

Gate Burton Energy Park

Preliminary Environmental Information Report

Volume 3, Appendix 11-E: Non-significant Effects

June 2022

Gate Burton Energy Park Limited

Quality information

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11 Non-significant Effects

11.1.1 A summary of non-significant effects is provided in Table 11-1.

Table 11-1 Summary of Non-significant Effects

Receptor	Receptor Type	Description of Impact	Effect Category
All receptors	Residential and non-residential	Construction and decommissioning noise	Below SOAEL
All receptors	Residential and non-residential	Construction and decommissioning vibration	Below SOAEL
All receptors	Residential and non-residential	Construction and decommissioning traffic noise	Negligible to Minor Adverse
R1-R5, R7-R14, R15, R16, R19-R22	Residential	Operational noise from central inverters	Below SOAEL

11.2 Non-significant Residual Effects

11.2.1 A summary of non-significant residual effects is presented in Table 11-2 for the construction phase and Table 11-3 for the operational phase.

Table 11-2 Summary of Non-significant Residual Effects (Construction and Decommissioning)

Receptor	Description of impact	Significance of effect without mitigation	Mitigation/Enhancement measure	Residual effect after mitigation
All receptors	Construction and decommissioning noise	Below SOAEL – not significant	Embedded mitigation	Below SOAEL – not significant
All receptors	Construction and decommissioning vibration	Below SOAEL – not significant	Embedded mitigation	Below SOAEL – not significant
All receptors	Construction and decommissioning traffic noise	Negligible to Minor Adverse	None	Negligible to Minor Adverse – not significant

Table 11-3 Summary of Non-significant Residual Effects (Operation)

Receptor	Description of impact	Significance of effect without mitigation	Mitigation/Enhancement measure	Residual effect after mitigation
R1-R5, R7-R14, R15, R16, R19-R22	Operational noise	Below SOAEL – not significant	Embedded mitigation	Below SOAEL – not significant
R6, R15, R18	Operational noise	Exceeds SOAEL	Potential level of mitigation to be quantified in the ES from: Design of layout Screening	Below SOAEL – not significant

Receptor	Description of impact	Significance of effect without mitigation	Mitigation/Enhancement measure	Residual effect after mitigation
			Quieter plant	