

18.1 CUMULATIVE EFFECTS: SUPPLEMENTARY CHAPTER

- 18.1 This supplementary Chapter concludes the overall cumulative effects of the Project resulting from the additional assessment and analysis work undertaken for this Regulation 22 submission. Table 18a below replaces Table 17a contained in ES Chapter 17: Cumulative Effects. In addition, the Non-Technical Summary includes a short description of the effects for *all* environmental issues contained within the ES and this Further Information Document.

Table 18a: Cumulative Effects of Individual Topics of the Project

ES Topic	<u>Overall</u> Environmental Effect of Project	Comments
Planning Policy	NA	The Project is in accordance with National and Regional Planning guidance and the Submission Version of the Draft Core Strategy.
Socio Economics	Significant Beneficial	The Project would provide jobs, housing, schools and a broad range of community benefits for the new community and the wider area.
Landscape and Visual Resources	Slight to Moderate Beneficial	Although the site falls within a green field landscape it is not exceptional or protected. The Project would be relatively well contained visually and includes a substantial framework of GI including existing woodland, many of the hedgerows and mature trees, new woodland planting, open space and recreation grounds.
Ecological Resources (including Arboriculture)	Significant Beneficial	Appropriate mitigation approaches have been adopted. The Project's significant GI of more than 50% of the Project area would ensure that the site's biodiversity is significantly enhanced.
Cultural Heritage and Archaeology	Moderate Adverse	Slight adverse effect on the setting of the Scheduled Monuments within and in the vicinity of the Project site and upon the listed buildings near to the area. Moderate adverse effect upon potential archaeological remains and upon the historic landscape as a result of some ancient hedgerow loss.
Agricultural Land Quality	Moderate-Major Adverse	The Project would result in the loss of 300 ha agricultural land, although this is mainly sub-grade 3b land with some sub-grade 3a and grade 2. At least four farm businesses would be affected.

Water, Hydrology and Drainage	Negligible-Moderate Beneficial	An appropriate Sustainable Drainage Strategy as part of the GI is promoted which would attenuate surface water discharge from the Project.
Noise and Vibration/Acoustics	Negligible	Appropriate measures have been introduced to mitigate areas of the Project potentially sensitive to noise and vibration, both from existing sources and those resulting from the Project itself.
Air Quality	Negligible	At worst there would be a minor adverse-minor beneficial effect from passing traffic emissions (NO ₂ concentrations). Overall, there are no significant adverse effects on air quality arising from the Project.
Waste	Slight Adverse	The Project would be built to current standards. Target standards would be implemented as well as appropriate mitigation.
Traffic and Transport	Slight Adverse	The Project includes highway improvements and accessibility measures to mitigate the effects of the development proposals. A Framework Plan would be provided to encourage a reduction in employee's car journeys. A residential travel pack would be issued to all residents. There would be provision of public transport system, new footways and cycleways.
Infrastructure and Services	Negligible	The Project introduces appropriate infrastructure and services to serve the new development.
Geodiversity	Negligible with potential to become beneficial	The Project would incorporate the required stand-off distance from Enderby Warren SSSI and the British Geological Survey (BGS) would be contacted for guidance should any additional geological features be exposed during construction works.

Cumulative Effects arising from the New Lubbesthorpe Project and other Projects

18.2 The Scoping Report (refer to ES Volume 2, Appendix 1B) requested that Blaby District Council identify projects which they consider should be assessed in terms of cumulative effects. Proposals for Sustainable Urban Extensions at both Barwell and Earl Shilton (on the A47) form part of the Hinckley and Bosworth Core Strategy, Adopted December 2009. Potential cumulative effects that may arise as a result of these projects, in respect of New Lubbesthorpe, are considered within the ES and within the replacement/new chapters contained within this Further Information Document.

18.3 The Regulation 22 (refer to Appendix 1A) requests that other committed and recently completed development schemes in the Junction 21 (M1) area, in addition to the proposed

SUE's at Barwell and Earl Shilton, should also be considered in terms of cumulative light; noise; air quality; and transport effects. The schemes identified by Blaby District Council for consideration in this respect are identified at Figure 16 of the supplementary Transport Assessment and listed below:-

- Development at Grove Park;
- Development at Meridian Business Park;
- Development at Thorpe Astley;
- Audi garage, Narborough Road South;
- Sainsbury's, Grove Park Triangle;
- Next car park;
- Oak Spinney Park, Ratby Lane;
- Taylor Wimpey Development, west of Beggar's Lane;
- St John's, Enderby; and
- Glenfield Park.

18.4 These developments are considered within the relevant chapters (6: Landscape Character and Visual Resources; 12: Noise and Vibration/Acoustics; 13: Air Quality; and 15: Traffic and Transport) of this Further Information Document.

18.5 On the assumption that each project would seek to mitigate for any significant adverse effects through a well-considered design response, and given the limited available published information on the potential environmental effects arising from these projects, the cumulative effects coming forward in conjunction with New Lubbesthorpe, is not considered to have a significant adverse effect on the environmental resource.