phases of the Proposed Development and identifies how these measures are secured within the Application and **draft Development Consent Order** (**DCO**) (**EN010166/APP/3.1**).

1.1.3 Rather than referring to the Applicant, Table 1 utilises term Undertaker as defined within the **draft DCO** (**EN010166/APP/3.1**). This term is used as reference to Uniper UK Limited or any person who for the time being has the benefit of the Order in accordance with articles 7 (benefit of the Order) and 8 (consent to transfer benefit of Order). The Undertaker has the responsibility for ensuring all commitments outlined in Table 1 are delivered.

1.1.4 The commitments included herein reflect the embedded and additional mitigation measures identified in the Environmental Statement (**EN010166/APP/6.2-6.4**) and its supporting documentation.

1.1.5 This document will be updated through all phases of the Proposed Development. Information pertaining to the compliance date and details for each commitment in Table 1 will be provided during the relevant phases.

1.1.6 The phases of the Proposed Development include:

- Detailed Design – follows consent of Proposed Development;
- Pre-Construction – follows finalisation of detailed design and includes site enabling works and the discharge of DCO requirements;
- Construction – between five and nine years, subject to a simultaneous or a phased construction approach;
- Operation – the Proposed Development is expected to operate for 30 years, with the majority of equipment designed for long-term use. Any future decision to extend its lifespan, would be subject to the Applicant undertaking a financial investment decision based on a number of factors, such as safety and regulatory requirements at that time; and
- Decommissioning – anticipated to be after 30 years of operation. Any future decision to extend its lifespan, would be subject to the Applicant

undertaking a financial investment decision based on a number of factors, such as safety and the regulatory requirements at that time.

1.1.7 Where a Framework and/or Outline management plan has been produced, a Final / Detailed version of this document would be prepared ahead of construction works, as secured by the **draft DCO** (**EN010166/APP/3.1**).

1.1.8 All embedded mitigation in the detailed design of the Proposed Development is captured in the **Design Principles Document** (**EN010166/APP/7.8**).

Table 1: Commitments Register

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic	Commitment Securing Mechanism	Associated Supporting Documentation
General - 1	Core construction working hours would be 08:00 and 18:00 Monday to Friday (except Bank Holidays) and 08:00 and 13:00 on Saturdays. Where construction works are proposed outside core hours, additional noise assessments will be undertaken if the construction noise and vibration thresholds (within Table 9-10 of **Chapter 9: Noise and Vibration** (**EN010166/APP/6.2.9**) are likely to be exceeded. The assessment(s) will identify the requirements for additional mitigation measures to ensure that construction noise and vibration thresholds would not be exceeded outside of core hours. Works conducted outside the core hours will comply with any restrictions agreed with the local planning authority, in particular regarding control of noise and traffic in accordance with the relevant requirements.	N/A	Construction	Air Quality; Noise and Vibration; Traffic and Transport; Terrestrial and Aquatic Ecology; Marine Ecology; Water Environment and Flood Risk; Geology and Ground Conditions; Landscape and Visuals Amenity; Physical Processes; Terrestrial Heritage; Marine Heritage; Socio-economics, Recreation and Tourism; Climate Change; Human Health; Major Accidents and Disasters; Materials and Waste; Cumulative Assessment	Requirement 4: CEMP	**Framework CEMP (EN010166/APP/6.5)**
General - 2	Temporary construction site lighting is proposed to enable safe working on the construction site in the hours of darkness.	N/A	Construction		Requirement 4: CEMP	**Framework CEMP (EN010166/APP/6.5)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic	Commitment Securing Mechanism	Associated Supporting Documentation
	Temporary construction lighting will be arranged so that glare is minimised outside the construction site. The Principal Contractors will be responsible for establishing the required approach to and levels of lighting in line with the **Lighting Strategy (EN010166/APP/7.22)**. Lighting will be designed so as not to cause a nuisance outside of the Order limits in relation to views from residential receptors or light disturbance to ecological receptors.					**Lighting Strategy (EN010166/APP/7.22)**
General - 3	The Principal Contractor will undertake site-specific assessments of the security and trespass risk and ensure that suitable security arrangements are implemented to prevent unauthorised access to the sites. Access to the construction compounds will be limited to specified entry points only and personnel entries/ exits will be recorded and monitored for both security and health and safety purposes, the gates will be kept secure unless they are being used.	N/A	Construction		Requirement 4: CEMP	**Framework CEMP (EN010166/APP/6.5)**
General - 4	The Proposed Development and construction laydown areas A, B and F	N/A	Construction		Requirement 4: CEMP	**Framework CEMP**

Relevant Aspect / Topic: Air Quality; Noise and Vibration; Traffic and Transport; Terrestrial and Aquatic Ecology; Marine Ecology; Water Environment and Flood Risk; Geology and Ground Conditions; Landscape and Visuals Amenity; Physical Processes; Terrestrial Heritage; Marine Heritage; Socio-economics, Recreation and Tourism; Climate Change; Human Health; Major Accidents and Disasters; Materials and Waste; Cumulative Assessment

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic	Commitment Securing Mechanism	Associated Supporting Documentation
	within the Main Development Area and C&IEA have been designed to include a minimum 30 m ecological safeguard zones, for the protection of sensitive habitats/species occupying the Dee Estuary, as shown on **Figure 5-3: Construction Laydown Areas (EN010166/APP/6.3)**. Habitats in these areas will be retained during construction and protected from any damage during the construction phase. These areas will include 3 m acoustic fencing to the north of the Main Development Area and C&IEA and 3 m acoustic fencing to the western side of the Main Development Area.					**(EN010166/APP/6.5)**
General - 5	The 3 m tall acoustic fencing to the north of the Main Development Area and C&IEA and 3 m acoustic fencing to the western side of the Main Development Area must be installed between April and September inclusive. Unless otherwise agreed with FCC and NRW, no clearance works and certain site preparation works within the Main Development Area and C&IEA would be able to occur between October and March inclusive in the absence of the 3 m acoustic fencing.	N/A	Construction		Requirement 4: CEMP	**Framework CEMP (EN010166/APP/6.5)**

Relevant Aspect / Topic: Air Quality; Noise and Vibration; Traffic and Transport; Terrestrial and Aquatic Ecology; Marine Ecology; Water Environment and Flood Risk; Geology and Ground Conditions; Landscape and Visuals Amenity; Physical Processes; Terrestrial Heritage; Marine Heritage; Socio-economics, Recreation and Tourism; Climate Change; Human Health; Major Accidents and Disasters; Materials and Waste; Cumulative Assessment

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
General – 6	It is expected that the Proposed Surface Water Outfall will be installed into an extension of the existing headwall via trenchless construction methods or open excavation. Should open excavation be required it must be limited to areas to the edge of the saltmarsh and outside of the existing mudflat habitat and undertaken either by hand or use of mini diggers. In addition, any large plant required for the lifting of trench support panels etc such as cranes and/or long reach excavators must also be located on the access road to the northern side of the existing Connah's Quay Power Station fence line and must not enter areas of saltmarsh. Materials storage and location of plant would to be limited to the area between the existing headwall and the existing access road to the northern side of the existing Connah's Quay Power Station fence line or this access road itself within the Surface Water Outfall Area, or otherwise within the Main Development Area. These works must also be completed between April and June inclusive, unless otherwise agreed with FCC and NRW.	N/A	Construction																	Requirement 4: CEMP	**Framework CEMP (EN010166/APP/6.5)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
General - 7	Refurbishment and upgrades to the existing intake structure within the Water Connection Corridor will be undertaken by competent operatives and divers and a support boat and/or barge, or similar, and foot-only access via the saltmarsh itself over an estimated three- to five-month period. Such work may include boat or shore-led pre-works surveys along the Dee Estuary, including appropriate competent resource depending on the specific task and may include divers and/or mechanical fitters. Eel screen upgrade works will comprise the removal of one existing 3 mm screen and the installation of one new 2 mm screen on each of the existing 28 intakes, in addition to minor repairs to surface concrete, metalwork, and timbers. Works within the Water Connection Corridor will not interact with the riverbed. All materials and plant (if required; it is expected that the majority of works within the Water Connection Corridor will require hand tools only) must be stored within the support barge and a working area would be	N/A	Construction																		Requirement 4: CEMP	**Framework CEMP (EN010166/APP/6.5)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic	Commitment Securing Mechanism	Associated Supporting Documentation
	established using scaffolding attached to the existing protection structure. Works must be undertaken at each of the seven intake pipes (each supporting existing four inlet baskets and to support two proposed inlet baskets) in turn with a temporary blanking plate on the individual intake pipe undergoing works to allow for continued operation of the existing Connah's Quay Power Station during works within the Water Connection Corridor. Unless otherwise agreed with FCC and NRW, these works must also be completed between April and June inclusive.					
General - 8	For any planned outages, an Environmental Management Plan would be prepared that would consider best practice measures to minimise any potential environmental effects. This would include consideration of measures to control noise and dust during the works but also the need for any ecological surveys, precautionary methods of work and pollution control measures.	N/A	Operation		Requirement 13: Operational and maintenance environmental management plan (OMEMP)	**Appendix 4-A: Operation and Maintenance Mitigation Register (EN010166/APP/6.4)** **Chapter 8: Air Quality (EN010166/APP/6.2.8)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality; Noise and Vibration; Traffic and Transport; Terrestrial and Aquatic Ecology; Marine Ecology; Water Environment and Flood Risk; Geology and Ground Conditions; Landscape and Visuals Amenity; Physical Processes; Terrestrial Heritage; Marine Heritage; Socio-economics, Recreation and Tourism; Climate Change; Human Health; Major Accidents and Disasters; Materials and Waste; Cumulative Assessment		**Chapter 9: Noise and Vibration (EN010166/APP/6.2.9)** **Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.9)**
General – 9	A detailed AIL Risk Assessment and Method Statement will be prepared by the contractor in advance of the work commencing in accordance with the requirements of the selected landside delivery point(s). In addition, an updated Navigational Risk Assessment (NRA) would be prepared should it be determined that Connah's Quay North is selected as landside delivery point. These would consider further details on confirmed component size, weight, vessel size, AIL transfer, permitting and all other associated activities.	N/A	Construction		Requirement 19: Abnormal Indivisible Loads	**NRA (EN010166/APP/6.15)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
General - 10	An updated NRA will be repeated by the contractor once the precise methodology has been confirmed in correspondence with the Dee Conservancy. Refer to the **NRA (EN010166/APP/6.15).**	N/A	Pre-Construction																		Requirement 19: Abnormal Indivisible Loads	**NRA (EN010166/APP/6.15)**
General – 11	The detailed design is to be designed in general accordance with the design principles outlined in Table 1-2 of the **Design Principles Document** (**EN010166/APP/7.8**).	N/A	Detailed Design																		Requirement 3: Detailed Design	**Design Principles Document (EN010166/APP/7.8)**
General – 12	In the operational phase it is assumed that the proposed intake and outfall infrastructure would be kept clear through the use of a compressed air blasting system or by back flush, and (if required) a jet washing system which would be incorporated into the design. The air blast and jet washing activities would only take place on a falling tide to return the silt removed to the estuary sediment budget. Should these options not be sufficient to maintain clean flow through the screen, screens would be removed and replaced by spare screens for mechanical cleaning on land may be required. Should it be required that screens be removed, these would be undertaken in accordance with the	N/A	Operation																		Requirement 13: Operational and maintenance environmental management plan (OMEMP)	**Appendix 4-A: Operation and Maintenance Mitigation Register (EN010166/APP/6.4)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	methodology for replacement of the existing eel screens as detailed in **Chapter 5: Construction Programme and Management** (**EN010166/APP/6.2.5**) of the ES.																					
General – 13	Routine maintenance would be planned and scheduled via the maintenance management system with major outages occurring approximately once every four years (per unit) depending on the nature of plant operations in that period. The contractors would access the Proposed Development via the Access to the Main Development Area from Kelsterton Road. Maintenance laydown facilities will be included within the indicative layout for the CQLCP Abated Generating Station, Maintenance Laydown Area, and within the extent of the existing Connah's Quay Power Station.	N/A	Operation																		Requirement 13: Operational and maintenance environmental management plan (OMEMP)	**Appendix 4-A: Operation and Maintenance Mitigation Register (EN010166/APP/6.4)**
General – 14	It is expected that the programme of inspection and maintenance of the CO_2 pipelines from the Proposed CO_2 AGI and Liverpool Bay CCS Limited's Flint AGI would align with HyNet CO_2 Pipeline Project's routine programme of inspection and maintenance and in accordance with best practice and	N/A	Operation																		Requirement 13: Operational and maintenance environmental management	**Appendix 4-A: Operation and Maintenance Mitigation Register (EN010166/APP/6.4)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	regulatory requirements. For further details, please see Table 4-2 of **Chapter 4: The Proposed Development** (**EN010166/APP/6.2.4**).																				plan (OMEMP)	
General – 15	Any additional lighting (beyond the final lighting design) that may be required for maintenance purposes will be produced by temporary-use lighting which may be included as part of the proposals that are installed for and to the minimum specifications necessary for the required task, or consist of mobile task lighting that can be used as needed and removed once required tasks are complete. Any lighting will be sited or screened in such a way as to reduce illumination on adjoining sensitive habitats to minimise effects on receptors sensitive to light impacts in accordance with the principles identified in the **Lighting Strategy** (**EN010166/APP/7.22**).	N/A	Operation																		Requirement 13: Operational and maintenance environmental management plan (OMEMP)	**Appendix 4-A: Operation and Maintenance Mitigation Register (EN010166/APP/6.4)**
General – 16	External Lighting shall be further reduced to only critical lighting from 23:00 to 05:00 hours, where lighting not required for safety or security is dimmed or turned off to reduce the impact of obtrusive lighting on the local environment (i.e. 23:00 hrs as per	N/A	Operation																		Requirement 13: Operational and maintenance environmental management	**Appendix 4-A: Operation and Maintenance Mitigation Register (EN010166/APP/6.4)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	recommendation from the Institute of Lighting Professionals GN01/21 (Ref 2) and 05:00 hrs as per the usual recommendation from local authorities and the Planning Practice Guidance (PPG) (Ref 3)).																				plan (OMEMP)	
General – 17	A Design Champion will be appointed to oversee the detailed design of the Proposed Development following the grant of development consent. The design champion will ensure the delivery of good process and quality sustainable good design outcomes.	N/A	Detailed Design																		Requirement 3: Detailed Design	**Design Principles Document (EN010166/APP/7.8)**
General – 18	The detailed design of each relevant stage of Work No. 1 will be subject to a design review by the Design Commission for Wales prior to submission of details for that stage to the relevant planning authority for approval pursuant to Requirement 3 of the **Draft DCO** (**EN010166/APP/3.1**).	N/A	Detailed Design																		Requirement 3: Detailed Design	**Design Principles Document (EN010166/APP/7.8)**
General – 19	To minimise the construction works and limit use of additional permanent land, elements of the existing Connah's Quay Power Station, such as purging ponds, cooling water abstraction and discharge infrastructure, would be repurposed for use as part of the Proposed Development. The shared infrastructure	N/A	Detailed Design																		Requirement 3: Detailed Design	**Design Principles Document (EN010166/APP/7.8)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	is shown on **Shared Infrastructure** (**EN010166/APP/7.9**).																					
General – 20	The design of the new outfall will include modular structures and/ or allow for prefabrication of structures outside of the Surface Water Outfall Area to minimise the presence of wet concrete within the Surface Water Outfall Area.	N/A	Detailed Design																		Requirement 3: Detailed Design	**Design Principles Document (EN010166/APP/7.8)**
General – 21	A working corridor of 32 m around the route (not necessarily centered) of the Proposed CO_2 Connection Corridor will be applied in which the construction of the Proposed CO_2 Connection pipeline will be undertaken, including all plant movements, material storage, and remediation of ground post-construction.	N/A	Detailed Design																		Requirement 3: Detailed Design	**Design Principles Document (EN010166/APP/7.8)**
General – 22	The dimensions, and extents of temporary haul roads within the extent of Work No. 7 will be minimised and the shortest possible straight-line distances will be used where reasonably practicable outside of the proposed temporary compound and the working corridor.	N/A	Detailed Design																		Requirement 3: Detailed Design	**Design Principles Document (EN010166/APP/7.8)**
General – 23	The existing pedestrian railings (kerbside, at the outer edge of the footpath) within Flint Conservation Area will not be removed or altered for any	N/A	Detailed Design																		Requirement 3: Detailed Design	**Design Principles Document**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	duration as part of Work No. 11 in order to avoid impacts to the historical character.																					**(EN010166/APP/7.8)**
General - 24	Noise from the operation of the Proposed Development will not exceed 8 decibel (dB) higher than the background sound levels as set out in Table 9-8: Baseline Sound Survey Results of **Chapter 9: Noise and Vibration** (**EN010166/APP/6.2.9**) of the **ES** unless otherwise approved by the relevant planning authority.	N/A	Detailed Design																		Requirement 3: Detailed Design Requirement 12: Control of noise - operation	**Design Principles Document (EN010166/APP/7.8)**
General – 25	A proposed surface water outfall adjacent to the Main Development Area is required adjacent to the existing Connah's Quay Power Station discharge point. Details of this shall be incorporated into and included within the detailed design to be submitted to and approved by the relevant local authority and implemented in accordance with the approved details.	N/A	Detailed Design																		Requirement 3: Detailed Design	**Design Principles Document (EN010166/APP/7.8)**
General – 26	The detailed design will include the provision of a new fire suppression system including storage tanks and suitable protection measures for surface water drainage in the event of its use.	N/A	Detailed Design																		Requirement 3: Detailed Design	**Design Principles Document (EN010166/APP/7.8)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
General – 27	Design engineering standards to be incorporated into the Proposed Development for the provision of lightning protection systems on buildings and structures, such as lightning protections (rods) built into structures, will be earthed.	N/A	Detailed Design																		Requirement 3: Detailed Design	**Design Principles Document (EN010166/APP/7.8)**
General – 28	The Proposed Development will apply lighter colours at high level and darker colours at low level. The choice of colour is to be developed in general accordance with the completed Environmental Colour Analysis contained in **Appendix 15-F: Colour Analysis** of the **ES** (**EN010166/APP/6.4**) to minimise the overall scale and appearance of the Proposed Development.	N/A	Detailed Design																		Requirement 3: Detailed Design	**Design Principles Document (EN010166/APP/7.8)**
General – 29	The materials proposed for the detailed design shall be durable and heat-resistant.	N/A	Detailed Design																		Requirement 3: Detailed Design	**Design Principles Document (EN010166/APP/7.8)**
General – 30	The Proposed Development will be designed to ensure the protection and retention of all veteran trees located within the Order limits.	N/A	Detailed Design																		Requirement 13: Operational and maintenance environmental	**Appendix 4-A: Operation and Maintenance Mitigation Register**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment	management plan (OMEMP)	**(EN010166/APP/6.4)**
General – 31	The detailed design will ensure that Work No. 3 does not interact with the riverbed.	N/A	Detailed Design																		Requirement 3: Detailed Design	**Design Principles Document (EN010166/APP/7.8)**
General – 32	Work No. 5 will include an extension to the existing headwall to create the Proposed Surface Water Outfall.	N/A	Detailed Design																		Requirement 3: Detailed Design	**Design Principles Document (EN010166/APP/7.8)**
General – 33	Should open excavation as part of Work No. 5 be required it will be limited to areas to the edge of the saltmarsh and outside of the existing mudflat habitat and undertaken either by hand or through use of mini diggers. In addition, any large plant required for the lifting of trench support panels, such as cranes and/or long reach excavators, will also be located on the access road to the northern side of the existing Connah's Quay Power Station fence line and will not enter areas of saltmarsh. Any removed topsoil would stored during construction to allow for reinstatement.	N/A	Detailed Design																		Requirement 4: CEMP	**Framework CEMP (EN010166/APP/6.5)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	Materials storage and location of plant associated with Work No. 5 will be limited to the area between the existing headwall and the existing access road to the northern side of the existing Connah's Quay Power Station fence line or this access road itself within the Surface Water Outfall Area, or otherwise within the Main Development Area. Unless otherwise agreed with FCC and NRW, these works will also be completed between April and June inclusive.																					
General – 34	Work No. 10 will include the provision of new temporary access off the A548 into the Proposed Development.	N/A	Detailed Design																		Requirement 3: detailed design	**Design Principles Document (EN010166/APP/7.8)**
General – 35	As required, practices to reduce traffic associated with staff travel during outages would be specified in a worker travel plan for operation or similar management plan.	N/A	Operation																		Requirement 13: Operational and maintenance environmental management	**Appendix 4-A: Operation and Maintenance Mitigation Register (EN010166/APP/6.4)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
																					plan (OMEMP)	
General – 36	Above-ground assets in the Water Connection Corridor would be visually inspected with a recurrence aligned with the requirements of supplier equipment.	N/A	Operation																		Requirement 13: Operational and maintenance environmental management plan (OMEMP)	**Appendix 4-A: Operation and Maintenance Mitigation Register (EN010166/APP/6.4)**
General – 37	No maintenance dredging would be carried out to the Water Connection Corridor, in line with existing operation (in which silt is extracted from cooling water on land only).	N/A	Operation																		Requirement 13: Operational and maintenance environmental management plan (OMEMP)	**Appendix 4-A: Operation and Maintenance Mitigation Register (EN010166/APP/6.4)**
General - 38	As part of decommissioning activities for the Proposed Development, the Undertaker will explore opportunities to remove the headwall extension associated with the Proposed Surface Water Outfall. The existing headwall associated with the existing Connah's Quay Power Station would be removed	N/A	Decommissioning																		Requirement 17: Decommissioning environmental management plan (DEMP)	**Applicant's Response to Relevant Representations (EN010166/APP/9.4)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	once it is redundant and when removal is feasible.																					
General - 39	The authorised development may not commence until a written scheme setting out all stages of the authorised development has been submitted to the relevant planning authority. The written scheme submitted may be amended by the undertaker.	N/A	All																		Requirement 20: Stages of authorised development	**Draft DCO (EN010166/APP/3.1)**
Air Quality (AQ) - 1	Standard construction practices to minimise impacts on air quality will be adhered to during construction as presented in the **Framework Construction Environmental Management Plan** (**CEMP**) (**EN010166/APP/6.5**) and listed as commitments below.	N/A	Construction																		Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**
AQ - 2	Develop and implement a stakeholder communications plan that includes community engagement before work commences on-site.	N/A	Construction																		Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**

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AQ - 3	Display the name and contact details of person(s) accountable for air quality and dust issues for the Proposed Development. This may be the environment manager/engineer or the site manager.	N/A	Construction																		Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**
AQ - 4	Display the head or regional office contact information.	N/A	Construction																		Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**
AQ - 5	Develop and implement a Dust Management Plan (DMP), which may include measures to control other emissions, approved by the Local Authority. The DMP may include monitoring of dust deposition, dust flux, real-time PM_{10} continuous monitoring and/or visual inspections.	N/A	Construction																		Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**

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AQ - 5	Record all dust and air quality complaints, identify cause(s), take appropriate measures to reduce emissions in a timely manner, and record the measures taken in a logbook.	N/A	Construction																		Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**
AQ - 6	Make the complaints log available to the local authority when asked.	N/A	Construction																		Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**
AQ – 7	Record any exceptional incidents that cause dust and/or air emissions, either on- or offsite, and the action taken to resolve the situation in the logbook.	N/A	Construction																		Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
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AQ -7	Hold regular liaison meetings with other high-risk[1] construction sites within 500m of the Proposed Development (or greater, if applicable), to ensure plans are co-ordinated and dust and particulate matter emissions are minimised.	N/A	Construction	■									■		■						Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**
AQ - 8	Undertake daily on-site and off-site inspection, where receptors (including roads) are nearby, to monitor dust, record inspection results, and make the log available to the local authority when asked. This should include regular dust soiling checks of surfaces such as street furniture, cars and windowsills within 100m of Proposed Development, with cleaning to be provided if necessary.	N/A	Construction	■									■		■						Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**
AQ - 9	Carry out regular site inspections to monitor compliance with the DMP, record inspection results, and make an inspection log available to the local authority when asked.	N/A	Construction	■											■						Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP**

[1] As defined in the Institute of Air Quality Management (IAQM) Guidance on the assessment of dust from demolition and construction Version 2.1 (Ref 4)

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AQ - 10	Increase the frequency of site inspections by the person accountable for air quality and dust issues on-site when activities with a high potential to produce dust are being carried out and during prolonged dry or windy conditions.	N/A	Construction																		Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**
AQ - 11	Agree approach to monitoring with the Local Authority ahead of construction commencing. Data will be collected before any work commences on-site to provide a comparative baseline should real-time airborne particulate or dust deposition monitoring be required.	N/A	Construction																		Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**
AQ - 12	Plan site layout so that machinery and dust causing activities are located away from receptors, as far as is possible.	N/A	Construction																		Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP**

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AQ - 13	Fully enclose site or specific operations where there is a high potential for dust production and the site is active for an extensive period where operations are within 100m of receptors.	N/A	Construction																		Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/ 6.2.8)** **Framework CEMP (EN010166/APP/ 6.5)**
AQ - 14	Avoid site runoff of water or mud.	N/A	Construction																		Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/ 6.2.8)** **Framework CEMP (EN010166/APP/ 6.5)**
AQ - 15	Keep site fencing, barriers and scaffolding clean using wet methods.	N/A	Construction																		Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/ 6.2.8)** **Framework CEMP**

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AQ - 16	Remove materials that have a potential to produce dust from the Order limits as soon as possible, unless being re-used on-site. If they are being re-used on-site cover as described below in AQ – 31.	N/A	Construction																		Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/ 6.2.8)** **Framework CEMP (EN010166/APP/ 6.5)**
AQ - 17	Ensure all vehicles switch off engines when stationary - no idling vehicles.	N/A	Construction																		Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/ 6.2.8)** **Framework CEMP (EN010166/APP/ 6.5)**
AQ - 18	Avoid the use of diesel- or petrol-powered generators and use mains electricity or battery powered equipment where practicable.	N/A	Construction																		Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/ 6.2.8)** **Framework CEMP**

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				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		**(EN010166/APP/6.5)**
AQ - 19	Impose and signpost a maximum-speed-limit of 15 mph on surfaced and 10 mph on unsurfaced haul roads and work areas (if long haul routes are required these speeds may be increased with suitable additional control measures provided, subject to the approval of the nominated undertaker and with the agreement of the local authority, where appropriate).	N/A	Construction																		Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**
AQ - 20	Produce a Construction Traffic Management Plan (CTMP) to manage the sustainable delivery of goods and materials.	N/A	Construction																		Requirement 4: CEMP Requirement 5: Construction traffic	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)** **Framework CTMP (EN010166/APP/6.6)**
AQ - 21	Implement a Travel Plan that supports and encourages sustainable travel	N/A	Construction																		Requirement 4: CEMP	**Chapter 8: Air Quality**

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				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment	
	(public transport, cycling, walking, and car-sharing).			■		■							■		■	■	■				Requirement 5: Construction traffic	**(EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)** **Framework CWTP (EN010166/APP/6.7)**
AQ - 22	Only use cutting, grinding or sawing equipment fitted or in conjunction with suitable dust suppression techniques such as water sprays or local extraction, e.g. suitable local exhaust ventilation systems.	N/A	Construction	■									■		■		■				Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**
AQ - 23	Ensure an adequate water supply on the site for effective dust/particulate matter suppression/mitigation, using non-potable water where possible and appropriate.	N/A	Construction	■									■		■		■				Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP**

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AQ - 24	Ensure equipment is readily available on-site to clean any dry spillages and clean up spillages as soon as reasonably practicable after the event using wet cleaning methods.	N/A	Construction	■					■				■		■		■				Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/ 6.2.8)** **Framework CEMP (EN010166/APP/ 6.5)**
AQ - 25	There will be no bonfires and burning of waste materials.	N/A	Construction	■									■		■		■				Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/ 6.2.8)** **Framework CEMP (EN010166/APP/ 6.5)**
AQ - 26	Demolition - Soft strip inside buildings before demolition (retaining walls and windows in the rest of the building where possible, to provide a screen against dust).	N/A	Construction	■											■		■				Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/ 6.2.8)** **Framework CEMP**

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AQ - 27	Demolition - Ensure effective water suppression is used during demolition operations. Handheld sprays are more effective than hoses attached to equipment as the water can be directed to where it is needed.	N/A	Construction																	Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**
AQ - 28	Demolition - Avoid explosive blasting, using appropriate manual or mechanical alternatives.	N/A	Construction																	Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**
AQ - 29	Demolition - Bag and remove any biological debris or damp down such material before demolition.	N/A	Construction																	Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP**

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AQ - 30	Earthworks - Re-vegetate earthworks and exposed areas/soil stockpiles to stabilise surfaces as soon as practicable.	N/A	Construction																		Requirement 4: CEMP	**Framework CEMP (EN010166/APP/ 6.5)**
AQ - 31	Earthworks - Use Hessian, mulches or tackifiers where it is not possible to re-vegetate or cover with topsoil, as soon as practicable.	N/A	Construction																		Requirement 4: CEMP	**Framework CEMP (EN010166/APP/ 6.5)**
AQ – 32	Earthworks - Only remove the cover in small areas during work and not all at once.	N/A	Construction																		Requirement 4: CEMP	**Framework CEMP (EN010166/APP/ 6.5)**
AQ - 33	Construction - Avoid scabbling (roughening of concrete surfaces) if possible.	N/A	Construction																		Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/ 6.2.8)** **Framework CEMP (EN010166/APP/ 6.5)**
AQ - 34	Construction - Ensure sand and other aggregates are stored in bunded areas and are not allowed to dry out, unless this is required for a particular process,	N/A	Construction																		Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/ 6.2.8)**

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	in which case ensure that appropriate additional control measures are in place.																				**Framework CEMP (EN010166/APP/6.5)**
AQ - 35	Construction - Ensure bulk cement and other fine powder materials are delivered in enclosed tankers and stored in silos with suitable emission control systems to prevent escape of material and overfilling during delivery.	N/A	Construction																		Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**
AQ - 36	Construction - For smaller supplies of fine powder materials ensure bags are sealed after use and stored appropriately to prevent dust emissions.	N/A	Construction																		Requirement 4: CEMP	**Framework CEMP (EN010166/APP/6.5)**
AQ - 37	Trackout - Use water-assisted dust sweeper(s) on the access and local roads, to remove, as necessary, any material tracked out of the site. This may require the sweeper being continuously in use.	N/A	Construction																		Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**

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AQ - 38	Trackout - Avoid dry sweeping of large areas.	N/A	Construction	■									■		■		■				Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**
AQ - 39	Trackout - Ensure vehicles entering and leaving sites are covered to prevent escape of materials during transport.	N/A	Construction	■									■		■		■				Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**
AQ - 40	Trackout - Inspect on-site haul routes for integrity and instigate necessary repairs to the surface as soon as reasonably practicable.	N/A	Construction	■									■		■		■				Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**

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AQ - 41	Trackout - Record all inspections of haul routes and any subsequent action in a site logbook.	N/A	Construction	■									■		■		■				Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**
AQ - 42	Trackout - Install hard surfaced haul routes, which are regularly damped down with fixed or mobile sprinkler systems, or mobile water bowsers and regularly cleaned.	N/A	Construction	■									■		■		■				Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**
AQ - 43	Trackout - Implement a wheel washing system (with rumble grids to dislodge accumulated dust and mud prior to leaving the site where reasonably practicable).	N/A	Construction	■									■		■		■				Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**

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AQ - 44	Trackout - Ensure there is an adequate area of hard surfaced road between the wheel wash facility and the site exit, wherever site size and layout permits	N/A	Construction	■									■		■		■				Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**
AQ - 45	Trackout - Access gates to be located at least 10 m from receptors where possible.	N/A	Construction	■									■		■		■				Requirement 4: CEMP	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Framework CEMP (EN010166/APP/6.5)**
AQ - 46	The Proposed Development would be designed such that process emissions to air comply with the Emission Limit Value (ELV) requirements specified in the Industrial Emissions Directive (IED) and where additional, or tighter, the relevant Best Available Technique (BAT) reference documents (BRefs).	N/A	Detailed Design	■											■		■				Requirement 3: Detailed Design Environmental Permitting (England and Wales) Regulations 2016	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Design Principles Document (EN010166/APP/7.8)**

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Noise & Vibration (NV) - 1	Potential sound of a tonal, impulsive or intermittent nature would be designed out of the Proposed Development during the detailed design phase by the selection of appropriate plant, building cladding, louvres and silencers/attenuators as necessary.	N/A	Detailed Design		■								■		■		■				Requirement 3: Detailed design	**Chapter 9: Noise and Vibration (EN010166/APP/6.2.9)** **Design Principles Document (EN010166/APP/7.8)**
NV – 2	Provision of a package of sound insulation to nearby NSRs may also be considered, as a last resort, where other measures are unlikely to be adequate	N/A	Operation		■								■		■		■				Requirement 13: Operational and maintenance environmental management plan (OMEMP)	**Chapter 9: Noise and Vibration (EN010166/APP/6.2.9)** **Appendix 4-A: Operation and Maintenance Mitigation Register (EN010166/APP/6.4)**
NV - 3	Standard construction practices to minimise noise and vibration have been included in the **Framework CEMP**	N/A	Construction		■	■									■		■				Requirement 4: CEMP	**Chapter 9: Noise and Vibration**

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	(**EN010166/APP/6.5**), **Framework Construction Worker Travel Plan (CWTP)** (**EN010166/APP/6.**7) and **Framework CTMP** (**EN010166/APP/6.6**).				■	■									■		■				Requirement 5: Construction traffic	**(EN010166/APP/6.2.9)** **Framework CEMP (EN010166/APP/6.5)** **Framework CTMP (EN010166/APP/6.6)** **Framework CWTP (EN010166/APP/6.7)**
NV - 4	Method statements regarding construction management, traffic management and overall site management would be prepared prior to construction in accordance with best practice and relevant British Standards, to help minimise impacts of the construction works.	N/A	Construction		■								■		■		■				Requirement 4: CEMP Requirement 5: Construction traffic	**Chapter 9: Noise and Vibration (EN010166/APP/6.2.9)** **Framework CEMP (EN010166/APP/6.5)**

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				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		**Framework CTMP (EN010166/APP/6.6)**
NV-5	Regular communication with the local community throughout the construction period and give notification to NSRs regarding periods when higher levels of noise may occur during specific operations, and provide a line of communication where complaints can be addressed	N/A	Construction																		Requirement 4: CEMP	**Chapter 9: Noise and Vibration (EN010166/APP/6.2.9)** **Framework CEMP (EN010166/APP/6.5)**
NV-7	Where significant construction effects are predicted, additional noise-control equipment such as jackets on pneumatic drills, acoustic covers on compressors, shrouds on piling rigs and cranes and potentially further refinement of construction works programme would be considered and implemented where practicable. The use of temporary barriers or screens may also provide additional mitigation.	N/A	Construction																		Requirement 4: CEMP Requirement 12: Control of Noise and Vibration – Construction	**Chapter 9: Noise and Vibration (EN010166/APP/6.2.9)** **Framework CEMP (EN010166/APP/6.5)**
NV-8	If necessary and agreed with the Local Planning Authority, noise monitoring can be undertaken to assess the potential	N/A	Construction																		Requirement 4: CEMP	**Chapter 9: Noise and Vibration**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment	
	impacts of construction traffic along Kelsterton Road																			Requirement 12: Control of Noise and Vibration – Construction	**(EN010166/APP/6.2.9)** **Framework CEMP (EN010166/APP/6.5)**
NV-9	Where construction works are proposed outside core hours, additional noise assessments would be undertaken and if necessary additional mitigation measures required to confirm that construction noise and vibration thresholds are met. Any additional mitigation would be agreed with Flintshire County Council (FCC).	N/A	Construction																	Requirement 4: CEMP Requirement 12: Control of Noise and Vibration – Construction	**Chapter 9: Noise and Vibration (EN010166/APP/6.2.9)** **Framework CEMP (EN010166/APP/6.5)**
NV-10	Where vibratory rollers are to be used within 50 m of receptors these would be required to be used on low amplitude mode and no vibratory rollers to be used within 28 m of NSRs.	N/A	Construction																	Requirement 4: CEMP Requirement 12: Control of Noise and Vibration – Construction	**Chapter 9: Noise and Vibration (EN010166/APP/6.2.9)** **Framework CEMP (EN010166/APP/6.5)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
NV-11	The control and monitoring of noise during operation would be controlled by an Environmental Permit	N/A	Operation		■								■		■		■				Environmental Permitting regime	**Chapter 9: Noise and Vibration (EN010166/APP/6.2.9)** **r** **Consents Agreements Position Statement (EN010166/APP/3.3)**
NV-12	The Proposed Development would be operated in line with appropriate standards, whilst the operator would implement and maintain an Environment Management System (EMS) which would be attested to ISO 14001. The EMS would outline requirements and procedures required so that the Proposed Development is operating to the appropriate standard.	N/A	Operation		■								■		■		■				Requirement 13: OMEMP	**Chapter 9: Noise and Vibration (EN010166/APP/6.2.9)** **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
NV-13	Following the findings of the further noise and vibration assessment, the Applicant can offer pre-condition surveys to the residential properties closest to noise /vibration generating activities.	N/A	Construction																		Requirement 4: CEMP	**Framework CEMP (EN010166/APP/6.5)**
Traffic and Transport (TRA) - 1	Prior to construction of the Proposed Development, the undertaker will consider opportunities for zero / low emission construction / plant vehicles. This would include investigation of potential opportunities for alternative fuels in the required vehicles to reduce the impact of road haulage during the construction phase.	N/A	Procurement																		Requirement 4: CEMP Requirement 5: Construction Traffic	**Chapter 10: Traffic and Transport (EN010166/APP/6.2.10)** **Framework CEMP (EN010166/APP/6.5)**
TRA - 2	The **Framework CTMP (EN010166/APP/6.6**) sets out measures to control construction traffic. The Principal Contractor(s) will prepare and implement a detailed Construction Traffic Management Plan (CTMP), in general accordance with the **Framework CTMP** (**EN010166/APP/6.6**).	N/A	Construction																		Requirement 5: Construction Traffic	**Chapter 10: Traffic and Transport (EN010166/APP/6.2.10)** **Framework CTMP (EN010166/APP/6.6)**
TRA - 3	The Framework CWMP sets out measures to reduce the impact of	N/A	Construction																		Requirement 5:	**Chapter 10: Traffic and**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	workers travelling to and from the Main Development Area (MDA).																				Construction Traffic	**Transport (EN010166/APP/6.2.10)** **Framework CWTP (EN010166/APP/6.7)**
TRA - 4	The Undertaker would provide alternative temporary access to the nature reserve and Site of Specific Scientific Interest (SSSI) for users during the construction phase of the Proposed Development.	N/A	Construction																		Article 15: Stopping up of streets, public rights of way and rights of navigation	**Chapter 10: Traffic and Transport (EN010166/APP/6.2.10)** **Draft DCO (EN010166/APP/3.1)**
TRA - 5	A temporary diversion of FCC Public Right of Way (PRoW) No.66, in order to facilitate construction of the Proposed CO_2 Connection pipeline where they intersect. This would be required to be in place prior to the temporary closure of the PRoW.	N/A	Construction																		Article 15: Stopping up of streets, public rights of way and rights of navigation	**Chapter 10: Traffic and Transport (EN010166/APP/6.2.10)** **Draft DCO (EN010166/APP/3.1)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
Terrestrial and Aquatic Ecology (TAE) - 1	The design of the Proposed Development will consider Important Ecological Features (IEF)s and will incorporate, where reasonably practicable, measures to reduce the potential for adverse effects.	N/A	Detailed Design																		Requirement 3: Detailed design	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)** **Appendix 11-A: Ecological Impact Assessment Methodology (EN010166/APP/6.4)** **Design Principles Document (EN010166/APP/7.8)**
TAE - 2	The Proposed Development has been designed to provide Net Biodiversity Benefit (NBB). Following construction, the C&IEA would be used for NBB measures.	Monitoring of targeted habitat creation and enhancement measures	Detailed Design																		Requirement 18: Detailed design	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	A detailed Off-Site NBB Plan must be developed in general accordance with the **Offsite Net Benefit for Biodiversity and Green Infrastructure Strategy Rev 00 (EN010166/APP/6.14)**.	at Gronant Fields																				**Green Infrastructure Statement (EN010166/APP/6.11)** **Offsite Net Benefit for Biodiversity and Green Infrastructure Strategy Rev 00** **(EN010166/APP/6.14)** **Outline LEMP (EN010166/APP/6.9)**
TAE - 3	Lighting will be sited or screened in such a way as to reduce illumination on adjoining sensitive habitats to minimise effects on receptors sensitive to light impacts where practicable.	N/A	Detailed Design																		Requirement 3: Detailed design	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)**

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				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		**Lighting Strategy (EN010166/APP/7.22)**
TAE - 4	The final stack height for the Proposed Development has been optimised to aid dispersion of pollutants, with consideration given to minimisation of ground-level air quality impacts, including on relevant biodiversity and nature conservation features.	N/A	Detailed Design																		Requirement 3: Detailed design	**Chapter 8: Air Quality (EN010166/APP/6.2.8)** **Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)** **Chapter 15: Landscape and Visual (EN010166/APP/6.2.15)** **Draft DCO (EN010166/APP/3.1)**
TAE - 5	Permanent habitat loss to be mitigated with replacement planting within the Order limits in advance of construction	N/A	Detailed Design																		Requirement 11: Curlew mitigation and	**Chapter 11: Terrestrial and Aquatic**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	activities where possible and through compensation off-Site.																				monitoring plan	**Ecology (EN010166/APP/6.2.11)** **Report to Inform Habitats Regulations Assessment (EN010166/APP/6.12)** **Curlew Mitigation Strategy (EN010166/APP/6.13).**
TAE - 6	Following analysis of further survey results to support with obtaining Letters of No Impediment from Natural Resources Wales (NRW) for protected species (where applicable), additional species-specific mitigation would be incorporated into the design, as appropriate.	N/A	Detailed Design																		Legislative environmental controls	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)** **Consents and Agreement Position Statement**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		**(EN010166/APP/3.3)**
TAE - 7	Not used																					
TAE - 8	Not used																					
TAE - 9	All relevant protected species legislation would be complied with during the construction phase. Where relevant, licenses would be sought from NRW to allow works to proceed where they impact protected species.	N/A	Construction																		Framework CEMP (EN010166/APP/6.5)	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)** **Framework CEMP (EN010166/APP/6.5)** **Consents Agreements Position Statement (EN010166/APP/3.3)**
TAE - 10	The ground excavated during construction of the Proposed CO_2 Connection would be reinstated after construction to its pre-existing habitat condition where practicable. Existing	N/A	Construction																		Requirement 4: CEMP	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	vegetation lost/disturbed would be replanted/replaced.																					**Framework CEMP (EN010166/APP/6.5)**
TAE - 11	Additional sediment control measures would be in place around the Kelsterton Brook/Old Rockcliffe Drain culvert so construction works do not result in untreated water entering the culvert as a pathway to the River Dee.	N/A	Construction																		Requirement 4: CEMP	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)** **Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)**
TAE - 12	There would be retention of, and appropriate stand-offs (described in Water Environment and Flood Risk Measures) from all waterbodies/courses	N/A	Construction																		Requirement 4: CEMP	**Chapter 11: Terrestrial and Aquatic Ecology**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	(including the Allt-Goch Brook, Allt-Goch Tributary and Lead Brook.																					**(EN010166/APP/6.2.11)** **Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)**
TAE - 13	Minor works (if required) within the Electrical Connection Corridor would be carried out via existing access points or within the existing substation.	N/A	Construction																		Requirement 4: CEMP	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)** **Framework CEMP (EN010166/APP/6.5)**
TAE - 14	Lighting would be restricted to focused point-use where reasonably practicable. Construction would be carried out during	N/A	Construction																		Requirement 4: CEMP	**Chapter 11: Terrestrial and Aquatic**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	daylight hours to avoid the use of artificial light. Where this isn't possible then lights would be directed away from watercourses and bodies so that fish migration, spawning and feeding is not disrupted.																					**Ecology (EN010166/APP/6.2.11)** **Framework CEMP (EN010166/APP/6.5)** **Lighting Strategy (EN010166/APP/7.10)**
TAE - 15	An ECoW would be appointed by the Applicant to provide ecological oversight, instruct and report on all site clearance and construction works with potential to affect protected species, encompassing both licensed and unlicensed activities. Measures to deliver compliance with industry good practice and environmental protection legislation during both construction and operation (e.g. in relation to prevention of surface and groundwater pollution, fugitive dust management, noise prevention or amelioration) will be in accordance with NPS EN-1.	N/A	Pre-Construction																		Requirement 4: CEMP	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)** **Framework CEMP (EN010166/APP/6.5)** **Lighting Strategy**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		**(EN010166/APP/7.10)**
TAE - 16	All habitats subject to temporary impacts during construction would be reinstated. Where appropriate, well-established plant stock would be used to reduce the time taken to restore habitats to their pre-construction condition. Additionally, vegetation would be protected from tracked construction vehicles with ground protection mats where applicable.	N/A	Post-Construction																		Requirement 10: LEMP	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)** **Outline LEMP (EN010166/APP/6.9)**
TAE - 17	Habitat to be retained would be protected from any direct effects of the construction works through appropriate measures such as (but not restricted to) demarcation zones and toolbox talks delivered by the ECoW.	N/A	Construction																		Requirement 4: CEMP	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)** **Framework CEMP (EN010166/APP/6.5)** **Outline LEMP (EN010166/APP/6.9)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
TAE - 18	Precautionary working methods would be put in place prior to and during construction for the purposes of avoiding impacts on named species and to comply with relevant legislation. Prior to the start of the construction works the ECoW would deliver a pre-works briefing to all site staff. This would detail the precautionary working methods the be implemented, what to do if an animal is found on site and how to identify the species that maybe present onsite	N/A	Construction																		Requirement 4: CEMP	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)** **Framework CEMP (EN010166/APP/6.5)**
TAE - 19	Prior to the start of the construction works the ECoW would deliver a pre-works briefing to all site staff. This would detail the precautionary working methods the be implemented, what to do if an animal is found on site and how to identify the species that maybe present onsite.	N/A	Construction																		Requirement 4: CEMP	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)** **Framework CEMP (EN010166/APP/6.5)**
TAE - 20	All clearance of suitable vegetation to be done outside the breeding season (typically March to August inclusive for	N/A	Construction																		Requirement 4: CEMP	**Chapter 11: Terrestrial and Aquatic**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	most species), where possible. If not possible, the ECoW would check the working area for nests before works commence. If active nests are discovered through this process, then the ECoW would advise on appropriate mitigation to ensure that these are not impacted by construction activities. All relevant works would be completed in accordance with this advice and under an ecological watching brief. Birds may be dissuaded from nesting in construction/site access routes by removing vegetation from the desired area before the breeding season commences. Where this is not possible bird deterrent measures would be deployed to deter birds from nesting, followed by the completion of a pre-works survey to check for the presence of nests. In some cases a combination of measures may be required (to be advised by the ECoW) such as to prevent ground nesting species nesting on bare ground after vegetation removal. If Schedule 1 bird species are found breeding within the working area, or close enough to the working area that works would result in disturbance of the																					**Ecology (EN010166/APP/6.2.11)** **Framework CEMP (EN010166/APP/6.5)**

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	breeding birds, works would stop immediately and NRW would be advised																					
TAE - 21	Vegetation would be removed in a two-stage cut. The first cut would take vegetation down to 150 mm. Any cuttings would be removed from the works area. The second cut would be performed down to ground level at least 72 hours after the first cut to allow any animals present chance to move away from the area. Any animals found would be moved out of the works area with gloved hands and released in similar habitat to where they were found outside the area of works.	N/A	Construction																		Requirement 4: CEMP	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)** **Framework CEMP (EN010166/APP/6.5)**
TAE - 22	In areas where there is a low risk of encountering great crested newts on site (within the Proposed CO_2 Corridor) an ECoW would be present for any vegetation removal. Vegetation would be removed in a two-stage cut. The first cut would take vegetation down to 150 mm. Any cuttings would be removed from the works area. After the first cut the ECoW would hand search the works area focusing on any suitable resting sites for great crested newt before the second cut down to ground level is performed. If a great crested newt is	N/A	Construction																		Requirement 4: CEMP	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)** **Framework CEMP (EN010166/APP/6.5)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	found then all works in the area would cease and a mitigation licence for the works would be sought from NRW.																					**Consents Agreements Position Statement (EN010166/APP/3.3)**
TAE - 23	Any animal hole or burrow found within the construction boundary would be inspected by the ECoW who would advise on the course of action to be taken. A 30 m buffer would be maintained from any active badger sett during the works should this be discovered (to date no badger setts have been recorded). If this is not possible then a licence for full or partial closure of the sett would be required from NRW prior to commencement of the works.	N/A	Construction																		Requirement 4: CEMP	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)** **Framework CEMP (EN010166/APP/6.5)**
TAE - 24	Minimum buffer zone of approximately 30 m (which may be reduced subject to findings and assessment by an appropriately qualified bat licensed ecologist) from any retained trees with suitability for roosting bats, or further surveys to be carried out where there is potential for direct impacts.	N/A	Construction																		Requirement 4: CEMP	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)** **Framework CEMP**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		**(EN010166/APP/6.5)**
TAE - 25	All excavations would be covered overnight, or where this is not practicable, a means of escape would be fitted e.g. battered soil slope or scaffold plank, to provide an escape route should any animals (e.g. reptiles, badger, otter, hedgehog) stray into the construction site and fall into an excavation	N/A	Construction																		Requirement 4: CEMP	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)** **Framework CEMP (EN010166/APP/6.5)**
TAE - 26	An Invasive Species Management Plan (ISMP) survey would be updated prior to construction to determine the current location and extent of plant Invasive Non-Native Species (INNS), and to inform specification of the ISMP. If determined as necessary through this survey and after consideration of other available plant and animal INNS data, an ISMP would be prepared to accompany the final CEMP and would be agreed with relevant stakeholders	N/A	Construction																		Requirement 4: CEMP	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)** **Framework CEMP (EN010166/APP/6.5)**
TAE - 27	Preconstruction update surveys would be carried out for protected species where relevant or necessary.	N/A	Construction																		Requirement 4: CEMP	**Chapter 11: Terrestrial and Aquatic**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
																						Ecology (EN010166/APP/6.2.11) **Framework CEMP (EN010166/APP/6.5)**
TAE - 28	A fish rescue may be required under an FR2 permit granted by NRW during construction where de-watering or over-pumping is required. Where any pumping is required, Eel Regulations 2009 compliant screens would be used on any pump used for drain-down or over-pumping of watercourses	N/A	Construction																		Requirement 4: CEMP	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)** **Framework CEMP (EN010166/APP/6.5)** **Consents Agreements Position Statement (EN010166/APP/3.3)**
TAE - 29	Where there are likely to be direct impacts to watercourses or waterbodies	N/A	Construction																		Requirement 4: CEMP	**Chapter 11: Terrestrial and**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	it is advised that key migration periods are avoided wherever practicable e.g. April-June and September – November inclusively for eel																					**Aquatic Ecology (EN010166/APP/6.2.11)** **Framework CEMP (EN010166/APP/6.5)**
TAE - 30	Monitoring of species present during and post construction	Monitoring of species	Construction																		Requirement 10: LEMP	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)** **Outline LEMP (EN010166/APP/6.9)**
TAE - 31	Additional measures to minimise noise would be considered, if necessary, at detailed design stage once a contractor is appointed and a full list of plant is available. Such measures could include jackets on pneumatic drills, acoustic covers on compressors and shrouds on piling rigs and cranes.	N/A	Construction																		Requirement 4: CEMP	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)** **Framework CEMP**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		**(EN010166/APP/6.5)**
TAE - 32	Works would be scheduled to avoid or reduce noise and visual disturbance impacts, particularly on Special Protection Area (SPA) / Ramsar site bird species	N/A	Construction																		Requirement 4: CEMP	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)** **Framework CEMP (EN010166/APP/6.5)**
TAE - 33	Measures to deliver compliance with industry good practice and environmental protection legislation during both construction and operation (e.g. in relation to prevention of surface and groundwater pollution, fugitive dust management, noise prevention or amelioration) will be in accordance with National Policy Statement (NPS) EN-1.	N/A	Construction, Operation																		Requirement 4: CEMP Requirement 10: LEMP	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)** **Framework CEMP (EN010166/APP/6.5)** **Consents Agreements Position**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
																					Statement (EN010166/APP/3.3)
TAE - 34	A final version of the **Outline LEMP** (**EN010166/APP/6.9**) will be prepared and approved by FCC in advance of the construction/operation of the Proposed Development for habitat management and monitoring of retained and created habitats.	N/A	Construction, Operation																		Requirement 10: LEMP	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)** **Outline LEMP (EN010166/APP/6.9)**
TAE - 35	Monitoring of habitats, such as the Saltmarsh within the surface water outfall area, post-construction to feedback into the management of those areas within the Order limits. This will be detailed in the Saltmarsh Method statement.	Monitoring of habitats	Operation																		Requirement 4: CEMP Requirement 10: LEMP	**Chapter 11: Terrestrial and Aquatic Ecology (EN010166/APP/6.2.11)** **Outline LEMP (EN010166/APP/6.9)**
TAE – 36	Construction is to be undertaken following details of the offsetting measures for Curlew (Numenius arquata) associated with the Dee Estuary / Aber Dyfrdwy Special	N/A	Construction																		Requirement 11: Curlew Mitigation and Monitoring Plan	**Curlew Mitigation Strategy (EN010166/APP/6.13)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
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	Protection Area (SPA) / Ramsar site as per the **Curlew Mitigation Strategy** (**EN010166/APP/6.13**)																					**Report to Inform Habitats Regulations Assessment (EN010166/APP/6.12)** **Draft DCO (EN010166/APP/3.1)**
TAE – 37	A Curlew Mitigation and Monitoring Plan will be developed in general accordance with the **Curlew Mitigation Strategy** (**EN010166/APP/6.13**) and the enhancement measures must be in place prior to works commencing within the relevant areas of the Order limits.	Monitoring of habitats and species	Construction																		Requirement 11: Curlew Mitigation and Monitoring Plan	**Curlew Mitigation Strategy (EN010166/APP/6.13)** **Report to Inform Habitats Regulations Assessment (EN010166/APP/6.12)** **Draft DCO (EN010166/APP/3.1)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
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TAE – 38	The Proposed Development includes a specific Maintenance Laydown Area within the operational design which would be used to support the habitat management requirements. In addition, this area would be used during outages to ensure that there is no encroachment of laydown areas on to habitats created in accordance with the **Outline LEMP** (**EN010166/APP/6.9**)	N/A	Operation																		Requirement 13: Operational and maintenance environmental management plan (OMEMP) Requirement 10: LEMP	**Appendix 4-A: Operation and Maintenance Mitigation Register (EN010166/APP/6.4)** **Outline LEMP (EN010166/APP/6.9)**
TAE - 39	Upon the end of management arrangements detailed within the Conservation Areas Management Plan for the exiting Connah's Quay Power Station, an updated Conservation Areas Management Plan would be prepared and submitted to FCC and NRW for approval prior to the commencement of operation. This updated Conservation Areas Management Plan would be reviewed and updated at a frequency to be agreed with FCC and NRW and would remain in place until the point of the completion of the decommissioning of the CQLCP Abated Generating	N/A	Operation																		Requirement 13: Operational and maintenance environmental management plan (OMEMP)	**Appendix 4-A: Operation and Maintenance Mitigation Register (EN010166/APP/6.4)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	Station, unless otherwise agreed with FCC and NRW.																					
TAE – 40	Prior to the installation of the acoustic fencing, reptile and amphibian fencing should be implemented around the ecological safeguarding zone following displacement to prevent reptiles from being harmed by the works.	N/A	Construction																		Requirement 4: CEMP	**Framework CEMP (EN010166/APP/6.5)**
TAE-41	The ecological safeguarding zones within both the Main Development Area and the C&IEA should be managed accordingly to maintain and/or enhance suitability for reptiles. This may include implementing sufficient habitat management to these areas to prevent them from evolving into dense scrub habitat and introducing new refugia into these areas such as log piles.	N/A	Construction																		Requirement 4: CEMP	**Framework CEMP (EN010166/APP/6.5)**
Marine Ecology (ME) - 1	As part of the drainage design, appropriate pollution measures will be implemented and in place within the drainage network in the form of full retention fuel interceptors, shut-off valves and fire suppression / contaminated water tanks.	N/A	Detailed Design																		Requirement 3: Detailed design	**Chapter 12: Marine Ecology (EN010166/APP/6.2.12)** **Design Principles**

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ME - 2	A **Biosecurity Risk Assessment (Appendix 12-E: Marine Biosecurity Risk Assessment (EN010166/APP/6.4))** and the Marine Invasive Non-Native Species Outline Management Plan (**Appendix 12-F: Marine Invasive Non-Native Species Outline Management Plan** (**EN010166/APP/6.4**)) have been prepared to prevent the introduction and / or spread of marine INNS.	N/A	Construction, Operation, Decommissioning																		Requirement 4: CEMP Requirement 13: OMEMP Requirement 17: DEMP	**Appendix 12-E: Marine Biosecurity Risk Assessment (EN010166/APP/6.4)** **Framework CEMP (EN010166/APP/6.5)** **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)**
ME - 3	A Pollution Prevention Plan, including an emergency spill plan which will be implemented during all stages of the Proposed Development.	N/A	Construction, Operation, Decommissioning																		Requirement 4: CEMP	**Chapter 12: Marine Ecology (EN010166/APP/6.2.12)**

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				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
																					Requirement 13: OMEMP Requirement 17: DEMP	**Framework CEMP (EN010166/APP/6.5)** **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)**
ME - 4	Suitable pumps, settlement tanks, and filters to filter all water being pumped / discharged from excavations into existing drains will be provided. Runoff from open excavations will not enter surrounding drainage system without being treated.	N/A	Construction																		Requirement 4: CEMP Requirement 7: Construction Surface and Foul Water Drainage	**Chapter 12: Marine Ecology (EN010166/APP/6.2.12)** **Framework CEMP (EN010166/APP/6.5)**
ME - 5	All discharged water (rainwater and groundwater) from pumping will be treated and tested before re-infiltration. Such water will be disposed of as construction site run-off having first	N/A	Construction																		Requirement 4: CEMP Requirement 7: Construction Surface and	**Chapter 12: Marine Ecology (EN010166/APP/6.2.12)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment	
	passed through a settlement tank or filtration system where appropriate																			Foul Water Drainage	**Framework CEMP (EN010166/APP/6.5)**
ME - 6	All vessels used during the Proposed Development will be required to adhere to the International Convention for the Control and Management of Ships' Ballast Water and Sediments with the aim of preventing the spread of marine INNS and the International Maritime Organization (IMO) Guidelines for the control and management of ships' biofouling to minimise the transfer of invasive aquatic species (Biofouling Guidelines).	N/A	Construction																	Requirement 4: CEMP	**Chapter 12: Marine Ecology (EN010166/APP/6.2.12)** **Framework CEMP (EN010166/APP/6.5)**
ME - 7	The following construction best practice measures are relevant to this assessment and are to be adopted by the Proposed Development: • International Regulations for Preventing Collisions at Sea; • International Convention for the Prevention of Pollution from Ships (MARPOL Convention 73/78); • IMO Guidelines for the control and management of ships' biofouling to minimise the transfer of invasive	N/A	Construction																	Requirement 4: CEMP	**Chapter 12: Marine Ecology (EN010166/APP/6.2.12)** **Framework CEMP (EN010166/APP/6.5)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	aquatic species (Biofouling Guidelines); and • International Convention for the Control and Management of Ships' Ballast Water and Sediments with the aim of preventing the spread of marine INNS.																				
ME – 8	Works during the construction phase should be carried out during daylight hours to avoid the need to use ALAN. Where this isn't possible then lights should be directed away from watercourses and bodies so that fish migration, spawning and feeding is not disrupted. Where only daylight working is not feasible, or ALAN cannot be directed entirely away from waterbodies it is advised that key migration periods are avoided.	N/A	Construction																		**Chapter 12: Marine Ecology (EN010166/APP/6.2.12)** **Framework CEMP (EN010166/APP/6.5)**
Water Environment and Flood Risk (WEFR) – 1	Temporary drainage systems would be designed to provide suitable protection measures for watercourses.	N/A	Construction																	Requirement 4: CEMP	**Framework CEMP (EN010166/APP/6.5)**
WEFR – 2	The permitted abstraction and discharge parameters in relation to cooling water	N/A	Operation																	Requirement 13: OMEMP	**Chapter 13: Water**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	would be maintained. abstraction would be intermittent and limited to no more than three hours abstraction per tide around high water (one hour before and two hours after).																					**Environment and Flood Risk (EN010166/APP/6.2.13)** **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)**
WEFR – 3	Purge discharge would be consistent with the existing Connah's Quay Power Station's Environmental Permit, with no more than three hours commencing on the ebb tide one hour after high water.	N/A	Operation																		Requirement 13: OMEMP Environmental Permitting (England and Wales) Regulations 2016	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)** **Appendix 4-1: Operational / Maintenance**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		**Mitigation Register (EN010166/APP/6.4)**
WEFR – 4	Standard construction practices will be included in the CEMP to minimise potential impacts on the water environment, including principles for managing pollution risk, relevant good practice guidance, and secondary consent requirements. The CEMP will also include control and mitigation measures for accidental spillages, management of flood risk.	N/A	Construction																		Requirement 4: CEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)**
WEFR – 5	A Water Management Plan (WMP) will be annexed to the Final CEMP which will outline the mitigation measures necessary to avoid, prevent and reduce adverse effects where possible upon the local surface water (and groundwater) environment during construction. The WMP will include an outline of responsibilities with regard to water management, required water quality monitoring, pollution prevention measures, training requirements for construction workers with regard to the water environment, an outline of likely	N/A	Construction																		Requirement 4: CEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	relevant permissions and consents required, and a Pollution Incident and Response Plan.																					
WEFR – 6	Where possible, earthworks would be undertaken during the drier months of the year and periods of wet weather avoided to manage fine sediment in surface water runoff. When earthworks during wet weather cannot be avoided a Drainage Management Strategy would include measures to control the movement of construction run off.	N/A	Construction																		Requirement 4: CEMP Requirement 7: Construction Surface and Foul Water Drainage	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)**
WEFR – 7	Implementation of a Pollution Prevention and Emergency Incident Response Plan to manage construction chemical spillage risk.	N/A	Construction																		Requirement 4: CEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Chapter 22: Major Accidents and Disasters (EN010166/APP/6.2.22)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
																						Framework CEMP (EN010166/APP/6.5)
WEFR – 8	A Flood Risk Management Plan will be produced to detail the response to an impending flood event.	Monitoring of weather forecasts and NRW Flood warnings	Construction																		Requirement 4: CEMP Requirement 8: Flood risk mitigation	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)**
WEFR – 9	Construction materials to be stored outside of the 1 in 200 year (0.5% AEP) extent for areas at tidal flood risk and outside of the 1 in 100 year (1% AEP) extent for areas at fluvial flood risk. If areas located within Flood Zone 3 are to be utilised for the storage of construction materials, this will be done in accordance with the applicable flood risk activity regulations, if required. Welfare facilities and staff car park will be located outside of the modelled tidal 1 in 200 year (0.5% AEP) extent plus 2074 climate change extent, see FCA	N/A	Construction																		Requirement 4: CEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
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	(**Appendix 13-C: Flood Consequences Assessment (EN010166/APP/6.4)**); connectivity would be maintained between the floodplain and the adjacent watercourses; During the construction phase, the Contractor will monitor the weather forecasts daily, and review the weekly and monthly weather forecasts each week, and plan works accordingly. For example, works in the channel of any watercourses will be avoided or halted were there to be a significant risk of high flows or flooding. The construction laydown area site office and supervisor will be notified of any potential flood occurring by use of the Floodline Warning Service or equivalent service.																					
WEFR – 10	A water quality monitoring programme will be undertaken during construction. If pollution is identified, appropriate action will be taken in line with the Pollution Prevention Plan.	Water quality monitoring programme to be	Construction																		Requirement 4: CEMP	**Chapter 13: Water Environment and Flood Risk**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
		agreed with NRW																				**(EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)**
WEFR – 11	Monitoring of groundwater levels during and after construction	Monitoring of groundwater levels during and after construction	Construction, operation																		Requirement 4: CEMP Requirement 13: OMEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)** **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)**
WEFR – 12	Where dewatering is required, a dewatering scheme will be developed	N/A	Operation																		Requirement 4: CEMP	**Chapter 13: Water**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	prior to construction to demonstrate that there is an effective strategy to manage water arising from the operations and, where required, sufficient proposals to treat the water prior to controlled discharge. The Dewatering Scheme will demonstrate that there is an effective strategy in which to manage water rising from construction. Sufficient proposals to treat the water may be required prior to controlled discharge.																					**Environment and Flood Risk (EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)**
WEFR – 13	A groundwater abstraction licence may be required for construction activities (i.e. dewatering) depending on the abstraction volume (>20m^3/d) and duration of abstraction. The proposed discharge of any water pumped out of excavations may be subject to a separate consent under the Environmental Permitting (England and Wales) Regulations 2016. An approved environmental permit would be required for all pumping operations (before dewatering or discharges commence) if not exempt under the Water Abstraction and Impounding (Exemptions) Regulations 2017. Water would never be pumped directly to a watercourse or	N/A	Construction																		Requirement 4: CEMP Environmental Permitting (England and Wales) Regulations 2016	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)** **Consents Agreements Position Statement**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	be allowed to directly enter a watercourse.																					**(EN010166/APP/3.3)**
WEFR – 14	The piling design would include method statements that are informed by the Foundation Works Risk Assessment (FWRA). These method statements would outline specific measures for pollution prevention, which would include techniques for avoiding the creation of flow paths between groundwater and/or contaminated soils. The FWRA would be sent to the local planning authority following consultation with NRW.		Construction																		Requirement 4: CEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)**
WEFR – 15	A Site Waste Management Plan would be developed, in accordance with the **Framework Site Waste Management Plan** (**EN010166/APP/6.5**), to manage and outline measures to control earthworks given the risk of historical contamination.	Pre-construction condition surveys	Pre-Construction																		Requirement 4: CEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)**
WEFR – 16	The works within the marine environment would be subject to a Marine Licence.	N/A	Construction																		Marine Licence	**Chapter 13: Water Environment**

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				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		**and Flood Risk (EN010166/APP/ 6.2.13)** **Consents Agreements Position Statement (EN010166/APP/ 3.3)**
WEFR – 17	A Flood Risk Activity Permit (FRAP) would be required for any permanent or temporary works in, over, under or within 16 m of a tidal main river, or within 16 m of any flood defence structure on that river, or within a flood plain.	N/A	Construction																		Flood Risk Activity Permit	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/ 6.2.13)** **Consents Agreements Position Statement (EN010166/APP/ 3.3)**
WEFR – 18	Topsoil will be removed and stored separately to the subsoil. There would be no storage of materials within 20 m of any open watercourse or within any NRW Flood Mapping for Planning	N/A	Construction																		Requirement 4: CEMP	**Chapter 13: Water Environment and Flood Risk**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	mapped surface water or fluvial floodplain.								■							■						**(EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)**
WEFR – 19	A Pre-Works Surface Water Feature Survey to investigate the location of existing ditches. If drains are identified that need to be crossed embedded mitigation measures would be implemented.	Pre-Works Surface Water Feature Survey	Construction						■												Requirement 4: CEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)**
WEFR – 20	For works to new/existing outfalls/intakes that must be undertaken close to or in a water feature, and where watercourses are culverted through the site all water features would be protected by a buffer zone. No works would be permitted in the buffer zone and no vegetation cleared. The exceptions are where construction work is required within a watercourse	N/A	Construction						■												Requirement 4: CEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Framework CEMP**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	channel. This would include works to the new/existing outfalls on Old Rockcliffe Brook and the abstraction intake infrastructure at the River Dee, works to the culverts beneath the CQLCP Abated Generating Station and potentially any crossings of field diches/drains to convey pipelines or for access For any field ditches (assumed less than approximately 5 m wide from bank top to bank top) the buffer zone would be 10 m from the centre line of the watercourse . For ponds and lakes, the buffer applies from the edge of the water at typical levels.																					**(EN010166/APP/6.5)**
WEFR – 21	Allt-Goch Tributary is located along the western boundary of the Proposed CO_2 Corridor. A buffer of at least 10 m from this watercourse would be maintained, with no storage of materials within the mapped floodplain.	N/A	Construction																		Requirement 4: CEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
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WEFR – 22	Along the pipeline route within the Proposed CO_2 Connection Corridor, the ground would be reinstated with stored topsoil and subsoil following trenching, within the same year as construction (where practicable) should weather conditions allow. Restoration activities would include reseeding of pastureland and reinstatement of field boundaries.	N/A	Construction																		Requirement 4: CEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)**
WEFR – 23	All relevant permits and consents would be sought from NRW, Sustainable Drainage System (SuDS) Approval Body (SAB) and the Lead Local Flood Authority (LLFA), where necessary, as detailed in the **Consents Agreements Position Statement** (**EN010166/APP/3.3**) document.	N/A	Construction																		Requirement 4: CEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Consents Agreements Position Statement (EN010166/APP/3.3)**
WEFR – 24	Any works associated with the proposed surface water outfall would incorporate good practice construction guidance. Furthermore, the location, position and	N/A	Construction																		Requirement 4: CEMP	**Chapter 13: Water Environment and Flood Risk**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
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	orientation of a new drainage outfall would be carefully determined and informed by a hydromorphological survey to minimise any adverse local impacts on river processes. Appropriate micro-siting of the outfall would minimise loss of bank habitat, the need for bed scour or hard bank protection and minimise localised flow disturbance or disruption to sediment transport processes. Prefabricated headwalls would be used for all outfalls where possible to avoid the need for potentially polluting activities adjacent to watercourses (e.g. pouring wet concrete close to the watercourse).																					**(EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)**
WEFR – 25	Where diversions are required to culverted watercourses, flow would be maintained by damming and over pumping to create a dry working area. Works should therefore be carried out in the drier months of the year where possible. Once the watercourse is reinstated, silt fences, geotextile matting, or straw bales should be used initially to capture mobilised sediments until the watercourse has returned to a settled state and thereby reduce risks of downstream water quality impacts.	N/A	Construction																		Requirement 4: CEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
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WEFR – 26	Where a culverted watercourse has been diverted and reinstated, silt fences, geotextile matting, or straw bales will be used initially to capture mobilised sediments until the watercourse has returned to a settled state.	Water quality monitoring would be undertaken prior to, during and following construction activity	Construction																		Requirement 4: CEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)**
WEFR – 27	Any diverted culverts would be designed appropriately to maintain connectivity along watercourses for aquatic species. All culverts to convey watercourses would be set 150 mm below bed level to allow sedimentation and a naturalised bed to form.	N/A	Construction																		Requirement 4: CEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)**
WEFR – 28	Temporary drainage systems will be designed to provide suitable protection measures for watercourses including a suitable stand-off distance. New areas of hardstanding associated with all the compounds will require regular		Construction																		Requirement 4: CEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)**

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	inspections of the drainage system associated with the new facilities (as well as before and after storm events) so that site runoff is adequately managed.																					**Framework CEMP (EN010166/APP/6.5)**
WEFR – 28	The storage of hazardous or potentially polluting materials would be in a separate secure, and where appropriate bunded, area. Material data sheets would be available for all these materials and the Control of Substances Hazardous to Health (COSHH) assessments kept within the relevant risk assessment for the task.	N/A	Construction																		Requirement 4: CEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)**
WEFR – 29	In the event that contamination is identified within the Main Development Area, monitoring of any discharge to the River Dee or other surface water receptors should be carried out on a regular basis so that no contamination enters the estuary.	Targeted monitoring at relevant receptors	Construction																		Requirement 4: CEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)**

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WEFR – 30	The cooling water discharge will be consistent with the operation of the existing Connah's Quay Power Station in terms of temperature and water quality, and would comply with the existing environmental permit limits.	N/A	Operation																		Requirement 13: OMEMP Environmental Permitting (England and Wales) Regulations 2016	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)**
WEFR – 31	Wastewater will be collected for transfer off-site or treated to meet environmental quality standards for ammonia and other substances in an on-site wastewater treatment plant, prior to discharge to the River Dee.	N/A	Operation																		Requirement 13: OMEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
WEFR – 32	Sewage will be treated at a new system on site, with treated black and grey water either discharged to the River Dee with main cooling water purge discharge or to be removed by specialist contractor.	N/A	Operation																		Requirement 13: OMEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)**
WEFR – 33	Where any substance could pose a risk to the environment through an uncontrolled release (e.g. surface water drains), the substance would be stored within appropriate containment facilities including impermeable concrete surfaces, isolated drainage areas and appropriately designed and sized bunds.	N/A	Operation																		. Requirement 6: Surface water drainage Requirement 13: OMEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		**Appendix 13-D: Outline Surface Water Drainage Strategy (EN010166/APP/6.4)**
WEFR – 34	Chemical storage would be regulated by NRW through an Environmental Permit. Where storage of hazardous materials, individually or in-combination, exceeds the relevant thresholds, separate permissions would be sought from the Health and Safety Executive (HSE) and the local planning authority as appropriate for their storage	N/A	Operation																		Requirement 13: OMEMP Environmental Permitting (England and Wales) Regulations 2016	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Consents Agreements Position Statement (EN010166/APP/3.3)** **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
WEFR – 35	A site Emergency Response Plan would be in place for dealing with emergency situations involving loss of containment of hazardous substances.	N/A	Operation																		Requirement 13: OMEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)**
WEFR – 36	A Surface Water Management and Maintenance Plan (SWMMP) would be prepared to set out the requirements for access and frequency for maintaining drainage infrastructure within the Main Development Area. The maintenance regime will be fully implemented throughout the lifetime of the Proposed Development.	N/A	Operation																		Requirement 6: Surface water drainage Requirement 13: OMEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Appendix 4-1: Operational / Maintenance Mitigation Register**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
																						(EN010166/APP/6.4) **Appendix 13-D: Outline Surface Water Drainage Strategy (EN010166/APP/6.4)**
WEFR – 37	A Flood Emergency Response Plan will be developed to ensure the safety of the Main Development Area is maintained in the event of a flood.	N/A	Operation																		Requirement 13: OMEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)**
WEFR – 38	A Water Quality Risk Assessment for discharges to the River Dee will be undertaken if this option is taken forward, once details of effluent quality are available.	N/A	Operation																		Requirement 13: OMEMP	**Chapter 13: Water Environment and Flood Risk**

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																						(EN010166/APP/6.2.13) **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)**
WEFR - 39	Water level data should be obtained to check the hydraulic model against real time data and make sure it is calibrated sufficiently.	Water level data (15mins data) should be obtained for a minimum of 35 days at consistent set locations to be agreed with NRW.	Construction																		Requirement 4: CEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Appendix 13-F: Hydraulic Modelling Report (EN010166/APP/6.4)** **Framework CEMP (EN010166/APP/6.5)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
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WEFR – 40	Detailed modelling will be undertaken by the FEED contractors to assess the viability of splitting the surface water discharge across the existing piped surface water systems. If it is deemed viable by the Applicant and FCC, it will be the preferred drainage solution as it will avoid the loss of qualifying habitat features of the SAC/saltmarsh. The results of this modelling must be provided as part of the surface water drainage strategy for the relevant stage of the authorised development in justifying the final selected strategy.	N/A	Operation																		Requirement 6: Surface water drainage	**Appendix 13-D: Outline Surface Water Drainage Strategy (EN010166/APP/6.4)**
Geology and Ground Conditions (GaGC) – 1	Secondary containment of operational materials, including chemicals, fuels and oils, appropriate to the level of risk would be included in the detailed design.	N/A	Detailed Design																		Requirement 3: Detailed Design	**Chapter 14: Geology and Ground Conditions (EN010166/APP/6.2.14)** **Design Principles Document (EN010166/APP/7.8)**
GaGC – 2	The design of the Proposed Development includes measures that would contain and control any releases	N/A	Detailed Design																		Requirement 3: Detailed	**Chapter 14: Geology and Ground**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	of contaminants to ground and surface and foul drainage network.																				Design	**Conditions (EN010166/APP/6.2.14)** **Design Principles Document (EN010166/APP/7.8)**
GaGC – 3	Ground investigations (geo-environmental and geotechnical) would be undertaken before construction to inform the development of detailed design.	Ground gas monitoring would be undertaken.	Pre-construction																		Requirement 4: CEMP	**Chapter 14: Geology and Ground Conditions (EN010166/APP/6.2.14)** **Framework CEMP (EN010166/APP/6.5)**
GaGC - 4	A detailed hydrogeological assessment would be undertaken where excavations or dewatering is required in high sensitivity groundwater environments.	Includes further ground monitoring.	Pre-Construction, Construction																		Requirement 4: CEMP	**Chapter 14: Geology and Ground Conditions (EN010166/APP/6.2.14)** **Framework CEMP**

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																						(EN010166/APP/6.5)
GaGC - 5	A strategic plan for protection of mineral resources would be developed in advance of construction works, which would be discussed with the landowner, the relevant mineral planning departments at FCC, and any other relevant parties to assist in achieving an effective management of minerals within the affected areas of the Mineral Safeguarding Area (MSA).	N/A	Pre-Construction																		Requirement 4: CEMP	**Chapter 14: Geology and Ground Conditions (EN010166/APP/6.2.14)** **Framework CEMP (EN010166/APP/6.5)**
GaGC - 6	Standard construction practices would be included in the **Framework CEMP** (**EN010166/APP/6.5**) to minimise impacts on geology and land quality. In order to manage and monitor waste, including any spoil generated on-site, a **Framework SWMP** has been developed and forms Appendix A of the **Framework CEMP** (**EN010166/APP/6.5**).	N/A	Construction																		Requirement 4: CEMP	**Chapter 14: Geology and Ground Conditions (EN010166/APP/6.2.14)** **Framework CEMP (EN010166/APP/6.5)**
GaGC - 7	Any works that may affect or enter Mining Remediation Authority assets would require Mining Remediation Authority permits and associated	N/A	Construction																		Requirement 4: CEMP	**Chapter 14: Geology and Ground Conditions**

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	mitigation. A Coal Mining Risk Assessment (CMRA) will be undertaken where not covered by previous investigations of the site, which will be based on the Mining Remediation Authority Consultant's Mining Report and available records / mine plans. The CMRA will determine the location and depth of underground workings (if present) and the presence of mine shafts / adits.																					**(EN010166/APP/6.2.14)** **Framework CEMP (EN010166/APP/6.5)** **Consents Agreements Position Statement (EN010166/APP/3.3)**
GaGC - 8	A Pollution Prevention and Emergency Response Plan would be in place prior to the commencement of construction / decommissioning works.	N/A	Construction / Decommissioning																		Requirement 4: CEMP Requirement 17: DEMP	**Chapter 14: Geology and Ground Conditions (EN010166/APP/6.2.14)** **Framework CEMP (EN010166/APP/6.5)**
GaGC - 9	All bulk fuel and COSHH items would be stored in accordance with the relevant Guidance for Pollution Prevention (GPP)	N/A	Construction																		Requirement 4: CEMP	**Chapter 14: Geology and Ground**

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	or where GPP are yet to be published, Pollution Prevention Guidance (PPG) notes (withdrawn but widely considered good practice) and storage regulations. Tanks and dispensing pumps will be locked when not in use to prevent unauthorised access.																					**Conditions (EN010166/APP/6.2.14)** **Framework CEMP (EN010166/APP/6.5)**
GaGC - 10	Any hazardous materials would be stored in designated locations with specific measures to prevent leakage and the release of their contents. This would include a requirement for storage areas to be set back an appropriate distance from surface water features / drains to prevent any uncontrolled discharge (and take into consideration the positions of any groundwater abstraction wells), on an impermeable base with an impermeable bund that has no outflow and is of adequate capacity to contain at least 110% of the contents. Valves and trigger guns would be protected from vandalism and kept locked when not in use.	N/A	Construction																		Requirement 4: CEMP	**Chapter 14: Geology and Ground Conditions (EN010166/APP/6.2.14)** **Framework CEMP (EN010166/APP/6.5)**
GaGC - 11	Only well-maintained plant would be used during construction to minimise the potential for accidental pollution from leaking machinery or damaged	N/A	Construction																		Requirement 4: CEMP	**Chapter 14: Geology and Ground Conditions**

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	equipment. Static machinery and plant are expected to be stored in hardstanding areas when not in use and, where necessary, to make use of drip trays beneath oil tanks / engines / gearboxes / hydraulics. Spill response kits containing equipment that is appropriate to the types and quantities of materials being used and stored during construction would be maintained within the Order limits for the duration of the works.																					**(EN010166/APP/6.2.14)** **Framework CEMP (EN010166/APP/6.5)**
GaGC – 12	A Drainage Management Strategy will be developed and provided in the final CEMP(s).	N/A	Construction																		Requirement 4: CEMP	**Chapter 14: Geology and Ground Conditions (EN010166/APP/6.2.14)** **Framework CEMP (EN010166/APP/6.5)**
GaGC - 12	Potential impacts of contamination on construction workers during site preparation, construction would be controlled and mitigated through in line with CIRIA C811.	N/A	Construction																		Requirement 4: CEMP	**Chapter 14: Geology and Ground Conditions (EN010166/APP/6.2.14)**

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																						Framework CEMP (EN010166/APP/6.5)
GaGC - 13	If unexpected soil or groundwater contamination is encountered, the affected works would stop to enable appropriate people to be notified, and further characterisation and risk assessment to be undertaken before remediation or mitigation proposals are agreed with all stakeholders.	N/A	Construction																		Requirement 4: CEMP	**Chapter 14: Geology and Ground Conditions (EN010166/APP/6.2.14)** **Framework CEMP (EN010166/APP/6.5)**
GaGC - 14	In the event that unacceptable risks in relation to contamination are identified, or encountered during construction, and routing through these areas is unavoidable, specific mitigation measures may be required in the form of treating / remediating contamination.	Potential requirement for further ground investigation .	Construction																		Requirement 4: CEMP	**Chapter 14: Geology and Ground Conditions (EN010166/APP/6.2.14)** **Framework CEMP (EN010166/APP/6.5)**

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GaGC - 15	Any Made Ground found to be contaminated with asbestos would require suitable management if it is to be retained on-site or removed, in line with the CL:AIRE, CAR-SOIL 2012.	N/A	Construction																		Requirement 4: CEMP	**Chapter 14: Geology and Ground Conditions (EN010166/APP/6.2.14)** **Framework CEMP (EN010166/APP/6.5)**
GaGC - 16	Reuse of excavated materials during construction would be governed by either a Materials Management Plan (MMP) developed in accordance with the CL:AIRE Definition of Waste: Development Industry Code of Practice (DoW CoP), an environmental permit or a relevant exemption.	N/A	Construction																		Requirement 4: CEMP	**Chapter 14: Geology and Ground Conditions (EN010166/APP/6.2.14)** **Framework CEMP (EN010166/APP/6.5)**
GaGC - 17	Where there is a requirement to dispose of surplus excavated materials off-site as waste, the material will be characterised to determine firstly whether it is Hazardous or Non-Hazardous waste in accordance with the	N/A	Construction																		Requirement 4: CEMP	**Chapter 14: Geology and Ground Conditions (EN010166/APP/6.2.14)**

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				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	Technical Guidance WM3 and then once this is established, the appropriate disposal facility would be determined and Waste Acceptance Criteria (WAC) analysis undertaken, if required.																					**Framework CEMP (EN010166/APP/6.5)**
GaGC – 18	Operational materials, including chemicals, fuels and oils (acetylene, lubricating oils, distillate fuels, or other fuels), would be stored at the Proposed Development. In common with other modern infrastructure development, secondary containment appropriate to the level of risk would be included in the detailed design		Operation																		Requirement 13: OMEMP	**Chapter 14: Geology and Ground Conditions (EN010166/APP/6.2.14)** **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)**
GaGC - 19	Good housekeeping and management practices (such as operating an accredited Environmental Management System (EMS), which would detail procedures for chemical storage, spill response, pollution incident response etc.) would be adopted and adhered to through the operational lifetime to	N/A	Operation																		Requirement 13: OMEMP	**Chapter 14: Geology and Ground Conditions (EN010166/APP/6.2.14)** **Appendix 4-1: Operational /**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	minimise impacts to soil and groundwater																					**Maintenance Mitigation Register (EN010166/APP/6.4)**
GaGC - 20	To minimise the effects on soil resources during any earthworks, including materials management following foundation construction and excavation for the Proposed Development, high standards of soil handling and management would be employed with a view to minimising where possible the double handling of soils and the extent to which exposed soils would be left vulnerable to erosional processes. Guidelines are published in documents such as DEFRA's Construction Code of Practice for the Sustainable Use of Soils on Construction Sites (2009) (Ref 7) and Good Practice Guide for Handling Soils in Mineral Workings (Ref 8)	N/A	Construction																		Requirement 4: CEMP	**Chapter 14: Geology and Ground Conditions (EN010166/APP/6.2.14)** **Framework CEMP (EN010166/APP/6.5)**
Landscape and Visual (LaV) - 1	The layout of the Proposed Development will follow a broadly linear configuration, with the massing of the main built elements 'centralised' and sited in proximity to the existing Connah's Quay Power Station.	N/A	Detailed Design																		Requirement 3: Detailed design	**Chapter 15: Landscape Visual (EN010166/APP/6.2.15)** **Design Principles**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		**Document (EN010166/APP/7.8)**
LaV - 2	The designs of the absorber column(s) (stack) and the CCGT and HRSG stack(s), would include consideration of appearance to reduce visual impact. This would include a colour study of the existing colour/ materials of the surrounding natural landscape palette and the existing power station building, including using lighter coloured materials on the taller structures to enable them to recede against the sky.	N/A	Detailed Design																		Requirement 3: Detailed design	**Chapter 15: Landscape Visual (EN010166/APP/6.2.15)** **Design Principles Document (EN010166/APP/7.8)**
LaV - 3	The development would be designed to reduce unnecessary light spill beyond the Main Development Area boundary.	N/A	Detailed Design																		Requirement 3: Detailed design	**Chapter 15: Landscape Visual (EN010166/APP/6.2.15)** **Lighting Strategy (EN010166/APP/7.22)**
LaV - 4	Suitable materials will be used, where reasonably practicable, in the construction of structures to reduce	N/A	Procurement																		Requirement 3: Detailed design	**Chapter 15: Landscape Visual**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	reflections and to assist with breaking up the massing of the buildings and structures.																					**(EN010166/APP/6.2.15) Design Principles Document (EN010166/APP/7.8)**
LaV - 5	The **Outline LEMP** (**EN010166/APP/6.9**) outlines measures put in place for the reinstatement and management of land that has been used for construction.	N/A	Post-Construction																		Requirement 10: LEMP	**Chapter 15: Landscape Visual (EN010166/APP/6.2.15)** **Outline LEMP (EN010166/APP/6.9)**
Physical Processes (PP) - 1	Works within the Water Connection Corridor would be limited to the replacement of the existing intake screens rather than complete refurbishment of the related infrastructure	N/A	Construction																		Requirement 4: CEMP	**Chapter 16: Physical Processes (EN010166/APP/6.2.16)** **Framework CEMP (EN010166/APP/6.5)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
PP - 2	Construction phase impacts would be mitigated through the implementation of standard construction techniques and mitigation measures detailed in the **Framework CEMP (EN010166/APP/6.5**).	N/A	Construction																		Requirement 4: CEMP	**Chapter 16: Physical Processes (EN010166/APP/6.2.16)** **Framework CEMP (EN010166/APP/6.5)**
PP - 3	Replacement of the existing intake screens rather than complete refurbishment of the related infrastructure would be undertaken (as confirmed through the works description in Schedule 1 of the **Draft DCO (EN010166/APP/3.1)).**	N/A	Construction																		Schedule 1: Authorised Development	**Chapter 16: Physical Processes (EN010166/APP/6.2.16)** **Framework CEMP (EN010166/APP/6.5)** **Draft DCO (EN010166/APP/3.1)).**
Terrestrial Heritage (TH) - 1	A proportionate programme of archaeological investigation, recording and reporting is to be undertaken, in advance of construction, in accordance	N/A	Pre-Construction																		Requirement 10: Archaeology	**Chapter 17: Terrestrial Heritage**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	with the scope and methodology set out in the **Overarching WSI for Terrestrial and Marine Heritage Mitigation (EN010166/APP/6.8)** which has been agreed with CPAT (Heneb) and the RCAHMW.																					**(EN010166/APP/6.2.17)** **Overarching Written Scheme of Investigation for Terrestrial and Marine Heritage Mitigation (EN010166/APP/6.8)** **Draft DCO (EN010166/APP/3.1).**
Marine Heritage (MH) – 1	The **Framework CEMP (EN010166/APP/6.5)** will be implemented to ensure good site practice and management to minimise impacts on marine heritage.	N/A	Construction																		Requirement 4: CEMP	**Chapter 18: Marine Heritage (EN010166/APP/6.2.18)** **Framework CEMP (EN010166/APP/6.5)**
MH - 2	An **Overarching Written Scheme of Investigation for Terrestrial and Marine Heritage Mitigation (EN010166/APP/7.1)** has been	Watching brief during excavation works at	Construction																		Requirement 9: Archaeology	**Chapter 18: Marine Heritage (EN010166/APP/6.2.18)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	prepared which include a watching brief during excavation works at the Surface Water Outfall Area and a walkover to assess erosion once the outfall is operational, and a protocol for unexpected archaeological discoveries (PAD) to be implemented during construction works when an archaeologist is not present.	Surface Water Outfall Area.																				**Overarching Written Scheme of Investigation for Terrestrial and Marine Heritage Mitigation (EN010166/APP/6.8).**
Socio-economics, Recreation and Tourism (SERT) - 1	Specific mitigation measures are to be followed to control and reduce impacts on the environment during the construction phase associated with earthworks and soil management, noise and vibration, dust generation, and waste generation as detailed in the **Framework CEMP** (**EN010166/APP/6.5**).	N/A	Construction																		Requirement 4: CEMP	**Chapter 19: Socio-economics, Recreation and Tourism (EN010166/APP/6.2.19)** **Framework CEMP (EN010166/APP/6.5)**
SERT - 2	Mitigation measures detailed in the **Framework CTMP**	N/A	Construction																		Requirement 5:	**Chapter 19: Socio-**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	(**EN010166/APP/6.6**) relating to parking and access requirements, and proposals for management of any affected PRoW.																				Construction Traffic	**economics, Recreation and Tourism (EN010166/APP/6.2.19)** **Framework CTMP (EN010166/APP/6.6)**
SERT - 3	All construction works would adhere to the Construction (Design and Management) Regulations 2015 (CDM Regulations 2015).	N/A	Construction																		CDM Regulations 2015	**Chapter 19: Socio-economics, Recreation and Tourism (EN010166/APP/6.2.19)** **Other Consents and Agreement Position Statement (EN010166/APP/3.3)**
Climate Change (CC) - 1	The design of the Proposed Development will be based on BRefs for CCGT plants and UK Guidance on Emerging Techniques for Post-Combustion Carbon Capture, including energy efficiency requirements (Ref 7).	N/A	Detailed Design																		Requirement 3: Detailed design	**Chapter 20: Climate Change (EN010166/APP/6.2.20)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	The Environmental Permit application will include a report setting out how the Proposed Development would meet these BAT requirements.																				Environmental Permitting (England and Wales) Regulations 2016	**Consents Agreements Position Statement (EN010166/APP/3.3)** **Design Principles Document (EN010166/APP/7.8)**
CC - 2	Controls will be incorporated within the engineering design of buildings and structures and the appropriate engineering standards used so operations are unlikely to be interrupted by anticipated extreme heat levels. Controls should include cooling provisions for both the plant and the gas turbine, comprising a hybrid cooling system, in addition to a CO_2 cooling and compression plant, and an exhaust gas cooling and conditioning plant.	N/A	Detailed Design																		Requirement 3: Detailed design	**Chapter 20: Climate Change (EN010166/APP/6.2.20)** **Design Principles Document (EN010166/APP/7.8)**
CC - 3	Snow loading and freezing liquids will be accounted for within the engineering design of buildings and structures and the appropriate engineering standards used so operations are unlikely to be	N/A	Detailed Design																		Requirement 3: Detailed design	**Chapter 20: Climate Change (EN010166/APP/6.2.20)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	interrupted by anticipated extreme cold temperatures.																					**Design Principles Document (EN010166/APP/7.8)**
CC - 4	The SuDS Manual Simple Index Approach (CIRIA C753) (Ref 10) will be used to inform the design of the surface water drainage system so that it provides adequate treatment of run-off.	N/A	Detailed Design																		Requirement 3: Detailed design	**Chapter 20: Climate Change (EN010166/APP/6.2.20)** **Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Design Principles Document (EN010166/APP/7.8)** **Consents Agreements Position Statement**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
																						(EN010166/APP/3.3)
CC - 5	Current wind loadings will be incorporated within the engineering design of buildings and structures and the appropriate engineering standards used.	N/A	Detailed Design																		Legislative requirement	**Chapter 20: Climate Change (EN010166/APP/6.2.20)** **Consents Agreements Position Statement (EN010166/APP/3.3)**
CC - 6	The provision of lighting protection systems on buildings and structures, such as lightning protections (rods) built into structures, who are also earthed, will be incorporated by the design of the Proposed Development.	N/A	Detailed Design																		Requirement 3: Detailed design	**Chapter 20: Climate Change (EN010166/APP/6.2.20)** **Design Principles Document (EN010166/APP/7.8)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
CC - 7	The measures included in the GHG Reduction Strategy, as detailed in **Appendix 20-E: Greenhouse Gas Reduction Strategy** (**EN010166/APP/6.4**), which set out how the GHG emissions associated with the Proposed Development should be managed and reduced will be followed.	N/A	Construction, Operation, Decommissioning																		Requirement 16: Greenhouse gas reduction strategy	**Chapter 20: Climate Change (EN010166/APP/6.2.20)** **Appendix 20-E: Greenhouse Gas Reduction Strategy (EN010166/APP/6.4)**
CC - 8	The use of construction materials with lower embodied carbon emissions will be encouraged.	N/A	Construction																		Requirement 4: CEMP Requirement 16: Green House Gas Reduction Strategy	**Chapter 20: Climate Change (EN010166/APP/6.2.20)** **Framework CEMP (EN010166/APP/6.5)**
CC - 9	Construction equipment used will be suitable to operate in the temperatures expected in North Wales.	N/A	Construction																		Requirement 4: CEMP	**Chapter 20: Climate Change (EN010166/APP/6.2.20)** **Framework CEMP**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		**(EN010166/APP/6.5)**
CC - 10	Contractor(s) will monitor weather forecasts and plan works accordingly, protecting workers and resources from any extreme weather conditions, including receive Cyfoeth Naturiol Cymru (Natural Resources Wales) flood alerts and plan works accordingly, protecting workers and resources from any extreme weather conditions such as storms, and flooding.	N/A	Construction																	Requirement 4: CEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Chapter 20: Climate Change (EN010166/APP/6.2.20)** **Framework CEMP (EN010166/APP/6.5)**
CC - 11	Standard construction techniques and mitigation measures, as are described in a wide range of good practice publications (e.g. C811 Environmental Good Practice on site (fifth edition) will be implemented. This involves flood consultations with local flood authorities, in particular in the approach to existing defenses	N/A	Construction																	Requirement 4: CEMP	**Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Chapter 20: Climate Change**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
																						(EN010166/APP/6.2.20) **Framework CEMP (EN010166/APP/6.5)**
CC - 12	Construction materials with superior properties that offer increased tolerance to fluctuating temperatures, heavy precipitation and other extreme weather events such as storms, where feasible, will be used.	N/A	Construction																		Requirement 4: CEMP	**Chapter 20: Climate Change (EN010166/APP/6.2.20)** **Framework CEMP (EN010166/APP/6.5)**
CC - 13	Develop a register of vulnerable construction assets which would be inspected after a hot day.	N/A	Construction																		Requirement 4: CEMP	**Chapter 20: Climate Change (EN010166/APP/6.2.20)** **Framework CEMP (EN010166/APP/6.5)**
CC - 14	Install additional attenuation features at key locations or identified flood risk	N/A	Construction																		Requirement 4: CEMP	**Chapter 20: Climate Change**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	areas, to increase the Proposed Development's drainage capacity.																					**(EN010166/APP/6.2.20)** **Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)**
CC - 15	Undertake regular monitoring of trees and vegetation in the area, pruning as necessary to avoid damage to the construction site or blocking access roads, in the event of a storm with high wind speed.	Monitoring of tree condition during construction phase	Construction																		Requirement 4: CEMP	**Chapter 20: Climate Change (EN010166/APP/6.2.20)** **Framework CEMP (EN010166/APP/6.5)**
CC - 16	As part of a wider Winter Service Plan, a section will be prepared on freeze prevention for pipes, and snow and de-icing procedures for access roads during construction and operation.	N/A	Construction, Operation																		Requirement 4: CEMP Requirement 13: OMEMP	**Chapter 20: Climate Change (EN010166/APP/6.2.20)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
																						Framework CEMP (EN010166/APP/6.5) **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)**
CC - 17	During detailed design for both construction and operation, consider the installation of a water pump for the areas with critical infrastructure to increase the sites surface water drainage capacity.	N/A	Construction, Operation																		Requirement 4: CEMP Requirement 13: OMEMP	**Chapter 20: Climate Change (EN010166/APP/6.2.20)** **Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
																						Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)
CC - 18	Develop and maintain a fire management plan and an early warning and detection system.	N/A	Construction, Operation																		Requirement 4: CEMP Requirement 13: OMEMP	**Chapter 20: Climate Change (EN010166/APP/6.2.20)** **Framework CEMP (EN010166/APP/6.5)** **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)**
CC - 19	The Applicant will be required to comply with the Environmental Permit which would contain provisions to ensure that	N/A	Operation																		Environmental Permitting	**Chapter 20: Climate Change**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	energy is used efficiently across all activities, and to take such identified measures, where appropriate.																				(England and Wales) Regulations 2016	**(EN010166/APP/6.2.20)** **Consents Agreements Position Statement (EN010166/APP/3.3)**
CC - 20	An Environmental Management System (EMS) will be implemented and certified to ISO 14001.	N/A	Operation																		Requirement 13: OMEMP	**Chapter 20: Climate Change (EN010166/APP/6.2.20)** **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)**
CC - 21	The undertaker will ensure that there are sufficient numbers of employees within the operational facility with specialist fire prevention training	N/A	Operation																		Requirement 13: OMEMP	**Chapter 20: Climate Change (EN010166/APP/6.2.20)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
																						Chapter 22: Major Accidents and Disasters (EN010166/APP/6.2.22) **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)**
CC - 22	All outdoor workers will have access to indoor facilities, air conditioning, breaks in shaded areas and water breaks	N/A	Operation																		Requirement 13: OMEMP	**Chapter 20: Climate Change (EN010166/APP/6.2.20)** **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)**
CC - 23	Outdoor and non-essential work will cease if working conditions are too	N/A	Operation																		Requirement 13: OMEMP	**Chapter 20: Climate Change**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	dangerous and could result in injury to workers and damage to equipment.																					**(EN010166/APP/6.2.20)** **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)**
CC - 24	The frequency and magnitude of the impact of extreme temperature over time will be monitored and (if required) further cooling mechanisms will be incorporated into plant upgrades and increased maintenance requirements will be implemented.	N/A	Operation																		Requirement 13: OMEMP	**Chapter 20: Climate Change (EN010166/APP/6.2.20)** **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)**
CC - 25	More durable, heat-resistant materials will be selected in upgrades.	N/A	Operation																		Requirement 3: Detailed Design Requirement 13: OMEMP	**Chapter 20: Climate Change (EN010166/APP/6.2.20)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
																						Design Principles Document (EN010166/APP/7.8) **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)**
CC – 26	To mitigate against coastal and fluvial flooding, finished floor levels of critical infrastructure within the Main Development Area buildings will be raised to 7.7m AOD which is 600 mm above the 1 in 200 year (0.5% AEP) plus 2100 climate change event level in the Dee Estuary.	N/A	Construction																		Requirement 4: CEMP	**Chapter 20: Climate Change (EN010166/APP/6.2.20)** **Chapter 13: Water Environment and Flood Risk (EN010166/APP/6.2.13)** **Framework CEMP (EN010166/APP/6.5)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
CC – 27	Measures will be in place to ensure workers would avoid any hazards that may increase the risk of being struck by lightning, including open spaces, tall objects, water, open wiring, metal fencing, and other metal objects.	N/A	Operation																		Requirement 13: OMEMP	**Chapter 20: Climate Change (EN010166/APP/ 6.2.20)** **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/ 6.4)**
CC - 28	Decommissioning activities would take place later than the year 2050, when the UK is anticipated to be net-zero. Emissions associated with the decommissioning of the Proposed Development would align with the UK and Welsh net-zero requirements at the time.	N/A	Decommissioning																		Requirement 17: DEMP	**Chapter 20: Climate Change (EN010166/APP/ 6.2.20)** **Draft DCO (EN010166/APP/ 3.1)**
CC - 29	To reduce emissions associated with operational worker commuting, sustainable forms of travel would be promoted by provision of cycle storage areas	N/A	Operation																		Requirement 13: OMEMP	**Chapter 20: Climate Change (EN010166/APP/ 6.2.20)** **Appendix 4-1: Operational / Maintenance**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		**Mitigation Register (EN010166/APP/6.4)**
Human Health (HH) - 1	The **Framework CEMP** (**EN010166/APP/6.5**) has been prepared to describe the specific mitigation measures to be followed to control and reduce impacts on the environment during the construction phase.	N/A	Construction														■				Requirement 4: CEMP	**Framework CEMP (EN010166/APP/6.5)**
Major Accidents and Disasters (MA&D) – 1	In compliance with the CDM Regulations 2015 the undertaker would develop and provide pre-construction information to the Engineering, Procurement, and Construction (EPC) Contractor(s), as soon as is practicable with the formal appointment of the principal designer and principal contractor (normally the roles are undertaken by the appointed EPC contractor).	N/A	Detailed Design															■			Legislative environmental controls	**Chapter 22: Major Accidents and Disasters (EN010166/APP/6.2.22)** **Consents and Agreement Position Statement (EN010166/APP/3.3)**
MA&D – 2	The **Framework CEMP** (**EN010166/APP/6.5**) sets out how construction activities would be managed and controlled in compliance with accredited health and safety and	N/A	Construction															■			Requirement 4: CEMP	**Chapter 22: Major Accidents and Disasters (EN010166/APP/6.2.22)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment	
	environmental management systems, relevant legislation and environmental permits, consents and licenses.																				**Framework CEMP (EN010166/APP/6.5)**
MA&D – 3	The Proposed Development design will include a number of principals/philosophies and procedures with regard to process safety and safeguarding. The layout of the Proposed Development would give due consideration to Inherently Safer Design principles with respect to both on-site and off-site receptors.	N/A	Detailed Design																	Legislative environmental controls	**Chapter 22: Major Accidents and Disasters (EN010166/APP/6.2.22)** **Consents and Agreement Position Statement (EN010166/APP/3.3)**
MA&D – 4	The future operational risks will be managed via a number of studies such as Site QRA, preliminary Consequence Modelling, Hazard Identification (HAZID) studies, Failure Mode Effect Analysis, Layer of Protection Analysis and Hazard and Operability (HAZOP) studies as part of the detailed design process.	N/A	Detailed Design																	Legislative environmental controls	**Chapter 22: Major Accidents and Disasters (EN010166/APP/6.2.22)** **Consents and Agreement Position Statement**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		**(EN010166/APP/3.3)**
MA&D – 5	Drainage systems will be designed such that surface water and chemical spills would be appropriately retained onsite to prevent release to environmental receptors.	N/A	Detailed Design																	Requirement 6: Surface Water Drainage	**Chapter 22: Major Accidents and Disasters (EN010166/APP/6.2.22)** **Outline Drainage Strategy (EN010166/APP/6.4)**
MA&D – 6	Traffic will be controlled on site to eliminate incidents between workers and / or plant and equipment.	N/A	Construction																	Requirement 4: CEMP Requirement 5: Construction traffic	**Chapter 22: Major Accidents and Disasters (EN010166/APP/6.2.22)** **Framework CEMP (EN010166/APP/6.5)** **Framework CTMP (EN010166/APP/6.6)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
MA&D – 7	A Notification of Construction Works will be submitted to the Health and Safety Executive (HSE) prior to the commencement of construction, in compliance with the CDM Regulations 2015.	N/A	Construction																		Requirement 4: CEMP	**Chapter 22: Major Accidents and Disasters (EN010166/APP/6.2.22)** **Framework CEMP (EN010166/APP/6.5)**
MA&D – 8	A final Health and Safety File will be prepared that would identify any environmental, health and safety information about the Proposed Development likely to be needed during any subsequent work activities.	N/A	Construction																		Requirement 4: CEMP	**Chapter 22: Major Accidents and Disasters (EN010166/APP/6.2.22)** **Framework CEMP (EN010166/APP/6.5)**
MA&D – 9	Atypical activities, which would be undertaken during construction, but not in normal operation, would be assessed as part of the risk assessment and mitigation processes. For example, the refuelling of construction vehicles from temporary diesel storage areas would be subject to both procedural and	N/A	Construction																		Requirement 4: CEMP	**Chapter 22: Major Accidents and Disasters (EN010166/APP/6.2.22)** **Framework CEMP**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment	
	infrastructure measures to prevent spillages of fuel.																				**(EN010166/APP/6.5)**
MA&D – 10	Commissioning of the Proposed Development will be undertaken in accordance with a Commissioning Plan. This is likely to be a pre-operational condition of the Environmental Permit, for Natural Resources Wales (NRW), and it would also be supplied to the HSE for approval as part of the COMAH Pre-Construction Notification Process.	N/A	Commissioning																	Requirement 4: CEMP Environmental Permitting (England and Wales) Regulations 2016 Control Of Major Accident Hazards Regulations 2015 (COMAH)	**Chapter 22: Major Accidents and Disasters (EN010166/APP/6.2.22)** **Consents Agreements Position Statement (EN010166/APP/3.3)**
MA&D – 11	The Proposed Development would be operated in line with appropriate standards, whilst the undertaker would implement and maintain an Environment Management System (EMS) which would be certified to British Standard (BS) International Standards Organization (ISO) 14001:2015+A1:2024. The EMS would	N/A	Operation																	Requirement 13: OMEMP	**Chapter 22: Major Accidents and Disasters (EN010166/APP/6.2.22)** **Appendix 4-1: Operational / Maintenance**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	outline the requirements and procedures needed to ensure that the Proposed Development is operating to the appropriate standard.																				**Mitigation Register (EN010166/APP/6.4)**
MA&D – 12	The facility would require an Environmental Permit, for the operation of the combustion plant and the CCP, under the EPR 2016. The Environmental Permitting regime, enforced by NRW, places several stipulations and requirements to be fulfilled to the satisfaction of the regulators, including the use of appropriate control and monitoring procedures, risk assessments, management systems and control measures; to minimise the risk of accidents occurring and to minimise the effects of any such accidents on off-site receptors as well as the operational workforce. The permit requires the approach to managing accidents and emergencies to be in accordance with the use of Best Available Techniques (BAT). The undertaker would identify and implement BAT requirements and conditions, to ensure that the design of the Proposed Development would be suitable for the Environmental Permit application	N/A	Operation																		Environmental Permitting (England and Wales) Regulations 2016	**Chapter 22: Major Accidents and Disasters (EN010166/APP/6.2.22)** **Consents Agreements Position Statement (EN010166/APP/3.3)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment	
MA&D – 13	Due to the inventory of dangerous substances which would be added to the existing site, the Proposed Development may require Hazardous Substances Consent and cause the existing power plant to become a COMAH regulated facility. A calculation is to be performed to confirm the COMAH status of the facility and, if applicable, whether this would be at the Lower or Upper-Tier requirements. If COMAH is applicable, the appropriate COMAH notifications would be submitted to the Competent Authority (CA) which comprises the HSE and NRW.	N/A	Operation																		Requirement 13: OMEMP Control Of Major Accident Hazards Regulations 2015 (COMAH)	**Chapter 22: Major Accidents and Disasters (EN010166/APP/6.2.22)** **Appendix 4-1: Operational / Maintenance Mitigation Register (EN010166/APP/6.4)** **Consents and Agreement Position Statement (EN010166/APP/3.3)**
MA&D – 14	The use of suitably experienced contractors, risk assessments, working method statements, operating procedures and personnel training would minimise the risk of accidental scenarios occurring during Proposed Development decommissioning. The decommissioning and / or demolition activities would be notified as required	N/A	Decommissioning																		Requirement 17: DEMP	**Chapter 22: Major Accidents and Disasters (EN010166/APP/6.2.22)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment	
	under the appropriate regulations at the time.																				**Draft DCO (EN010166/APP/3.1)**
Materials and Waste (MW) - 1	The Proposed Development will be designed for reuse and recovery and will identify materials that already exist on site or can be sourced from other projects (e.g. reuse of excavated soil for landscaping)	N/A	Detailed Design																		Requirement 3: Detailed Design	**Chapter 23: Materials and Waste (EN010166/APP/6.2.23)**
MW – 2	The Proposed Development will be designed for materials optimisation: simplifying layout and form to minimise material use, using standard design parameters, balancing cut and fill, maximising the use of renewable materials and materials with recycled content	N/A	Detailed Design																		Requirement 3: Detailed Design	**Chapter 23: Materials and Waste (EN010166/APP/6.2.23)** **Design Principles Document (EN010166/APP/7.8)**
MW - 3	The Proposed Development will be designed for offsite-construction which will maximise the use of prefabricated structure and components encouraging a process of assembly rather than construction where practicable.	N/A	Detailed Design																		Requirement 3: Detailed Design	**Chapter 23: Materials and Waste (EN010166/APP/6.2.23)** **Design Principles**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		**Document (EN010166/APP/7.8)**
MW - 4	The Proposed Development will be designed for the future and will identify how materials can be designed to be more easily adapted over an asset lifetime and how de-constructability and de-mountability of elements can be maximised at end of first life.	N/A	Detailed Design																		Requirement 3: Detailed Design	**Chapter 23: Materials and Waste (EN010166/APP/6.2.23)**
MW - 5	The Proposed Development would aim to prioritise waste prevention, followed by preparing for reuse, recycling and other recovery and lastly disposal to landfill as per the waste hierarchy.	N/A	Construction																		Requirement 4: CEMP	**Chapter 23: Materials and Waste (EN010166/APP/6.2.23)** **Framework CEMP (EN010166/APP/6.5)**
MW - 5	The **Framework CEMP** (**EN010166/APP/6.5**) details standard construction practices to minimise impacts on materials and waste.	N/A	Construction																		Requirement 4: CEMP	**Chapter 23: Materials and Waste (EN010166/APP/6.2.23)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
																					Framework CEMP (EN010166/APP/6.5)
MW - 6	Agreements will be made with material suppliers to reduce the amount of packaging or to participate in a packaging take-back scheme	N/A	Construction																	Requirement 4: CEMP	**Chapter 23: Materials and Waste (EN010166/APP/6.2.23)** **Framework CEMP (EN010166/APP/6.5)**
MW - 7	Implementation of a 'just-in-time' material delivery system to avoid materials being stockpiled where possible, which increases the risk of their damage and disposal as waste.	N/A	Construction																	Requirement 4: CEMP	**Chapter 23: Materials and Waste (EN010166/APP/6.2.23)** **Framework CEMP (EN010166/APP/6.5)**
MW - 8	Attention to material quantity requirements to avoid over-ordering and generation of waste materials.	N/A	Construction																	Requirement 4: CEMP	**Chapter 23: Materials and Waste**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
																					(EN010166/APP/6.2.23) **Framework CEMP (EN010166/APP/6.5)**
MW - 9	Reuse of materials on-site wherever feasible, e.g. reuse of excavated soil for landscaping, recycling of demolition materials into aggregates.	N/A	Construction																	Requirement 4: CEMP	**Chapter 23: Materials and Waste (EN010166/APP/6.2.23)** **Framework CEMP (EN010166/APP/6.5)**
MW - 10	Off-site prefabrication, where practical, including the use of prefabricated structural elements	N/A	Construction																	Requirement 4: CEMP	**Chapter 23: Materials and Waste (EN010166/APP/6.2.23)** **Framework CEMP (EN010166/APP/6.5)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment	
MW – 11	Segregation of waste at source where practical.	N/A	Construction																	Requirement 4: CEMP	**Chapter 23: Materials and Waste (EN010166/APP/6.2.23)** **Framework CEMP (EN010166/APP/6.5)**
MW - 12	Off-site reuse, recycling and recovery of materials and waste where reuse on-site is not practical, e.g. through use of an off-site waste segregation or treatment facility or for direct reuse or reprocessing off-site	N/A	Construction																	Requirement 4: CEMP	**Chapter 23: Materials and Waste (EN010166/APP/6.2.23)** **Framework CEMP (EN010166/APP/6.5)**
MW – 13	A SWMP would be developed which would allow for waste streams to be estimated and monitored. The SWMP would require that the construction contractor segregates waste streams on-site, prior to them being taken to a waste facility for recycling or disposal.	N/A	Construction																	Requirement 4: CEMP	**Chapter 23: Materials and Waste (EN010166/APP/6.2.23)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	All waste removal from the Site would be undertaken by fully licensed waste carriers and taken to permitted waste facilities.																					**Framework CEMP (EN010166/APP/6.5)** **Framework SWMP (EN010166/APP/6.5)**
Arboricultural (Arb) – 1	All services are to be routed outside of the RPA of retained trees. Excavation to install services has the potential to result in unacceptable root severance which could result in instability, dysfunction or the death of trees. Repeated incursions are particularly damaging and must be avoided by bundling services wherever possible. Where it is not possible, and services must be routed within the RPA of a retained tree, this will be subject to a detailed method statement with approval from FCC. The principles of the National Joint Utilities Group (NJUG) Volume 4 (Ref 5) guidance must be adhered to.	N/A	Detailed Design																		Requirement 4: CEMP	**ES Appendix 15-G Arboricultural Impact Report (EN010166/APP/6.4)** **Framework CEMP (EN010166/APP/6.5)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
Arb – 2	An Arboricultural Method Statement to be prepared in accordance with the **Framework CEMP (EN010166/APP/6.5)**	N/A	Pre-Construction																		Requirement 4: CEMP	**ES Appendix 15-G Arboricultural Impact Report (EN010166/APP/6.4)** **Framework CEMP (EN010166/APP/6.5)**
Arb – 3	No veteran trees, ancient trees or ancient woodland are to be removed.	N/A	Construction																		Requirement 4: CEMP	**ES Appendix 15-G Arboricultural Impact Report (EN010166/APP/6.4)** **Framework CEMP (EN010166/APP/6.5)**
Arb – 4	The Proposed Development will ensure the protection and retention of all veteran trees located within the Order limits through the implementation of tree protection measures during any maintenance during operation.	N/A	Operation																		Requirement 13: OMEMP	**Chapter 22: Major Accidents and Disasters (EN010166/APP/6.2.22)** **Appendix 4-1: Operational /**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		**Maintenance Mitigation Register (EN010166/APP/6.4)**
Arb – 5	All tree work is to follow the principles of BS3998: 2010 Treework – Recommendations (Ref 6) and must be carried out by suitably qualified contractors. The Arboricultural Association provides a list of contractors who meet these requirements.	N/A	Construction																	Requirement 4: CEMP	**ES Appendix 15-G Arboricultural Impact Report (EN010166/APP/6.4)** **Framework CEMP (EN010166/APP/6.5)**
Arb – 6	Should the requirement for additional tree works be identified, this will be discussed with the Project Arboriculturist and no works will be undertaken without the consent of FCC.	N/A	Construction																	Requirement 4: CEMP	**ES Appendix 15-G Arboricultural Impact Report (EN010166/APP/6.4)** **Framework CEMP (EN010166/APP/6.5)**
Arb – 7	Where existing services become redundant within the RPA of a retained tree, the default position must be (and	N/A	Construction																	Requirement 4: CEMP	**ES Appendix 15-G Arboricultural**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	is) that they will be decommissioned and left in situ. Where this is not feasible one of the following techniques will be utilised: • Existing services to be removed by winching out from an access/inspection chamber located outside of an RPA; • Fill redundant pipe work with an inert material where acceptable; or • Undertake pipe bursting where necessary within the RPA of retained trees.																					**Impact Report (EN010166/APP/6.4)** **Framework CEMP (EN010166/APP/6.5)**
Arb – 8	All construction site facilities, including site huts, staff and contractor parking and areas for storage, will be located outside of the RPA or crown spread of retained trees. The CEZs identified on the TPP will be fully respected and their location and significance is to be highlighted to all site staff and contractors during the formal site briefing.	N/A	Construction																		Requirement 4: CEMP	**ES Appendix 15-G Arboricultural Impact Report (EN010166/APP/6.4)** **Framework CEMP (EN010166/APP/6.5)**
Decom- 1	Decommissioning activities would be conducted in accordance with the appropriate guidance and legislation for the closure of the Proposed Development. A Decommissioning	N/A	Decommissioning																		Requirement 17: DEMP	**Chapters 6 – 23 (EN010166/APP/6.2)**

Commitment Reference	Commitment	Monitoring	Project Phase	Relevant Aspect / Topic																	Commitment Securing Mechanism	Associated Supporting Documentation
				Air Quality	Noise and Vibration	Traffic and Transport	Terrestrial and Aquatic Ecology	Marine Ecology	Water Environment and Flood Risk	Geology and Ground Conditions	Landscape and Visuals Amenity	Physical Processes	Terrestrial Heritage	Marine Heritage	Socio-economics, Recreation and Tourism	Climate Change	Human Health	Major Accidents and Disasters	Materials and Waste	Cumulative Assessment		
	Environmental Management Plan (DEMP) would be prepared at the time of decommissioning which would consider in detail all potential environmental risks on the Proposed Development and contain guidance on how risks can be removed or mitigated.																					**Draft DCO (EN010166/APP/3.1)**

References

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Ref 3. PPG (2021) [online]. Available at: https://www.gov.uk/government/collections/planning-practice-guidance (Accessed 04/07/2025)

Ref 4. Institute of Air Quality Management (IAQM). (2024). Guidance on the assessment of dust from demolition and construction Version 2.1

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Ref 10. CIRIA (2015) The SuDS Manual [online]. Available at: https://www.calderdale.gov.uk/docs/planning/ciria-c753-the-suds-manual.pdf