

The Drax Power (Generating Stations) Order

Land at, and in the vicinity of, Drax Power Station, near Selby, North Yorkshire

Environmental Statement Commitments Register
(Submitted for Deadline 7)



The Planning Act 2008
The Infrastructure Planning (Applications: Prescribed Forms and Procedure)
Regulations 2009 - Regulation 5(2)(q)

Drax Power Limited

Drax Repower Project

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1 REGISTER OF ENVIRONMENTAL COMMITMENTS

Table 1-1 Register of Environmental Commitments

Environmental Topic	Mitigation	Delivery Mechanism	Phase
Various	<p>The implementation of a construction environmental management plan (CEMP). The CEMP will set out a series of measures, based on best practice guidance from a range of environmental disciplines, to control the environmental effects of the construction of the Proposed Scheme.</p> <p>The CEMP will require that construction is undertaken in line with the Considerate Contractors Scheme. Additional management plans and method statements will be required as part of the CEMP. These are listed below:</p> <ul style="list-style-type: none"> • Site Waste Management Plan (SWMP). • Sensitive clearance strategy – in order to avoid the incidental killing or injury of reptiles during vegetation and site clearance. • Soil Management Plan. <p>An Outline CEMP (Document Reference 6.5) has been provided as part of the DCO application.</p>	<p>A requirement to Schedule 2 of the draft DCO (Document Reference 3.1), requires that a CEMP (or multiple CEMPs for different parts of the Proposed Scheme) be prepared in accordance with the outline CEMP (Document Reference 6.5), and approved by the relevant planning authority. The requirement requires all construction works to be undertaken in accordance with the approved CEMP.</p> <p>Implementation of the CEMP will be the responsibility of the Principal Contractor (or the Lead Contractor for the element of the work).</p>	Construction

Environmental Topic	Mitigation	Delivery Mechanism	Phase
Various	<p>The implementation of a decommissioning environmental management plan (DEMP). The DEMP will set out a series of measures, based on best practice guidance from a range of environmental disciplines, to control the environmental effects of the decommissioning of the Proposed Scheme.</p>	<p>A requirement to Schedule 2 of the draft DCO requires that a DEMP be submitted to and approved by the relevant local planning authority. The requirement requires decommissioning to be undertaken in accordance with the approved DEMP.</p> <p>Implementation of the DEMP will be the responsibility of the Principal Contractor (or the Lead Contractor for the element of the work).</p>	Decommissioning
Transport	<p>A construction traffic management plan (CTMP) will be prepared. It will be used as the basis for the effective management of traffic impacts associated with both the construction of the Proposed Scheme.</p> <p>The CTMP will detail measures including:</p> <ul style="list-style-type: none"> • Route diversions will be put in place to divert traffic from temporary road closures (or alternatively temporary road signals will be deployed). • Abnormal load routing that will be agreed with North Yorkshire County Council (NYCC), East Riding of Yorkshire (ERoY) and Highways England (HE) Officers. This will ensure planned routes are agreed and adhered to and any street furniture is removed prior to arrival. • Route diversions in relation to short term road closures on minor local roads. 	<p>A requirement to Schedule 2 of the draft DCO requires that a CTMP be prepared in accordance with the outline CTMP. The CTMP is required to be submitted to and approved by the relevant planning authority in consultation with the local highway authority and Highways England, and the CTMP must be implemented as approved.</p>	Construction

Environmental Topic	Mitigation	Delivery Mechanism	Phase
	<ul style="list-style-type: none"> Heavy goods vehicles (HGVs) will be required to use the existing HGV route agreement which is in place at the existing Drax Power Station. <p>An outline CTMP (Document Reference 6.2.5.2) has been provided as part of the DCO application.</p>		
Transport	A decommissioning traffic management plan will be prepared and implemented during the decommissioning phase, covering the same types of measures set out for the CTMP above.	A requirement to Schedule 2 of the draft DCO requires that a DTMP be submitted to and approved by the relevant local planning authority. The requirement requires decommissioning to be undertaken in accordance with the approved DTMP	Decommissioning
Transport	<p>A construction worker travel plan (CWTP) will be prepared. It will promote sustainable transport throughout construction of the Proposed Scheme. This will help to control the impact of travel by construction staff.</p> <p>An outline CWTP (Document Reference 6.2.5.5) has been provided as part of the DCO application.</p>	A requirement to Schedule 2 of the draft DCO requires that a CWTP be prepared in accordance with the outline CWTP. The CWTP is required to be submitted to and approved by the relevant planning authority in consultation with the local highway authority, and the CWTP must be implemented as approved.	Construction

Environmental Topic	Mitigation	Delivery Mechanism	Phase
Transport	An Outline Public Rights of Way (PRoW) Management Plan (document reference 8.4.6) has been prepared by Drax to manage PRoW during the construction of the Proposed Scheme.	A requirement to Schedule 2 of the draft DCO requires that a PRoW Management Plan be prepared in accordance with the outline PRoW Management Plan. The PRoW Management Plan is required to be submitted to and approved by the relevant planning authority in consultation with the local highway authority, and the PRoW Management Plan must be implemented as approved.	Construction
Noise	To meet with appropriate noise levels at noise sensitive receptor locations noise emitted from the top of the gas turbine exhaust gas emissions stacks should not exceed a sound power level of 98 dB(A). To achieve this, acoustic attenuators may be provided in the 4 No open cycle stacks.	This is secured via a requirement in Schedule 2 to the draft DCO.	Operation
Historic environment	A programme of mitigation has been devised in consultation with the North Yorkshire County Council Planning Archaeologist (NYCC PA).	This is secured by a requirement in Schedule 2 to the draft DCO	Pre-construction/ construction

Environmental Topic	Mitigation	Delivery Mechanism	Phase
	<p>This programme includes a strip, map and record excavation will be undertaken prior to construction at the location of the Above Ground Installation (AGI) (Work Number 6). It also includes a programme of archaeological monitoring (or watching brief) to be undertaken during the excavation of the pipe trench, easements and also during ground moving activities associated with the installation of the temporary compound/laydown area (Development Parcel A / carbon capture readiness reserve space), the gas receiving facility (GRF) and the passing place at the Rusholme Lane Area.</p> <p>A written scheme of investigation for this fieldwork will be produced.</p>		
<p>Historic environment</p>	<p>One field boundary that is likely to be protected under the Hedgerows Regulations Act 1997 borders the site. The boundary comprises of a hedge-lined drain. The location of the field boundary is shown in Figure 8.2 in Chapter 8 (Historic Environment) of the ES (Examination Library Reference APP-076).</p> <p>The drain and the hedge that surrounds it will not be disturbed during the instalment of the pipe trench. The boundary will be demarcated by fencing prior to construction commencing in the affected area.</p> <p>Construction workers will be briefed on the presence of</p>	<p>This is secured via the Outline CEMP, which is itself secured by a requirement in Schedule 2 to the draft DCO.</p>	<p>Construction</p>

Environmental Topic	Mitigation	Delivery Mechanism	Phase
	the field boundary through a toolbox talk prior to work commencing in this area.		
Historic environment	Enhancement mitigation for Drax Augustinian priory (SM 1016857), to enhance people's experience of the priory in the context of the reported minor negative impacts, will comprise the provision of interpretative panels. These will be placed at a suitable location, such as the Drax Visitor Centre (reference 35.47/6/1) adjacent to the site boundary as agreed with Historic England and recorded in the Statement of Common Ground (Examination Library Reference REP1-003).	This is proposed to be secured as a planning obligation in a section 106 agreement with Selby District Council and North Yorkshire County Council. The proposed planning obligation is set out in Heads of Terms for an Agreement pursuant to s106 of the Town and Country Planning Act 1990 (Document Reference 7.1) and an agreement, in line with those Heads of Terms, is expected with the Councils.	Construction
Biodiversity	The following surveys will be completed following the completion of the Environmental Statement (ES): <ul style="list-style-type: none"> • Breeding birds. • Reptiles. • Bat activity. 	The following reports were submitted with deadline 1 on 18 October 2018 to supplement the ES: <ul style="list-style-type: none"> • Supplementary Environmental Information – Reptile Survey (Examination Library Reference REP1-011). • Supplementary Environmental Information – Breeding Bird Survey (Examination Library Reference REP1-010). <p>The following report was submitted at Deadline 2 on 8 November 2018:</p>	Pre-construction

Environmental Topic	Mitigation	Delivery Mechanism	Phase
		<ul style="list-style-type: none"> Supplemental Environmental Information – Bat Activity Survey (Document Reference 8.4.4) 	
Biodiversity/landscape	<p>The Proposed Scheme will be constructed in line with a Landscape and Biodiversity Strategy which will be approved by the relevant planning authority. This strategy will contain the following:</p> <ul style="list-style-type: none"> Proposals for reinstatement, enhancement and compensatory habitat compensation areas have been proposed. A long term (25 year) management and maintenance plan for all new landscape and habitat creation. A colour palette for the Proposed Scheme. Details of suitable materials for the Proposed Scheme. Details of vegetation retention areas. Details of reinstatement of land and vegetation associated with the Gas Pipeline Indicative palette of planting drawn from existing species notable on site. Impact avoidance techniques. Details of pre and post- construction monitoring surveys. An explanation of how the detailed design of the Proposed Scheme has sought to maximise the biodiversity net gain of the development, as far as practicable 	<p>A requirement in Schedule 2 of the draft DCO requires a Landscape and Biodiversity Strategy to be prepared in accordance with the outline Landscape and Biodiversity Strategy for each stage of construction. Each strategy is required to be approved by the relevant planning authority, in consultation with NYCC, and the approved strategy is required to be implemented.</p>	Pre-construction /construction

Environmental Topic	Mitigation	Delivery Mechanism	Phase
	<ul style="list-style-type: none"> • A targeted invasive non-native species management strategy (or Invasive Species Management Plan) will be included. This is likely to include measures relating to vegetation and soil-handling and disposal during construction and decommissioning operations. • The Landscape and Biodiversity Strategy will secure the following buffers: <ul style="list-style-type: none"> ○ North Station Wood and the connecting woodland to the north west of Development Parcel B will be protected by a 15 m buffer. ○ The rectangular section of woodland to the south of Development Parcel A will also be protected by a 15 m buffer. ○ A 10 m buffer will be enforced around Woodcock Wood to safeguard the habitat and the tree roots from excavation damage that could result from the construction of the pipeline. <p>An outline Landscape and Biodiversity Strategy has been provided in support of this application (Document Reference 6.7). The outline Landscape and Biodiversity Strategy, sets out the mitigation that will be delivered for Stages 1 and 2 of the construction of the Proposed Scheme.</p>		

Environmental Topic	Mitigation	Delivery Mechanism	Phase
Biodiversity	<p>An ecologically sensitive construction-phase lighting strategy(ies) would be produced. These would identify the lighting requirements for construction of each Stage of the Proposed Scheme. The construction-phase lighting strategy would also identify light-sensitive retained ecological features that could experience increased light levels during construction. This would include identification of treelines, hedgerows, watercourses, and any other features that could be used by commuting and foraging bats.</p> <p>The construction-phase lighting strategy will include measures to avoid, minimise and reduce lighting impacts species including bats. A hierarchy of measures would be considered, including:</p> <ul style="list-style-type: none"> • Avoiding the need to install lighting adjacent to retained features suitable for commuting and foraging bats. • Including requirements to minimise how long any required artificial lighting near suitable bat habitat operates for. • Where appropriate, fitting task and security lighting with motion-activated time switches to reduce the period such lighting operates for. • Using the minimum amount of lighting necessary to safely deliver construction works; • Positioning and directing any required artificial lighting to minimise light-spill onto suitable bat habitats. 	A requirement in Schedule 2 of the draft DCO secures the approval and implementation of the construction phase lighting strategy(ies).	Construction

Environmental Topic	Mitigation	Delivery Mechanism	Phase
	<ul style="list-style-type: none"> Using cowls, shields and louvres to minimise horizontal and vertical light spill from fixed lighting positions. 		
Biodiversity/ landscape and visual	<p>An ecologically sensitive operational-phase lighting strategy and design will be produced. This would set out the locations and specifications of operational lighting for each Stage of the Proposed Scheme. It is expected that more detail on lighting specifications would be provided in the operational-phase lighting strategy, given that this would include permanent lighting installations. An operational lighting strategy will be prepared. The following mitigation with regards to artificial lighting would be implemented:</p> <ul style="list-style-type: none"> Specific working hours, particularly during night working, would be agreed with the local planning authority and the local communities will be made aware of this. Lighting will be switched off when not in use, where possible. This would include lighting associated with the AGI and the GRF / Compressor Station. The lighting will be designed to reduce unnecessary light spill outside the Site Boundary and avoiding unnecessary sky glow. 	A requirement in Schedule 2 of the draft DCO secures the approval and implementation of the operational phase lighting strategy(ies).	Operation
Biodiversity	<p>Post construction monitoring surveys are proposed in line with the Landscape and Biodiversity Strategy (Document Reference 6.7). These are likely to include the following species:</p> <ul style="list-style-type: none"> Bats. 	This will be secured by the Landscape and Biodiversity Strategy.	Post-construction/ Operation

Environmental Topic	Mitigation	Delivery Mechanism	Phase
	<ul style="list-style-type: none"> • Otters. • Breeding bird and wintering birds. • Reptiles. 	<p>A requirement in Schedule 2 of the draft DCO requires a Landscape and Biodiversity Strategy to be prepared in accordance with the outline Landscape and Biodiversity Strategy for each stage of construction. Each strategy is required to be approved by the relevant planning authority in consultation with NYCC, and the approved strategy is required to be implemented.</p>	
Biodiversity	<p>Pre-construction monitoring surveys are proposed in line with the Landscape and Biodiversity Strategy (Document Reference 6.7). These are likely to include the following species:</p> <ul style="list-style-type: none"> • Badger activity – both three months in advance of site clearance and one week in advance of site clearance. • Otter activity – both three months in advance of site clearance and one week in advance of site clearance. • Invasive species -- in the active growing season (approximately April to August inclusive) prior to vegetation and site clearance commencing in any part of the Site. 	<p>This will be secured by the Landscape and Biodiversity Strategy.</p> <p>A requirement in Schedule 2 of the draft DCO requires a Landscape and Biodiversity Strategy to be prepared in accordance with the outline Landscape and Biodiversity Strategy for each stage of construction. Each strategy is required to be approved by the relevant planning authority, in consultation with NYCC, and the approved strategy is required to be implemented.</p>	Pre-construction

Environmental Topic	Mitigation	Delivery Mechanism	Phase
Biodiversity	Badgers will need to be excluded from setts in order to allow site clearance and construction within 30 m of the sett to commence. In order to close the sett(s) without contravening the Protection of Badgers Act (1992), a licence would be obtained from Natural England to permit this.	A licence would be obtained from Natural England to permit this.	Pre-construction
Landscape and visual	Suitable materials will be used, where possible, in the construction of structures to reduce reflection and glare and to assist with breaking up the massing of the buildings and structures. Materials include GRP Construction or Brick for the PTF, PRMS and Compressor Building and all other buildings are likely to be steel structures with concrete walls or metal / GRP cladding. Stacks up to 123 m high are likely to be steel frame with a reinforced concrete shell.	Requirements in Schedule 2 of the draft DCO require the submission to, and approval by, the relevant planning authority of details of the external appearance of new permanent buildings and structure, including colour, materials and surface finishes.	Construction
Landscape and visual	The colours for the Proposed Scheme will be agreed with the LPA. The proposed colours will draw on the original colour palette used in the original Drax design. It should be noted that whilst the electric kiosks and pipework associated with the AGI will be in a grey, the BS colour palette is yet to be agreed. All structures will be surrounded by security fencing, grey/black in colour.	Requirements in Schedule 2 of the draft DCO require the submission to, and approval by, the relevant planning authority of details of the external appearance of new permanent buildings and structure, including colour, materials and surface finishes.	Pre-construction

Environmental Topic	Mitigation	Delivery Mechanism	Phase
Ground conditions	A combined geotechnical and geo-environmental Phase 2 ground investigation will be undertaken prior to commencement of the construction phase.	A requirement in Schedule 2 of the draft DCO secures the submission to, and approval of, a written strategy in relation to the identification and remediation of any risks associated with contamination (including a verification plan) by the relevant planning authority, in consultation with the Environment Agency and North Yorkshire County Council. The approved strategy is required to be implemented. The requirement also requires a report in accordance with the verification plan to be submitted to and approved by the relevant planning authority, prior to commissioning of the Proposed Scheme. The requirement also requires a remediation strategy to be approved and implemented where contamination is found.	Pre-construction
Water resource, quality and hydrology	The following will be included in the design of the Proposed Scheme to mitigate flood risk: <ul style="list-style-type: none"> A new outfall to Dickon Field Drain will be built to discharge surface water runoff generated in the area of the AGI and the associated access road. The discharge rate will be estimated in accordance with the Selby Area IDB requirements to ensure no increase in the flood risk. 	Inherent in the design of the Proposed Scheme, and included as part of numbered works 3A and 6 in Schedule 1 of the draft DCO, and details are required to be approved as part of the detailed design requirement for those numbered works in Schedule 2 of the DCO.	Construction

Environmental Topic	Mitigation	Delivery Mechanism	Phase
	<ul style="list-style-type: none"> A new flood relief channel is proposed to be constructed. The results of hydraulic modelling of the proposed flood relief channel shows that it will provide appropriate mitigation, so the Proposed Scheme is unlikely to increase risk of flooding in the area or elsewhere. 		
Water resource, quality and hydrology	A surface water management system will be developed to ensure that the existing and the proposed surface water drainage system will be appropriately maintained.	This will be secured by a requirement in the draft DCO.	Operation
Water resource, quality and hydrology	An outline Surface Water Drainage Strategy has been prepared as part of this application (Document Reference 6.8)). The proposed outline surface water drainage strategy was prepared in accordance with the advice from the Selby Area IDB.	This will be secured by a requirement in the draft DCO.	Operation
Socio-economics	An apprenticeship scheme and Local Employment Scheme will be implemented to ensure opportunities for apprenticeships and employment in connection with the construction, maintenance and operation of the Proposed Scheme are made available to people in local communities. This will be agreed with Selby District Council and North Yorkshire County Council.	This is proposed to be secured as a planning obligation in a section 106 agreement with Selby District Council and North Yorkshire County Council. The proposed planning obligation is set out in Heads of Terms for an Agreement pursuant to s106 of the Town and Country Planning Act 1990 (Document Reference 7.1) and an agreement, in line with those Heads of Terms, is expected with the Councils.	Pre-construction

Environmental Topic	Mitigation	Delivery Mechanism	Phase
Socio-economics	<p>The implementation of appropriate diversions of PRow during Stage 1 (Document Reference 2.4).</p> <p>Permanent diversion of PRow 35.47/6/1 would be required to accommodate the landscape screening in the event of a separate CCS planning application being submitted.</p>	<p>A requirement in Schedule 2 of the draft DCO includes provisions to mitigate the impact of temporarily closed PRowS by providing that an alternative route be provided and that publicity and signage be provided in advance of the temporary closure.</p> <p>The draft DCO includes provisions in relation to the permanent diversion of the PRowS, only in order to prepare the Carbon Capture Readiness reserve space for the installation and operation of CCS equipment.</p>	Pre-construction
Climate	<p>The Proposed Scheme will include infrastructure designed to be Carbon Capture Ready (CCR) including the carbon capture readiness reserve space. This provides the potential for Drax to be connected to any future Carbon Capture and Storage (CCS) scheme.</p>	<p>CCR is embedded into the design of the Proposed Scheme, and requirements in Schedule 2 of the draft DCO safeguard the Carbon capture readiness reserve space for future CCS plant, and require regular reporting on the feasibility of CCS.</p>	Design

