ENVIRONMENTAL STATEMENT – VOLUME 3 – APPENDIX 9.4

Sensitive Receptors

Drax Bioenergy with Carbon Capture and Storage

The Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 – Regulation 5(2)(a)

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1. SENSITIVE RECEPTORS

1.1.1. The following are the sensitive receptors which will be assessed as part of the assessment:

1.2. LANDSCAPE

Table 1.1 - Landscape Receptor Sensitivity

Landscape Character Receptor Name	Sensitivity
Site Fabric (including topography, drainage, vegetation, aesthetic / experiential and perceptual)	The Drax Power Station Site is an active, industrial power station and predominantly comprises large-scale infrastructure including a turbine hall / boiler house, main stack and 12 cooling towers. Whilst not formally designated, Drax Power Station is a distinctive feature of the landscape, recognised as being one of the last standing coal fired power stations remaining in England. Vegetation is limited within the Site to boundaries and areas of scrub in between the large-scale infrastructure. The value of the Site is Medium. The Drax Power Station Site is predominantly large-scale infrastructure in character with pockets of mitigation planting. The susceptibility of the Site to change is therefore Low. The sensitivity of the Site is **Medium**.
LCA 5: Ouse Valley (SDC)	This LCA is predominantly flat farmland with limited tree cover. There are no national or local designations present and the landscape is heavily influenced by large scale infrastructure. The value of the LCA is therefore Low. The LCA is influenced by large scale infrastructure including Drax Power Station, Rusholme Wind Farm, overhead lines and associated electricity pylons. The susceptibility of the LCA is therefore Medium. The sensitivity of the LCA is **Medium**.
LCA 6: Derwent Valley (SDC)	This small LCA is a narrow floodplain landscape with limited road access. The fields within this LCA are largely rectilinear with occasional hedgerow trees. The locally designated Lower Derwent ILA falls within this LCA. The value of this LCA is therefore Medium. The LCA is predominantly rural with limited urban influences and detracting elements. The susceptibility of the LCA to change is therefore High. The sensitivity of the LCA is **High**.
LCA 7: Aire Valley (SDC)	This LCA is predominantly a low-lying flat floodplain comprising a patchwork of arable fields defined by ditches, dykes and hedgerows, with areas of wetland, marshy grassland and fen. High riverbanks are frequently densely vegetated. The LCA is influenced by the built form of power stations, overhead pylons and numerous bridge crossings. There are no national or local designations present. The value of the LCT is therefore Low. The susceptibility of the LCA to change of the type proposed is therefore Medium. The sensitivity of the LCA is **Medium**.
LCA 10: East Selby Farmland (SDC)	This LCA is predominantly farmland which is heavily influenced by large scale structures such as Drax Power Station, which is visible across the landscape. The scale of development within the LCA comprises of isolated properties, farmsteads and small villages. There are no national or local designations present and the landscape is heavily influenced by large scale infrastructure. The value of the LCA is therefore Low. This LCA is influenced by urban features including the Drax Power Station which lies beyond the LCA and main roads such as the A645 and A1041. The susceptibility of the LCA is therefore Medium. The sensitivity of the LCA is **Medium**.
LCA 15: Camblesforth Farmland (SDC)	This LCA is predominantly flat farmland with a number of broadleaved woodlands and shelterbelts. Drax is a prominent and defining feature of the landscape, which contributes to a sense of place. The scale of the surrounding designed landscape is of a scale that compliments the overall massing of the power station itself. The value of the LCA is Medium.

Landscape Character Receptor Name	Sensitivity
	This LCA is influenced by large scale urban features including the Drax Power Station. The susceptibility of the LCA to proposed change is therefore Medium. The sensitivity of the LCA is **Medium**.
LCT 4 River Corridors (ERoY) (4B and 4D)	This LCT is predominantly a low-lying flat floodplain with grassland pasture and meadow that is subject to seasonal flooding. This LCT has many urban influences which include large scale wind farms and single turbine developments. There are no national or local designations present. The value of the LCT is therefore Low. This LCA is influenced by wind turbine development. The susceptibility of the LCA to proposed change is therefore Medium. The sensitivity of the LCA is **Medium**.
The Lower Derwent ILA	This ILA is a low-lying floodplain landscape with manmade embankments. The ILA has a predominantly organic, medium sized field pattern with riparian woodland and trees within the river corridor. The ILA is locally designated, and the value of this ILA is therefore Medium. The ILA is predominantly rural with limited urban influences and detracting elements. The susceptibility of the ILA to proposed change is therefore High. The sensitivity of the ILA is **High**.

1.3. VISUAL

Table 1.2 - Visual Receptor Sensitivity

Visual Receptor Name	Representative Viewpoint Number	Sensitivity
A. Residents living in properties with western facing views **(Pear Tree Avenue,** Wrenhall Lane, **Carr Lane and Main Road)**	Viewpoint 6 and 7	The outlook from these properties consists of broad and far-reaching views across open farmland. Drax is a prominent and defining feature of the view, which contributes to a sense of place. The scale of the surrounding designed landscape compliments the overall massing of the power station itself. The value of this view is Medium. Residents have a strong interest in their visual environment and are therefore highly susceptible to visual change arising from the construction, operation and decommissioning of the Proposed Scheme. There is a high susceptibility to visual change arising from the construction and operation of the Proposed Scheme. The sensitivity of these receptors is considered **High**.
B. Residents living in properties with eastern facing **views (Camela / Clay Lane)**	Viewpoint 2	The outlook from these properties consists of filtered views across open farmland and partially is obscured by the vegetation along Clay Lane / Camela Lane. Drax is a prominent and defining feature of the view, which contributes to a sense of place. It is a large, dominant skyline feature in middle distance views, visible above and where gaps in the background vegetation allow. The value of this view is considered Medium. Residents have a strong interest in their visual environment and are therefore highly susceptible to visual change arising from the construction, operation and decommissioning of the Proposed Scheme. There is a high susceptibility to visual change arising from the construction and operation of the Proposed Scheme. The sensitivity of these receptors is considered **High**.

Visual Receptor Name	Representative Viewpoint Number	Sensitivity
C. Residents in properties with south-eastern facing views (Thief Lane)	Viewpoint 4	The outlook from these properties consists of broad views across open arable farmland towards Barlow Mound. Drax Power Station is a large, dominant skyline feature sitting beyond Barlow Mound and intervening woodland planting. The value of this view is considered Medium. Residents have a strong interest in their visual environment and are therefore highly susceptible to visual change arising from the construction, operation and decommissioning of the Proposed Scheme. There is a high susceptibility to visual change arising from the construction and operation of the Proposed Scheme. The sensitivity of these receptors is considered **High**.
D. Properties with west and north – west facing views from the settlement of Drax	No viewpoint (closest viewpoint 9)	The outlook from the rear of these properties consists of broad views across open farmland. Drax is a prominent and defining feature of the view alongside overhead lines and associated pylons, which contributes to a sense of place. The scale of the surrounding designed landscape compliments the overall massing of the power station itself and woodland planting obscures some of lower elevations of Drax Power Station. The value of this view is Medium. The Proposed Scheme will be visible beyond the farmland, woodland planting and overhead lines / pylons and within the context of the existing Drax Power Station. Residents have a strong interest in their visual environment. The susceptibility of these receptors is High. Overall, the sensitivity of these receptors is considered **High.**
E. Residents in properties with north-east facing views from the settlement of Camblesforth	No viewpoint. (Closest Viewpoint 2)	The outlook from these properties consists of filtered views across open farmland. Views are filtered and obscured by the vegetation along intervening field boundaries and along the railway line. Drax is a prominent and defining feature of middle-distance views, which contributes to a sense of place. The scale of the surrounding designed landscape compliments the overall massing of the power station itself and is visible above and where there are gaps in the vegetation. The value of this view is Medium. Residents have a strong interest in their visual environment and are therefore highly susceptible to visual change arising from the construction, operation and decommissioning of the Proposed Scheme. There is a high susceptibility to visual change arising from the construction and operation of the Proposed Scheme. The sensitivity of these receptors is considered **High**.
F. Residents in properties with north facing views from the settlement of Carlton	Viewpoint 10	The outlook from these properties consists of broad views across open farmland with large scale infrastructure elements through the view and punctuating the skyline (electricity pylons and telegraph poles). Drax is a prominent and defining feature of the view, noticeable on the skyline above intervening woodland planting, and which contributes to a sense of place. The scale of the surrounding designed landscape compliments the overall massing of the power station itself. The value of this view is considered Medium. Residents have a strong interest in their visual environment and are therefore highly susceptible to visual change arising from the construction, operation and decommissioning of the Proposed Scheme. There is a high susceptibility to visual change arising from the construction and operation of the Proposed Scheme. The sensitivity of these receptors is considered **High**.
G. Residents in properties with south-west facing views from the settlement	Viewpoint 5	The outlook from these properties consists of views across open farmland filtered by vegetation along High Street in the foreground. Drax is a prominent and defining feature of the view, which contributes to a sense of place. The scale of the

Visual Receptor Name	Representative Viewpoint Number	Sensitivity
of Barmby on the Marsh and Long Drax		surrounding designed landscape compliments the overall massing of the power station itself, which is visible beyond the intervening vegetation along the River Ouse. The value of this view is considered Medium. Residents have a strong interest in their visual environment and are therefore highly susceptible to visual change arising from the construction, operation and decommissioning of the Proposed Scheme. There is a high susceptibility to visual change arising from the construction and operation of the Proposed Scheme. The sensitivity of these receptors is considered **High**.
H. People visiting and working within Drax Power Station	No Viewpoint	The outlook for these receptors consists of close proximity views of Drax Power Station and associated infrastructure. Drax is a prominent and defining feature of associated views, which contributes to a sense of place. The value of this view is Medium. The Proposed Scheme will be visible at close proximity adjacent to the existing large-scale infrastructure. Workers are largely focussed on their day to day tasks rather than views of the wider landscape. The susceptibility of these receptors is Low. Overall, the sensitivity of these receptors is Low.
I. People travelling along the PRoW along the River Ouse with south-western facing views (TPT / NCN)	Viewpoint 5 and 8	Views for these receptors consists of views River Ouse and the open farmland beyond. Drax is a prominent and defining feature of the landscape, which contributes to a sense of place. The scale of the surrounding designed landscape is of a scale that compliments the overall massing of the power station itself, which is visible beyond the intervening woodland planting and vegetation along the River Ouse. The value of this view is considered Medium. People travelling along footpaths have a strong interest in their visual environment and are therefore highly susceptible to visual change arising from the construction, operation and decommissioning of the Proposed Scheme. There is a high susceptibility to visual change arising from the construction and operation of the Proposed Scheme. The sensitivity of these receptors is considered **High**.
J. People travelling along PRoW with close proximity **eastern facing views** (Energy Way)	Viewpoint 3	Views for these receptors largely consist of open farmland framed by belts of intermittent woodland. For a short section of these routes, receptors will walk immediately adjacent to the Drax Power Station boundary, as shown in Viewpoint 3 (worst case scenario). Drax is a prominent and defining feature of the view, which contributes to a sense of place. The scale of the surrounding designed landscape is of a scale that compliments the overall massing of the power station itself. The value of the view is Medium. Receptors have an interest in their visual environment and are therefore susceptible to visual change arising from the construction, operation and decommissioning of the Proposed Scheme. There is a medium susceptibility to visual change arising from the construction and operation of the Proposed Scheme. The sensitivity of these receptors is considered **Medium**.
K. People travelling along PRoW with south – western facing views	Viewpoint 6	The outlook for these receptors consists of broad views across open farmland, filtered by mature intervening boundary vegetation along Pear Tree Avenue and New Road. Drax is a prominent and defining feature of the landscape, which contributes to a sense of place. The scale of the surrounding designed landscape is of a scale that compliments the overall massing of the power station itself. The value of this view is considered Medium. People travelling along footpaths have an interest in their visual environment and are therefore susceptible to visual change arising from the construction, operation and decommissioning of the Proposed Scheme. There is a medium susceptibility to visual change arising from the construction and operation of the Proposed Scheme. The susceptibility of these receptors is Medium.

Visual Receptor Name	Representative Viewpoint Number	Sensitivity
		The sensitivity of these receptors is considered **Medium.**
L. People travelling along PRoW with long distance south-western facing views	Viewpoint 7	Receptors along this route experience views of open farmland with intermittent woodland and individual tree planting. Drax is a prominent and defining feature of the view, which contributes to a sense of place. The scale of the surrounding designed landscape is of a scale that compliments the overall massing of the power station itself. Overhead lines and associated pylons have a notable presence. The value of this view is Medium. Receptors have an interest in their visual environment and are therefore susceptible to visual change arising from the construction, operation and decommissioning of the Proposed Scheme. There is a medium susceptibility to visual change arising from the construction and operation of the Proposed Scheme. The sensitivity of these receptors is considered **Medium**.
M. People travelling along PRoW with western facing views**.**	Viewpoint 9	Views for these recreational receptors consists of broad views across open farmland with intermittent woodland planting along the dismantled railway and along New Road. Drax is a prominent and defining feature of the view alongside overhead lines and associated pylons, which contributes to a sense of place. The scale of the surrounding designed landscape is of a scale that compliments the overall massing of the power station itself. Some of the lower elevations of the existing Drax Power Station are obscured by woodland planting. The value of this view is considered Medium. The Proposed Scheme will be visible beyond the farmland, woodland planting and overhead lines and associated pylons. Receptors have a strong interest in their visual environment. The susceptibility of these receptors is Medium. Overall, the sensitivity of these receptors is **Medium**.
N. People travelling along the PRoW along the River Ouse with south-eastern facing views	Viewpoint 4	Receptors travelling along this route will experience broad views across open arable farmland towards Barlow Mound. Drax is a prominent and defining feature of the view, which contributes to a sense of place and is visible beyond Barlow Mound and the intervening woodland planting. The scale of the surrounding designed landscape is of a scale that compliments the overall massing of the power station itself. The value of this view is Medium. Receptors have an interest in their visual environment and are therefore susceptible to visual change arising from the construction, operation and decommissioning of the Proposed Scheme. There is a medium susceptibility to visual change arising from the construction and operation of the Proposed Scheme. The sensitivity of these receptors is considered **Medium**.
O. People visiting and working at Drax Golf Club	No viewpoint	The outlook for these receptors consists of close proximity views of Drax Power Station beyond the A645. Drax is a prominent and defining feature of the views, which contributes to a sense of place. The scale of the surrounding designed landscape is of a scale that compliments the overall massing of the power station itself. The value of this view is considered Medium. The Proposed Scheme will be visible beyond the confines of the golf course filtered by intervening vegetation. Whilst recreational users of the golf course are largely focussed on their sporting activity rather than views of the wider landscape their susceptibility is considered Medium. Overall, the sensitivity of these receptors is considered **Medium**.
P. Recreational users of the River Ouse	Viewpoint 4, 5 and 8	Views for these receptors consists of views open farmland beyond the intervening vegetation along the River Ouse. Drax is a prominent and defining feature of the views, which contributes to a sense of place. The scale of the surrounding designed landscape is of a scale that compliments the overall massing of the power station itself. Drax Power Station is noticeable on the skyline, beyond the intervening woodland planting and vegetation along the River Ouse. The value of this view is Medium.

Visual Receptor Name	Representative Viewpoint Number	Sensitivity
		Users of the River Ouse will be focused on the immediate views of the river and its banks rather than views of the wider landscape. Receptors have an interest in their visual environment and are therefore susceptible to visual change arising from the construction, operation and decommissioning of the Proposed Scheme. There is a medium susceptibility to visual change arising from the construction and operation of the Proposed Scheme. The sensitivity of these receptors is considered **Medium**.
Q. **Road users travelling along the A645** and A161	No viewpoint	The outlook for these receptors consists of immediate views of Drax Power Station beyond the roadside vegetation along the A645. Drax is a prominent and defining feature of the view, which contributes to a sense of place. The scale of the surrounding designed landscape is of a scale that compliments the overall massing of the power station itself. The value of this view is considered Medium. The Proposed Scheme will be visible beyond the vegetation along the A645 and adjacent to Drax Power Station. Road users travelling along the A645 will be travelling at speed and focussed on their route and immediate traffic conditions rather than views of the wider landscape. The susceptibility of these receptors is considered Low. Overall, the sensitivity of these receptors is considered **Low**.
R. Road users travelling along local roads in close proximity to Drax.	No viewpoint	The outlook for these receptors consists of close proximity views of the existing Drax Power Station beyond the roadside vegetation and built form along the local road network. Drax is a prominent and defining feature of the view, which contributes to a sense of place. The scale of the surrounding designed landscape is of a scale that compliments the overall massing of the power station itself. The value of this view is considered Medium. The Proposed Scheme will be visible beyond the vegetation and built form along the local road network within the context of Drax Power Station. Road users travelling along the local road network will be focussed on their route and immediate traffic conditions with an awareness of the landscape. The susceptibility of these receptors is considered Medium. Overall, the sensitivity of these receptors is considered **Medium**.