The Drax Power (Generating Stations) Order

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

Environmental Statement
18 – Summary of Significant Effects

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

Drax Power Limited

Drax Repower Project

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18 SUMMARY OF SIGNIFICANT EFFECTS

18.1 Introduction

18.1.1. Chapters 5 to 17 of this Environmental Statement (ES) have considered the potential environmental impacts and effects of the Proposed Scheme. This Chapter summarises the likely significant environmental effects reported within Chapters 5 to 17.

18.1.2. For the purposes of this ES, an effect is considered to be 'significant' if it is assessed to be moderate (adverse or beneficial) or major (adverse or beneficial). Minor and neutral effects are only referenced in this chapter where a 'significant' effect has been reduced to a 'not significant' effect following mitigation. Any deviations from this are outlined within the assessment methodology of the chapter (as applicable for Chapter 12 (Water Resources, Quality and Hydrology) and Chapter 10 (Landscape and Visual)).

18.1.3. Outlined within Tables 18.1 to 18.10 is the following information:

- A summary of the nature and significance of all likely significant effects identified within the ES prior to the implementation of secondary mitigation.
- Secondary mitigation measures to be implemented to minimise the significance of these significant effects.
- The residual significance of these effects assuming all proposed mitigation is implemented.

18.1.4. The following chapters did not identify any likely significant effects prior to the implementation of secondary mitigation and therefore a summary table has not been provided in this Chapter:

- Chapter 6 (Air Quality).
- Chapter 11 (Ground Conditions).
- Chapter 13 (Waste).
- Chapter 16 (Major Accidents and Disasters).

18.2 Summary of Significant Effects Tables

Table 18-1 - Summary of Significant Effects Table for Chapter 5 (Transport)

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
Stage 0 – Reconfiguration Works				
Not Assessed as effects will be no greater than Stage 1 or 2 considered to be the worst case scenario				
Stage 1 – Construction of Unit X				
Increase in vehicular delay	Delay	Moderate – T D ST	This refers to two junctions only which are the A614 / A645 and A614 / Airmyn Road. Although the delay has increased to create a Moderate Adverse impact in Stages 1 and 2, the junction, and the arm with the greatest impact, still operates well within theoretical capacity with an RFC <1. Given the temporary nature of the peak of construction (2 months), it is not deemed necessary to provide junction-specific mitigation to reduce this impact. The CTMP will be used to mitigate, monitor and manage traffic during construction.	Moderate – T D ST
Worsening of Junction Performance	RFC	Moderate – T D ST	None - This refers to two junctions which are the A614 / A645 and A645 / New Road / Main Road. Although the RFC has increased to create a Large Adverse impact in Stages 1 and 2, the junction, and the arm with the greatest impact, still operates well within theoretical capacity with	Moderate – T D ST

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
			an RFC <1. Given the temporary nature of the peak of construction (2 months), it is not deemed necessary to provide junction-specific mitigation to reduce this impact. The CTMP will be used to mitigate, monitor and manage traffic during construction.	
Stage 2 – Construction of Unit Y				
Increase in vehicular delay	Delay	Moderate – T D ST	This refers to two junctions only which are the A614 / A645 and A614 / Airmyn Road. Although the delay has increased to create a Moderate Adverse impact in Stages 1 and 2, the junction, and the arm with the greatest impact, still operates well within theoretical capacity with an RFC <1. Given the temporary nature of the peak of construction (2 months), it is not deemed necessary to provide junction-specific mitigation to reduce this impact. The CTMP will be used to mitigate, monitor and manage traffic during construction.	Moderate – T D ST
Worsening of Junction Performance	RFC	Moderate – T D ST	None - This refers three junctions which are the A614 / A645, A645 / New Road / Main Road and the A1041 / A645. Although the RFC has increased to create a Large Adverse impact in Stages 1 and 2, the	Moderate – T D ST

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
			junction, and the arm with the greatest impact, still operates well within theoretical capacity with an RFC <1. Given the temporary nature of the peak of construction (2 months), it is not deemed necessary to provide junction-specific mitigation to reduce this impact. The CTMP will be used to mitigate, monitor and manage traffic during construction.	
Worsening of Junction Performance	RFC	Large – T D ST	None - This refers to two junctions which are the A614 / Airmyn Road, M62 / A614 Although the RFC has increased to create a Large Adverse impact in Stages 1 and 2, the junction, and the arm with the greatest impact, still operates well within theoretical capacity with an RFC <1. Given the temporary nature of the peak of construction (2 months), it is not deemed necessary to provide junction-specific mitigation to reduce this impact. The CTMP will be used to mitigate, monitor and manage traffic during construction.	Large – T D ST
Stage 3 – Operation of Units X and Y				
Not Assessed as effects will be no greater than Stage 1 or 2 considered to be the worst case scenario				
Decommissioning				
Not Assessed as effects will be no greater than Stage 1 or 2 considered to be the worst case scenario				

Key to table: + / - = Positive or Negative P / T = Permanent or Temporary, D / I = Direct or Indirect, ST / MT / LT = Short Term, Medium Term or Long Term N/A = Not Applicable

Table 18-2 - Summary of Significant Effects Table for Chapter 7 (Noise and Vibration)

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
Stage 0 – Reconfiguration Works				
No significant effects identified				
Stage 1 – Construction of Unit X				
No significant effects identified				
Stage 2 – Operation of Unit X and Construction of Unit Y				
Cumulative Noise Effects - Daytime	NSR 1	Moderate / - / P / D / LT	Acoustic attenuators in the 2 No. open cycle stacks	Negligible
Cumulative Noise Effects – Night Time	NSR 4	Major / - / P / D / LT	Acoustic attenuators in the 2 No. open cycle stacks	Minor / - / P / D / LT
	NSR 1, 2 & 5	Moderate / - / P / D / LT	Acoustic attenuators in the 2 No. open cycle stacks	Negligible
Stage 3 – Operation of Units X and Y				
Cumulative Noise Effects - Daytime	NSRs 1 & 4	Moderate / + / T / I / MT	Acoustic attenuators in the 4 No open cycle stacks	Minor / + / T / I / MT
Cumulative Noise Effects – Night Time	NSR 1	Moderate / + / T / I / MT	Acoustic attenuators in the 4 No open cycle stacks	Negligible

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
	NSR 2	Major / + / T / I / MT	Acoustic attenuators in the 4 No open cycle stacks	Minor / + / T / I / MT
	NSR 4	Major / + / T / I / MT	Acoustic attenuators in the 4 No open cycle stacks	Minor / + / T / I / MT
	NSRs 3 & 5	Moderate / + / T / I / MT	Acoustic attenuators in the 4 No open cycle stacks	Negligible
Decommissioning				
No significant effects identified				

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Table 18-3 - Summary of Significant Effects Table for Chapter 8 (Historic Environment)

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
Stage 0 – Site Reconfiguration Works				
No significant effects identified				
Stage 1 – Construction of Unit X, the Gas Pipeline, AGI and GRF				
Disturbance of below-ground archaeological remains resulting from ground disturbance during the installation of the Gas Pipeline and Development Parcel A	Below Ground Remains	Minor/Moderate / - / P / D / LT	A programme of mitigation has been devised in consultation with the NYCC and includes a strip, map and record excavation to be undertaken prior to construction at the location of the AGI and a watching brief (archaeological monitoring) 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 and passing place at the Rusholme Lane area.	Following mitigation the significance of effect would be reduced to Negligible
Stage 2 – Operation of Unit X and Construction of Unit Y				
No significant effects identified				
Stage 3 – Operation of Units X and Y				
No significant effects identified				
Decommissioning				
No significant effects identified				

Key to table: + / - = Positive or Negative P / T = Permanent or Temporary, D / I = Direct or Indirect, ST / MT / LT = Short Term, Medium Term or Long Term N/A = Not Applicable

Table 18-4 Summary of Significant Effects Table for Chapter 9 (Biodiversity)

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
Stage 0 – Site Reconfiguration Works				
No significant effects identified				
Stage 1 – Construction of Unit X				
Disturbance from construction and site clearance	Habitats	Significant at a Local geographical scale Major / - / P / D / N/A	Areas retained and reinstated and compensation areas proposed to include new planting as per outline Landscape and Biodiversity Strategy to generate a net gain in biodiversity offsetting.	Significant at a Local geographical scale, Minor / - / P / D/ N/A
Disturbance from construction and site clearance	Foraging and Commuting Bats	Construction of Unit X: significant at Local geographical scale, Moderate / - / I / N/A	Embedded mitigation measures including the CEMP in place to control noise, vibration and visual disturbance and to manage the risk of pollution incidents and other hydrological impacts. Habitat reinstatement, creation and enhancement via the Landscape and Biodiversity Strategy.	Significant at a Local scale, Minor / - / P / D / N/A
Disturbance from construction and site clearance	Breeding and Wintering Birds	Construction of Unit X: Significant at up to District Geographical Scale, Moderate / - / P / I / LT	Embedded mitigation measures to prevent direct mortality to breeding and wintering birds. Areas retained and reinstated where possible and compensation areas proposed to include new planting as per outline Landscape and Biodiversity Strategy to generate a net gain in biodiversity offsetting.	Significant at up to a District scale, Minor / - / P / I / N/A

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
Disturbance from construction and site clearance	Reptile	Significant at up to District geographical scale, Moderate / - / P / D / N/A	Mitigation measures to prevent direct mortality to reptiles via the Landscape and Biodiversity Strategy. Areas retained where possible and compensation areas proposed to include new planting as per outline Landscape and Biodiversity Strategy to generate a net gain in biodiversity offsetting.	No significant effects
Disturbance from construction and site clearance	Invasive Non-native Species	Significant at up to Local geographical scale, Moderate / - / P / I / N/A	Measures to control the spread of non-native invasive plant species set out in the Landscape and Biodiversity Strategy.	No significant effects
Stage 2 – Operation of Unit X and Construction of Unit Y				
Disturbance from construction and site clearance	Foraging and Commuting Bats	Significant at Local geographical scale, Moderate / - / P / I / N/A	Areas subject to temporary removal will be reinstated and enhanced as per outline Landscape and Biodiversity Strategy. Enhancement will serve to ensure a net gain in biodiversity offsetting is achieved. Embedded mitigation measures including the CEMP in place to control noise, vibration and visual disturbance and to manage the risk of pollution incidents and other hydrological impacts	Significant at a Local scale, Minor / - / P / D / N/A

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
Disturbance from construction and site clearance	Breeding and Wintering Birds	Significant at District geographical scale Moderate / - / P / I / N/A	Areas subject to temporary removal will be reinstated and enhanced as per outline Landscape and Biodiversity Strategy. Enhancement will serve to ensure a net gain in biodiversity offsetting is achieved. Embedded mitigation measures including the CEMP in place to control noise, vibration and visual disturbance and to manage the risk of pollution incidents and other hydrological impacts	Significant at up to a District scale, Minor / - / P / I / N/A
Disturbance from construction and site clearance	Reptile	Significant at a Local geographical scale, Moderate / - / P / D / N/A	Areas retained where possible and compensation areas proposed to include new planting as per outline Landscape and Biodiversity Strategy to generate a net gain in biodiversity offsetting.	No significant effects
Stage 3 – Operation of Units X and Y				
No significant effects identified				
Decommissioning				
No significant effects identified				

Key to table: + / - = Positive or Negative P / T = Permanent or Temporary, D / I = Direct or Indirect, ST / MT / LT = Short Term, Medium Term or Long Term N/A = Not Applicable

Table 18-5 - Summary of Significant Effects Table for Chapter 10 (Landscape) Landscape Effects

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
Stage 0 – Reconfiguration Works				
Local landscape character	Combination of local landscape features	Moderate / - /P / D /LT	Reinstatement of planting not proposed until end of Stage 0 informed by the outline landscape and biodiversity strategy and mitigation plans.	Moderate / - / P/ D / LT
Stage 1 – Construction of Unit X				
Local landscape character	Combination of local landscape features	Moderate / - /P / D /LT	New planting where feasible informed by the outline landscape and biodiversity strategy and mitigation plans prior to reaching maturity.	Moderate / - / P / D / MT to LT
Stage 2 – Operation of Unit X and Construction of Unit Y				
Landscape Character	CT 23 Levels Farmland	Moderate / - /P / D /LT	None Proposed	Moderate / - / P / D /LT
Landscape Character	LCT 24 River Floodplain	Moderate / - /P / D /LT	None Proposed	Moderate / - / P / D /LT
Landscape Character	LCT4 River Corridors - LCA 4A Derwent Valley,	Moderate / - /P / D /LT	None Proposed	Moderate / - / P / D /LT
Landscape Character	LCT4 River Corridors 4B River Ouse Corridor	Moderate / - / P / D /LT	None Proposed	Moderate / - / P / D /LT
Landscape Character	LCT4 River Corridors -4D River Aire	Moderate / - / P / D /LT	None Proposed	Moderate / - / P / D /LT

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
Local Landscape Designation	Lower Derwent ILA	Moderate - major / - / P / D/ LT	None Proposed	Moderate - major / - / P / D / LT
Local landscape character	Combination of local landscape features	Moderate / - /P / D / LT	New planting where feasible informed by the outline landscape and biodiversity strategy and mitigation plans – mitigation works implemented during Stage 2	Moderate / - /P / D /MT to LT
Stage 3 – Operation of Units X and Y				
Landscape Character	CT 23 Levels Farmland	Moderate / - /P / D /LT	None Proposed	Year 0 and Year 15: Moderate / - / P / D /LT
Landscape Character	LCT 24 River Floodplain	Moderate / - /P / D/ LT	None Proposed	Year 0 and Year 15: Moderate / - / P / D / LT
Landscape Character	LCT4 River Corridors - LCA 4A Derwent Valley,	Moderate / - / P / D/ LT	None Proposed	Year 0 and Year 15: Moderate / - / P / D / LT
Landscape Character	LCT4 River Corridors 4B River Ouse Corridor	Moderate / - / P / D / LT	None Proposed	Year 0 and Year 15: Moderate / - / P / D / LT
Landscape Character	LCT4 River Corridors -4D River Aire	Moderate / - / P / D/ LT	None Proposed	Year 0 and Year 15: Moderate / - / P / D / LT
Local Landscape Designation	Lower Derwent ILA	Moderate - major / - / P / D / LT	None Proposed	Year 0 and Year 15: Moderate - major / - / P / D / LT
Local landscape character	New planting	Moderate / - / P / D / ST to LT	New planting where feasible informed by the outline landscape and biodiversity strategy and mitigation	Year 0: Moderate / - / P/ D LT Year 15: Minor / + / P / D /MT to LT

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
			plans. Mitigation works implemented during Stage 1 and 2.	
Decommissioning				
Landscape Character	CT 23 Levels Farmland	Moderate / - / T/ D / ST	None Proposed	Moderate / - / T / D / ST
Landscape Character	LCT 24 River Floodplain	Moderate / - / T/ D/ ST	None Proposed	Moderate / - / T / D / ST
Landscape Character	LCT4 River Corridors - LCA 4A Derwent Valley,	Moderate / - / T/ D/ ST	None Proposed	Moderate / - / T / D / ST
Landscape Character	LCT4 River Corridors 4B River Ouse Corridor	Moderate / - / T/ D/ ST	None Proposed	Moderate / - / T / D / ST
Landscape Character	LCT4 River Corridors -4D River Aire	Moderate / - / T/ D / ST	None Proposed	Moderate / - / T / D / ST
Local Landscape Designation	Lower Derwent ILA	Moderate - major / - / T / D / ST	None Proposed	Moderate - major / - / T / D / ST
Local landscape character	New tree, shrub, scrub and grassland planting contributing to local landscape character potentially lost	Moderate - major / - /P / D / MT	None proposed – loss of existing and potentially future planting	Moderate / - / T / D / ST - LT

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Table 18-6 - Summary of Significant Effects Table for Chapter 10 (Landscape) Visual Effects

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
Stage 0 – Reconfiguration Works				
Residents	Within 1 km radius of the site	Moderate - major / - / T / D / ST	None proposed	Moderate - major / - / T / D / ST
Stage 1 – Construction of Unit X				
Residents	Within 1 km radius of the site	Moderate - major / - / T/ D / ST	None proposed	Moderate - major / - / T/ D / ST
Residents	Between 1 & 3 km of the Site	Moderate - major / - / T/ D / ST	None proposed	Moderate - major - / T / D / ST
Recreational users (TPT and NCN)	Within 1 km radius of the site	Moderate - major / - / T/ D / ST	None proposed	Moderate - major / - / T / D / ST
Recreational users (PRoW / other facilities)	Within 1 km radius of the site	Moderate / - / T/ D / ST	None proposed	Moderate / - / T/ D / ST
Recreational users (TPT and NCN)	Between 1 & 3 km radius of the site	Moderate - major / - / T/ D / ST	None proposed	Moderate - major / - / T/ D / ST
Recreational users (PRoW / other facilities)	Between 1 & 3 km radius of the site	Moderate / - / T/ D / ST	None proposed	Moderate / - / T/ D / ST

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
Users of local road network	Within 1 km radius of the site	Moderate / - / T/ D / ST	None proposed	Moderate / - / T/ D / ST
Users of local road network	Between 1 & 3 km radius of the site	Moderate / - / T/ D / ST	None proposed	Moderate / - / T/ D / ST
Users of education facilities/ places of worship	Within 1 km radius of the site	Moderate / - / T/ D / ST	None proposed	Moderate / - / T/ D / ST
Stage 2 – Operation of Unit X and Construction of Unit Y				
Residents	Within 1 km radius of the site	Major and Moderate - Major / - / P / D / LT	Proposed planting associated with Wren Hall Lane to mitigate effects on immediate local receptors and planting adjacent to AGI – planting yet to mature informed by the outline landscape and biodiversity strategy and mitigation plans during Stage 1	Major and Moderate - Major / - / P / D / LT
Residents	Between 1 & 3 km of the Site	Moderate - major / - / P / D / LT	Planting adjacent to AGI during Stage 1 – planting yet to mature informed by the outline landscape and biodiversity strategy and mitigation plans	Moderate - major / - / P / D / LT
Recreational users (TPT and NCN)	Within 1 km radius of the site	Moderate - major / - / P / D / LT	Planting adjacent to AGI during Stage 1 – planting yet to mature informed by the outline landscape and biodiversity strategy and mitigation plans	Moderate - major / - / P / D / LT

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
Recreational users (TPT and NCN)	Between 1 & 3 km radius of the site	Moderate - major / - / P / D / LT	Planting adjacent to AGI during Stage 1 – planting yet to mature informed by the outline landscape and biodiversity strategy and mitigation plans	Moderate - major / - / P / D / LT
Recreational users of PRoW network and recreational facilities	Within 1 km radius of the site	Moderate - major and Moderate / - / P / D / LT	Planting adjacent to AGI during Stage 1 – planting yet to mature informed by the outline landscape and biodiversity strategy and mitigation plans	Moderate - major and moderate/ - / P / D / LT
Recreational users (PRoW / other facilities)	Between 1 & 3 km radius of the site	Moderate / - / P / D / LT	Reinstatement of Development Parcel A and proposed planting to screen GRF / compressor building off Wren Hall Lane / PRoW - planting yet to mature informed by the outline landscape and biodiversity strategy and mitigation plans during Stage 1 and 2	Moderate / - / P / D / LT
Users of local road network	Within 1 km radius of the site	Moderate - major and moderate / - / P / D / LT	Proposed mitigation along Wren Hall Lane, near AGI, east of GRF / compressor building and reinstatement of Development Parcel A to mitigate effects on immediate local receptors and planting yet to mature informed by the outline landscape and biodiversity strategy and mitigation plans during Stage 1 and 2	Moderate - major and moderate / - / P / D / LT
Users of local road network	Between 1 & 3 km	Moderate / - / P / D / LT	None proposed	Moderate / - / P / D / LT

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
	radius of the site			
Users of education facilities/ places of worship	Within 1 km radius of the site	Moderate / - / P / D / LT	None proposed	Moderate / - / P / D / LT
Stage 3 – Operation of Units X and Y				
Residents	Within 1 km radius of the site	Major and Moderate - Major / - / P / D / LT	Proposed mitigation along Wren Hall Lane and planting adjacent to AGI and reinstatement of Development Area A – planting yet to mature informed by the outline landscape and biodiversity strategy and mitigation plans during Stage 1 and 2.	Year 0: Major and Moderate - Major / - / P / D / LT Year 15: Major, Moderate –major and Minor - moderate / - / P / D / LT
Residents	Between 1 & 3 km of the Site	Moderate - major / - / P / D / LT	Planting adjacent to AGI during Stage 1 – planting yet to mature informed by the outline landscape and biodiversity strategy and mitigation plans	Year 0: Moderate - major / - / P / D / LT Year 15: Moderate – major, / - / P / D / LT
Recreational users (TPT and NCN)	Within 1 km radius of the site	Moderate - major / - / P / D / LT	Planting adjacent to AGI during Stage 1 – planting yet to mature informed by the outline landscape and biodiversity strategy and mitigation plans	Year 0: Moderate - major / - / P / D / LT Year 15: Moderate – major / - / P / D / LT
Recreational users (TPT and NCN)	Between 1 & 3 km	Moderate - major / - / P / D / LT	Planting adjacent to AGI during Stage 1 – planting yet to mature informed by the	Year 0: Moderate - major / - / P / D / LT

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
	radius of the site		outline landscape and biodiversity strategy and mitigation plans	Year 15: Moderate - major / - / P / D / LT
Recreational users (PRoW / other facilities)	Within 1 km radius of the site	Moderate - major and moderate / - / P / D / LT	Reinstatement of Development Parcel A and planting along Wren Hall Lane to screen GRF / compressor building - planting yet to mature informed by the outline landscape and biodiversity strategy and mitigation plans during Stage 1 and 2	Year 0: Moderate-major and moderate / - / P / D / LT Year 15: Moderate-major, Moderate and Minor / - / P / D / LT
Recreational users (PRoW / other facilities)	Between 1 & 3 km radius of the site	Moderate - major / - / P / D / LT	None Proposed – planting associated with the AGI would have matured	Year 0: Moderate - major / - / P / D / LT Year 15: Moderate and Minor / - / P / D / LT
Users of local road network	Within 1 km radius of the site	Moderate - major and moderate / - / P / D / LT	Proposed off site mitigation along Wren Hall Lane, near AGI, off Main Road and reinstatement of Development Parcel A to mitigate effects on immediate local receptors and planting yet to mature informed by the outline landscape and biodiversity strategy and mitigation plans during Stage 1 and 2	Year 0: Moderate - major and moderate / - / P / D / LT Year 15: Moderate – major, Moderate and Minor / - / P / D / LT
Users of local road network	Between 1 & 3 km radius of the site	Moderate / - / P / D / LT	None proposed	Year 0: Moderate / - / P / D / LT Year 15: Moderate and Minor / - / P / D / LT

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
Users of education facilities/ places of worship	Within 1km radius of the site	Moderate / - / P / D / LT	None proposed	Year 0: Moderate / - / P / D / LT Year 15: Moderate / - / P / D / LT
Decommissioning				
Residents	Within 1 km radius of the site	Moderate - major / - / T/ D / ST	None proposed	Moderate - major / - / T/ D / ST
Residents	Between 1 & 3 km of the Site	Moderate - major / - / T/ D / ST	None proposed	Moderate - major / - / T/ D / ST
Recreational users (TPT and NCN)	Within 1 km radius of the site	Moderate - major / - / T/ D / ST	None proposed	Moderate - major / - / T/ D / ST
Recreational users (PRoW / other facilities)	Within 1 km radius of the site	Moderate / - / T/ D / ST	None proposed	Moderate / - / T/ D / ST
Recreational users (TPT and NCN)	Between 1 & 3 km radius of the site	Moderate - major / - / T/ D / ST	None proposed	Moderate - major / - / T/ D / ST
Recreational users (PRoW / other facilities)	Between 1 & 3 km radius of the site	Moderate / - / T/ D / ST	None proposed	Moderate / - / T/ D / ST

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
Users of local road network	Within 1 km radius of the site	Moderate / - / T/ D / ST	None proposed	Moderate / - / T/ D / ST
Users of local road network	Between 1 & 3 km radius of the site	Moderate / - / T/ D / ST	None proposed	Moderate / - / T/ D / ST
Users of education facilities/ places of worship	Within 1 km radius of the site	Moderate / - / T/ D / ST	None proposed	Moderate / - / T/ D / ST

Key to table: + / - = Positive or Negative P / T = Permanent or Temporary, D / I = Direct or Indirect, ST / MT / LT = Short Term, Medium Term or Long Term N/A = Not Applicable

Table 18-7 - Summary of Significant Effects Table for Chapter 12 (Water Resources, Quality and Resources)

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
Stage 0 – Reconfiguration Works				
Pollution from dust and debris	Unnamed drain along the eastern side of New Road, Carr Lane Drain, unnamed drain reference 18/4 on the Selby Area IDB plan	Minor / -/ T / I / ST		Minor / -/ T / I / ST
Loss of habitat	North Perimeter Ditch	Minor / - / T / D / LT		Minor / - / T / D / LT After few years – No residual effect
Stage 1 – Construction of Unit X				
Pollution from spillages of oils, hydrocarbons and hazardous substances	River Ouse	Minor / -/ T / I / ST		Minor / -/ T / I / ST
Pollution from spillages of oils, hydrocarbons and hazardous substances	Unnamed IDB's drains reference 16/1, 18/3, 18/4, 44, Carr Lane Drain, Dickon Field Drain, Clough Drain, unnamed drain north of cooling towers	Minor / - / T / D / ST		Minor / - / T / D / ST
Pollution from spillages of oils, hydrocarbons and hazardous substances	Carr Dyke	Minor / - / T / ID / ST		Minor / - / T / ID / ST

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
Increased sediment load	Unnamed IDB's drains reference 16/1, 18/3, 18/4, 44, Carr Lane Drain, Dickon Field Drain, Clough Drain, unnamed drain north of cooling towers	Minor / - / T / D / ST		Minor / - / T / D / ST
Increased sediment load	River Ouse	Minor / - / T / ID / ST		Minor / - / T / ID / ST
Increased sediment load	Back Lane Drain, the IDB's unnamed drain reference 18/1, Rusholme Lane Drain	Minor / - / T / D / ST		Minor / - / T / D / ST
Increased sediment load	Carr Dyke	Minor / - / T / ID / ST		Minor / - / T / ID / ST
Stage 2 – Operation of Unit X and construction of Unit Y				
Pollution from spillages of oils, hydrocarbons and hazardous substances	River Ouse	Minor / -/ T / I / ST		Minor / -/ T / I / ST
Pollution from spillages of oils, hydrocarbons and hazardous substances	Unnamed IDB's drains reference 16/1, 18/3, 18/4, 44, Carr Lane Drain, Dickon Field Drain, Clough Drain, unnamed drain north of cooling towers	Minor / - / T / D / ST		Minor / - / T / D / ST
Pollution from spillages of oils, hydrocarbons and	Carr Dyke	Minor / - / T / ID / ST		Minor / - / T / ID / ST

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
hazardous substances				
Increased sediment load	Unnamed IDB's drains reference 16/1, 18/3, 18/4, 44, Carr Lane Drain, Dickon Field Drain, Clough Drain, unnamed drain north of cooling towers	Minor / - / T / D / ST		Minor / - / T / D / ST
Increased sediment load	River Ouse	Minor / - / T / ID / ST		Minor / - / T / ID / ST
Increased sediment load	Back Lane Drain, the IDB's unnamed drain reference 18/1, Rusholme Lane Drain	Minor / - / T / D / ST		Minor / - / T / D / ST
Increased sediment load	Carr Dyke	Minor / - / T / ID / ST		Minor / - / T / ID / ST
Impacts to catchment hydrology caused by changes to subsurface flows	Secondary A Aquifer - superficial deposits.	Minor / - / T / D / ST		Negligible / - / T / D / ST
Stage 3 – Operation of Units X and Y				
Loss of habitat	North Perimeter Ditch	Minor / - / T / D / LT		Minor / - / T / D / LT After few years – No residual effect
Decommissioning				
Pollution from dust and debris	Unnamed drain along the eastern side of New Road, Carr Lane Drain, unnamed	Minor / -/ T / I / ST		Minor / -/ T / I / ST

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
	drain reference 18/4 on the Selby Area IDB plan			

Key to table: + / - = Positive or Negative P / T = Permanent or Temporary, D / I = Direct or Indirect, ST / MT / LT = Short Term, Medium Term or Long Term N/A = Not Applicable

Table 18-8 - Summary of Significant Effects Table for Chapter 14 (Socio-economics)

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
Stage 0 – Reconfiguration Works				
Generation of direct employment opportunities	Economic receptors (local level)	Minor to moderate / + / T / MT / D	Employment and Skills Plan will be implemented to ensure that benefits are generated within local communities. This will set out agreed outputs with SDC and ERoY Council.	Minor to moderate / + / T / MT / D
Stage 1 – Construction of Unit X				
Generation of direct employment opportunities	Economic receptor (local)	Minor to moderate / + / T / MT / D	Employment and Skills Plan will be implemented to ensure that benefits are generated within local communities. This will set out agreed outputs with SDC and ERoY Council.	Minor to moderate / + / T / MT / D
Changes in accessibility and amenity	Community receptor	Moderate / - / T / MT / D	Liaison with local parish councils and provision of clear signage for diverted routes.	Minor / - / T / MT / D

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
value of Public Rights of Way				
Stage 2 – Construction of Unit Y				
Generation of direct employment opportunities	Economic receptor (local)	Minor to moderate / + / T / MT / D	Employment and Skills Plan will be implemented to ensure that benefits are generated within local communities. This will set out agreed outputs with SDC and ERoY Council.	Minor to moderate / + / T / MT / D
Stage 3 – Operation of Unit X and Y				
No significant effects identified				

Key to table: + / - = Positive or Negative P / T = Permanent or Temporary, D / I = Direct or Indirect, ST / MT / LT = Short Term, Medium Term or Long Term N/A = Not Applicable

Table 18-9 - Summary of Significant Effects Table for Chapter 16 (Climate)

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
Stage 0, 1 and 2 – Reconfiguration Works, Construction of Unit X and Y				
No significant effects identified				
Stage 2 and 3 – Operation of Unit X and Y				
GHG emissions due to operation (electricity generation)	All global human and natural systems	Absolute (total) GHG emissions: Major / - / P / D / LT	The Proposed Scheme includes the potential for Drax to be connected to any future Carbon Capture and Storage (CCS) scheme. If CCS	Absolute (total) GHG emissions: Major / - / P / D / LT

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
contribute to climate change		GHG emissions intensity of generation: Moderate / + / P / D / LT	technology is shown to be feasible in future, the operational emissions of the Proposed Scheme could be captured and stored and therefore their contribution to climate change avoided.	GHG emissions intensity of generation: Moderate / + / P / D / LT

Key to table: + / - = Positive or Negative P / T = Permanent or Temporary, D / I = Direct or Indirect, ST / MT / LT = Short Term, Medium Term or Long Term N/A = Not Applicable

Table 18-10 - Summary of Significant Effects Table for Chapter 17 (Cumulative Effects)

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
Stage 0 - Reconfiguration Works				
No significant effects identified				
Stage 1 - Construction of Unit X and Stage 2 - Construction of Unit Y				
Views associated with the demolition of the Eggborough Power Station and construction of stacks associated with Eggborough Power Station CCGT, the installation of the proposed building at the St Gobian factory site and beyond stacks associated with Ferrybridge D CCGT. There may be distant views across to the construction of stacks associated with Knottingley CCGT and more immediate views of the erection of 40MW 7.5 m high battery energy storage barn which lies close to the AGI and would be noticeable within a very flat landscape. Views would not alter the depth of field but would alter the visual composition.	Recreational users using the TPT / NCN and PRoW Network within 1-15 km of the Proposed Scheme	Moderate - major / - / T / I / MT	N/A	Moderate -major / - / T / I / MT
Views which may be experienced by users are of the construction of the Thorpe Marsh Pipeline, the demolition of Eggborough Power Station and construction of proposed CCGT, St Gobian factory site. There may be views across to the construction of stacks associated with Knottingley CCGT and Ferrybridge CCGTs. The proposed	Local residents between 3-15 km of the Proposed Scheme	Moderate-major /- / T / /I / LT	N/A	Moderate-major /-/ T / I / LT

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
development would not alter the depth of field, however the visual composition will change within a small proportion of the overall view. Users would be in closer proximity to some of the other major developments with the Proposed Scheme seen at a distance. Views of the 40MW 7.5 m high battery energy storage barn would not be discernible due to intervening vegetation / built form.				
Stage 3 – Operation of Units X and Y				
Views which may be experienced by users are of the construction of the Thorpe Marsh Pipeline, the demolition of Eggborough Power Station and construction of proposed CCGT, St Gobian factory site. There may be views across to the construction of stacks associated with Knottingley CCGT and Ferrybridge CCGTs. The proposed development would not alter the depth of field, however the visual composition will change within a small proportion of the overall view. Users would be in closer proximity to some of the other major developments with the Proposed Scheme seen at a distance.	Local residents between 1-15 km of the Proposed Scheme	Moderate - major / - / P / I / LT	N/A	Moderate -major / - / P / I / LT

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
Views of the 40MW 7.5 m high battery energy storage barn would not be discernible due to intervening vegetation / built form.				
Views associated with the demolition of the Eggborough Power Station and construction of stacks associated with Eggborough Power Station CCGT, the installation of the proposed building at the St Gobian factory site and beyond stacks associated with Ferrybridge D CCGT. There may be distant views across to the construction of stacks associated with Knottingley CCGT and more immediate views of the erection of 40MW 7.5 m high battery energy storage barn which lies close to the AGIs and would be noticeable within a very flat landscape. Views would not alter the depth of field but would alter the visual composition.	Recreational users using the TPT / NCN and PRoW Network within 1-15 km of the Proposed Scheme	Moderate-major/ - / P / I / LT	N/A	Moderate- major / - / P / I / LT
Decommissioning				
Views which may be experienced by users are of the construction of the Thorpe Marsh Pipeline, the demolition of Eggborough Power Station and construction of proposed CCGT, St Gobian factory site. There may be views across to the construction of stacks associated with Knottingley CCGT and Ferrybridge CCGTs. The proposed development would not alter the depth of field,	Local residents between 1-15 km of the Proposed Scheme	Moderate-major - / P / I / LT	N/A	Moderate-major - / P / I / LT

Description of Effects	Receptor	Significance and Nature of Effects Prior to Mitigation / Enhancement	Summary of Mitigation / Enhancement	Significance and Nature of Effects Following Mitigation / Enhancement (Residual)
however the visual composition will change within a small proportion of the overall view. Users would be in closer proximity to some of the other major developments with the Proposed Scheme seen at a distance. Views of the 40MW 7.5 m high battery energy storage barn would not be discernible due to intervening vegetation / built form.				
Views associated with the demolition of the Eggborough Power Station and construction of stacks associated with Eggborough Power Station CCGT, the installation of the proposed building at the St Gobian factory site and beyond stacks associated with Ferrybridge D CCGT. There may be distant views across to the construction of stacks associated with Knottingley CCGT and more immediate views of the erection of 40MW 7.5 m high battery energy storage barn which lies close to the AGIs and would be noticeable within a very flat landscape. Views would not alter the depth of field but would alter the visual composition.	Recreational users using the TPT / NCN and PRoW Network within 1-15 km of the Proposed Scheme	Moderate-major - / P / I / LT	N/A	Moderate-major - / P / I / LT

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