ENVIRONMENTAL STATEMENT – VOLUME 3 – APPENDIX 13.1

Effects that have been Determined to be Not Significant

Drax Bioenergy with Carbon Capture and Storage

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

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TABLES

1. EFFECTS THAT HAVE BEEN DETERMINED TO BE NOT SIGNIFICANT

1.1.1. As set out in **Table 13.15** of **Section 13.9** (Preliminary Assessment of Likely Impacts and Effects) of **Chapter 13 (Materials and Waste)** (document reference 6.1.13), receptors identified as experiencing no change (neutral), or slight effects as a result of the Proposed Scheme are reported in **Table 1.1** below, rather than in the ES.

Table 1.1 – Effects that have been determined to be not significant

Resource / Receptor	Sensitivity of Receptor	Magnitude of Impact	Effect	Significance of Effect
Construction Phase				
Consumption of natural, non-renewable resources	**Low** Key materials required for construction of the Proposed Scheme are forecast to be generally free from known issues regarding supply and stock; and materials are available comprising some sustainable features and benefits compared to industry-standard materials.	**Minor** The consumption of ready-mix concrete, as illustrated in Table 13.17 of the ES, is between 1-5% by volume of the regional baseline availability.	**Slight Adverse** Based on comparing sensitivity and magnitude within the matrix provided in Table 13.7 of the ES.	**Not Significant** Effects classified as slight are considered to be not significant.
Reduction in hazardous waste landfill capacity in England due to the generation and disposal to landfill of hazardous waste	**Low** National hazardous landfill void capacity is expected to reduce minimally: by <0.1% as a result of hazardous wastes forecast.	**Minor** Based on the scale and nature of the Proposed Scheme, it is not likely that hazardous waste generated during construction will reduce regional landfill void capacity by more than 0.5% of remaining capacity (78,000 m^3). Hazardous waste generated will reduce national landfill void capacity baseline by <0.5%.	**Slight Adverse** Based on comparing sensitivity and magnitude within the matrix provided in Table 13.7 of the ES.	**Not Significant** Effects classified as slight are considered to be not significant.
Operational Phase				
Reduction in landfill capacity in the Yorkshire and Humber region due to the generation and disposal to landfill of non-hazardous waste	**Very High** Overall, the baseline sensitivity for landfill capacity is determined to be very high due to an expected reduction of regional landfill void capacity (in the absence of any future provision) of >10%.	**Negligible** The volume of non-hazardous operational waste is estimated to be 1,380 m^3 per annum. Therefore, it is not likely that non-hazardous waste generated by the Proposed Scheme will reduce regional landfill void capacity by more than 1% of remaining capacity (58,000 m^3 / 72,500 tonnes). Non-hazardous waste generated will reduce regional landfill void capacity baseline by <1%.	**Slight Adverse** Based on comparing sensitivity and magnitude within the matrix provided in Table 13.7 of the ES.	**Not Significant** Effects classified as slight are considered to be not significant.

Resource / Receptor	Sensitivity of Receptor	Magnitude of Impact	Effect	Significance of Effect
Reduction in national hazardous waste landfill capacity due to the generation and disposal to landfill of hazardous waste	**Low** National hazardous landfill void capacity is expected to reduce minimally: by <0.1% as a result of hazardous wastes forecast.	**Negligible** The volume of hazardous operational waste is estimated to be 11,213 m^3 per annum. Therefore, it is not likely that hazardous waste generated by the Proposed Scheme will reduce regional landfill void capacity by more than 0.1% of remaining capacity (15,600 m^3). Hazardous waste generated will reduce national landfill void capacity baseline by <0.1%.	**Slight Adverse** Based on comparing sensitivity and magnitude within the matrix provided in Table 13.7 of the ES.	**Not Significant** Effects classified as slight are considered to be not significant.