

CALDECOTE FARM

NEWPORT PAGNELL · MILTON KEYNES

APPENDIX 11

ENVIRONMENTAL STATEMENT

LIGHTING

APPENDIX 11.4

ASSESSMENT OF LIGHTING EFFECTS

APPENDIX 11.4 – ASSESSMENT OF LIGHTING EFFECTS

Table 11.4.1 Lighting effects during construction, with a Construction Environmental Management Plan (CEMP) implemented

Receptor	Shortest distance to construction lighting	Sensitivity	Magnitude of change	Significance of effect	Description
Rural residential properties with short range views towards the Application Site, e.g. properties in Glen Fields (A)	75 m +	Medium	Small	Minor Adverse	The CEMP will ensure that effects (1), (2) and (3) will be nil and that the change in (4) is limited to small. Changes to (5) will be negligible.
Rural residential properties with medium range views towards the Application Site, e.g. Caldecote Cottage and Moat Cottage (B)	300 m +	High	Small	Minor Adverse	Only visual effects (types 4 and 5) are relevant, due to distance. Construction lighting will slightly increase the existing local sky glow and some individual light sources may be visible.
Rural residential properties with distant views towards the Application Site, e.g. 27 London Road (B)	1.2 km +	High	Small	Minor Adverse	Only visual effects (types 4 and 5) are relevant, due to distance. Construction lighting will slightly increase the existing local sky glow and some individual light sources may be visible.
Suburban residential properties with views towards the S Application site – Tabard Gardens is nearest (B)	150 m +	Medium	Small	Minor Adverse	Only visual effects (types 4 and 5) are relevant, due to distance. Construction lighting will slightly increase the existing local sky glow and some individual light sources may be visible.
Road users on M1 motorway, A422 Monks Way and Willen Road (D)	Adjacent	Medium	Negligible	Negligible	Hazardous effects (type 7) will be avoided through application of the CEMP.
Night sky views from dark locations (E)	—	—	—	Negligible	The only reasonable views of the night sky are from rural locations that are far enough away to remain unaffected by construction lighting.
Ecology – M1 Wildlife Corridor, new habitat corridors adjacent to A422 Monks Way and Willen Road (F)	Adjacent	High	Negligible	Negligible	Adverse effects will be mitigated by adherence to the specific requirements of the CEMP.

Table 11.4.2 Lighting effects during operation, with the Lighting Strategy (Appendix 11.2) implemented

Receptor	Shortest distance to operational lighting	Sensitivity	Magnitude of change	Significance of effect	Description
Rural residential properties with short range views towards the Application Site, e.g. properties in Glen Fields, also the nearest properties within Bloor Homes' Willen Road development (A)	75 m +	Medium	Medium	Minor Adverse	<p>The Lighting Strategy will ensure that effects (1), (2) and (3) will be nil.</p> <p>Road lighting along Willen Road is already visible in views towards the Application Site. Existing natural screening in combination with proposed planting will limit the change in (4) to medium. Changes to (5) will be perceptible but small.</p> <p>Over time, new planting will reduce effects to negligible for this group of receptors.</p>
Rural residential properties with medium range views towards the Application Site, e.g. Caldecote Cottage and Moat Cottage (B)	300 m +	High	Small	Minor Adverse	<p>Only visual effects (types 4 and 5) are relevant, due to distance. The Proposed Development will slightly increase the existing local sky glow and some individual light sources may be visible.</p>
Rural residential properties with distant views towards the Application Site, e.g. 27 London Road (B)	1.2 km +	High	Small	Minor Adverse	<p>Only visual effects (types 4 and 5) are relevant, due to distance. The Proposed Development will slightly increase the existing local sky glow and some individual light sources may be visible.</p>
Suburban residential properties with views towards the Application Site – Tabard Gardens is nearest (B)	150 m +	Medium	Small	Minor Adverse	<p>Only visual effects (types 4 and 5) are relevant, due to distance. The Proposed Development will slightly increase the existing local sky glow and some individual light sources may be visible.</p>
Road users on M1 motorway, A422 Monks Way and Willen Road (D)	Adjacent	Medium	Negligible	Negligible	<p>Hazardous effects (type 7) will be avoided through appropriate lighting design.</p>
Night sky views from dark locations (E)	—	—	—	Negligible	<p>The only reasonable views of the night sky are from rural locations that are far enough away to remain unaffected by the Proposed Development.</p>
Ecology – M1 Wildlife Corridor, new habitat corridors adjacent to A422 Monks Way and Willen Road (F)	Adjacent	High	Negligible	Negligible	<p>The layout of the Proposed Development will ensure that no significant lighting is needed in the vicinity of these locations. Nevertheless, adherence to the specific requirements of the Lighting Strategy will ensure that adverse effects will be negligible.</p>