



ENVIRONMENTAL STATEMENT – VOLUME 3 – APPENDIX 11.3

Table of 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 – (5(2)(a))

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1. EFFECTS THAT HAVE BEEN DETERMINED TO BE NOT SIGNIFICANT

- 1.1.1. As set out in **section 11.9 (Preliminary Assessment of Likely Impacts and Effects)** of **Chapter 11 (Ground Conditions)** (document reference 6.1.11), receptors identified as experiencing no change, negligible or minor effects as a result of the Proposed Scheme are reported in **Table 1.1** below rather than in the ES chapter.

Table 1.1 – Effects Identified as Insignificant – Construction Phase

Resource / Receptor	Sensitivity of Receptor	Effect	Magnitude of Impact	Significance of Effect
Human Health: Site Users / Workers	Medium	Effect on site users / workers from potential contamination within the underlying soils / groundwater	Minor adverse — the works on the Drax Power Station Site are considered unlikely to expose site users / workers to contaminative substances.	Slight adverse
Human Health: Third Party Neighbours	Medium	Effect on third party neighbours from potential contamination within underlying soils / groundwater during construction activities	Minor adverse — the works on the Drax Power Station Site are considered unlikely to expose third party neighbours (e.g., local residents or users of adjacent land) to contaminative substances.	Slight adverse
Building Structures and Below Ground Services	Medium	Effect on building structures and below ground services (including water supply pipes) from potential contamination within the underlying soils / groundwater	Minor adverse — Potential contamination within underlying soils and groundwater may adversely affect building materials and below ground services.	Slight adverse

Table 1.2 - Effects Identified as Insignificant – Operational Phase

Resource / Receptor	Sensitivity of Receptor	Effect	Magnitude of Impact	Significance of Effect
Human Health: Site Users / Workers	Medium	Effect on site users/workers from potential contamination within the underlying soils / groundwater	No change — the works on the Drax Power Station Site are considered unlikely to expose site users / workers to contaminative substances during operation. All operational activities will be regulated through variation of the existing Environmental Permitting Regulations (Tertiary Mitigation) and under the effective implementation of an environmental management system certified, to ISO14001:2015. Drax will submit a separate application for a variation to the existing Environment Permit, EPR/VP3530LS, for the Power Station. This will be developed in parallel to the DCO Application and submitted to the EA at the same time, or shortly after, the DCO Application is submitted to PINS.	Neutral
Human Health: Third Party Neighbours	Medium	Effect on third party neighbours from potential contamination within underlying soils / groundwater during operation activities	No change — the works on the Drax Power Station Site are considered unlikely to expose third party neighbours (e.g. local residents or users of adjacent land) to contaminative substances. All operational activities will be regulated through variation of the existing Environmental Permitting Regulations (Tertiary Mitigation) and under the effective implementation of an environmental management system certified, to ISO14001:2015. Drax will submit a separate application for a variation to the existing Environment Permit, EPR/VP3530LS, for the Power Station. This will be developed in parallel to the DCO Application and submitted to the EA at the same time, or shortly after, the DCO Application is submitted to PINS.	Neutral

Resource / Receptor	Sensitivity of Receptor	Effect	Magnitude of Impact	Significance of Effect
Controlled Waters: Groundwater	High	Effect to controlled waters / GWTDE during operational activities.	No change — All operational activities will be regulated through variation of the existing Environmental Permitting Regulations (Tertiary Mitigation) and under the effective implementation of an environmental management system certified, to ISO14001:2015. Drax will submit a separate application for a variation to the existing Environment Permit, EPR/VP3530LS, for the Power Station. This will be developed in parallel to the DCO Application and submitted to the EA at the same time, or shortly after, the DCO Application is submitted to PINS.	Neutral
Controlled Waters: Surface Water	High	Effect to controlled waters / GWTDE during operational activities.		Neutral
Controlled Waters: GWDTE	High	Effect to controlled waters / GWTDE during operational activities.		Neutral
Building Structures and Below Ground Services	Medium	Effect on building structures and below ground services (including water supply pipes) from potential contamination impacting soils / groundwater during operational activities	No change —appropriate construction materials (such as concrete classification) will be selected prior to construction. All operational activities will be regulated through variation of the existing Environmental Permitting Regulations (Tertiary Mitigation) and under the effective implementation of an environmental management system certified, to ISO14001:2015. Drax will submit a separate application for a variation to the existing Environment Permit, EPR/VP3530LS, for the Power Station. This will be developed in parallel to the DCO Application and submitted to the EA at the same time, or shortly after, the DCO Application is submitted to PINS.	Neutral
Agricultural Land	High	Effect on agricultural land from operational activities	Negligible adverse — Operational activities will not require the use of agricultural land and is unlikely to affect surround soil quality causing degradation of BMV land. A small area of the Habitat Provision Area will be permanently used for ecological mitigation, removing it from agricultural use however this is reversible as the land could be returned to agricultural use and therefore is considered to be negligible adverse.	Slight adverse

Resource / Receptor	Sensitivity of Receptor	Effect	Magnitude of Impact	Significance of Effect
			All operational activities will be regulated through variation of the existing Environmental Permitting Regulations (Tertiary Mitigation) and under the effective implementation of an environmental management system certified, to ISO14001:2015. Drax will submit a separate application for a variation to the existing Environment Permit, EPR/VP3530LS, for the Power Station. This will be developed in parallel to the DCO Application and submitted to the EA at the same time, or shortly after, the DCO Application is submitted to PINS.	

Table 1.3 - Effects Identified as Insignificant – Decommissioning Phase

Resource / Receptor	Sensitivity of Receptor	Effect	Magnitude of Impact	Significance of Effect
Human Health: Site Users / Workers	Medium	Effect on site users/workers from potential contamination within the underlying soils / groundwater	Minor adverse — the decommissioning works are considered unlikely to expose site users / workers to contaminative substances. A Site Condition Report (and associated activities) would be completed as part of the surrender of the Environmental Permit.	Slight adverse
Human Health: Demolition Workers	Medium	Effect on demolition workers from potential contamination within the underlying soils / groundwater	No change — it is assumed the decommissioning phase will be undertaken in accordance with all relevant legislation, guidance and best practice which will preclude adverse impacts to demolition workers. A Site Condition Report (and associated activities) would be completed as part of the surrender of the Environmental Permit.	Neutral
Human Health: Third Party Neighbours	Medium	Effect on third party neighbours from potential contamination within underlying soils / groundwater during decommissioning activities	Minor adverse — the decommissioning works are considered unlikely to expose third party neighbours (e.g., local residents or users of adjacent land) to contaminative substances.	Slight adverse
Controlled Waters: Groundwater	High	Effect to controlled waters / GWDTE during decommissioning activities.	Negligible adverse — the decommissioning works are considered unlikely to expose controlled waters / GWDTE to contaminative substances. A Site Condition Report (and associated activities) would be completed as part of the surrender of the Environmental Permit.	Slight adverse

Resource / Receptor	Sensitivity of Receptor	Effect	Magnitude of Impact	Significance of Effect
Controlled Waters: Surface Water	High	Effect to controlled waters / GWDTE during decommissioning activities.		Slight adverse
Controlled Waters: GWDTE	High	Effect to controlled waters / GWDTE during decommissioning activities.		Slight adverse
Building Structures and Building Services	Medium	Effect on building structures from during decommissioning phase	No change —building structures and services will be removed during decommissioning phase	Neutral
Agricultural Soil	High	Effect on soil quality from decommissioning activities	No change — no loss or degradation of BMV land is anticipated during the decommissioning phase.	Neutral