

The Sizewell C Project

Volume 10 Project-Wide, Cumulative and 6.11 Transboundary Effects

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VOLUME 10, CHAPTER 2, APPENDICES 2A – 2B

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01	Original version [APP-576]	SZC Co.	May 2020
02	Appendix 2A – No change Appendix 2B - Updates to receptor numbers and other minor corrections		November 2020



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VOLUME 10, CHAPTER 2, APPENDIX 2A: LOCATION OF INTER-RELATIONSHIP EFFECTS ASSESSMENT



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Plates

None Provided.

Figures

None Provided.



Table 2A.1: Location of inter-relationship effects assessments

Receptor	Description Description
Quarries/finite sources of virgin materials	The assessment of effects on quarries/finite sources of virgin material is presented within the Conventional Waste Management chapter (Volume 2, Chapter 8 of the ES) which considers the effects associated with reduction in availability of finite sources of virgin materials. The assessment of effects on quarries/finite sources of virgin material presented within the Geology and Land Quality chapters (Volume 2, Chapter 18 and Volumes 3 to 9, Chapter 11 of the ES) considers the potential effects of loss, damage or sterilisation of mineral resources through contamination risk. There is not considered to be any further inter-relationships between these two
	assessments and no inter-relationship effects beyond those assessed within these chapters are likely.
	The assessment presented within the socio-economics assessment (Volume 2 , Chapter of the ES) considers the effects of population change and dynamics.
Human receptors (Population)	The assessment presented in the Health and Wellbeing assessments (Volume 2, Chapter 28 of the ES) consider the potential effects of changes in air quality, noise exposure and socio-economic factors on health. The assessment also considers quality of life and wellbeing.
	There is not considered to be any further inter-relationships between these assessments than those assessed in the Health and Wellbeing assessments (Volume 2, Chapter 28 of the ES).
	The assessment presented in the transport chapter (Volume 2 , Chapter 10 of the ES) considers the potential effects associated with severance, pedestrian delay, amenity, fear and intimidation, driver delay, and accidents and safety.
Transport network	The assessment presented in the landscape and visual assessments (Volume 2 , Chapter 13 and Volumes 3 to 9 , Chapter 6 of the ES) considers the visual effects on users of the transport network in proximity to Sizewell C Project sites. No further inter-relationship effects beyond those assessed within these chapters
	are likely.
	The assessments presented within the noise and vibration assessments (Volume 2, Chapter 11 and Volumes 3 to 9, Chapter 4 of the ES) consider noise and vibration effects at representative receptor locations.
Decidential	The assessments presented within air quality assessments (Volume 2, Chapter 12 and Volumes 3 to 9, Chapter 5 of the ES) consider air quality effects at representative receptor locations.
Residential receptors	The assessments presented within landscape and visual assessments (Volume 2, Chapter 13 and Volumes 3 to 9, Chapter 6 of the ES) consider visual effects within defined visual receptor groups, a zone of theoretical visibility and a zone of visual influence.
	The potential inter-relationship effects of these assessments on residential receptors are not considered further within any technical assessments in Volumes 2 to 9 of the ES .
Commercial facilities	The assessments presented within the noise and vibration assessments (Volume 2, Chapter 11 and Volumes 3 to 9, Chapter 4 of the ES) consider noise and vibration effects at representative receptor locations.



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Receptor	Description
	The assessments presented within air quality assessments (Volume 2, Chapter 12 and Volumes 3 to 9, Chapter 5 of the ES) consider air quality effects at representative receptor locations.
	The assessments presented within landscape and visual assessments (Volume 2 , Chapter 13 and Volumes 3 to 9 , Chapter 6 of the ES) consider visual effects within defined visual receptor groups, a zone of theoretical visibility and a zone of visual influence.
	The potential inter-relationship effects of these assessments on commercial facilities are not considered further within any technical assessments in Volumes 2 to 9 of the ES .
	The assessments presented within the noise and vibration assessments (Volume 2, Chapter 11 and Volumes 3 to 9, Chapter 4 of the ES) consider noise and vibration effects at representative receptor locations.
Community	The assessments presented within air quality assessments (Volume 2, Chapter 12 and Volumes 3 to 9, Chapter 5 of the ES) consider air quality effects at representative receptor locations.
facilities (Sports and Social Club / Campsite)	The assessments presented within landscape and visual assessments (Volume 2 , Chapter 13 and Volumes 3 to 9 , Chapter 6 of the ES) consider visual effects within defined visual receptor groups, a zone of theoretical visibility and a zone of visual influence.
	The potential inter-relationship effects of these assessments on community facilities are not considered further within any technical assessments in Volumes 2 to 9 of the ES .
	The assessments presented within the noise and vibration assessments (Volume 2, Chapter 11 and Volumes 3 to 9, Chapter 4 of the ES) consider noise and vibration effects at representative receptor locations.
	The assessments presented within air quality assessments (Volume 2, Chapter 12 and Volumes 3 to 9, Chapter 5 of the ES) consider air quality effects at representative receptor locations.
Schools	The assessments presented within landscape and visual assessments (Volume 2 , Chapter 13 and Volumes 3 to 9 , Chapter 6 of the ES) consider visual effects within defined visual receptor groups, a zone of theoretical visibility and a zone of visual influence.
	The potential inter-relationship effects of these assessments on schools are not considered further within any technical assessments in Volumes 2 to 9 of the ES
Visual Receptor Areas	The effects on visual receptors areas are considered within the landscape and visual assessments (Volume 2, Chapter 13 and Volumes 3 to 9, Chapter 6 of the ES).
	No further inter-relationship effects beyond those assessed within this chapter are likely.
Important Ecological	The terrestrial ecology assessments (Volume 2, Chapter 14 and Volumes 3 to 9, Chapter 6 of the ES) presents the assessment of effects on terrestrial habitats and species.
Features	The marine ecology assessment presents (Volume 2, Chapter 22 of the ES) the assessment of inter-relationship effects on marine habitats and species.



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Receptor	Description
	The Soils and Agriculture assessments (Volume 2, Chapter 17 and Volumes 3 to 9, Chapter 10 of the ES) only considered the potential for the spread of invasive weeds and species and the associated effects on surrounding land uses.
	No further inter-relationship effects beyond those assessed within these chapters are likely.
	The terrestrial ecology assessments (Volume 2 , Chapter 14 and Volumes 3 to 9 , Chapter 6 of the ES) presents the assessment of inter-relationship effects on statutory designated sites within the terrestrial environment.
Statutory designated site	The coastal geomorphology and hydrodynamics assessment (Volume 2 , Chapter 22 of the ES) presents the assessment of inter-relationship effects on non-statutory designated sites.
	No further inter-relationship effects beyond those assessed within these chapters are likely.
	The terrestrial ecology assessments (Volume 2, Chapter 14 and Volumes 3 to 9, Chapter 6 of the ES) presents the assessment of inter-relationship effects on non-statutory designated sites.
Non-statutory designated sites	The coastal geomorphology and hydrodynamics assessment (Volume 2 , Chapter 22 of the ES) presents the assessment of inter-relationship effects on non-statutory designated sites.
	No further inter-relationship effects beyond those assessed within these chapters are likely.
Public Rights of Way	The amenity and recreation assessments (Volume 2 , Chapter 15 and Volume 3 to 9 , Chapter 8 of the ES) consider the potential inter-relationship effects on public rights of way. No further inter-relationship effects beyond those assessed within these chapters are likely.
Dark Sky Discovery Sites	The amenity and recreation assessment (Volume 2, Chapter 15 of the ES) considers the potential inter-relationship effects on dark sky discovery sites. No further inter-relationship effects beyond those assessed within this chapter are likely.
Amenity and Recreation Receptor Groups The amenity and recreation assessments (Volume 2, Chapter 15 and Volume 3 to 9, Chapter 8 of the ES) consider the potential inter-relationship effect amenity and recreation receptor groups. No further inter-relationship effect beyond those assessed within these chapters are likely.	
Long Distance Linear Recreational Routes	The amenity and recreation assessments (Volume 2, Chapter 15 and Volume 3 to 9, Chapter 8 of the ES) consider the potential inter-relationship effects on long distance linear recreational routes. No further inter-relationship effects beyond those assessed within these chapters are likely.
Designated heritage assets	The Terrestrial Historic environment assessments (Volume 2, Chapter 16 and Volumes 3 to 9, Chapter 9 of the ES) consider the potential inter-relationship effects on designated heritage assets. No further inter-relationship effects beyond those assessed within these chapters are likely.
Non-designated heritage assets	The Terrestrial Historic environment assessments (Volume 2, Chapter 16 and Volumes 3 to 9, Chapter 9 of the ES) consider the potential inter-relationship effects on non-designated heritage assets. No further inter-relationship effects beyond those assessed within these chapters are likely.



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Receptor	Description	
Archaeology	The Terrestrial Historic environment assessments (Volume 2, Chapter 16 and Volumes 3 to 9, Chapter 9 of the ES) consider the potential inter-relationship effects on archaeology within the terrestrial environment. The Marine Historic environment assessments (Volume 2, Chapter 23 of the ES) consider the potential inter-relationship effects on archaeology within the marine environment. No further inter-relationship effects beyond those assessed within these chapters are likely.	
Soil resources (Best and Most Versatile Land)	The soils and agriculture assessments (Volume 2, Chapter 17 and Volumes 3 to 9, Chapter 10 of the ES) consider the potential inter-relationship effects on loss of resource. The geology and land quality assessments (Volume 2, Chapter 18 and Volumes 3 to 9, Chapter 11 of the ES) consider the potential inter-relationship effects on contamination of resource. No further inter-relationship effects beyond those assessed within these chapters are likely.	
Agricultural Operations / Land holdings		
Geology	The Geology and Land quality assessments (Volume 2, Chapter 18 and Volumes 3 to 9, Chapter 11 of the ES) consider the potential inter-relationship effects on geology. No further inter-relationship effects beyond those assessed within these chapters are likely.	
Livestock	The Geology and Land quality assessments (Volume 2, Chapter 18 and Volumes 3 to 9, Chapter 11 of the ES) consider the potential inter-relationship effects on livestock. No further inter-relationship effects beyond those assessed within these chapters are likely.	
Groundwater	The groundwater and surface water assessments (Volume 2, Chapter 19 and Volumes 3 to 9, Chapter 12 of the ES) consider the potential inter-relationship effects on groundwater. No further inter-relationship effects beyond those assessed within these chapters are likely.	
Surface Water	The groundwater and surface water assessments (Volume 2, Chapter 19 at Volumes 3 to 9, Chapter 12 of the ES) consider the potential inter-relationship effects on surface water. No further inter-relationship effects beyond the assessed within these chapters are likely.	
Existing Buildings (property)	The Geology and Land quality assessments (Volume 2, Chapter 18 and Volumes 3 to 9, Chapter 11 of the ES) consider the potential inter-relationship effects on existing buildings (property). No further inter-relationship effects beyond those assessed within these chapters are likely.	
Marine water quality and sediment	The marine water quality assessment (Volume 2, Chapter 21 of the ES) presents and assessment of effects on marine water quality and sediment. No further inter-relationship effects beyond those assessed within this chapter are likely.	



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Receptor	Description
Fisheries	The marine ecology and fisheries assessment presented in Volume 2 , Chapter 22 of the ES considers the effects on commercial and recreation fisheries. No further inter-relationship effects beyond those assessed within this chapter are likely.
Passing, fishing & recreational	The marine navigation assessment (Volume 2 , Chapter 24 of the ES) considers the potential disruption to existing activities.
vessels	The amenity and recreation assessment for the main development site (Volume 2, Chapter 15 of the ES) considers the effects on users of offshore recreational resources.
	There is not considered to be any further inter-relationships between these two assessments and no inter-relationship effects beyond those assessed within these chapters are likely.
Non-human biota	The radiological effects assessment (Volume 2, Chapter 25 of the ES) considers effects associated with the discharge of low levels of radioactive gaseous and aqueous effluents on terrestrial, marine, coastal, freshwater and marshland habitats.



APPENDIX 2B: ASSESSMENT OF INTER-RELATIONSHIP EFFECTS ON RESIDENTIAL PROPERTIES, COMMERCIAL FACILITIES, COMMUNITY FACILITIES AND SCHOOLS (Clean version)

Revision history / Record of comments

Revision	Amendment	Ву	Date
01	Original version [APP-576]	SZC Co.	May 2020
02	Updates to receptor numbers and other minor corrections	SZC Co.	November 2020



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Table 2B.1: Potential for inter-relationship effects on residential receptors, commercial facilities, community facilities and schools from activity at the main development site

Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Abbey Cottage.	Construction			
Abbey Cottage. Figure 1.7 – main development site 1. Noise and Vibration - Receptor 1. Air Quality – Receptor LE28. Landscape and Visual – Receptor group 14.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1A (Moderate adverse, significant). Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1B/2, Phase 3 and 4 and Phase 5 (average day) (Minor adverse, not significant). Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 3 and 4 and Phase 5 (average day) (Negligible, not significant) Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 3 (busiest day) (Moderate adverse, significant). Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles (Minor adverse, not significant). Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Minor adverse, not significant). Construction noise during the night (2300-0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Negligible, not significant). Construction vibration when vibratory compaction is occurring in Phase 1 and 2 and during preparation of LEEIE (Minor adverse, not significant). Construction vibration during breaking out and soil spreading during Phase 5 (Negligible, not significant).	Exhaust emissions from additional road vehicle movements and combustion emissions during	Views of construction (Major-moderate, adverse, significant).	There is high potential for combined effects arising from noise and vibration, air quality and views on construction on the receptor Abbey Cottage. Combined, these effects are likely to lead to an increased sense of disturbance during construction and an additional significant adverse inter-relationship effect is likely.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Construction road traffic on surrounding network (Negligible or minor, not significant).			
	Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant). Operational road traffic noise during 2034	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Moderate, adverse, not significant).	There is low potential for combined effects from noise and vibration, and views of construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptor at Abbey Cottage during the operation and so additional significant adverse inter-relationship effect is unlikely.
	(Negligible, not significant)			
1 Upper Abbey	Construction			
Farmhouse. Figure 1.7 – main development site 4.	Not assessed during construction due to the nature of the receptor (vacant during construction).		Not assessed during construction due to the nature of the receptor (vacant during construction).	Not assessed during construction due to the nature of the receptor (vacant during construction).
Noise and Vibration -	Operation			
Receptor 26. (operational effects only)	Noise during the normal operation of the power station (Negligible , not significant).	Exhaust emissions from combustion emissions during operation (Negligible, not significant).	Views of operation (Moderate, adverse, not significant).	There is low potential for combined effects on the receptor 1 Upper Abbey Farmhouse and so no additional significant adverse inter-relationship effect is likely during operation.
Air Quality – Receptors LE42. (operational effects only)	Noise during power station operation plus back generator testing (Minor adverse, not significant).			
Landscape and Visual Receptor group 14. (operational effects only)	Operational road traffic noise during 2034 (Negligible, not significant)			
The Cottage, Upper	Construction			
Abbey Farm. Figure 1.7 – main development site 3.		Not assessed during construction due to the nature of the receptor (vacant during construction).	Not assessed during construction due to the nature of the receptor (vacant during construction).	Not assessed during construction due to the nature of the receptor (vacant during construction).
Noise and Vibration – Receptor 26. (operational effects only) Air Quality – LE42.	Noise during the normal operation of the power station (Negligible, not significant). Noise during power station operation plus back generator testing (Minor adverse, not	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Moderate, adverse, not significant).	There is low potential for combined effects on the Cottage, Upper Abbey Farm receptor and so no additional significant adverse inter-relationship effect is likely during operation.
(operational effects only)	significant). Operational road traffic noise during 2034 (Negligible, not significant)			
Landscape and Visual Receptor group 14. (operational effects only)				
Lower Abbey Farm.	Construction			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Construction noise during the day (0700-2300)	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction (Major -moderate, adverse, significant). Views of operation (Moderate, adverse, not significant).	There is low potential for combined effects from noise, air quality and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for the receptor at Lower Abbey Farm during the construction phase and an additional significant adverse inter-relationship effect is likely. There is low potential for combined effects from noise and vibration and views of construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Lower Abbey during operation and so additional significant adverse inter-relationship effect is unlikely.
2 Upper Abbey	Construction			1 digrillodit devotos inter relationship enest is difficulty.
Farmhouse.			Not assessed during construction due to the	
Figure 1.7 – main	nature of the receptor (vacant during construction).	nature of the receptor (vacant during construction).	nature of the receptor (vacant during construction).	receptor (vacant during construction).

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Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Noise and Vibration – Receptor 26 (operational effects only) Air Quality – Receptor LE42. (operational effects only) Landscape and Visual – Receptor group 11. (operational effects only)	Noise during the normal operation of the power station (Negligible, not significant). Noise during power station operation plus back generator testing (Minor adverse, not significant). Operational road traffic noise during 2034 (Negligible, not significant)	Exhaust emissions from combustion emissions during operation (Negligible, not significant).	Views of operation (Major-moderate to moderate, adverse, significant).	There is high potential for combined effects on receptors at 2 Upper Abbey Farmhouse and so additional significant adverse inter-relationship effects are likely during operation.
Abbey Road, Leiston.	Construction			
Figure 1.7 — main development site 6. Noise and Vibration — Receptor 3. Air Quality — Receptor LE2. Landscape and Visual — Receptor group 16.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1A (Moderate adverse, significant). Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1B/2, Phase 3 and 4, and Phase 5 (average day) (Negligible, not significant). Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 5 (busiest day) (Moderate adverse, significant). Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles (Negligible, not significant). Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling. (Negligible, not significant). Construction noise during the night (2300-0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling) (Negligible, not significant). Construction Vibration during compaction work in Phases 1 and 2 and during preparation of LEEIE and during Phase 5 (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction (Moderate, adverse, not significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptor at Abbey Road, Leiston during the construction phase and an additional significant adverse interrelationship effect is likely.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Road traffic on surrounding network during 2023 (receptors within the 55db contours) (Moderate adverse, significant).			
	Construction road traffic on surrounding network during 2028 (Negligible or minor, not significant).			
	Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Negligible, not significant).	There is low potential for combined effects on receptors at Abbey Road and so no additional significant adverse interrelationship effect is likely during operation.
Ash Wood Cottages.	Construction			
Ash Wood Cottages. Figure 1.7 — main development site 7. Noise and Vibration — Receptor 4. Air Quality — Receptor LE25. Landscape and Visual — Receptor group 11.	Construction noise during the day (0700-2300)	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction (Major to major-moderate, adverse, significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to an increased sense of disturbance for receptors at Ash Wood Cottages during the construction phase and an additional significant adverse interrelationship effect is likely.
	Construction vibration when vibratory compaction is occurring in Phase 1 and 2 (Minor adverse, not significant).			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Construction vibration during breaking out and soil spreading during Phase 5 (Negligible , not significant).			
	Construction road traffic on surrounding network (Negligible or minor, not significant). Operation			
	Noise during the normal operation of the power station and operation plus back generator testing (Low or negligible, not significant). Operational road traffic noise during 2034 (Negligible, not significant)	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Major-moderate to moderate, adverse, significant).	There is high potential for combined effects from noise and views of Sizewell C. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptor at Ash Wood Cottages during the operational phase and an additional significant adverse inter-relationship effect is likely.
Barley Rise.	Construction			
Figure 1.7 – main development site 8. Noise and Vibration –	as dictated by LEEIE during initial	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle	Views of construction (Moderate, adverse, not significant).	There is low potential for combined effects from noise and vibration, air quality and vibration and views of construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptor at Barley Rise during the construction phase and so additional significant adverse inter-
Receptor 5. Air Quality – Receptor LE37.	Construction noise during the day (0700-2300) as dictated by LEEIE during preparation of LEEIE (Negligible , not significant).	movements and combustion emissions during construction (Negligible, not significant).		relationship effect is unlikely.
Landscape and Visual - Receptor group 19.	Construction noise during the day (0700-2300) as dictated by LEEIE during the early and later years Operations (Negligible , not significant).			
	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement average day (Negligible, not significant).			
	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement busiest day (Minor adverse, not significant).			
	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles (Negligible, not significant).			
	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Negligible, not significant).			
	Construction noise during the night (2300–0700) Maximum noise levels during period when			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling) (Negligible , not significant).			
	Construction vibration during phases 1 and 2, and during preparation of the LEEIE and during Phase 5 (Negligible, not significant).			
	Construction road traffic on surrounding network during 2023 and 2028 (Negligible or minor, not significant).			
	Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Moderate-slight, adverse, not significant).	There is low potential for combined effects from noise and views of Sizewell C. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptor at Barley Rise during the operational phase and so additional significant adverse inter-relationship effect is unlikely.
Common Cottages.	Construction		1	, ,
Figure 1.7 — main development site 9. Noise and Vibration — Receptor 6. Air Quality — Receptor LE43. Landscape and Visual — Receptor group 15.	Construction noise during the day (0700-2300) as dictated by main development site (including	generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction (Major to major-moderate, adverse, significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to an increased sense of disturbance for receptor at Common Cottages during the construction phase and an additional significant adverse interrelationship effect is likely.
	(Moderate adverse, significant). Construction road traffic on surrounding network during 2028 (Negligible or minor, not significant). Operation			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Major-moderate, adverse, significant).	There is a high potential for combined effects from noise and views of Sizewell C. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptor at Common Cottages during the operational phase and so additional significant adverse inter-relationship effect is likely.
Crown Lodge.	Construction			·
Crown Lodge. Figure 1.7 – main development site 11. Noise and Vibration – Receptor 7. Air Quality – Receptor LE38. Landscape and Visual – Receptor group 16.	Construction noise during the day (0700-2300)	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (negligible, not significant).	Views of construction (Moderate, adverse, not significant).	additional significant adverse inter-relationship effect is likely. There is low potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are unlikely to lead to a slightly increased sense of disturbance for receptor at Crown Lodge during the construction phase and so additional significant adverse interrelationship effect is unlikely.
	Construction noise during the night (2300–0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling) (Negligible, not significant) Construction vibration during compaction work in Phases 1 and 2 and during preparation of LEEIE (Minor adverse, not significant). Construction vibration during breaking out and soil spreading during Phase 5 (Negligible, not significant). Construction road traffic on surrounding network during 2023 and 2028 (Negligible or minor, not significant).			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	back generator testing (Low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Negligible, not significant).	There is low potential for combined effects on receptors at Crown Lodge and so no additional significant adverse interrelationship effect is likely during operation.
<u>Eastbridge</u>	Construction			
Figure 1.7 — main development site 12. Noise and Vibration — Receptor 8. Air Quality — Receptor LE29. Landscape and Visual — Receptor group 10.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1A (Minor adverse, not significant). Construction noise during the day (0700-2300)	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction (Major to major-moderate, adverse, significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Eastbridge during the construction phase and an additional significant adverse inter-relationship effect is likely.
	unloading from green rail route and hauling to stockpiles (Negligible , not significant). Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Minor adverse , not significant). Construction noise during the night (2300-0700)			
	maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Negligible , not significant). Construction vibration during Phases 1, 2, 5 and during preparation of LEEIE (Negligible , not significant).			
	Construction road traffic on surrounding network during 2023 and 2028 (Negligible or minor adverse, not significant). Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible, not significant).	Views of operation (Major-moderate to moderate, adverse, significant).	There is high potential for combined effects arising from noise and views of the operational site. Combined, these effects are likely to lead to an increased sense of disturbance for receptors at Eastbridge during the operational phase and so an additional significant adverse inter-relationship effect is likely.
Grimseys Lane.	Construction			

Building better energy together -



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Figure 1.7 — main development site 13. Noise and Vibration — Receptor 9. Air Quality — Receptor LE36. Landscape and Visual — Receptor group 19.	Construction noise during the day (0700-2300) as dictated by LEEIE during initial stripping/levelling (Minor adverse, not significant). Construction noise during the day (0700-2300) as dictated by LEEIE during preparation of LEEIE (Minor adverse, not significant). Construction noise during the day (0700-2300) as dictated by LEEIE during the Early Years Operations (Minor adverse, not significant). Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement average day (Negligible, not significant). Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement busiest day (Minor adverse, not significant). Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (Minor adverse, not significant). Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Minor adverse, not significant). Construction noise during the night (2300-0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Negligible, not significant). Construction vibration during Phases 1, 2 5 and during preparation of the LEEIE (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Landscape and Visual. Views of construction (Moderate, adverse, not significant).	Potential for combined effect. There is low potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Grimseys Lane during the construction phase and so additional significant adverse interrelationship effect is unlikely.
	significant). Operation			
	'	Exhaust emissions from combustion emissions	Views of operation (Madarate alight adverse	There is low notential for combined offects origins from raise
	Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Moderate-slight, adverse, not significant).	There is low potential for combined effects arising from noise and views of the operational site. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Grimseys Lane during the operational phase and



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
				so additional significant adverse inter-relationship effect is unlikely.
158 King George's	Construction			
Avenue.	Construction noise during the day (0700-2300) as dictated by LEEIE during initial	Effects on health from particulate matter generated from construction activities (Minor	Views of construction (Moderate, adverse, not significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined,
Figure 1.7 – main development site 14.		adverse to negligible, not significant).	,	these effects are likely to lead to an increased sense of disturbance for receptors at 158 King George's Avenue during
Noise and Vibration – Receptor 12.	Construction noise during the day (0700-2300) as dictated by LEEIE during preparation of LEEIE (Minor adverse, not significant).	Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible , not significant).		the construction phase and an additional significant adverse inter-relationship effect is likely.
Air Quality – Receptor LE36.	Construction noise during the day (0700-2300)			
Landscape and Visual - Receptor group 16.	as dictated by LEEIE during the Early Years Operations (Negligible, not significant).			
	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement average day (Negligible, not significant).			
	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement busiest day (Moderate adverse, not significant).			
	Construction noise during the night (2300-0700) maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Negligible, not significant).			
	Construction vibration during phases, 1, 2, 5 and preparation of LEEIE (Negligible, not significant).			
	Construction road traffic on surrounding network during 2023 and 2028 (Negligible or minor, not significant).			
	Operation			
	Noise during the normal operation of the power station and operation plus back generator testing (Low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible, not significant).	Views of operation (Negligible, not significant).	There is low potential for combined effects on receptors at 158 King George's Avenue and so no additional significant adverse inter-relationship effect is likely during operation.
Heath View.	Construction			
<u>Figure 1.7</u> – main development site 16.	as dictated by LEEIE during initial	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant).	Views of construction (Slight, adverse, not significant).	There is low potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Heath View during the construction
Noise and Vibration – Receptor 10.	Significant).	Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).		phase and so additional significant adverse inter-relationship effect is unlikely.



Air Coulting Accounts Construction mote during the day (0700-2200) as dictated by LETE during preparation of letting membranes, out algorithms. Receptor group 17. Construction notice during the day (0700-2200) as dictated by LETE during responsible of letting membranes and visual. Receptor group 17. Construction notice during the day (0700-2200) as dictated by LETE during restoration and reinfacture. Construction notice during the day (0700-2200) as dictated by LETE during restoration and reinfacture. Construction notice during the day (0700-2200) as dictated by LETE during restoration and reinfacture. Construction notice during the day (0700-2200) as dictated by LETE during restoration and reinfacture. Construction notice during the right (2000-0700) average notice levels during period when material extraction make during the right (2000-0700) average notice levels during period when material unique to reinfacture. Construction notice during the right (2000-0700) maximum notice during the right (2000-0700) maximum notice levels during period when material unique levels during period when materia					
LE44. se dictated by LEEE, during preparation of LEEE (minor adverse, not significant). - Redepind group 17. Construction notice during the day (0700-2300) as dictated by LEEE during recordance and reinstatement average day (Negligible, not significant). - Construction notice during the day (0700-2300) as dictated by LEEE during recordance and reinstatement average day (Negligible, not significant). - Construction notice during the right (2300-0700) average noise (vertically). - Construction noise during the right (2300-0700) average noise levels during protein when material unloading from green rail route and haufing to stockholes (Negligible, not significant). - Construction noise during the right (2300-0700) average noise levels during protein when material unloading from green rail route and material unloading			Air Quality.	Landscape and Visual.	Potential for combined effect.
maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Negligible, not significant). Construction vibration during all Phases 1, 2 and 5 and preparation of LEEIE (Negligible, not significant). Construction road traffic on surrounding network during 2023 and 2028 (Negligible or minor, not significant). Operation Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant). Exhaust emissions from combustion emissions during operation (Negligible, not significant). Views of operation (Slight, adverse, not significant). There is low potential for combined effects from noise and views of the operational site. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Heath View during the operational phase and so additional significant adverse inter-relationship effect is unlikely.	LE44. Landscape and Visual	as dictated by LEEIE, during preparation of LEEIE (minor adverse, not significant). Construction noise during the day (0700-2300) as dictated by LEEIE during the early and later years Operations (minor adverse, not significant). Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement average day (Negligible, not significant). Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement busiest day (Moderate adverse, not significant). Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (Negligible, not significant). Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation	Air Quality.	Landscape and Visual.	Potential for combined effect.
Construction vibration during all Phases 1, 2 and 5 and preparation of LEEIE (Negligible, not significant). Construction road traffic on surrounding network during 2023 and 2028 (Negligible or minor, not significant). Operation Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant). Exhaust emissions from combustion emissions during operation (Negligible, not significant). Views of operation (Slight, adverse, not significant). There is low potential for combined effects from noise and views of the operational site. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Heath View during the operational phase and so additional significant adverse inter-relationship effect is		hauling to stockpiles and, continuous excavation and tunnelling (Negligible, not significant). Construction noise during the night (2300-0700) maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation			
Significant). Construction road traffic on surrounding network during 2023 and 2028 (Negligible or minor, not significant). Operation Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant). Exhaust emissions from combustion emissions during operation (Negligible, not significant). Views of operation (Slight, adverse, not significant). There is low potential for combined effects from noise and views of the operational site. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Heath View during the operational phase and so additional significant adverse inter-relationship effect is unlikely.		Construction vibration during all Phases 1, 2 and			
during 2023 and 2028 (Negligible or minor, not significant). Operation Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant). Exhaust emissions from combustion emissions during operation (Negligible, not significant). Views of operation (Slight, adverse, not significant). Views of operation (Slight, adverse, not significant). There is low potential for combined effects from noise and views of the operational site. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Heath View during the operational phase and so additional significant adverse inter-relationship effect is unlikely.		significant).			
Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant). Exhaust emissions from combustion emissions during operation (Negligible, not significant). Views of operation (Slight, adverse, significant). Views of operation (Slight, adverse, not significant). There is low potential for combined effects from noise and views of the operational site. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Heath View during the operational phase and so additional significant adverse inter-relationship effect is unlikely.		during 2023 and 2028 (Negligible or minor, not significant).			
station and during power station operation plus back generator testing (Low or negligible, not significant). during operation (Negligible, not significant). significant). significant). significant). views of the operational site. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Heath View during the operational phase and so additional significant adverse inter-relationship effect is unlikely.		'	Exhauet amissions from combustion amissions	Views of operation (Clinht advance not	There is low notantial for combined effects from noise and
		station and during power station operation plus back generator testing (Low or negligible, not			views of the operational site. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Heath View during the operational phase and so additional significant adverse inter-relationship effect is
	Keepers Cottage.	Construction			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Figure 1.7 – main development site 17. Noise and Vibration – Receptor 11. Air Quality – Receptor LE41. Landscape and Visual – Receptor group 15.	Construction noise during the day (0700-2300)	Effects on health from particulate matter generated from construction activities (Minor	Views of construction (Major to major-moderate, adverse, significant). Views of operation (Major to major-moderate, adverse, significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Keepers Cottage during the construction phase and an additional significant adverse interrelationship effect is likely. There is high potential for combined effects from noise and views of the operational site. Combined, these effects are likely to lead to an increased sense of disturbance for receptors at Keepers Cottage during the operational phase and so additional significant adverse inter-relationship effect is likely.
King George's	Construction			
Avenue.		Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant).	Views of construction (Slight, adverse, not significant).	There is low potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are unlikely to lead to an increased sense of



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Receptor Groups. Figure 1.7 – main development site 15. Noise and Vibration – Receptor 12. Air Quality – Receptor LE36. Landscape and Visual – Receptor group 17.	stripping/levelling (Minor adverse, not significant). Construction noise during the day (0700-2300) as dictated by LEEIE during preparation of LEEIE (Minor adverse, not significant). Construction noise during the day (0700-2300) as dictated by LEEIE during the early years operations (Negligible, not significant). Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement average day (Negligible, not significant). Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement busiest day (Moderate adverse, not significant). Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (Negligible, not significant). Construction vibration during Phase 1 and 2 and during preparation of the LEEIE (Minor adverse, not significant). Construction vibration during Phase 5 (Negligible, not significant) Construction road traffic on surrounding network in 2023 and 2028 (Negligible or minor, not significant). Operation Noise during the normal operation of the power	Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of operation (Slight, adverse, not	disturbance for receptors at King George's Avenue during the construction phase and an additional significant adverse interrelationship effect is unlikely.
	station and operation plus back generator testing (Low or negligible, not significant).	during operation (Negligible, not significant).	significant).	views of the operational site. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at King George's Avenue during the operational phase and so additional significant adverse inter-relationship effect is unlikely.
Pro Corda	Construction			
Figure 1.7 — main development site 18. Noise and Vibration — Receptor 13.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1A, Phase 1B/2, Phase 3 and 4 and Phase 5 (average day) (Minor adverse, not significant). Construction noise during the day (0700-2300)	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction. Effects for visual receptor group 10 are assessed to be major to major-moderate, adverse, significant. However, views from within the Pro Corda site would be less extensive than for the receptor group as a whole due to screening provided by the abbey buildings and tree cover adjacent to the B1122 and Leiston	There is low potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors Pro Corda during the construction phase and an additional significant adverse inter-relationship effect is unlikely.
	as dictated by main development site (including		Old Abbey Residential Home.	



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Air Quality – Receptor LE16.	activities on LEEIE) During Phase 5 (busiest day) (Minor adverse, not significant).			
Landscape and Visual - Receptor group 10.	Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (Minor adverse , not significant).			
	Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Minor adverse, not significant).			
	Construction noise during the night (2300-0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Negligible , not significant).			
	Construction vibration during Phases 1 and 2, preparation of the LEEIE and Phase 5 (Negligible, not significant).			
	Construction road traffic on surrounding network in 2023 and 2028 (Negligible or minor, not significant).			
	Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible, not significant).	Views of operation. Effects for visual receptor group 10 are assessed to be major to major-moderate, adverse, significant. However, views from within the Pro Corda site would be less extensive than for the receptor group as a whole due to screening provided by the abbey buildings and tree cover adjacent to the B1122 and Leiston Old Abbey Residential Home.	There is low potential for combined effects from noise and views of the operational site. Combined, these effects are unlikely to lead to a slightly increased sense of disturbance for receptors at Pro Corda during the operational phase and an additional significant adverse inter-relationship effect is unlikely.
Lovers Lane/Sandy	Construction			
<u>Lane Junction.</u> <u>Figure 1.7</u> – main development site 19.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1A (Moderate adverse, significant).	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant).	Views of construction (Major to major-moderate, adverse, significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Lovers Lane/Sandy Lane Junction
Noise and Vibration – Receptor 14.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1B/2 and	Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible , not significant).		during the construction phase and an additional significant adverse inter-relationship effect is likely.
Air Quality – Receptor LE33.	Phase 5 (average day) (Minor adverse, not significant).			
Landscape and Visual - Receptor group 15.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 3 and 4 (Negligible, not significant).			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 5 (busiest day) (Minor adverse, not significant).			
	Construction noise during the night (2300-0700) during the period when the green rail route is operational at night (Negligible , not significant).			
	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling(Negligible, not significant).			
	Construction noise during the night (2300–0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling) (Negligible, not significant).			
	Construction vibration during Phases 1 and 2, during preparation of LEEIE and Phase 5 (Negligible, not significant).			
	Road traffic on surrounding network during 2023 (receptors within the 55db contours) (Moderate adverse, significant).			
	Construction road traffic on surrounding network during 2028 (Negligible or minor, not significant). Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Major to moderate, adverse, significant).	There is high potential for combined effects from noise and views of the operational site. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Lovers Lane/Sandy Lane Junction during the operational phase and an additional significant adverse interrelationship effect is likely.
1 Common Farm	Construction			
Cottage, Lovers Lane/Sandy Lane Junction. Figure 1.7 – main	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1A (Moderate adverse , significant).		Views of construction (Major to major-moderate, adverse, significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at 1 Common Farm Cottages, Lovers
development site 20. Noise and Vibration – Receptor 14.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1B/2 and Phase 5 (average day) (Minor adverse, not significant).	Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible , not significant).		Lane/Sandy Lane Junction during the construction phase and an additional significant adverse inter-relationship effect is likely.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Air Quality – Receptor				
LE32.	Construction noise during the day (0700-2300)			
	as dictated by main development site (including			
Landscape and Visual	activities on LEEIE) During Phase 3 and 4			
 Receptor group 15. 	(Negligible, not significant).			
	Construction noise during the day (0700-2300)			
	as dictated by main development site (including			
	activities on LEEIE) During Phase 5 (busiest day)			
	(Minor adverse, not significant).			
	Construction resident during the gight (2000, 2700)			
	Construction noise during the night (2300-0700) average noise levels during period when material			
	unloading from green rail route and hauling to			
	stockpiles (Negligible, not significant).			
	Construction noise during the night (2300-0700)			
	Average noise levels during period when			
	material unloading from green rail route and hauling to stockpiles and, continuous excavation			
	and tunnelling (Negligible , not significant).			
	and tarmounty (trognglato, not olg.micant).			
	Construction noise during the night (2300–0700)			
	Maximum noise levels during period when			
	material unloading from green rail route and			
	hauling to stockpiles and, continuous excavation and tunnelling (Negligible , not significant).			
	and turnelling (Negligible, not significant).			
	Construction vibration during Phases 1 and 2,			
	during preparation of LEEIE and Phase 5			
	(Negligible, not significant).			
	Road traffic on surrounding network during 2023			
	(receptors within the 55db contours) (Moderate			
	adverse, significant).			
	Construction road traffic on surrounding network			
	during 2028 (Negligible or minor, not significant).			
	Operation		I	1
	'	Exhaust emissions from combustion emissions	Views of operation (Major mederate adverse	There is high potential for combined effects from noise and
	Noise during the normal operation of the power station and during power station operation plus	during operation (Negligible , not significant).	Views of operation (Major-moderate, adverse, significant).	views of the operational site. Combined, these effects are likely
	back generator testing (Low or negligible, not	daring operation (regnigible, not significant).	- 3.g3ant).	to lead to a slightly increased sense of disturbance for
	significant).			receptors at 1 Common Farm Cottage, Lovers Lane/Sandy
				Lane Junction during the operational phase and an additional
2 00	Construction			significant adverse inter-relationship effect is likely.
2 Common Farm Cottage, Lovers	Construction			
Lane/Sandy Lane	Construction noise during the day (0700-2300)	Effects on health from particulate matter	Views of construction (Major to major-	There is high potential for combined effects from noise and
Junction.	as dictated by main development site (including activities on LEEIE) During Phase 1A (Moderate	generated from construction activities (Minor	moderate, adverse, significant).	vibration, air quality and views of construction. Combined, these effects are likely to lead to a slightly increased sense of
	adverse, significant).	auverse to negligible, flot significant).		disturbance for receptors at 2 Common Farm Cottages, Lovers
	autoroo, organiroanti,			Lane/Sandy Lane Junction during the construction phase and
				edfeneray co



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Figure 1.7 – main development site 20. Noise and Vibration – Receptor 14.		Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible , not significant).		an additional significant adverse inter-relationship effect is likely.
Air Quality – Receptor LE32. Landscape and Visual – Receptor group 15.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 3 and 4 (Negligible, not significant).			
group of	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 5 (busiest day) (Minor adverse, not significant).			
	Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (Negligible , not significant).			
	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Negligible , not significant).			
	Construction noise during the night (2300–0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Negligible , not significant).			
	Construction vibration during Phases 1 and 2, during preparation of LEEIE and Phase 5 (Negligible, not significant).			
	Road traffic on surrounding network during 2023 (receptors within the 55db contours) (Moderate adverse, significant).			
	Construction road traffic on surrounding network during 2028 (Negligible or minor, not significant).			
	Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (negligible , not significant).	Views of operation (Major-moderate, adverse, significant).	There is high potential for combined effects from noise and views of the operational site. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at 2 Common Farm Cottage, Lovers Lane/Sandy Lane Junction during the operational phase and an additional significant adverse inter-relationship effect is likely.
	Construction			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Old Abbey Farm/Care Home. Figure 1.7 — main development site 22. Noise and Vibration — Receptor 15. Air Quality — Receptor LE26. Landscape and Visual — Receptor group 14.	Noise and Vibration. Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1A (Moderate adverse, significant). Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1B/2, Phase 3 and 4, and Phase 5 (average day) (Minor adverse, not significant). Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 5 (busiest day) (minor adverse, not significant). Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (Moderate adverse, significant). Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Moderate adverse, significant). Construction noise during the night (2300-0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling) (Negligible, not significant). Construction vibration during Phases 1 and 2, during preparation of LEEIE and Phase 5 (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Minor	Views of construction (Major to moderate,	Potential for combined effect. There is high potential for combined effects from noise and vibration and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Old Abbey Farm/Care Home during the construction phase and an additional significant adverse interrelationship effect is likely.
	during 2023 and 2028 (Negligible or minor adverse, not significant).			
	Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Moderate, adverse, not significant).	There is low potential for combined effects from noise and views of the operational site. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Old Abbey Farm/Care Home during the operational phase and an additional significant adverse interrelationship effect is unlikely.
Plantation Cottages.	Construction			
Figure 1.7 – main development site 23.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1A, Phase	generated from construction activities (Minor	Views of construction (Major to major-moderate, adverse, significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Plantation Cottages during the



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Noise and Vibration – Receptor 16.	1B/2, Phase 3 and 4 and Phase 5 (average day) (Minor adverse, not significant).	Exhaust emissions from additional road vehicle movements and combustion emissions during		construction phase and an additional significant adverse inter- relationship effect is likely.
Air Quality – Receptor LE25. Landscape and Visual	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 5 busiest day (Minor adverse, not significant).	construction (Negligible, not significant).		
- Receptor group 11.	Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (Minor adverse, not significant).			
	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Minor adverse, not significant).			
	Construction noise during the night (2300–0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Negligible , not significant).			
	Construction vibration during Phase 1 and 2 (Minor adverse, not significant).			
	Construction vibration during Phase 5 (Negligible, not significant)			
	Construction road traffic on surrounding network during 2023 and 2028 (Negligible or minor, not significant).			
	Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Major-moderate to moderate, adverse, significant).	There is high potential for combined effects from noise and views of the operational site. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Plantation Cottage during the operational phase and an additional significant adverse inter-relationship effect is likely.
Potters Farm.	Construction			
Figure 1.7 – main development site 24. Noise and Vibration –	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During all construction Phase (Minor adverse, not significant).	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle	Views of construction (Major to major-moderate, adverse, significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Potters Farm during the construction phase and an additional significant adverse inter-
Receptor 17. Air Quality – Receptor LE27.	Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (Minor adverse, not significant).	movements and combustion emissions during construction (Negligible, not significant).		relationship effect is likely.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Landscape and Visual - Receptor group 10.	Construction noise during the night (2300-0700Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Minor adverse, not significant). Construction noise during the night (2300–0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling) (Negligible, not significant). Construction vibration during Phases 1 and 2, during preparation of LEEIE and Phase 5 (Negligible, not significant). Construction road traffic on surrounding network during 2023 and 2028 (negligible or minor, not significant). Operation	Exhaust emissions from combustion emissions	Views of operation (Major moderate to	There is high potential for combined effects from poiss and
	Noise during the normal operation of the power station and during power station operation plus back generator testing (low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible, not significant).	Views of operation (Major-moderate to moderate, adverse, significant).	There is high potential for combined effects from noise and views of the operational site. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Potters Farm during the operational phase and an additional significant adverse inter-relationship effect is likely.
Potters Street.	Construction			
Figure 1.7 — main development site 25. Noise and Vibration — Receptor 18. Air Quality — Receptor LE27. Landscape and Visual — Receptor group 10.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During all construction Phase (Minor adverse, not significant). Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (Minor adverse, not significant). Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Minor adverse, not significant). Construction noise during the night (2300-0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (negligible, not significant).	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction (Major to major-moderate, adverse, significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Potters Street during the construction phase and an additional significant adverse interrelationship effect is likely.



Construction vibration during Phases 1 and 2, during preparation of LEEIE and Phase 5 (negligible, not significant).			
(negligible, not significant).			
Construction road traffic on surrounding network during 2023 and 2028 (negligible or minor, not significant).			
Operation			
Noise during the normal operation of the power station and during power station operation plus back generator testing (low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Major-moderate to moderate, adverse, significant).	There is high potential for combined effects from noise and views of the operational site. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Potters Street during the operational phase and an additional significant adverse inter-relationship effect is likely.
Construction			
1B/2, Phase 3 and 4 and Phase 5 (busiest day) (Minor adverse, not significant). Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 5 (average day) (negligible, not significant). Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (negligible, not significant). Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (negligible, not significant). Construction noise during the night (2300-0700) Maximum noise levels during period when material unloading from green rail route and	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction (Major to major-moderate, adverse, significant).	There is high potential for combined effects from noise and vibration and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors Rosery Cottages during the construction phase and an additional significant adverse inter-relationship effect is likely.
Construction vibration during Phases 1 and 2, during preparation of LEEIE and Phase 5 (negligible, not significant). Road traffic on surrounding network during 2023 (receptors within the 55db contours) (Moderate adverse, significant). Construction road traffic on surrounding network			
	significant). Operation Noise during the normal operation of the power station and during power station operation plus back generator testing (low or negligible, not significant). Construction Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1A, Phase 1B/2, Phase 3 and 4 and Phase 5 (busiest day) (Minor adverse, not significant). Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 5 (average day) (negligible, not significant). Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (negligible, not significant). Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (negligible, not significant). Construction noise during the night (2300-0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (negligible, not significant). Construction vibration during Phases 1 and 2, during preparation of LEEIE and Phase 5 (negligible, not significant). Road traffic on surrounding network during 2023 (receptors within the 55db contours) (Moderate adverse, significant).	Operation Noise during the normal operation of the power station and during power station operation plus back generator testing (low or negligible, not significant). Construction Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1A, Phase 1B/2, Phase 3 and 4 and Phase 5 (busiest day) (Minor adverse, not significant). Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 5 (average day) (negligible, not significant). Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (negligible, not significant). Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (negligible, not significant). Construction vibration during Phases 1 and 2, during preparation of LEEIE and Phase 5 (negligible, not significant). Road traffic on surrounding network during 2023 (receptors within the 55db contours) (Moderate adverse, significant). Construction road traffic on surrounding network during 2028 (Negligible or minor, not	Noise during the normal operation of the power station and during power station operation plus during query station and during power station operation plus back generator testing (low or negligible, not significant). Construction Construction Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1A, Phase 1B/2; Phase 3 and 4 and Phase 6 (busiest day) (Minor adverse, not significant). Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 5 (average day) (negligible, not significant). Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockplies and, continuous excavation and tunnelling (negligible, not significant). Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockplies and, continuous excavation and tunnelling (negligible, not significant). Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockplies and, continuous excavation and tunnelling (negligible, not significant). Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockplies and, continuous exeavation and tunnelling (negligible, not significant). Construction vibration during Phases 1 and 2, during preparation of LEEIE and Phase 5 (negligible, not significant). Construction vibration during Phases 5 (negligible, not significant). Construction vibration during Phases 5 (negligible, not significant).



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible, not significant).	Views of operation (Major to moderate, adverse, significant).	There is high potential for combined effects from noise and views of the operational site. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Rosery Cottage during the operational phase and an additional significant adverse inter-relationship effect is likely.
Round House.	Construction			
Round House. Figure 1.7 — main development site 27. Noise and Vibration — Receptor 20. Air Quality — Receptor LE25. Landscape and Visual — Receptor group 14.	Construction noise during the day (0700-2300)	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction (Major-moderate, adverse, significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Round House during the construction phase and an additional significant adverse interrelationship effect is likely.
	(receptors within the 55db contours) (Moderate adverse, significant). Construction road traffic on surrounding network			
	during 2028 (Negligible or minor, not significant).			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (low or negligible, not significant).	during operation (Negligible, not significant).	significant).	There is low potential for combined effects from noise and views of the operational site. Combined, these effects are unlikely to lead to a slightly increased sense of disturbance for receptors at Round House during the operational phase and so no additional significant adverse inter-relationship effect is likely.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Sizewell Sports &	Construction			
Social Club. Figure 1.7 – main	Construction noise during the day (0700-2300) as dictated by LEEIE during preparation of LEEIE (Minor adverse, not significant).	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant).	Views of construction (Moderate adverse, not significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to an increased sense of
development site 28. Noise and Vibration –	Construction noise during the day (0700-2300) as dictated by LEEIE during the Early Years	Exhaust emissions from additional road vehicle movements and combustion emissions during		disturbance for receptors at Sizewell Sports and Social Club during the construction phase and so an additional significant adverse inter-relationship effect is likely.
Receptor 21. <u>Air Quality</u> – Receptor	Operations (Minor adverse, not significant).	construction (Negligible, not significant).		
LE44. Landscape and Visual	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement (average day) (Negligible , not			
- Receptor group 19.	significant).			
	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement (busiest day) (Moderate adverse, significant).			
	Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (negligible, not significant).			
	Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling. (negligible, not significant).			
	Construction noise during the night (2300–0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (negligible, not significant).			
	Construction vibration during Phases 1 and 2, during preparation of LEEIE and Phase 5 (negligible, not significant).			
	Road traffic on surrounding network during 2023 (receptors within the 55db contours) (Moderate adverse , significant).			
	Construction road traffic on surrounding network during 2028 (Negligible or minor, not significant).			
	Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Moderate -slight, adverse, not significant).	There is low potential for combined effects from noise and views of the operational site. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Sizewell Sports and Social Club during the



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
				operational phase and so no additional significant adverse inter-relationship effect is likely.
Sizewell Village	Construction			
(Vulcan Arms). Figure 1.7 – main development site 29.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During all construction Phases (negligible, not significant).	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle	Views of construction (Moderate, adverse, not significant).	There is low potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Sizewell Village (Vulcan Arms) during the construction phase and so no additional significant
Noise and Vibration – Receptor 22.	Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to	movements and combustion emissions during construction (Negligible , not significant).		adverse inter-relationship effect is likely.
Air Quality – Receptor LE13.	stockpiles (negligible, not significant).			
Landscape and Visual – Receptor group 19.	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (negligible, not significant).			
	Construction noise during the night (2300–0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (negligible, not significant). Construction vibration during Phases 1 and 2, during preparation of LEEIE and Phase 5 (negligible, not significant).			
	Construction road traffic on surrounding network (negligible or minor, not significant).			
	Operation			
	Noise during the normal operation of the power station and operation plus back generator testing (low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Moderate-slight, adverse, not significant).	There is low potential for combined effects from noise and views of the operational site. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Sizewell Village (Vulcan Arms) during the operational phase and so no additional significant adverse inter-relationship effect is likely.
The Studio.	Construction			
<u>Figure 1.7</u> – main development site 30.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1A (Moderate adverse, significant).	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant).	Views of construction (Major to major-moderate, adverse, not significant).	There is high potential for combined effects from noise and vibration and views of construction. Combined, these effects are likely to lead to an increased sense of disturbance for receptors at The Studio during the construction phase and so
Noise and Vibration – Receptor 23.	Construction noise during the day (0700-2300)	Exhaust emissions from additional road vehicle movements and combustion emissions during		an additional significant adverse inter-relationship effect is likely.
Air Quality – Receptor LE32.	as dictated by main development site (including activities on LEEIE) During Phase 1B/2, Phase 3 and 4 and Phase 5 (average day) (Minor adverse, not significant).	construction (Negligible, not significant).		
Landscape and Visual - Receptor group 15.	Construction noise during the day (0700-2300)			
	as dictated by main development site (including			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	activities on LEEIE) During Phase 5 busiest day (Moderate adverse, significant).			
	Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (Minor adverse, not significant).			
	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Minor adverse, not significant).			
	Construction vibration during Phases 1 and 2, during preparation of LEEIE and Phase 5 (Negligible, not significant).			
	Construction road traffic on surrounding network (Negligible or minor, not significant). Operation			
	Noise during the normal operation of the power station and operation plus back generator testing (Low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible, not significant).	Views of operation (Major-moderate, adverse, significant).	There is high potential for combined effects from noise and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at The Studio during the operational phase and an additional
Valley Road North.	Construction			significant adverse inter-relationship effect is likely.
Figure 1.7 – main development site 31. Noise and Vibration – Receptor 25. Air Quality – Receptor LE35.	Construction noise during the day (0700-2300) as dictated by LEEIE during initial stripping/levelling (Minor adverse, not significant). Construction noise during the day (0700-2300) as dictated by LEEIE during preparation of LEEIE (Minor adverse, not significant).	generated from construction activities (Minor	Views of construction (Slight, adverse, not significant).	There is low potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Valley Road North during the construction phase and so no additional significant adverse inter-relationship effect is likely.
Landscape and Visual - Receptor group 17.	Construction noise during the day (0700-2300) as dictated by LEEIE during the Early Years Operations (Negligible, not significant).			
	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement (average day) (Negligible , not significant).			
	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement (busiest day) (Minor adverse, not significant).			
	Construction noise during the night (2300-0700) average noise levels during period when material			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	unloading from green rail route and hauling to stockpiles (Minor adverse, not significant).			
	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Minor adverse, not significant).			
	Construction noise during the night (2300–0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Negligible, not significant).			
	Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (low or negligible, not significant).		Views of operation (Slight, adverse, not significant).	There is low potential for combined effects from noise and views of the operational site. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Valley Road North during the operational phase and so no additional significant adverse inter-relationship effect is likely.
Valley Road South.	Construction			
<u>Figure 1.7</u> – main development site 32. <u>Noise and Vibration</u> –	Construction noise during the day (0700-2300) as dictated by LEEIE during initial stripping/levelling (minor adverse, not significant).		Views of construction (Slight, adverse, not significant).	There is low potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Valley Road South during the construction phase and so no additional significant adverse
Receptor 25. Air Quality – Receptor LE35.	Construction noise during the day (0700-2300) as dictated by LEEIE during preparation of LEEIE (minor adverse, not significant).	movements and combustion emissions during construction (Negligible, not significant).		inter-relationship effect is likely.
Landscape and Visual - Receptor group 17.	Construction noise during the day (0700-2300) as dictated by LEEIE during the Early Years Operations (negligible, not significant).			
	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement (average day) (negligible, not significant).			
	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement (busiest day) (minor adverse, not significant).			
	Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (minor adverse, not significant).			
	Construction noise during the night (2300-0700) Average noise levels during period when			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (minor adverse, not significant). Construction noise during the night (2300–0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (negligible, not significant). Construction vibration during Phases 1 and 2, during preparation of LEEIE and Phase 5 (negligible, not significant). Construction road traffic on surrounding network during 2023 and 2028 (negligible or minor, not significant).			
	Operation		<u> </u>	
	Noise during the normal operation of the power station and during power station operation plus back generator testing (low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible, not significant).	Views of operation (Slight, adverse, not significant).	There is low potential for combined effects from noise and views of the operational site. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Valley Road South during the operational phase and so no additional significant adverse inter-relationship effect is likely.
B1122 Station Road,	Construction			is more
Noise and Vibration – No corresponding residential receptor.	Construction road traffic on surrounding network during 2023 and 2028 (negligible or minor, not significant).	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction (Slight, adverse, not significant).	There is low potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at B1122 Station Road during the construction phase and so no additional significant adverse inter-relationship effect is likely.
Air Quality – Receptor LE1.	Operation	, , , , , , , , , , , , , , , , , , , ,		
Landscape and Visual – Receptor group 17.	Operational road traffic on surrounding network during 2034 (negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible , not significant).		There is low potential for combined effects on receptors at B1122 Station Road. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during operation
Leiston Primary	Construction			
School Noise and Vibration – Receptor 10 Air Quality – Receptor	stripping/levelling (Minor adverse, not significant).	generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle	No visual effects considered due to the location within the existing built up area of Leiston	There is low potential for combined effects from noise and vibration, and air quality. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Leiston Primary School during the construction phase and so no additional significant adverse inter-relationship effect is
LE44 Landscape and Visual – No visual effects considered due to the location within the existing	Construction noise during the day (0700-2300) as dictated by LEEIE, during preparation of LEEIE (minor adverse, not significant). Construction noise during the day (0700-2300) as dictated by LEEIE during the early and later years Operations (minor adverse, not significant).	movements and combustion emissions during construction (Negligible, not significant).		likely.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
built up area of Leiston	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement average day (Negligible, not significant).			
	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement busiest day (Moderate adverse, significant).			
	Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (Negligible , not significant).			
	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Negligible , not significant).			
	Construction noise during the night (2300-0700) maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Negligible , not significant).			
	Construction vibration during all Phases 1, 2 and 5 and preparation of LEEIE (Negligible, not significant).			
	Construction road traffic on surrounding network during 2023 and 2028 (Negligible or minor, not significant).			
	Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible, not significant).	No visual effects considered due to the location within the existing built up area of Leiston	There is low potential for combined effects from noise and vibration, and air quality. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Leiston Primary School during operation and so no additional significant adverse inter-relationship effect is likely



Table 2B.2: Potential for inter-relationship effects on residential receptors, commercial facilities, community facilities and schools from activity at the northern park and ride

Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Willow Marsh Cottage.	Construction			
Figure 1.2 - D10 Noise and Vibration - Receptor F - North-west corner of the site (Willow Marsh Lane). Air Quality - Receptor YX14.	Construction noise (during Monday to Friday 07:00 to 19:00 and Saturday 07:00 to 13:00 working hours) (Minor or Negligible, not significant). Construction vibration (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	Views of construction activity (Slight-minimal, adverse, not significant).	There is a low potential for combined effects arising from noise and vibration from construction and views of construction activity, combined these effects are unlikely to lead to an increased sense of disturbance for the receptors within Group D10 during the construction phase and so no additional significant adverse interrelationship effect is likely.
Landscape and Visual -	Operation			
Viewpoint R3 - Willow Marsh Lane, near level crossing - Motorists and cyclist using Willow Marsh Lane, residents along Willow Marsh Lane, train passengers (Receptor Group 2).	Noise and vibration from operation of the proposed development (Minor or Negligible, not significant).	Exhaust emissions from additional road vehicle movements during operation (Minor adverse to negligible, not significant).		disruption to views and from lighting, combined these effects are unlikely to lead to an increased sense of disturbance for the receptors within Group D10 during operation and so no additional significant adverse inter-relationship effect is
	Removal and reinstatement.	<u> </u>	significant).	likely.
	Noise and vibration levels during removal and reinstatement (Minor or Negligible, not significant). Vibration levels during removal and reinstatement (Negligible, not significant).	Effects on health from particulate matter generated from removal and reinstatement activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).	Views of construction activity during removal and reinstatement (Slight-minimal, adverse, not significant).	There is a low potential for combined effects arising from noise and vibration from construction and views of construction activity, combined these effects are unlikely to lead to an increased sense of disturbance for the receptors within Group D10 during removal and reinstatement and so no additional significant
Residential properties located	Construction			adverse inter-relationship effect is likely.
Action and to the north of the site. Figure 1.2 - D9 Noise and Vibration - Receptor G - Properties north of the site, west of the A12.	Construction noise (during Monday to Friday 07:00 to 19:00 and Saturday 07:00 to 13:00 working hours) (Minor or Negligible, not significant). Construction vibration (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		There is a low potential for combined effects arising from noise and vibration from construction and views of construction activity, combined these effects are unlikely to lead to an increased sense of disturbance for the receptors within Group D9 during the construction phase and so no additional significant adverse interrelationship effect is likely.
Air Quality - Receptor YX15.	Operation			
Landscape and visual - Viewpoint R2 - London Road, Near High Street - Users of the public footpath to the north of the site, south of the A144 (receptor group 2).	Noise from Operation of Proposed Development (Minor or Negligible, not significant).	Exhaust emissions from additional road vehicle movements during operation (Minor adverse to negligible, not significant).	Views of perimeter fencing, with light columns and roofs of taller vehicles seen above planting and bunds during operation (Slight-minimal, adverse, not significant). Visibility of proposed operational lighting at night (Moderate, adverse, not significant).	There is a low potential for combined effects arising from noise and vibration, air quality and disruption to views and from lighting. Combined these effects are unlikely to lead to an increased sense of disturbance for the receptors within Group D9 during operation and so no additional significant adverse inter-relationship effect is likely.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Removal and Reinstatement.			
	Noise and vibration levels during removal and reinstatement (Minor or Negligible, not significant).	Effects on health from particulate matter generated from removal and reinstatement activities (Negligible, not significant).	Views of construction activity, associated with removal and reinstatement phase, of the taller elements of the proposed development (Slight-minimal, adverse, not significant).	There is a low potential for combined effects arising from noise and vibration from construction and views of construction activity, combined these effects are unlikely to lead to an
	Vibration levels during removal and reinstatement (Negligible, not significant).	Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).		increased sense of disturbance for the receptors within Group D9 during the removal and reinstatement phase and so no additional significant adverse inter-relationship effect is likely.
Residential properties to the	Construction			
south-west of the East Suffolk Line to the south of the site. Figure 1.2 - D1, D2, D11	Construction noise (during Monday to Friday 07:00 to 19:00 and Saturday 07:00 to 13:00 working hours) (Minor or Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible , not significant).	No effects identified at receptor location.	There is low potential for combined effects on receptor groups D1, D2 and D11. Combined, these effects are unlikely to lead to an increased
Noise and Vibration – Receptor A - Properties in the area at southern end of site,	Construction vibration (Negligible, not significant).	Exhaust emissions from additional road vehicle movements during construction (Negligible , not significant).		sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during operation.
west of the rail line.	Operation			
B - Properties at the southern end of the site, east of the A12. Predominantly medium sensitivity.	Noise and vibration from operation of the proposed development (Minor or Negligible, not significant).	Exhaust emissions from additional road vehicle movements during operation (Minor adverse to negligible, not significant).	No effects identified at receptor location.	There is a low potential for combined effects arising from noise and vibration and air quality during operation. Combined these effects are unlikely likely to lead to an increased sense of disturbance for the receptors within Groups D1,
Air Quality - YX1 and YX16.				D2 and D11 during operation and so no additional significant adverse inter-relationship effect is likely.
<u>Landscape and Visual - No corresponding receptor group.</u>	Removal and reinstatement.			
Outside zone of theoretical visibility.		Effects on health from particulate matter generated from removal and reinstatement activities (Negligible, not significant).	No effects identified at receptor location.	There is low potential for combined effects on receptor groups D3, D4 and D5. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no
	Vibration levels during removal and reinstatement (Negligible, not significant).	Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).		additional significant adverse inter-relationship effect is likely during operation.
Residential properties on the western side of Main road				
adjacent to the eastern boundary of the site.	Construction noise (during Monday to Friday 07:00 to 19:00 and Saturday 07:00 to 13:00 working hours) (Minor or Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible , not significant).	towards views of perimeter fencing, with light columns and roofs of taller vehicles seen	arising from noise and vibration from construction and views of construction activity,
Figure 1.2 - D3, D4, D5	Construction vibration (Negligible, not significant).	Exhaust emissions from additional road vehicle movements during construction (Negligible, not	above planting and landscaped bund (Major-moderate adverse, significant).	combined these effects are likely to lead to an increased sense of disturbance for the receptors within Groups D3, D4 and D5 during the
Noise and Vibration - Receptor C - East of the A12, centre of the site.	Operation	significant).		construction phase and an additional significant adverse inter-relationship effect is likely.
Pacantar D. Proportion to the	Operation			
Receptor D - Properties to the west of the A12, to the east of the site.	Noise and vibration from operation of the proposed development (Minor or Negligible, not significant).	Exhaust emissions from additional road vehicle movements during operation (Minor adverse to negligible, not significant).	Views of perimeter fencing, with light columns and roofs of taller vehicles seen above planting and bunds during operation (Moderate to moderate-slight, adverse, not significant).	There is a high potential for combined effects arising from noise and vibration, air quality and disruption to views and from lighting. Combined these effects are likely to lead to an increased sense of disturbance for the receptors within



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Air Quality - Receptors YX13, YX11, YX11c, YX12 and YX12c.			Visibility of proposed operational lighting at night (Major-moderate, adverse, significant).	Groups D3, D4 and D5 during operation and an additional significant adverse inter-relationship effect is likely.
Landscape and visual -	Removal and reinstatement.			
Viewpoint 1 - Users of the cycle way along Willow Marsh Lane and Main Road, minor roads and local residents to north and east of the site and immediately adjacent to it.	Noise and vibration levels during removal and reinstatement (Minor or Negligible, not significant). Vibration levels during removal and reinstatement	Effects on health from particulate matter generated from removal and reinstatement activities (Negligible, not significant). Exhaust emissions from additional road vehicle		There is a high potential for combined effects arising from noise and vibration from construction and views of construction activity, combined these effects are likely to lead to an increased sense of disturbance for the receptors
, ,	(Negligible, not significant).	movements during removal and reinstatement (Negligible, not significant).	significant).	within Groups D3, D4 and D5 during the removal and reinstatement phase and an additional significant adverse inter-relationship effect is likely.
Residential properties on the western side of Main road	Construction		,	
adjacent to the eastern boundary of the site.	Construction noise (during Monday to Friday 07:00 to 19:00 and Saturday 07:00 to 13:00 working hours) (Minor or Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible , not significant).	Views of construction activity, progressing towards views of perimeter fencing, with light columns and roofs of taller vehicles seen above planting and landscaped bund (Major-	There is a high potential for combined effects arising from noise and vibration from construction and views of construction activity, combined these effects are likely to lead to an
<u>Noise and vibration</u> - Receptor E - Properties to the west of the	Construction vibration (Negligible, not significant)	Exhaust emissions from additional road vehicle movements during construction (Negligible , not significant).	moderate, adverse, significant).	increased sense of disturbance for the receptors within Groups D6 and D7 during the construction phase and an additional significant adverse inter-relationship effect is likely.
A12, to the north end of the east of the site.	Operation			
Air Quality - Receptors YX10 and YX10c. Landscape and visual -	Noise and vibration from operation of the proposed development (Minor or Negligible, not significant).	Exhaust emissions from additional road vehicle movements during operation (Minor adverse to negligible, not significant)	Views of perimeter fencing, with light columns and roofs of taller vehicles seen above planting and bunds during operation. (Moderate to moderate-slight adverse, not significant).	There is a high potential for combined effects arising from noise and vibration, air quality and disruption to views and from lighting, combined these effects are likely to lead to an increased sense of disturbance for the receptors within Groups D16 and D7 during operation and an
Viewpoint 1 - Users of the cycle way along Willow Marsh Lane and Main Road, minor roads			Visibility of proposed operational lighting at night. (Major-moderate, adverse, significant).	additional significant adverse inter-relationship effect is likely.
and local residents to north and east of the site and	Removal and reinstatement.			
immediately adjacent to it.	Noise and vibration levels during removal and reinstatement (Minor or Negligible, not significant).	from removal and reinstatement activities (Negligible, not significant)		There is a high potential for combined effects arising from noise and vibration from construction and views of construction activity, combined these effects are likely to lead to an
	Vibration levels during removal and reinstatement (Negligible, not significant).	Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).		increased sense of disturbance for the receptors within Groups D6 and D7 during the removal and reinstatement phase and so an additional significant adverse effect is likely.
Residential properties located	Construction			
along The Street to the east of the site. Figure 1.2 - D8	No effects identified at corresponding receptors.	Effects on health from particulate matter generated from construction activities (Negligible, not significant).	, , , , , , , , , , , , , , , , , , ,	There is low potential for combined effects on receptor group D8. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no
Air Quality - Receptor YX17.		Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		additional significant adverse inter-relationship effect is likely during the construction phase.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.		
<u>Landscape and Visual - </u> Visual	Operation	'				
receptor group 3.	No effects identified at corresponding receptors.	Exhaust emissions from additional road vehicle movements during operation (Minor adverse to negligible, not significant).		There is low potential for combined effects on receptor group D1. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during the operational phase.		
	Removal and Reinstatement.					
	No effects identified at corresponding receptors.	Effects on health from particulate matter generated from removal and reinstatement activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).	(Negligible, not significant).	There is low potential for combined effects on receptor group D8. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during the removal and reinstatement phase.		

Table 2B.3: Inter-relationship effects on residential receptors, commercial facilities, community facilities and schools from activity at the southern park and ride

Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.		
Rookery Farm, Hacheston.	Construction					
Figure 1.2 – WM1. Noise and Vibration – Receptor D. Air Quality – Receptors WM13 and WM14.	Construction noise during all phases and periods of work (Minor or Negligible, not significant). Construction vibration (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	No effects identified at receptor location.	There is low potential for combined effects on receptors at Rookery Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse interrelationship effect is likely during the construction phase.		
Landscape and Visual – No	Operation					
corresponding residential receptor. Outside of zone of visual influence.	Noise and vibration from operation of the proposed development (Negligible, not significant).	Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	No effects identified at receptor location.	There is low potential for combined effects on receptors at Rookery Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse interrelationship effect is likely during the operation phase.		
	Removal and Reinstatement.					
	Noise levels during removal and reinstatement (Minor or Negligible, not significant). Vibration levels during removal and reinstatement (Negligible, not significant).	Effects on health from particulate matter generated from removal and reinstatement activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).	No effects identified at receptor location.	There is low potential for combined effects on receptors at Rookery Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse interrelationship effect is likely during the removal and reinstatement phase.		



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Main Road.	Construction			
Figure 1.2 – WM2 Noise and Vibration – Receptor C. Air Quality – Receptor WM2.	Construction noise during all phases and periods of work (Minor or Negligible, not significant). Construction vibration (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	not significant).	There is low potential for combined effects on receptor group WM2. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during the construction phase.
Landscape and Visual -	Operation		1	
Representative viewpoint R8. Receptor – users of footpath, residents.	Noise and vibration from operation of the proposed development (Negligible , not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		There is low potential for combined effects on receptor group WM2. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during the construction phase.
	Removal and reinstatement.	<u> </u>	I	
	Noise levels during removal and reinstatement (Minor or Negligible, not significant). Vibration levels during removal and reinstatement (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		There is low potential for combined effects on receptor group WM2. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during the removal and reinstatement phase.
Ash View, Lower Hacheston.	Construction	•		
Figure 1.2 – WM3 Noise and Vibration – Receptor B. Air Quality – Receptor WM11	Construction noise during all phases and periods of work (Minor or Negligible, not significant). Construction vibration (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		There is low potential for combined effects on receptors at Ash View. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse interrelationship effect is likely during the construction phase.
Landscape and Visual - No	Operation	olymnount).		construction phase.
corresponding residential receptor. Outside zone of visual influence.	Noise and vibration from operation of the proposed development (Negligible not significant).	Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	•	There is low potential for combined effects on receptors at Ash View. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse interrelationship effect is likely during the operation phase.
	Removal and reinstatement.		I	, p.1.600.
	Noise levels during removal and reinstatement (Minor or Negligible, not significant). Vibration levels during removal and reinstatement (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		There is low potential for combined effects on receptors at Ash View. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse interrelationship effect is likely during the removal and reinstatement phase.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.	
Long Acre, Ash Rd, Lower	Construction				
<u>Hacheston</u> . <u>Figure 1.2</u> – WM4	No effects identified at receptor location	Effects on health from particulate matter generated from construction activities (Negligible , not significant).	No effects identified at receptors location.	There is no potential for combined effects on residents at Long Acre and so no additional significant adverse inter-relationship effect is	
Noise and Vibration – No corresponding residential receptor.		Exhaust emissions from additional road vehicle movements during construction (Negligible , not significant).		likely during the construction phase.	
Air Quality - Receptor WM6.	Operation				
Landscape and Visual - No corresponding residential receptor. Outside zone of	No effects identified at receptor location	Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	No effects identified at receptors location.	There is no potential for combined effects on residents at Long Acre and so no additional significant adverse inter-relationship effect is likely during the operation phase.	
visual influence.	Removal and reinstatement.				
	No effects identified at receptor location	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	No effects identified at receptors location.	There is no potential for combined effects on residents at Long Acre and so no additional significant adverse inter-relationship effect is likely during the removal and reinstatement phase.	
Bottle and Glass Cottages,	Construction				
Hacheston. Figure 1.2 – WM5 Noise and Vibration – Receptor A.	Construction noise during all phases and periods of work (Minor or Negligible, not significant). Construction vibration (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	Views of construction activity (Minimal, neutral, not significant).	There is a low potential for combined effects arising from noise and vibration and views of construction activity during construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for the residents at Bottle and Glass Cottages during construction, and so no additional significant	
Air Quality – Receptor WM12.				adverse inter-relationship effect is likely.	
Landscape and Visual -	Operation				
Representative viewpoint 5 – Footpath. E-178/003/0 & Station Road. Receptors - Motorists, users of nearby footpaths, residents along. Station Road.	Noise and vibration from operation of the proposed development (Negligible , not significant).	Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	Views of perimeter fencing with lighting columns and roofs of taller vehicles during operation (Minimal, neutral, not significant). Views of proposed lighting at night during operation (Moderate, adverse, not significant).	There is a low potential for combined effects arising from noise and vibration and views of construction activity and lighting during operation. Combined, these effects are unlikely to lead to an increased sense of disturbance for the residents at Bottle and Glass Cottages during operation, and so no additional significant adverse inter-relationship effect is likely.	
	Removal and Reinstatement.			•	
	Noise levels during removal and reinstatement (Minor or Negligible, not significant). Vibration levels during removal and reinstatement (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	Views of construction activity during removal and reinstatement (Minimal neutral, not significant).	There is a low potential for combined effects arising from noise and vibration and views of removal and reinstatement construction activity. Combined, these effects are unlikely to lead to an increased sense of disturbance for the residents at Bottle and Glass Cottages during removal and reinstatement, and so no additional significant adverse inter-relationship effect is likely.	



Table 2B.4: Inter-relationship effects on residential receptors, commercial facilities, community facilities and schools from activity at the two village bypass

Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Tinker Brook and Park Gate	Construction			
Farm. Figure 1.2 – TVB2 TVB1 Noise and Vibration – Receptor 2. Air Quality – Receptor WM1	Noise and vibration during set-up, site clearance and restoration (Negligible, significant). Noise and vibration during construction (Minor adverse, not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	Views of the construction activity (Slight, adverse, not significant).	There is low potential for combined effects on receptors at Tinker Brook and Park Gate Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during construction.
Landscape and Visual -	Operation			
Representative viewpoint 6 - Users of Tinker Brook to the west of the site, within approximately 250m, and residents along it: (group 5).	Daytime noise during construction of main development site (2028) (Moderate adverse, significant) Daytime noise during operation of main development site (2034) (Minor adverse, not significant)	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	Views of operation (Moderate, adverse, not significant). Views of proposed lighting at night during operation (Moderate, adverse, not significant).	There is high potential for combined effects on receptors at Tinker Brook and Park Gate Farm. Combined, these effects are likely to lead to an increased sense of disturbance for the receptors and so an additional significant adverse interrelationship effect is likely during operation.
The Red House, Main Road.	Construction		,	
Figure 1.2 – TVB3 Noise and Vibration – Receptors 3, 4 and 5. Air Quality – Receptor SX7 Landscape and Visual –	Noise and vibration during set-up, site clearance and restoration (Minor or Negligible, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	Views of the construction of the proposed River Alde overbridge (Major-moderate, adverse, significant).	There is high potential for combined effects or receptors at The Red House. Combined, these effects are likely to lead to an increased sense of disturbance for the receptors and so additiona significant adverse inter-relationship effect is likely during construction.
Representative viewpoint 7 -	Operation			
Pedestrians using the footways along the A12 and local residents along the A12 at Stratford St. Andrew (group 4).	Receptor 3 and 4 – during peak construction (2028) and operation c of main development site (2034) (Major beneficial, significant). Receptor 5 – noise during peak construction (2028) and operation (2034) of main development site (Negligible, not significant)	Effects on health from particulate matter generated from operation (Negligible to minor, beneficial, not significant). Exhaust emissions from additional road vehicle movements during operation (Moderate, beneficial, not significant).	Views of operation (Moderate, adverse, not significant). Views of proposed lighting at night during operation (Major-moderate, adverse, significant).	There is a high potential for combined effects arising from air quality and views of proposed lighting at night during operation on receptors at The Red House. Combined, these effects are likely to lead to a higher sense of disturbance during operation, these effects are likely to be significant.
Timbers, Main Road.	Construction		,	
Figure 1.2 – TVB4	Noise and vibration during construction (Minor or Negligible, not significant)	Effects on health from particulate matter generated from construction activities (Negligible , not significant).	Views of construction (Major-moderate adverse, significant).	There is high potential for combined effects on receptors at Timbers, Main Road, combined these effects are likely to lead to a higher sense of disturbance during construction, and therefore
Noise and Vibration – Receptors 6, 7, 8 and 9. Air Quality – Receptor SX6		Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		are likely to be significant.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Landscape and Visual - visual receptor group 4.	Noise during peak construction (2028) and operation (2034) of main development site (Moderate beneficial, significant)	Effects on health from particulate matter generated from operation (Negligible to minor beneficial, not significant). Exhaust emissions from additional road vehicle movements during operation (Moderate, beneficial, not significant).	Views of operation (Moderate adverse, not significant).	There is a low potential for combined effects arising from air quality and views of operation during operation on receptors at Timbers, Main Road. Combined, these effects are unlikely to lead to a lower sense of disturbance during operation due to the beneficial effects arising during operation, although these effects are unlikely to be significant.
The Street, Farnham.	Construction			drinkery to be digimioant.
Figure 1.2 – TVB5 Noise and Vibration – Receptors 20, 21, 22, 23, 24 and 25. Air Quality – Receptor SX15	Noise and vibration during set-up, site clearance and restoration (Minor or Negligible, not significant)		No effects identified at receptor location.	There is a low potential for combined effects arising from noise and vibration and air quality during construction on receptors at the Street. Combined, these effects are unlikely to lead to a lower sense of disturbance during operation due to the beneficial effects arising during construction, although these effects are unlikely to be significant.
Landscape and Visual - no	Operation			
corresponding residential receptor group Outside zone on visual influence. Hall Cottages and Farnham Hall, Farnham. Figure 1.2 – TVB6 and TVB7	significant) Receptor 25 during construction of main	from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Moderate, beneficial, not significant).	Views of construction of the proposed Foxburrow Wood overbridge (Majormoderate adverse, significant).	arising from noise and vibration from construction and views of construction activity.
Noise and Vibration – Receptors 13. Air Quality – Receptor SX9	Vibration during construction (Negligible, not significant)	Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		Combined these effects are likely to lead to an increased sense of disturbance for the receptors at Hall Cottages and Farnham Hall during the construction phase and an additional significant adverse inter-relationship effect is likely.
Landscape and Visual -	Operation			
Representative viewpoint 4 – residents around the southeast of Farnham and Farnham Hall (group 2).	Daytime noise during operation (peak construction 2028 and operation 2034) of main development site (Major adverse, significant).	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	overbridge (Moderate adverse, not significant).	There is a high potential for combined effects arising from noise and vibration from operation and views of the bridge and road. Combined these effects are likely to lead to an increased sense of disturbance for the receptors at Hall Cottages and Farnham Hall during the operation phase and so an additional significant adverse inter-relationship effect is likely.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Pond Barn Cottages, Farnham. Figure 1.2 – TVB8 Noise and Vibration – Receptor 12.	Noise during construction (Minor adverse, not significant). Vibration during construction (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	Views of the construction activity (Moderate, adverse, not significant).	There is low potential for combined effects on receptors at Pond Barn Cottages. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during the construction phase.
Air Quality – Receptor SX8	Operation			
Landscape and Visual – Representative viewpoint 5 – footpaths and local roads south of Farnham, as well as local residents along them (group 3).	Noise during operation (peak construction of main development site 2028) (Major adverse, significant).	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	Views of operation (Moderate adverse, not significant). Views of proposed lighting at night during operation (Slight, adverse, not significant).	There is high potential for combined effects on receptors at Pond Barn Cottages. Combined, these effects are likely to lead to an increased sense of disturbance for the receptors and so an additional significant adverse inter-relationship effect is likely during the operation phase.
Farnham Hall Farmhouse.	Construction			
Figure 1.2 – TVB10 Noise and Vibration – Receptor	Noise during construction (Minor adverse, not significant). Vibration during construction (Negligible, not	Effects on health from particulate matter generated from construction (Negligible , not significant). Exhaust emissions from additional road vehicle	Views of construction of the proposed Foxburrow Wood overbridge (Major-moderate adverse, significant).	There is high potential for combined effects on receptors at Farnham Hall Farmhouse. Combined, these effects are likely to lead to an increased sense of disturbance for the receptors
Air Quality – Receptor E23_T_1 to E23_T_17.	significant).	movements during construction (Negligible, not significant).		and so an additional significant adverse inter- relationship effect is likely during the construction phase.
	Operation			
Landscape and Visual – Users of footpaths and residents around the southeast of Farnham and Farnham Hall (group 2).	Noise during peak construction (2028) and operation (2034) of main development site (Major adverse , significant)	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	overbridge (Moderate adverse, not significant). Views of proposed lighting at night during operation (Slight, adverse, not significant).	There is high potential for combined effects on receptors at Farnham Hall Farmhouse. Combined, these effects are likely to lead to an increased sense of disturbance for the receptors and so an additional significant adverse interrelationship effect is likely during the operation phase.
Farnham Street Farm.	Construction			
Figure 1.2 – TVB12 Noise and Vibration – Receptor 17, 18, and 33.	Noise during construction (Minor adverse, not significant). Vibration during construction (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle		There is a high potential for combined effects arising from noise and vibration and air quality from construction and views of construction activity. Combined, these effects are likely to lead to an increased sense of disturbance for the
Air Quality – Receptor SX10.		movements during construction (Moderate, adverse, not significant).		receptors at Farnham Street Farm during the construction phase and an additional significant
<u>Landscape</u> and <u>Visual</u> – Representative viewpoint 2 –	Operation	Effects on books from positivitate mother managed	Views of the proposed contain records beaut	adverse inter-relationship effect is likely.
residents and visitors around Friday Street (group 1).	operation (2034) of main development site (Major adverse, significant)	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	during operation (Moderate, adverse, not significant). Views of proposed lighting at night during	There is a high potential for combined effects arising from noise and vibration from construction, air quality and views of construction activity. Combined, these effects are likely to lead to an increased sense of disturbance and so an additional significant adverse inter-relationship effect is likely.
Rosehill Cottages.	Construction			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Figure 1.2 – TVB13	Noise and vibration during set-up, site clearance and restoration (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible , not significant).	Views of the construction of the proposed eastern roundabout (Major-moderate, adverse, significant).	There is a high potential for combined effects arising from noise and vibration and air quality from construction, and views of construction.
Noise and Vibration – Receptor 19. Air Quality – Receptor SX10	Noise during construction (Minor, not significant) Vibration during construction (Negligible, not significant)	Exhaust emissions from additional road vehicle movements during construction (Moderate, adverse, not significant).		Combined, these effects are likely to lead to an increased sense of disturbance for receptors at Rosehill Cottages during the construction phase and an additional significant adverse interrelationship is likely.
Landscape and Visual -	Operation			
Representative viewpoint 2 – residents and visitors around Friday Street (group 1).	Noise during peak construction of main development site and busiest day (2028) (Moderate or major adverse, significant)	Effects on health from particulate matter generated from operation (Negligible , not significant). Exhaust emissions from additional road vehicle	Views of the proposed eastern roundabout during operation (Moderate, adverse, not significant).	There is a high potential for combined effects arising from noise and vibration from operation, and views of the site. Combined, these effects are likely to lead to an increased sense of
	(2034) (Negligible, not significant)	movements during operation (Negligible, not significant).	Views of proposed lighting at night during operation (Major-moderate, adverse, significant).	
Benhall Stock Cottages.	Construction			
Figure 1.2 – TVB11 Noise and Vibration –	significant)	Effects on health from particulate matter generated from construction activities (Negligible , not significant).		There is low potential for combined effects on receptors at Benhall Stock Cottages. Combined, these effects are unlikely to lead to an increased
Receptors 32 and 16.	Vibration during site set-up (Moderate or Minor adverse, not significant)	Exhaust emissions from additional road vehicle movements during construction (Negligible , not		sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely.
Air Quality – Receptor SX5.	Noise and vibration during construction (Negligible , not significant)	significant).		
<u>Landscape and Visual</u> – Visual receptor group 5.	Operation			
	Noise during peak construction (2028) and operation of main development site (2034) (Beneficial, significant)	Effects on health from particulate matter generated from construction activities (Negligible , not significant).		There is low potential for combined effects arising from noise and vibration and air quality from construction. Combined, these effects are not likely to lead to an increased sense of
		Exhaust emissions from additional road vehicle movements during construction (Moderate, beneficial, not significant).		disturbance for receptors at Benhall Stock Cottages during the operation phase so no additional significant adverse inter-relationship is likely



Table 2B.5: Inter-relationship effects on residential receptors, commercial facilities, community facilities and schools from activity at the Sizewell link road

Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Kelsale Lodge Cottages.	Construction			
Figure 1.2 – SLR2 Noise and Vibration – Receptor	Noise during preparatory works, restoration and main construction phase (negligible, not significant)	Effects on health from particulate matter generated from construction activities (Negligible , not significant).	Views of the construction of the proposed A12 roundabout and road and temporary contractor compounds (Major-moderate, adverse,	There is high potential for combined effects on receptors at Kelsale Lodge Cottages. Combined, these effects are likely to lead to an increased sense of disturbance for the receptors
29. <u>Air Quality</u> – Receptor YX4.	Vibration during preparatory works and restoration (minor adverse, not significant)	Exhaust emissions from additional road vehicle movements during construction (Negligible , not significant).	significant).	and so an additional significant adverse inter- relationship effect is likely during construction.
<u>Landscape and Visual</u> – Users of public footpaths and local	Vibration during main construction phase (negligible, not significant)			
residents west of the A12 for	Operation			
one field (between Kelsale Lodge and Long Wood) (group 2).	Operational noise during peak construction year (2028) and first year of operation of the main development site (negligible, not significant)	Effects on health from particulate matter generated from operation (Negligible, not significant).	Views of the proposed A12 roundabout (Slight, adverse, not significant).	There is low potential for combined effects on receptors at Kelsale Lodge Cottages. Combined, these effects are unlikely to lead to
		Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	Views of proposed lighting at night during operation (Moderate adverse, not significant).	an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during operation.
Fir Tree Farm.	Construction			
Figure 1.2 – SLR3 Noise and Vibration – Receptor	Noise during preparatory works, restoration and main construction phase (minor adverse, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant).	Views of the construction of the proposed A12 roundabout and road and temporary contractor compounds (Major-moderate to moderate, adverse, significant).	There is a high potential for combined effects from noise and vibration and views of construction. Combined, these effects are likely to lead to a slightly increased sense of
Air Quality – Receptor YX9.	Vibration during preparatory works and restoration (minor adverse, not significant)	Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		disturbance for receptors at Fir Tree Farm during the construction phase and so an additional significant adverse inter-relationship effect is
Landscape and Visual – Users of public footpaths and local residents between the	Vibration during main construction phase (negligible, not significant) Operation			likely.
boundary of Rookery Park to the north, the East Suffolk Line to the east, Town Farm Lane to the south and the A12 to the west (group 1).	Operational noise during peak construction year (2028) of the main development site (moderate adverse, significant) Operational noise during first year of operation of the main development site (negligible, not significant)	from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not	Views of the proposed A12 roundabout (Moderate, adverse, not significant). Views of proposed lighting at night during operation (Major-moderate, adverse, significant).	There is a high potential for combined effects from noise and vibration and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Fir Tree Farm during operation and so an additional significant adverse inter-relationship effect is likely.
The Red House Farm and	Construction			
Rosetta. Figure 1.2 – SLR 1 and SLR 4.	Receptors 30 and 32 - Noise during preparatory works, restoration and main construction phase (minor adverse, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant).	Views of the construction of the proposed A12 roundabout and road and temporary contractor compounds (Major-moderate, adverse, significant).	There is a high potential for combined effects from noise and vibration and views of construction. Combined, these effects are likely to lead to a slightly increased sense of
Noise and Vibration – Receptor 30, 31, 32. Air Quality – Receptor SX1.	Receptor 31 - Noise during preparatory works, restoration and main construction phase (negligible, not significant)	Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	Significant).	disturbance for receptors at The Red House Farm and Rosetta during the construction phase and so an additional significant adverse interrelationship effect is likely.
Landscape and Visual – Representative viewpoint 9 and group 2.	Receptors 30 and 32 – Vibration during preparatory works, restoration and main construction (minor adverse, not significant)			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Receptor 31 – Vibration during preparatory works, restoration and main construction (negligible , not significant)			
	Operation			
	Operational noise during peak construction year (2028) of the main development site (minor adverse, not significant) Operational noise during first year of operation of the		Views of the construction of the proposed A12 roundabout and road and temporary contractor compounds (Major-moderate, adverse, significant).	There is a high potential for combined effects arising from noise and vibration and air quality during operation. Combined, these effects are likely to lead to a sense of increased disturbance on receptors at The Red House Farm and
	main development site (negligible , not significant)	significant).		Rosetta during operation, and so an additional significant adverse inter-relationship effect is likely.
B1122 East of Yoxford.	Construction			
Noise and Vibration – Receptor 25.		Effects on health from particulate matter generated from construction activities (Negligible , not significant).	No effects identified at receptor location.	There is low potential for combined effects on receptors at B1122 East of Yoxford. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no
Air Quality – Receptor YX6. Landscape and Visual – No corresponding visual receptor	Vibration during preparatory works and restoration (minor adverse, not significant) Vibration during main construction phase	Exhaust emissions from additional road vehicle movements during construction (Negligible , not significant).		additional significant adverse inter-relationship effect is likely during construction.
group. Outside zone of visual influence.	(negligible, not significant) Operation			
	Operational noise during peak construction year (2028) of the main development site (minor adverse, not significant)		No effects identified at receptor location.	There is low potential for combined effects on receptors at B1122 East of Yoxford. Combined, these effects are unlikely to lead to an increased
	Operational noise during first year of operation of the main development site (negligible, not significant)			sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during operation.
Vale Cottage and Oakfield House.	Construction			
Figure 1.2 – SLR5 and SLR6		Effects on health from particulate matter generated from construction activities (Negligible , not significant).		There is a high potential for combined effects arising from noise and vibration and, views of construction and air quality during construction. Combined, these effects are likely to lead to a
Noise and Vibration – Receptor 19. Air Quality – Receptor YX5.	Vibration during preparatory works, restoration and main construction (negligible, not significant)	Exhaust emissions from additional road vehicle movements during construction (Negligible , not significant).		sense of increased disturbance on receptors at Vale Cottage and Oakfield House during construction, and so an additional significant
All Quality - Neceptor 175.	Operation			adverse inter-relationship effect is likely.
<u>Landscape and Visual</u> – Visual	Operation	Effects on health from particulate metter concreted	Views of operation (Moderate adverse not	There is a high notential for combined offects
receptor group 3.	Operational noise during peak construction year (2028) and first year of operation of the main development site (major adverse, significant)	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	Views of operation (Moderate, adverse, not significant). Views of proposed lighting at night during operation (Moderate, adverse, not significant).	There is a high potential for combined effects arising from noise and vibration and, views of lighting and air quality during operation. Combined, these effects are likely to lead to a sense of increased disturbance on receptors at Vale Cottage and Oakfield House during operation, and so an additional significant adverse inter-relationship effect is likely.
	Construction			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Valley Farm House, Annesons Cottage and Coronation Cottages. Figure 1.2 – SLR11 and SLR12. Noise and Vibration – Receptor 10, 11, 20, 21 and 22. Air Quality – Receptor YX7.	Noise during preparatory works, restoration and main construction phase (minor adverse, not significant) Receptors 10, 20 and 22 – Vibration during preparatory works, restoration and main construction (negligible, not significant) Receptors 11 and 21 - during preparatory works, restoration and main construction (minor adverse, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		There is a high potential for combined effects arising from noise and vibration and, views of construction and air quality during construction. Combined, these effects are likely to lead to a sense of increased disturbance on receptors at Valley Farm House, Annesons Cottage and Coronation Cottages during construction, and so an additional significant adverse interrelationship effect is likely.
	Operation			
Landscape and Visual — Representative viewpoint 5 and group 4.	Receptor 10 - Operational noise during peak construction year (2028) and first year of operation of the main development site (minor beneficial, not significant) Receptor 11 - Operational noise during peak construction year (2028) (negligible, not significant) Receptor 11 - Operational noise during first year of operation of the main development site (moderate beneficial, significant) Receptor 20 - Operational noise during peak construction year (2028) of the main development site (major adverse, significant) Receptor 20 - Operational noise during first year of operation of the main development site (moderate adverse, significant) Receptors 21 and 22 - Operational noise during peak construction year (2028) of the main development site (minor beneficial, not significant) Receptors 21 and 22 - Operational noise during first year of operation of the main development site (minor beneficial, not significant)	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	Views of operation (Moderate, adverse, not significant). Views of proposed lighting at night during operation (Moderate, adverse, not significant).	There is a high potential for combined effects arising from noise and vibration and, views of construction and air quality during operation. Combined, these effects are likely to lead to a sense of increased disturbance on receptors at Valley Farm House, Annesons Cottage and Coronation Cottages during construction, and so an additional significant adverse interrelationship effect is likely.
Forge Cottage and Walnut	Construction			
Cottage.		Effects on health from particulate metter generated	Views of construction activity (Maior	There is a high notantial for combined effects
Figure 1.2 – SLR14 and SLR15 Noise and Vibration – Receptors 15, 16 and 28. Air Quality – Receptors LE5 and LE6.	Receptor 15 - Noise during preparatory works, restoration and main construction phase (minor adverse, not significant) Receptors 16 and 28 - Noise during preparatory works, restoration and main construction phase (negligible, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		There is a high potential for combined effects arising from noise and vibration from construction and views of construction activity. Combined, these effects are likely to lead to an increased sense of disturbance for the receptors at Forge Cottage and Walnut Cottage during the construction phase and an additional significant adverse inter-relationship effect is likely and an additional significant adverse inter-relationship effect is likely.



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Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
<u>Landscape</u> and <u>Visual</u> – Representative viewpoint 1 and group 7.	Vibration during preparatory works, restoration and main construction phase (negligible, not significant) Operation			
	Receptors 15 and 16 - Operational noise during peak construction year (2028) (major adverse, significant) Receptors 15 and 16 - Operational noise during first year of operation of the main development site (minor adverse, not significant) Receptor 28 - Operational noise during peak construction year (2028) and first year of operation of the main development site (major beneficial, significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible (LE5) to minor beneficial (average and busiest day) (LE6), not significant).	Views of operation (Moderate, adverse, not significant).	There is a high potential for combined effects arising from noise and vibration from operation and views of the operational road. Combined, these effects are likely to lead to an increased sense of disturbance for the receptors at Forge Cottage and Walnut Cottage during the operation phase and so an additional significant adverse inter-relationship effect is likely.
The Granary and Theberton	Construction		<u> </u>	<u> </u>
Grange. Figure 1.2 – SLR 17 Noise and Vibration – Receptor 17 and 38. Air Quality – Receptor LE4.	Noise during preparatory works, restoration and main construction phase (minor adverse, not significant Vibration during preparatory works, restoration and main construction phase (negligible, not significant)			There is low potential for combined effects on receptors at The Granary and Theberton Grange. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during construction.
Landarana and Maual	Operation		<u> </u>	
Landscape and Visual – no corresponding visual receptor group. Outside zone of visual influence.	Operational noise during peak construction year (2028) (major adverse, significant) Receptor 17 - Operational noise during first year of operation of the main development site (moderate adverse, significant) Receptor 38 - Operational noise during first year of operation of the main development site (negligible, not significant)	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	No effects identified at receptor location.	There is high potential for combined effects on receptors at The Granary and Theberton Grange. Combined, these effects are likely to lead to an increased sense of disturbance for the receptors and so an additional significant adverse inter-relationship effect is likely during operation.

Table 2B.6: Inter-relationship effects on residential receptors, commercial facilities, community facilities and schools from activity at the Yoxford roundabout and other highway improvements

Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
High Street, Cavan Cottage,	Construction			
and surrounding properties.		Effects on health from particulate matter generated from construction activities (Negligible, not	Change to channelled view towards existing	There is a low potential for combined effects
<u>Figure 1.3</u> – YOX1 & YOX7	construction works (negligible, not significant)	significant).	A12/B1122 junction (Slight, adverse, not significant).	arising from noise and vibration and views of the construction. Combined, these effects are
Noise and Vibration – Receptor 10, 11, 12, 13.	Noise and vibration of construction of A12/A144	Exhaust emissions from additional road vehicle movements during construction (Negligible , not		unlikely to lead to an increased sense of disturbance for the receptors at High Street, Cavan Cottage, and surrounding properties
		significant).		Cavair Collage, and Surrounding properties

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Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Air Quality – Receptors YX2. Landscape and Visual –				during the construction phase and so no additional significant adverse inter-relationship effect is likely.
Representative viewpoint R4.	Operation			
	Noise from the operation of the road in 2028 and 2028 busiest period (negligible, not significant) Noise during operation in 2034 (negligible, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	Change to channelled view towards existing A12/B1122 junction (Slight, adverse, not significant). Visibility of proposed lighting at night (Minimal neutral, not significant).	There is a low potential for combined effects arising from noise and vibration from operation and views of the roundabout. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors at High Street, Cavan Cottage, and surrounding properties during operation and so no additional significant adverse inter-relationship effect is likely.
Brook Street, Woodland Cottages, White House /	Construction			
Cottages, White House / Lodge. Figure 1.3 – YOX2 Noise and Vibration – Receptor 1 and 4. Air Quality – YX3. Landscape and Visual – Representative Viewpoint 3.	Noise from roundabout site preparation works, main construction works and vibration during main construction works (negligible, not significant) Receptor 4 - Noise and vibration of construction of A12/A144 junction improvement works (negligible, not significant) Receptor 1 - Noise and vibration of construction of A12/A144 junction improvement works (minor adverse, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		There is a low potential for combined effects arising from noise and vibration, air quality and views of the construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors at Brook Street, Woodland Cottages and White House / Lodge during the construction phase and so no additional significant adverse inter-relationship effect is likely.
Representative viewpoint 5.	Operation			
	Noise from the operation of the road in 2028 and 2028 busiest period (negligible, not significant) Noise during operation in 2034 (negligible, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	not significant).	There is a low potential for combined effects arising from noise and vibration, air quality and views of the construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors at Brook Street, Woodland Cottages and White House / Lodge during operation and so no additional significant adverse inter-relationship effect is likely.
Rookery Lodge, Pinn's Piece	Construction			
and Sans Souci. Figure 1.3 – YOX3 Noise and Vibration – Receptor 5, 6, 7. Air Quality – YX18. Landscape and Visual – Representative Viewpoint 3.	preparation works, main construction works and vibration during main construction works (negligible, not significant) Receptor 5 - Noise from roundabout site preparation works (negligible, not significant), Receptor 5 - noise from roundabout main construction works (minor adverse, not	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	adverse, not significant).	There is a low potential for combined effects arising from noise and vibration, air quality and views of the construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors at Rookery Lodge, Pinn's Piece and Sans Souci during the construction phase and so no additional significant adverse inter-relationship effect is likely.
	significant) Receptor 5 – Vibration during construction of roundabout (negligible, not significant)			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Noise and vibration of construction of A12/A144 junction improvement works (negligible, not significant)			
	Operation		I	
	Noise from the operation of the road in 2028 and 2028 busiest period (negligible, not significant) Noise during operation in 2034 (negligible, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	associated infrastructure (moderate adverse, not significant). Visibility of proposed lighting at night (Slight	views of the construction. Combined, these effects are unlikely to lead to an increased sense
Sunnypatch, Middleton Road,	Construction			
The Old Barn Rookery Cottages and the Barn. Figure 1.3 – YOX4 and YOX5.		Effects on health from particulate matter generated from construction activities (Negligible , not significant).		There is a low potential for combined effects arising from noise and vibration, air quality and views of the construction. Combined, these effects are unlikely to lead to an increased sense
Noise and Vibration – Receptor 14, 15, 8 and 9.	Receptors 15, 8 and 9 - Noise from roundabout site preparation works (minor adverse, not significant),	Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		of disturbance for the receptors at Sunnypatch, Middleton Road, The Old Barn Rookery Cottages and the Barn during the construction phase and so no additional significant adverse
Air Quality – YX6 and YX19. Landscape and Visual – Representative viewpoint 2.	Receptors 15, 8 and 9 – noise from roundabout main construction works (minor adverse, not significant)			inter-relationship effect is likely.
	Receptor 9 – Vibration during compaction of temporary constructors' compound (moderate adverse, not significant due to duration)			
	Receptor 8 – Vibration during earthworks of roundabout (minor adverse, not significant)			
	Vibration during all phases of construction (negligible, not significant)			
	Noise and vibration of construction of A12/A144 junction improvement works (negligible, not significant)			
	Operation		1	1
	Noise from the operation of the road in 2028 and 2028 busiest period (minor adverse, not significant)	Effects on health from particulate matter generated from construction activities (Negligible , not significant).		There is a low potential for combined effects arising from noise and vibration, air quality and views of the construction. Combined, these effects are unlikely to lead to an increased sense
	Noise during operation in 2034 (negligible, not significant)	Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	Visibility of proposed lighting at night (Slight adverse, not significant).	of disturbance for the receptors at Sunnypatch, Middleton Road, The Old Barn Rookery Cottages and the Barn operation and so no additional significant adverse inter-relationship effect is likely.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Cockfield Hall Lodge and	Construction			
surrounding properties.	Noise from roundabout site preparation works	Effects on health from particulate matter generated		There is a low potential for combined effects
Figure 1.3 – YOX6	(minor adverse, not significant), Vibration during earthworks of roundabout (minor	from construction activities (Negligible, not significant).	vegetation (Minimal, neutral, not significant).	arising from noise and vibration, air quality and views of the construction. Combined, these
Noise and Vibration – 23	adverse, not significant)	Exhaust emissions from additional road vehicle		effects are unlikely to lead to an increased sense of disturbance for the receptors at Cockfield Hall
Air Quality – Receptor YX20.	Noise and vibration of construction of A12/A144 junction improvement works (negligible, not	movements during construction (Negligible, not significant).		Lodge during the construction phase and so no additional significant adverse inter-relationship
Landscape and Visual -	significant)			effect is likely.
Representative Viewpoint 1.	Operation		,	
	Noise from the operation of the road in 2028 and 2028 busiest period (minor adverse, not significant)	Effects on health from particulate matter generated from construction activities (Negligible , not significant).	Visibility of tops of proposed lighting columns and glimpses of road infrastructure (Slight adverse, not significant).	There is a low potential for combined effects arising from noise and vibration, air quality and views of the construction. Combined, these effects are unlikely to lead to an increased sense
	Noise during operation in 2034 (negligible, not significant)	Exhaust emissions from additional road vehicle movements during construction (Negligible , not significant).	Visibility of proposed lighting at night (Slight adverse, not significant).	of disturbance for the receptors at Cockfield Hall Lodge during operation and so no additional significant adverse inter-relationship effect is likely.

Table 2B.7: Inter-relationship effects on residential receptors, commercial facilities, community facilities and schools from activity at the freight management facility

Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.	
1 and 2 Keepers Cottages.	Construction				
Figure 1.2 – FMF3 Noise and Vibration – 1 and 2 Keepers Cottages. Air Quality – Receptors BK8 and BK8c. Landscape and Visual –	Construction noise (no higher than minor adverse, not significant). Construction vibration (negligible, not significant).	Effects on amenity or health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (negligible, not significant).	Views of construction activity, (Major-moderate, adverse significant).	There is a high potential for combined effects arising from noise and vibration from construction, air quality and views of construction activity. Combined, these effects are likely to lead to an increased sense of disturbance for the receptors at 1 and 2 Keepers Cottage during the construction phase and an additional significant adverse inter-relationship effect is likely and so an additional significant	
Representative Viewpoint 1.	Operation adverse inter-relationship effect is likely.				
	Noise and vibration from operation of the proposed development (negligible, not significant).	Effects on health from particulate matter generated from operation (Negligible , not significant). Exhaust emissions from additional road vehicle movements during operation (negligible , not significant).		There is a low potential for combined effects arising from noise and vibration, air quality and views of the operational freight management facility. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors at 1 and 2 Keepers Cottage during operation and so no additional significant adverse inter-relationship effect is likely.	
	Removal and Reinstatement				
	Noise during removal and reinstatement (no higher than minor adverse, not significant).	Effects on amenity or health from particulate matter generated from construction activities (Negligible , not significant).	Views of construction activity, (Major-moderate, adverse significant).	There is a high potential for combined effects arising from noise and vibration from construction, air quality and views of	
	Vibration from removal and reinstatement (negligible, not significant).			construction activity. Combined, these effects are likely to lead to an increased sense of	



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
		Exhaust emissions from additional road vehicle movements during construction (negligible, not significant).		disturbance for the receptors at 1 and 2 Keepers Cottage during the construction phase and an additional significant adverse inter-relationship effect is likely and so an additional significant adverse inter-relationship effect is likely.
Property Adjacent Walk Barn.	Construction			
Figure 1.2 – FMF2 Noise and Vibration – No corresponding residential receptor. Air Quality – BK 4	No effects identified at receptor location.	Effects on amenity or health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (negligible, not significant).	No effects identified at receptor location.	There is no potential for combined effects on receptors at Property Adjacent Walk Barn and so no additional significant adverse interrelationship effect is likely during construction.
MI Quality DIC 4	Operation			
<u>Landscape and Visual</u> – No corresponding visual receptor group.	No effects identified at receptor location.	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (negligible, not significant).	No effects identified at receptor location.	There is no potential for combined effects on receptors at Property Adjacent Walk Barn and so no additional significant adverse interrelationship effect is likely during operation.
	Removal and reinstatement.			
	No effects identified at receptor location.	Effects on amenity or health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (negligible, not significant).		There is no potential for combined effects on receptors at Property Adjacent Walk Barn and so no additional significant adverse interrelationship effect is likely during removal and reinstatement.
Woodland View.	Construction	,		
Figure 1.2 – FMF1 Noise and Vibration – No corresponding residential receptor. Air Quality Receptor RK 6	No effects identified at receptor location.	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (negligible, not significant).		There is no potential for combined effects on receptors at Woodland View and so no additional significant adverse inter-relationship effect is likely during construction.
Air Quality – Receptor BK 6.	Operation	,		
<u>Landscape and Visual</u> – No corresponding visual receptor group.	No effects identified at receptor location.	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (negligible, not significant).	·	There is no potential for combined effects on receptors at Woodland View and so no additional significant adverse inter-relationship effect is likely during operation.
	Removal and reinstatement.	,	•	
	No effects identified at receptor location.	Effects on health from particulate matter generated from removal and reinstatement activities (Negligible, not significant).	No effects identified at receptor location.	There is no potential for combined effects on receptors at Woodland View and so no additional significant adverse inter-relationship effect is likely during removal and restoration.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
		Exhaust emissions from additional road vehicle movements during removal and reinstatement activities (Negligible, not significant).		

Table 2B.8: Inter-relationship effects on residential receptors, commercial facilities, community facilities and schools from activity at the rail proposals

Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.	
Abbey Lodge Farm	Construction				
Figure 1.2 – GR1 Noise and Vibration – No corresponding residential receptor	Noise and vibration during construction (Negligible or minor, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	No effects identified at receptor location.	There is low potential for combined effects on receptors at Abbey Lodge Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during construction.	
Air Quality - Receptor	Operation				
LE3. Landscape and Visual – No corresponding visual receptor group.	Night time and daytime noise during operation of the rail extension and branch line (Negligible, not significant) Night time noise during operation of the east Suffolk line (Negligible, not significant) Daytime noise during operation of the east Suffolk line (Low, not significant)		No effects identified at receptor location.	There is low potential for combined effects on receptors at Abbey Lodge Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during operation.	
	Removal and Reinstatement.				
		Effects on health from particulate matter generated from removal and reinstatement activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).	No effects identified at receptor location.	There is low potential for combined effects on receptors at Abbey Lodge Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during removal and reinstatement.	
Old Abbey Farm	Construction	(**************************************			
Figure 1.2 – GR2 Noise and Vibration – Receptor 8. Air Quality – Receptor LE17.	Noise and vibration during construction (Negligible or minor, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not	No effects identified at receptor location.	There is low potential for combined effects on Old Abbey Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during construction.	
Landarana and Visual No.	Operation	significant).			
<u>Landscape and Visual</u> – No corresponding visual receptor group.	Night time and daytime noise during operation of the rail extension and branch line (Negligible, not significant) Night time noise during operation of the east Suffolk line (Negligible, not significant)	from operation (Negligible, not significant). Exhaust emissions from additional road vehicle	No effects identified at receptor location.	There is low potential for combined effects on Old Abbey Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during Operation.	



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Daytime noise during operation of the east Suffolk line (Low, not significant)			
	Removal and reinstatement.			
		Effects on health from particulate matter generated from removal and restoration (Negligible, not significant). Exhaust emissions from additional road vehicle movements during removal and restoration	No effects identified at receptor location.	There is low potential for combined effects on Old Abbey Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during removal and reinstatement.
Pro Corda	Construction	(Negligible, not significant).		
Figure 1.2 – GR4 Noise and Vibration – Receptor 7 Air Quality – Receptor LE15 and LE16.	Noise and vibration during construction (Negligible or minor, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		There is low potential for combined effects on Pro Corda. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during construction.
and LE 16.	Operation	,		
Landscape and Visual – Representative Viewpoint 1 (although viewpoint is more elevated - group 3).	Night time and daytime noise during operation of the rail extension and branch line (Negligible, not significant) Night time noise during operation of the east Suffolk line (Negligible, not significant)		Glimpsed views of trains and bunds through Abbey Lane vegetation and more open views of Abbey Road level crossing (Slight, adverse, not significant).	There is low potential for combined effects on Pro Corda. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during operation.
	Daytime noise during operation of the east Suffolk line (Low, not significant) Removal and reinstatement.			
	Noise and vibration during removal and	Effects on health from particulate matter generated from removal and reinstatement (Negligible, not significant). Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).	Glimpsed views of construction (Slight, adverse, not significant).	There is low potential for combined effects on Pro Corda. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during removal and reinstatement.
105 Abbey Road	Construction	(gg.isio, not orginioditt).	1	1
Figure 1.2 – GR6 Noise and Vibration – Receptor 3 and 4	Noise and vibration during construction (Negligible or minor, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant).		receptors at 105 Abbey Road. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no
Air Quality – Receptor LE2 and LE19.		Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		additional significant adverse inter-relationship effect is likely during construction.
	Operation			,
Landscape and Visual – Close to representative Viewpoint 2 (group 1).	Night time and daytime noise during operation of the branch line and rail extension during the early years (Negligible, not significant)	Effects on health from particulate matter generated from operation (Negligible , not significant).	Views of trains and bunds through garden vegetation (Moderate, adverse, not significant).	There is no potential for combined effects on receptors at 105 Abbey Road. Combined, these effects are unlikely to lead to an increased sense



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Rail extension and branch line during later years at Receptor 3 (Low, not significant) Night time noise during operation of the east Suffolk line (Negligible, not significant)	Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	Visibility of proposed lighting at night. (Minimal, neutral, not significant).	of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during operation.
	Daytime noise during operation of the east Suffolk line (Low, not significant)			
	Removal and reinstatement.			
		Effects on health from particulate matter generated from removal and reinstatement (Negligible , not significant).		There is low potential for combined effects on receptors at 105 Abbey Road. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no
Dhaaniy Cattoga Hading Way	Construction	Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).		additional significant adverse inter-relationship effect is likely during removal and reinstatement.
Phoenix Cottage, Harling Way, Leiston and Highbury Cottages	Construction			
Figure 1.2 – GR13, GR14 and GR15	Noise and vibration during construction (Negligible or minor, not significant)	Effects on health from particulate matter generated from construction activities (Negligible , not significant).	· · · · · · · · · · · · · · · · · · ·	There is low potential for combined effects on properties at Phoenix Cottage, Harling Way, Leiston and Highbury Cottages. Combined, these effects are unlikely to lead to an increased
Noise and Vibration – Receptor 9.		Exhaust emissions from additional road vehicle movements during construction (Negligible , not significant).		sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during construction.
Air Quality - Receptor LE20,	Operation			
LE21 and LE22. Landscape and Visual – Visual receptor group 1.	Night time and daytime noise during operation of the rail extension and branch line (Negligible, not significant)	Exhaust emissions from additional road vehicle	Views of operation (Moderate adverse, not significant).	There is low potential for combined effects on properties at Phoenix Cottage, Harling Way, Leiston and Highbury Cottages. Combined, these effects are unlikely to lead to an increased
	Night time noise during operation of the east Suffolk line (Negligible, not significant)	movements during operation (Negligible, not significant).		sense of disturbance for the receptors and so no additional significant adverse interrelationship effect is likely during operation.
	Daytime noise during operation of the east Suffolk line (Low, not significant) Removal and Reinstatement.			. , , , ,
	· · · · · · · · · · · · · · · · · · ·	Effects on health from particulate matter generated from removal and reinstatement (Negligible , not significant).	Views of removal and reinstatement activity (Minimal adverse, not significant).	There is low potential for combined effects on properties at Phoenix Cottage, Harling Way, Leiston and Highbury Cottages. Combined, these effects are unlikely to lead to an increased
		Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).		sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during removal and reinstatement.
Wood Farm Cottages,	Construction			
Westward Ho Figure 1.2 – GR16	Noise and vibration during construction (Negligible or minor, not significant)	Effects on health from particulate matter generated from construction activities (Negligible , not significant).		There is low potential for combined effects on properties at Westwood Farm Cottages. Combined, these effects are unlikely to lead to an increased sense of disturbance for the
Noise and Vibration – Receptor 9		Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		receptors and so no additional significant adverse inter-relationship effect is likely during construction.



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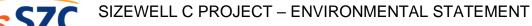
Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Air Quality – Receptor LE56.	Operation			
Landscape and Visual – Representative viewpoint 7 (group 1).	Night time and daytime noise during operation of the rail extension and branch line (Negligible, not significant) Night time noise during operation of the east Suffolk line (Negligible, not significant)		Occasional views of trains and bunds through garden/trackside vegetation (Moderate, adverse, not significant). Visibility of proposed lighting at night. (Minimal, neutral, not significant).	There is low potential for combined effects on properties at Westwood Farm Cottages. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during operation.
	Daytime noise during operation of the east Suffolk line (Low, not significant) Removal and Reinstatement.			ореганоп.
	Noise and vibration during removal and	Effects on health from particulate matter generated from removal and reinstatement (Negligible , not significant).	Views of construction (Minimal, adverse, not significant).	properties at Westwood Farm Cottages. Combined, these effects are unlikely to lead to an increased sense of disturbance for the
		Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).		receptors and so no additional significant adverse inter-relationship effect is likely during removal and reinstatement.
<u>Leiston House Farm</u>	Construction			
Figure 1.2 – GR17 Noise and Vibration – Receptor	Noise and vibration during construction (Negligible or minor, not significant)	Effects on health from particulate matter generated from construction activities (Negligible , not significant).	No effects identified at receptor location.	There is low potential for combined effects on properties at Leiston House Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no
5. <u>Air Quality</u> – Receptor LE55.		Exhaust emissions from additional road vehicle movements during construction (Negligible , not significant).		additional significant adverse inter-relationship effect is likely during construction.
Landscape and Visual - No	Operation			
corresponding visual receptor group.	Night time and daytime noise during operation of the rail extension and branch line (Negligible, not significant) Night time noise during operation of the east Suffolk line (Negligible, not significant)		No effects identified at receptor location.	There is low potential for combined effects on properties at Leiston House Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during operation.
	Daytime noise during operation of the east Suffolk line (Low, not significant) Removal and Reinstatement.			
		Effects on health from particulate matter generated from removal and reinstatement (Negligible , not significant).	No effects identified at receptor location.	There is low potential for combined effects on properties at Leiston House Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no
		Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).		additional significant adverse inter-relationship effect is likely during removal and reinstatement.
<u>Fisher's Farm</u>	Construction			
Figure 1.2 – GR18 Noise and Vibration – Receptor 6.	Noise and vibration during construction (Negligible or minor, not significant)	Effects on health from particulate matter generated from construction activities (Negligible , not significant).		There is low potential for combined effects on receptors at Fisher's Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during construction.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Air Quality – Receptor LE23. Landscape and Visual –		Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		
Representative viewpoint 4	Operation			
(although viewpoint is more open - group 2).	Night time and daytime noise during operation of the rail extension and branch line (Negligible, not significant) Night time noise during operation of the east Suffolk line (Negligible, not significant)	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	Views of proposed lighting columns and operational vehicles and infrastructure (Majormoderate, adverse, not significant). Visibility of proposed lighting at night (Minimal, adverse, not significant).	There is low potential for combined effects on receptors at Fisher's Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during operation.
	Daytime noise during operation of the east Suffolk line (Low, not significant)			
	Removal and Reinstatement.			
		Effects on health from particulate matter generated from removal and reinstatement (Negligible, not significant). Exhaust emissions from additional road vehicle	Views of construction associated with removal and restoration (Minimal, neutral, not significant).	There is low potential for combined effects on receptors at Fisher's Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship
		movements during removal and reinstatement (Negligible, not significant).		effect is likely during removal and reinstatement.
Abbey Lane (Gypsy Lodge)	Construction	, ,	•	•
Figure 1.2 – GR19 Noise and Vibration – Receptor 6.	Noise and vibration during construction (Negligible or minor, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant).	Views of construction activity (Moderate adverse, not significant).	receptors at Abbey Lane. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no
Air Quality – Receptor LE54.		Exhaust emissions from additional road vehicle movements during construction (Negligible , not significant).		additional significant adverse inter-relationship effect is likely during construction.
Landscape and Visual – Visual	Operation			
receptor group 5.	Night time and daytime noise during operation of the rail extension and branch line (Negligible , not significant)	from operation (Negligible, not significant).	Views of operation (Moderate adverse, not significant).	There is low potential for combined effects on receptors at Abbey Lane. Combined, these effects are unlikely to lead to an increased sense
	Night time noise during operation of the east Suffolk line (Negligible, not significant)	Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).		of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during operation.
	Daytime noise during operation of the east Suffolk line (Low, not significant)			
	Removal and Reinstatement.			
		Effects on health from particulate matter generated from removal and reinstatement (Negligible , not significant).	Views of removal and reinstatement (Moderate adverse, not significant).	There is low potential for combined effects on receptors at Abbey Lane. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no
		Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).		additional significant adverse inter-relationship effect is likely during removal and reinstatement.
Aldhurst Farm Cottage	Construction			
Figure 1.2 – GR20	Noise and vibration during construction (Negligible or minor, not significant).	Effects on health from particulate matter generated from construction activities (Negligible , not significant).		There is low potential for combined effects on receptors at Aldhurst Farm Cottage. Combined, these effects are unlikely to lead to an increased



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Noise and Vibration – Receptor 1. Air Quality – Receptor LE18.		Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during construction.
Landarana and Marral	Operation			
Landscape and Visual – Representative viewpoint 5 (although viewpoint is more open - group 2).	Night time and daytime noise during operation of the rail extension and branch line (Negligible, not significant) Night time noise during operation of the east Suffolk line (Negligible, not significant) Daytime noise during operation of the east Suffolk line (Low, not significant)	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	Views of proposed lighting columns and operational vehicles and infrastructure (Majormoderate, adverse, not significant). Visibility of proposed lighting at night (Minimal, adverse, not significant).	There is low potential for combined effects on receptors at Aldhurst Farm Cottage. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during operation.
	Removal and Reinstatement.	I	I	
	Noise and vibration during removal and reinstatement (Negligible or minor, not significant).	Effects on health from particulate matter generated from removal and reinstatement (Negligible, not significant). Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).	Views of construction associated with removal and restoration (Major-moderate, adverse, not significant).	There is low potential for combined effects on receptors at Aldhurst Farm Cottage. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during removal and reinstatement.





APPENDIX 2B: ASSESSMENT OF INTER-RELATIONSHIP EFFECTS ON RESIDENTIAL PROPERTIES, COMMERCIAL FACILITIES, COMMUNITY FACILITIES AND SCHOOLS (Tracked changes version)

Revision history / Record of comments

Revision	Amendment	Ву	Date
01	Original version [APP-576]	SZC Co.	May 2020
02	Updates to receptor numbers and other minor corrections	SZC Co.	November 2020



SIZEWELL C PROJECT – ENVIRONMENTAL STATEMENT

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Table 2B.1: Potential for inter-relationship effects on residential receptors, commercial facilities, community facilities and schools from activity at the main development site

Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Abbey Cottage.	Construction			
Figure 1.7 — main development site 1. Noise and Vibration - Receptor 1. Air Quality — Receptor LE28. Landscape and Visual — Receptor group 14.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1A (Moderate adverse, significant). Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1B/2, Phase 3 and 4 and Phase 5 (average day) (Minor adverse, not significant). Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 3 and 4 and Phase 5 (average day) (Negligible, not significant) Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 5 (busiest day) (Moderate adverse, significant). Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles (Minor adverse, not significant). Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Minor adverse, not significant). Construction noise during the night (2300-0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Negligible, not significant). Construction vibration when vibratory compaction is occurring in Phase 1 and 2 and during preparation of LEEIE (Minor adverse, not significant). Construction vibration during breaking out and soil spreading during Phase 5 (Negligible, not significant).	Exhaust emissions from additional road vehicle movements and combustion emissions during	Views of construction (Major-moderate, adverse, significant).	There is high potential for combined effects arising from noise and vibration, air quality and views on construction on the receptor Abbey Cottage. Combined, these effects are likely to lead to an increased sense of disturbance during construction and an additional significant adverse inter-relationship effect is likely.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Construction road traffic on surrounding network			
	(Negligible or minor, not significant). Operation		<u> </u>	
	Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant). Operational road traffic noise during 2034	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Moderate, adverse, not significant).	There is low potential for combined effects from noise and vibration, and views of construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptor at Abbey Cottage during the operation and so additional significant adverse inter-relationship effect is unlikely.
1 Upper Abbey	(Negligible, not significant) Construction			
Farmhouse.		Effects on health from particulate matter		There is high potential for combined effects arising from air
Figure 1.7 – main development site 4.	Not assessed during construction due to the nature of the receptor (vacant during construction).	generated from construction activities (Minor adverse to negligible, not significant).	Views of Not assessed during construction (Major -moderate, adverse, significant due to the nature of the receptor (vacant during construction).	quality and views on construction on the receptor 1 Upper Abbey Farmhouse. Combined, these effects are likely to lead to an increased sense of disturbance during construction and
Noise and Vibration – No corresponding residential		Exhaust emissions from additional road vehicle movements and combustion emissions Not assessed during construction (Negligible, net significant due to the nature of the receptor		an additional significant adverse inter-relationship effect is likely. Not assessed during construction due to the nature of the receptor (vacant during construction).
receptor.Receptor 26. (operational effects		(vacant during construction).		
only)	Operation			
Air Quality – Receptors LE42. (operational effects only)	Noise during the normal operation of the power station (Negligible , not significant). Noise during power station operation plus back generator testing (Minor adverse , not	Exhaust emissions from combustion emissions during operation (Negligible Negligible, not significant).	Views of operation (Moderate, adverse, not significant).	There is low potential for combined effects on the receptor 1 Upper Abbey Farmhouse and so no additional significant adverse inter-relationship effect is likely during operation.
Landscape and Visual — Receptor group 14. (operational effects only)	significant). Operational road traffic noise during 2034 (Negligible, not significant)			
The Cottage, Upper	Construction			
Abbey	Not assessed during construction due to the	Effects on health from particulate matter	Views of Not assessed during construction	There is high potential for combined effects arising from air
Figure 1.7 – main development site 3.	nature of the receptor (vacant during construction).	generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle	(Majordue to moderate, adverse, significant the nature of the receptor (vacant during construction).	quality and views on construction on the receptor Upper Abbey Farmhouse. Combined, these effects are likely to lead to an increased sense of disturbance during construction and an additional significant adverse inter-relationship effect is
Noise and Vibration – No corresponding residential receptor. Receptor 26.		movements and combustion emissions Not assessed during construction (Negligible, net significant due to the nature of the receptor (vacant during construction).		likely. Not assessed during construction due to the nature of the receptor (vacant during construction).
(operational effects	Operation			
only) Air Quality – LE42. (operational effects	Noise during the normal operation of the power station (Negligible , not significant). Noise during power station operation plus back	Exhaust emissions from combustion emissions during operation (Negligible, not significant).	Views of operation (Moderate, adverse, not significant).	There is low potential for combined effects on the <u>Cottage</u> , <u>Upper Abbey Farm</u> receptor Upper Abbey Farmhouse and so no additional significant adverse inter-relationship effect is likely during operation.
only)	generator testing (Minor adverse, not significant).			incery during operation.



	Operational road traffic noise during 2034			
(operational effects only)	(Negligible, not significant)			
Lower Abbey Farm.	Construction			
Figure 1.7 — main development site 5. Noise and Vibration — Receptor 2. Air Quality — Receptor LE25. Landscape and Visual — Receptor group 14.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1A (Moderate adverse, significant). Construction noise during the day (0700-2300)	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction (Major -moderate, adverse, significant).	There is high potential for combined effects from noise, air quality and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for the receptor at Lower Abbey Farm during the construction phase and an additional significant adverse inter-relationship effect is likely.
	significant). Construction road traffic on surrounding network (Negligible or minor, not significant) Operation			
<u> </u>	'	Exhaust emissions from combustion emissions	Views of operation (Moderate, adverse, not	There is low potential for combined effects from noise and
s		during operation (Negligible , not significant).	significant).	vibration and views of construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Lower Abbey during operation and so additional significant adverse inter-relationship effect is unlikely.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
2 Upper Abbey	Construction			
<u>Figure 1.7</u> – main development site 2.	Not assessed during construction due to the nature of the receptor- (vacant during construction).	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant).	Views of Not assessed during construction (Majordue to major-moderate, adverse, significant the nature of the receptor (vacant during construction).	There is a high potential for combined effects from air quality and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at 2 Upper Abbey Farmhouse during the construction phase
Noise and Vibration – No corresponding residential receptor.Receptor 26 (operational effects		Exhaust emissions from additional road vehicle movements and combustion emissions Not assessed during construction (Negligible, not significant due to the nature of the receptor (vacant during construction).	daming contaction).	and an additional significant adverse inter-relationship effect is likely. Not assessed during construction due to the nature of the receptor (vacant during construction).
only)	Operation			
Air Quality – Receptor LE48.LE42. (operational effects	Noise during the normal operation of the power station (Negligible, not significant). Noise during power station operation plus back	Exhaust emissions from combustion emissions during operation (Negligible, not significant).	Views of operation (Major-moderate to moderate, adverse, significant).	There is high potential for combined effects on receptors at 2 Upper Abbey Farmhouse and so additional significant adverse inter-relationship effects are likely during operation.
only) Landscape and Visual	generator testing (Minor adverse, not significant).			
- Receptor group 11. (operational effects only)	Operational road traffic noise during 2034 (Negligible Negligible, not significant)			
Abbey Road, Leiston.	Construction			
<u>Figure 1.7</u> – main development site 6. Noise and Vibration –	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1A (Moderate adverse, significant).	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant).	Views of construction (Moderate, adverse, not significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptor at Abbey Road, Leiston during the
Receptor 3. Air Quality – Receptor	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1B/2, Phase 3	Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible , not significant).		construction phase and an additional significant adverse inter- relationship effect is likely.
LE2. Landscape and Visual	and 4, and Phase 5 (average day) (Negligible, not significant).			
- Receptor group 16.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 5 (busiest day) (Moderate adverse, significant).			
	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles (Negligible, not significant).			
	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling. (Negligible , not significant).			
	Construction noise during the night (2300–0700) Maximum noise levels during period when material unloading from green rail route and			edfeneray.co



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	hauling to stockpiles and, continuous excavation and tunnelling) (Negligible, not significant).			
	Construction Vibration during compaction work in Phases 1 and 2 and during preparation of LEEIE and during Phase 5 (Negligible, not significant).			
	Road traffic on surrounding network during 2023 (receptors within the 55db contours) (Moderate adverse, significant).			
	Construction road traffic on surrounding network during 2028 (Negligible or minor, not significant). Operation			
	•	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Negligible, not significant).	There is low potential for combined effects on receptors at Abbey Road and so no additional significant adverse interrelationship effect is likely during operation.
Ash Wood Cottages.	Construction			
Figure 1.7 – main development site 7. Noise and Vibration –	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1A and Phase 1B/2 (Moderate adverse, significant).	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle	Views of construction (Major to major-moderate, adverse, significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to an increased sense of disturbance for receptors at Ash Wood Cottages during the construction phase and an additional significant adverse inter-
Receptor 4. Air Quality – Receptor LE25. Landscape and Visual	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 3 and 4 and Phase 5 (average day) (Minor adverse, not significant).	movements and combustion emissions during construction (Negligible, not significant).		relationship effect is likely.
- Receptor group 11.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 5 (busiest day) (Moderate, significant).			
	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles (Moderate adverse, significant).			
	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Moderate adverse, significant).			
	Construction noise during the night (2300–0700) Maximum noise levels during period when material unloading from green rail route and			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	hauling to stockpiles and, continuous excavation and tunnelling) (Negligible, not significant).			
	Construction vibration when vibratory compaction is occurring in Phase 1 and 2 (Minor adverse, not significant).			
	Construction vibration during breaking out and soil spreading during Phase 5 (Negligible, not significant).			
	Construction road traffic on surrounding network (Negligible or minor, not significant).			
	Operation			
	Noise during the normal operation of the power station and operation plus back generator testing (Low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Major-moderate to moderate, adverse, significant).	There is high potential for combined effects from noise and views of Sizewell C. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptor at Ash Wood Cottages during the operational phase and an additional
	Operational road traffic noise during 2034 (Negligible, not significant)			significant adverse inter-relationship effect is likely.
Barley Rise.	Construction			
Figure 1.7 – main development site 8. Noise and Vibration –	Construction noise during the day (0700-2300) as dictated by LEEIE during initial stripping/levelling (Minor adverse, not significant).	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle	Views of construction (Moderate, adverse, not significant).	There is low potential for combined effects from noise and vibration, air quality and vibration and views of construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptor at Barley Rise during the construction phase and so additional significant adverse inter-
Receptor 5. Air Quality – Receptor LE37.	Construction noise during the day (0700-2300) as dictated by LEEIE during preparation of LEEIE (Negligible , not significant).	movements and combustion emissions during construction (Negligible , not significant).		relationship effect is unlikely.
Landscape and Visual - Receptor group 19.	Construction noise during the day (0700-2300) as dictated by LEEIE during the early and later years Operations (Negligible , not significant).			
	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement average day (Negligible, not significant).			
	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement busiest day (Minor adverse, not significant).			
	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles (Negligible, not significant).			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Negligible, not significant). Construction noise during the night (2300–0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling) (Negligible, not significant).			
	Construction vibration during phases 1 and 2, and during preparation of the LEEIE and during Phase 5 (Negligible, not significant). Construction road traffic on surrounding network during 2023 and 2028 (Negligible or minor, not significant).			
	Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant).		Views of operation (Moderate-slight, adverse, not significant).	There is low potential for combined effects from noise and views of Sizewell C. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptor at Barley Rise during the operational phase and so additional significant adverse inter-relationship effect is unlikely.
Common Cottages.	Construction			
Figure 1.7 – main development site 9. Noise and Vibration – Receptor 6. Air Quality – Receptor LE54LE43. Landscape and Visual – Receptor group 15.	Construction Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During all construction Phases (Minor adverse, not significant). Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles (Minor adverse, not significant). Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Minor adverse, not significant). Construction noise during the night (2300-0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling) (Negligible, not significant). Construction vibration during compaction work in Phases 1 and 2 and during preparation of LEEIE and during Phase 5 (Negligible, not	generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction (Major to major-moderate, adverse, significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to an increased sense of disturbance for receptor at Common Cottages during the construction phase and an additional significant adverse interrelationship effect is likely.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Road traffic on surrounding network during 2023 (Moderate adverse, significant). Construction road traffic on surrounding network during 2028 (Negligible or minor, not significant).			
	Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Major-moderate, adverse, significant).	There is a high potential for combined effects from noise and views of Sizewell C. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptor at Common Cottages during the operational phase and so additional significant adverse inter-relationship effect is likely.
Crown Lodge.	Construction			
Figure 1.7 – main development site 11.	Construction noise during the day (0700-2300) as dictated by LEEIE during initial stripping/levelling (Negligible , not significant).	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant).	Views of construction (Moderate, adverse, not significant).	There is low potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are unlikely to lead to a slightly increased sense of disturbance for receptor at Crown Lodge during the
Noise and Vibration – Receptor 7. Air Quality – Receptor	Construction noise during the day (0700-2300) as dictated by LEEIE during preparation of LEEIE (Negligible , not significant).	Exhaust emissions from additional road vehicle movements and combustion emissions during construction (negligible, not significant).		construction phase and so additional significant adverse inter- relationship effect is unlikely.
LE38. Landscape and Visual Receptor group 16.	Construction noise during the day (0700-2300) as dictated by LEEIE during the Early Years Operations (Negligible , not significant).			
	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement (Negligible , not significant).			
	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles (Negligible , not significant).			
	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Negligible , not significant).			
	Construction noise during the night (2300–0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling) (Negligible, not significant)			
	Construction vibration during compaction work in Phases 1 and 2 and during preparation of LEEIE (Minor adverse, not significant).			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Construction vibration during breaking out and soil spreading during Phase 5 (Negligible , not significant). Construction road traffic on surrounding network			
	during 2023 and 2028 (Negligible or minor, not significant).			
	Operation			,
	Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Negligible, not significant).	There is low potential for combined effects on receptors at Crown Lodge and so no additional significant adverse interrelationship effect is likely during operation.
<u>Eastbridge</u>	Construction			
Figure 1.7 — main development site 12. Noise and Vibration — Receptor 8. Air Quality — Receptor LE29. Landscape and Visual — Receptor group 10.	Construction noise during the day (0700-2300) as dictated by main development site (including	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction (Major to major-moderate, adverse, significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Eastbridge during the construction phase and an additional significant adverse inter-relationship effect is likely.
	Construction vibration during Phases 1, 2, 5 and during preparation of LEEIE (Negligible, not significant).			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Construction road traffic on surrounding network during 2023 and 2028 (Negligible or minor adverse, not significant).			
	Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible, not significant).	Views of operation (Major-moderate to moderate, adverse, significant).	There is high potential for combined effects arising from noise and views of the operational site. Combined, these effects are likely to lead to an increased sense of disturbance for receptors at Eastbridge during the operational phase and so an additional significant adverse inter-relationship effect is likely.
Grimseys Lane.	Construction			
Figure 1.7 — main development site 13. Noise and Vibration — Receptor 9. Air Quality — Receptor LE36.		Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction (Moderate, adverse, not significant).	There is low potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Grimseys Lane during the construction phase and so additional significant adverse interrelationship effect is unlikely.
Landscape and Visual – Receptor group 19.	Construction noise during the day (0700-2300) as dictated by LEEIE during the Early Years Operations (Minor adverse, not significant).			
	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement average day (Negligible, not significant).			
	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement busiest day (Minor adverse, not significant).			
	Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (Minor adverse, not significant).			
	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Minor adverse, not significant).			
	Construction noise during the night (2300-0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Negligible , not significant).			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Construction vibration during Phases 1, 2 5 and during preparation of the LEEIE (Negligible, not significant).			
	Construction road traffic on surrounding network during 2023 and 2028 (Negligible or minor, not significant). Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant).		Views of operation (Moderate-slight, adverse, not significant).	There is low potential for combined effects arising from noise and views of the operational site. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Grimseys Lane during the operational phase and so additional significant adverse inter-relationship effect is unlikely.
158 King George's	Construction			
Avenue. Figure 1.7 – main development site 14. Noise and Vibration –	Construction noise during the day (0700-2300) as dictated by LEEIE during initial stripping/levelling (Minor adverse, not significant).	generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle	Views of construction (Moderate, adverse, not significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to an increased sense of disturbance for receptors at 158 King George's Avenue during the construction phase and an additional significant adverse
Receptor 12. Air Quality – Receptor LE36.	Construction noise during the day (0700-2300) as dictated by LEEIE during preparation of LEEIE (Minor adverse, not significant).	movements and combustion emissions during construction (Negligible , not significant).		inter-relationship effect is likely.
Landscape and Visual - Receptor group 16.	Construction noise during the day (0700-2300) as dictated by LEEIE during the Early Years Operations (Negligible , not significant).			
	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement average day (Negligible , not significant).			
	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement busiest day (Moderate adverse, not significant).			
	Construction noise during the night (2300-0700) maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Negligible, not significant).			
	Construction vibration during phases, 1, 2, 5 and preparation of LEEIE (Negligible , not significant).			
	Construction road traffic on surrounding network during 2023 and 2028 (Negligible or minor, not significant). Operation			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	(Low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Negligible, not significant).	There is low potential for combined effects on receptors at 158 King George's Avenue and so no additional significant adverse inter-relationship effect is likely during operation.
Heath View.	Construction			
Heath View. Figure 1.7 — main development site 16. Noise and Vibration — Receptor 10. Air Quality — Receptor LESSLE44. Landscape and Visual — Receptor group 17.	(Low or negligible, not significant). Construction Construction noise during the day (0700-2300) as dictated by LEEIE during initial	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction (Slight, adverse, not significant).	
	Construction vibration during all Phases 1, 2 and 5 and preparation of LEEIE (Negligible , not significant).			
	Construction road traffic on surrounding network during 2023 and 2028 (Negligible or minor, not significant).			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Slight, adverse, not significant).	There is low potential for combined effects from noise and views of the operational site. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Heath View during the operational phase and so additional significant adverse inter-relationship effect is unlikely.
Keepers Cottage.	Construction			
Figure 1.7 — main development site 17. Noise and Vibration — Receptor 11. Air Quality — Receptor LE52LE41. Landscape and Visual — Receptor group 15.	Construction noise during the day (0700-2300)	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction (Major to major-moderate, adverse, significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Keepers Cottage during the construction phase and an additional significant adverse interrelationship effect is likely.
	Construction road traffic on surrounding network during 2023 and 2028 (negligible or minor, not significant). Operation			



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Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Noise during the normal operation of the power station and power station operation plus back generator testing (low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Major to major-moderate, adverse, significant).	There is high potential for combined effects from noise and views of the operational site. Combined, these effects are likely to lead to an increased sense of disturbance for receptors at Keepers Cottage during the operational phase and so additional significant adverse inter-relationship effect is likely.
King George's	Construction			
King George's Avenue. Figure 1.7 — main development site 1715. Noise and Vibration — Receptor 12. Air Quality — Receptor LE36. Landscape and Visual — Receptor group 17.	Construction noise during the day (0700-2300) as dictated by LEEIE during initial	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction (Slight, adverse, not significant).	There is low potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at King George's Avenue during the construction phase and an additional significant adverse interrelationship effect is unlikely.
1	in 2023 and 2028 (Negligible or minor, not significant).			
1	Operation			
	Noise during the normal operation of the power station and operation plus back generator testing (Low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Slight, adverse, not significant).	There is low potential for combined effects from noise and views of the operational site. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at King George's Avenue during the operational phase and so additional significant adverse inter-relationship effect is unlikely.
Pro Corda	Construction			

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Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Figure 1.7 — main development site 18. Noise and Vibration — Receptor 13. Air Quality — Receptor LE16. Landscape and Visual — Receptor group 10.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1A, Phase 1B/2, Phase 3 and 4 and Phase 5 (average day) (Minor adverse, not significant). Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 5 (busiest day) (Minor adverse, not significant). Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (Minor adverse, not significant). Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Minor adverse, not significant). Construction noise during the night (2300-0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Negligible, not significant). Construction vibration during Phases 1 and 2, preparation of the LEEIE and Phase 5 (Negligible, not significant). Construction road traffic on surrounding network in 2023 and 2028 (Negligible or minor, not significant).	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction. Effects for visual receptor group 10 are assessed to be major to major-moderate, adverse, significant. However, views from within the Pro Corda site would be less extensive than for the receptor group as a whole due to screening provided by the abbey buildings and tree cover adjacent to the B1122 and Leiston Old Abbey Residential Home.	There is low potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors Pro Corda during the construction phase and an additional significant adverse inter-relationship effect is unlikely.
Lovers Lane/Sandy	Operation Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant). Construction	Exhaust emissions from combustion emissions during operation (Negligible, not significant).	Views of operation. Effects for visual receptor group 10 are assessed to be major to major-moderate, adverse, significant. However, views from within the Pro Corda site would be less extensive than for the receptor group as a whole due to screening provided by the abbey buildings and tree cover adjacent to the B1122 and Leiston Old Abbey Residential Home.	There is low potential for combined effects from noise and views of the operational site. Combined, these effects are unlikely to lead to a slightly increased sense of disturbance for receptors at Pro Corda during the operational phase and an additional significant adverse inter-relationship effect is unlikely.
Lovers Lane/Sandy Lane Junction.			T	
Figure 1.7 – main development site 19.		Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle	Views of construction (Major to major-moderate, adverse, significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Lovers Lane/Sandy Lane Junction during the construction phase and an additional significant
Noise and Vibration – Receptor 14.	Construction noise during the day (0700-2300) as dictated by main development site (including	movements and combustion emissions during		adverse inter-relationship effect is likely.

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Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Air Quality – Receptor LE33.	activities on LEEIE) During Phase 1B/2 and Phase 5 (average day) (Minor adverse, not significant).			
Landscape and Visual - Receptor group 15.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 3 and 4 (Negligible, not significant).			
	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 5 (busiest day) (Minor adverse, not significant).			
	Construction noise during the night (2300-0700) during the period when the green rail route is operational at night (Negligible , not significant).			
	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling(Negligible, not significant).			
	Construction noise during the night (2300–0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling) (Negligible , not significant).			
	Construction vibration during Phases 1 and 2, during preparation of LEEIE and Phase 5 (Negligible, not significant).			
	Road traffic on surrounding network during 2023 (receptors within the 55db contours) (Moderate adverse, significant).			
	Construction road traffic on surrounding network during 2028 (Negligible or minor, not significant).			
	Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible, not significant).	Views of operation (Major to moderate, adverse, significant).	There is high potential for combined effects from noise and views of the operational site. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Lovers Lane/Sandy Lane Junction during the operational phase and an additional significant adverse interrelationship effect is likely.
	Construction		•	



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Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
1 Common Farm Cottage, Lovers Lane/Sandy Lane Junction. Figure 1.7 — main development site 20. Noise and Vibration — Receptor 14. Air Quality — Receptor LE32. Landscape and Visual — Receptor group 15.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1A (Moderate adverse, significant). Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1B/2 and Phase 5 (average day) (Minor adverse, not significant). Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 3 and 4 (Negligible, not significant). Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 3 and 4 (Negligible, not significant). Construction noise during the night (2300-0700) as dictated by main development site (including activities on LEEIE) During Phase 5 (busiest day) (Minor adverse, not significant). Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (Negligible, not significant). Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Negligible, not significant). Construction vibration during Phases 1 and 2, during preparation of LEEIE and Phase 5 (Negligible, not significant). Construction vibration during Phases 1 and 2, during preparation of LEEIE and Phase 5 (Negligible, not significant). Construction road traffic on surrounding network during 2023 (receptors within the 55db contours) (Moderate adverse, significant).	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction (Major to major-moderate, adverse, significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at 1 Common Farm Cottages, Lovers Lane/Sandy Lane Junction during the construction phase and an additional significant adverse inter-relationship effect is likely. There is high potential for combined effects from noise and
	station and during power station operation plus	during operation (Negligible, not significant).	significant).	views of the operational site. Combined, these effects are likely to lead to a slightly increased sense of disturbance for

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	back generator testing (Low or negligible, not			
	significant).			receptors at 1 Common Farm Cottage, Lovers Lane/Sandy Lane Junction during the operational phase and an additional significant adverse inter-relationship effect is likely.
2 Common Farm				
2 Common Farm Cottage, Lovers Lane/Sandy Lane Junction. Figure 1.7 — main development site 20. Noise and Vibration — Receptor 14. Air Quality — Receptor LE32. Landscape and Visual — Receptor group 15.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1A (Moderate adverse, significant). Construction noise during the day (0700-2300)	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction (Major to major-moderate, adverse, significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at 2 Common Farm Cottages, Lovers Lane/Sandy Lane Junction during the construction phase and an additional significant adverse inter-relationship effect is likely.
	Construction road traffic on surrounding network during 2028 (Negligible or minor, not significant).			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (negligible , not significant).	Views of operation (Major-moderate, adverse, significant).	There is high potential for combined effects from noise and views of the operational site. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at 2 Common Farm Cottage, Lovers Lane/Sandy Lane Junction during the operational phase and an additional significant adverse inter-relationship effect is likely.
Old Abbey Farm/Care	Construction			
Home. Figure 1.7 — main development site 22. Noise and Vibration — Receptor 15. Air Quality — Receptor LE26.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1A (Moderate adverse, significant). Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1B/2, Phase 3 and 4, and Phase 5 (average day) (Minor adverse, not significant).	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction (Major to moderate, adverse, significant).	There is high potential for combined effects from noise and vibration and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Old Abbey Farm/Care Home during the construction phase and an additional significant adverse interrelationship effect is likely.
Landscape and Visual - Receptor group 14.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 5 (busiest day) (minor adverse, not significant).			
	Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (Moderate adverse , significant).			
	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Moderate adverse, significant).			
	Construction noise during the night (2300–0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling) (Negligible, not significant).			
	Construction vibration during Phases 1 and 2, during preparation of LEEIE and Phase 5 (Negligible, not significant).			
	Construction road traffic on surrounding network during 2023 and 2028 (Negligible or minor adverse, not significant). Operation			
	Noise during the normal operation of the power	Exhaust emissions from combustion emissions	Views of operation (Moderate, adverse, not	There is low potential for combined effects from noise and
		during operation (Negligible , not significant).	significant).	views of the operational site. Combined, these effects are unlikely to lead to an increased sense of disturbance for

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Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	back generator testing (low or negligible, not significant).			receptors at Old Abbey Farm/Care Home during the operational phase and an additional significant adverse interrelationship effect is unlikely.
Plantation Cottages.	Construction			
Figure 1.7 — main development site 23. Noise and Vibration — Receptor 16. Air Quality — Receptor LE25. Landscape and Visual — Receptor group 11.	Construction noise during the day (0700-2300)	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction (Major to major-moderate, adverse, significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Plantation Cottages during the construction phase and an additional significant adverse interrelationship effect is likely.
	during 2023 and 2028 (Negligible or minor, not significant).			
	Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible, not significant).	Views of operation (Major-moderate to moderate, adverse, significant).	There is high potential for combined effects from noise and views of the operational site. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Plantation Cottage during the operational phase and an additional significant adverse inter-relationship effect is likely.
Potters Farm.	Construction			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Figure 1.7 — main development site 24. Noise and Vibration — Receptor 17. Air Quality — Receptor LE27. Landscape and Visual — Receptor group 10.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During all construction Phase (Minor adverse, not significant).	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction (Major to major-moderate, adverse, significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Potters Farm during the construction phase and an additional significant adverse interrelationship effect is likely.
	Noise during the normal operation of the power station and during power station operation plus back generator testing (low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible, not significant).	Views of operation (Major-moderate to moderate, adverse, significant).	There is high potential for combined effects from noise and views of the operational site. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Potters Farm during the operational phase and an additional significant adverse inter-relationship effect is likely.
Potters Street.	Construction			
Figure 1.7 – main development site 25. Noise and Vibration – Receptor 18. Air Quality – Receptor LE27.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During all construction Phase (Minor adverse, not significant). Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (Minor adverse, not significant).	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction (Major to major-moderate, adverse, significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Potters Street during the construction phase and an additional significant adverse interrelationship effect is likely.
Landscape and Visual - Receptor group 10.	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	hauling to stockpiles and, continuous excavation and tunnelling (Minor adverse, not significant).			
	Construction noise during the night (2300–0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (negligible, not significant).			
	Construction vibration during Phases 1 and 2, during preparation of LEEIE and Phase 5 (negligible, not significant).			
	Construction road traffic on surrounding network during 2023 and 2028 (negligible or minor, not significant).			
	Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Major-moderate to moderate, adverse, significant).	There is high potential for combined effects from noise and views of the operational site. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Potters Street during the operational phase and an additional significant adverse inter-relationship effect is likely.
Rosery Cottages.	Construction			
Figure 1.7 – main development site 26. Noise and Vibration – Receptor 19.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1A, Phase 1B/2, Phase 3 and 4 and Phase 5 (busiest day) (Minor adverse, not significant). Construction noise during the day (0700-2300)	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction (Major to major-moderate, adverse, significant).	There is high potential for combined effects from noise and vibration and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors Rosery Cottages during the construction phase and an additional significant adverse inter-relationship effect is likely.
Air Quality – Receptor LE13. Landscape and Visual	as dictated by main development site (including activities on LEEIE) During Phase 5 (average day) (negligible, not significant).	construction (Negligible, not significant).		
- Receptor group 15.	Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (negligible, not significant).			
	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (negligible, not significant).			
	Construction noise during the night (2300–0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (negligible, not significant).			



construction vibration during Phases 1 and 2, uring preparation of LEEIE and Phase 5 egligible, not significant). Doad traffic on surrounding network during 2023 eceptors within the 55db contours) (Moderate diverse, significant). Construction road traffic on surrounding network uring 2028 (Negligible or minor, not gnificant). Determine during the normal operation of the power action and during power station operation plus ack generator testing (low or negligible, not gnificant).	Exhaust emissions from combustion emissions during operation (Negligible, not significant).	Views of operation (Major to moderate, adverse, significant).	There is high potential for combined effects from noise and views of the operational site. Combined, these effects are likely to lead to a slightly increased sense of disturbance for
construction road traffic on surrounding network uring 2028 (Negligible or minor, not gnificant). Determine the normal operation of the power ation and during power station operation plus ack generator testing (low or negligible, not gnificant).			views of the operational site. Combined, these effects are likely
pise during the normal operation of the power ation and during power station operation plus ack generator testing (low or negligible, not gnificant).			views of the operational site. Combined, these effects are likely
ation and during power station operation plus ack generator testing (low or negligible, not gnificant).			views of the operational site. Combined, these effects are likely
onstruction			receptors at Rosery Cottage during the operational phase and an additional significant adverse inter-relationship effect is likely.
ctivities on LEEIE) During Phase 1A (Moderate Idverse, significant). Instruction noise during the day (0700-2300) of dictated by main development site (including stivities on LEEIE) During Phase 1B/2, Phase 3 and 4 and Phase 5 (average day) (Minor Idverse, not significant). Instruction noise during the day (0700-2300) of dictated by main development site (including stivities on LEEIE) During Phase 5 (busiest day) (Idverse adverse, significant). Instruction noise during the night (2300-0700) of dictated by main development site (including stivities on LEEIE) During Phase 5 (busiest day) (Idverse adverse, significant). Instruction noise during the night (2300-0700) of dictated adverse adverse, significant). Instruction noise during the night (2300-0700) of dictated adverse and continuous excavation and tunnelling (Moderate adverse, significant).	Exhaust emissions from additional road vehicle movements and combustion emissions during	Views of construction (Major-moderate, adverse, significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at Round House during the construction phase and an additional significant adverse interrelationship effect is likely.
onst dicetivit ad a diver onst dicetivit doda onst rera alload ockponst rera alload ockponst rera alload onst alload onst rera alload onst alload onst alload onst alload onst alload onst alload onst alload onst alload onst alload onst alload onst alload onst alload onst alload onst alload onst alload onst alload onst a alload onst alload onst alload onst alload alload onst a alload alload a alload alload alload a alload alload a alload alload alload a alload alload alload a alload a alload a alload alload a alload alload a alload a alload a alload a alload a alload a a alload a a alload a a alload a a a alload a a a a a a a a a a a a a a a a a a	ruction noise during the day (0700-2300) stated by main development site (including ies on LEEIE) During Phase 1B/2, Phase 3 4 and Phase 5 (average day) (Minor rese, not significant). ruction noise during the day (0700-2300) stated by main development site (including ies on LEEIE) During Phase 5 (busiest day) erate adverse, significant). ruction noise during the night (2300-0700) ge noise levels during period when material ding from green rail route and hauling to biles (Moderate adverse, significant). ruction noise during the night (2300-0700) ge noise levels during period when ial unloading from green rail route and g to stockpiles and, continuous excavation innelling (Moderate adverse, significant).	Exhaust emissions from additional road vehicle movements and combustion emissions during tes on LEEIE) During Phase 1B/2, Phase 3 4 and Phase 5 (average day) (Minor se, not significant). Truction noise during the day (0700-2300) tated by main development site (including lies on LEEIE) During Phase 5 (busiest day) erate adverse, significant). Truction noise during the night (2300-0700) ge noise levels during period when material ding from green rail route and hauling to biles (Moderate adverse, significant). Truction noise during the night (2300-0700) ge noise levels during period when iall unloading from green rail route and g to stockpiles and, continuous excavation noise levels during period when ial unloading from green rail route and g to stockpiles and, continuous excavation from green rail route and g to stockpiles and, continuous excavation from green rail route and g to stockpiles and, continuous excavation from green rail route and g to stockpiles and, continuous excavation from green rail route and g to stockpiles and, continuous excavation from green rail route and g to stockpiles and, continuous excavation	Exhaust emissions from additional road vehicle movements and combustion emissions during ton teleIE) During Phase 18/2, Phase 3 (and Phase 5 (average day) (Minor se, not significant). Truction noise during the day (0700-2300) tated by main development site (including les on LEEIE) During Phase 5 (busiest day) erate adverse, significant). Truction noise during the night (2300-0700) ge noise levels during period when material ding from green rail route and hauling to oiles (Moderate adverse, significant). Truction noise during the night (2300-0700) ge noise levels during period when ial unloading from green rail route and gt to stockpiles and, continuous excavation innelling (Moderate adverse, significant). Truction noise during the night (2300-0700) num noise levels during period when ial unloading from green rail route and gt to stockpiles and, continuous excavation innelling (Moderate adverse, significant).



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Construction vibration during Phases 1 and 2, during preparation of LEEIE and Phase 5 (negligible, not significant).			
	Road traffic on surrounding network during 2023 (receptors within the 55db contours) (Moderate adverse, significant).			
	Construction road traffic on surrounding network during 2028 (Negligible or minor, not significant).			
	Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible, not significant).	Views of operation (Moderate, adverse, not significant).	There is low potential for combined effects from noise and views of the operational site. Combined, these effects are unlikely to lead to a slightly increased sense of disturbance for receptors at Round House during the operational phase and so no additional significant adverse inter-relationship effect is likely.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Sizewell Sports &	Construction			
Social Club. Figure 1.7 – main development site 28.	Construction noise during the day (0700-2300) as dictated by LEEIE during preparation of LEEIE (Minor adverse, not significant).	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant).	Views of construction (Moderate, adverse, not significant).	There is high potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are likely to lead to an increased sense of disturbance for receptors at Sizewell Sports and Social Club
Noise and Vibration – Receptor 21.	Construction noise during the day (0700-2300) as dictated by LEEIE during the Early Years Operations (Minor adverse, not significant).	Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).		during the construction phase and so an additional significant adverse inter-relationship effect is likely.
Air Quality – Receptor LE55LE44. Landscape and Visual – Receptor group 19.	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement (average day) (Negligible , not significant).			
	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement (busiest day) (Moderate adverse, significant).			
	Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (negligible, not significant).			
	Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling. (negligible, not significant).			
	Construction noise during the night (2300–0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (negligible, not significant).			
	Construction vibration during Phases 1 and 2, during preparation of LEEIE and Phase 5 (negligible, not significant).			
	Road traffic on surrounding network during 2023 (receptors within the 55db contours) (Moderate adverse, significant).			
	Construction road traffic on surrounding network during 2028 (Negligible or minor, not significant).			
	Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Moderate -slight, adverse, not significant).	There is low potential for combined effects from noise and views of the operational site. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Sizewell Sports and Social Club during the



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
				operational phase and so no additional significant adverse inter-relationship effect is likely.
Sizewell Village	Construction			
(Vulcan Arms). Figure 1.7 – main development site 29. Noise and Vibration – Receptor 22. Air Quality – Receptor LE13. Landscape and Visual – Receptor group 19.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During all construction Phases (negligible, not significant). Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (negligible, not significant). Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible, not significant).	Views of construction (Moderate, adverse, not significant).	There is low potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Sizewell Village (Vulcan Arms) during the construction phase and so no additional significant adverse inter-relationship effect is likely.
	and tunnelling (negligible, not significant). Construction noise during the night (2300–0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (negligible, not significant). Construction vibration during Phases 1 and 2, during preparation of LEEIE and Phase 5 (negligible, not significant). Construction road traffic on surrounding network (negligible or minor, not significant).			
	Operation			
	Noise during the normal operation of the power station and operation plus back generator testing (low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Moderate-slight, adverse, not significant).	There is low potential for combined effects from noise and views of the operational site. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Sizewell Village (Vulcan Arms) during the operational phase and so no additional significant adverse inter-relationship effect is likely.
The Studio.	Construction			
Figure 1.7 – main development site 30. Noise and Vibration –	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1A (Moderate adverse, significant).	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle	Views of construction (Major to major-moderate, adverse, not significant).	There is high potential for combined effects from noise and vibration and views of construction. Combined, these effects are likely to lead to an increased sense of disturbance for receptors at The Studio during the construction phase and so an additional significant adverse inter-relationship effect is
Air Quality – Receptor LE32.	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1B/2, Phase 3 and 4 and Phase 5 (average day) (Minor adverse, not significant).	movements and combustion emissions during construction (Negligible, not significant).		likely.
Landscape and Visual - Receptor group 15.	Construction noise during the day (0700-2300) as dictated by main development site (including			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	activities on LEEIE) During Phase 5 busiest day (Moderate adverse, significant).			
	Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (Minor adverse, not significant).			
	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Minor adverse, not significant).			
	Construction vibration during Phases 1 and 2, during preparation of LEEIE and Phase 5 (Negligible, not significant).			
	Construction road traffic on surrounding network (Negligible or minor, not significant).			
	Operation			
	Noise during the normal operation of the power station and operation plus back generator testing (Low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible , not significant).	Views of operation (Major-moderate, adverse, significant).	There is high potential for combined effects from noise and views of construction. Combined, these effects are likely to lead to a slightly increased sense of disturbance for receptors at The Studio during the operational phase and an additional significant adverse inter-relationship effect is likely.
Valley Road North.	Construction			organical reaction and reaction and process of an organical reaction and process of a
Figure 1.7 – main development site 31. Noise and Vibration – Receptor 2425.	Construction noise during the day (0700-2300) as dictated by LEEIE during initial stripping/levelling (Minor adverse, not significant).	generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle	Views of construction (Slight, adverse, not significant).	There is low potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Valley Road North during the construction phase and so no additional significant adverse
Air Quality – Receptor LE35.	Construction noise during the day (0700-2300) as dictated by LEEIE during preparation of LEEIE (Minor adverse, not significant).	movements and combustion emissions during construction (Negligible, not significant).		inter-relationship effect is likely.
Landscape and Visual - Receptor group 17.	Construction noise during the day (0700-2300) as dictated by LEEIE during the Early Years Operations (Negligible , not significant).			
	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement (average day) (Negligible , not significant).			
	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement (busiest day) (Minor adverse, not significant).			
	Construction noise during the night (2300-0700) average noise levels during period when material			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	unloading from green rail route and hauling to stockpiles (Minor adverse, not significant).			
	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Minor adverse, not significant).			
	Construction noise during the night (2300–0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Negligible, not significant).			
	Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (low or negligible, not significant).		Views of operation (Slight, adverse, not significant).	There is low potential for combined effects from noise and views of the operational site. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Valley Road North during the operational phase and so no additional significant adverse inter-relationship effect is likely.
Valley Road South.	Construction			
Figure 1.7 – main development site 32. Noise and Vibration –	Construction noise during the day (0700-2300) as dictated by LEEIE during initial stripping/levelling (minor adverse, not significant).		Views of construction (Slight, adverse, not significant).	There is low potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Valley Road South during the construction phase and so no additional significant adverse
Receptor 25. <u>Air Quality</u> – Receptor <u>LE34LE35</u> .	Construction noise during the day (0700-2300) as dictated by LEEIE during preparation of LEEIE (minor adverse, not significant).	movements and combustion emissions during construction (Negligible, not significant).		inter-relationship effect is likely.
Landscape and Visual - Receptor group 17.	Construction noise during the day (0700-2300) as dictated by LEEIE during the Early Years Operations (negligible, not significant).			
	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement (average day) (negligible, not significant).			
	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement (busiest day) (minor adverse, not significant).			
	Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (minor adverse, not significant).			
	Construction noise during the night (2300-0700) Average noise levels during period when			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (minor adverse, not significant).			
	Construction noise during the night (2300–0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (negligible, not significant).			
	Construction vibration during Phases 1 and 2, during preparation of LEEIE and Phase 5 (negligible, not significant).			
	Construction road traffic on surrounding network during 2023 and 2028 (negligible or minor, not significant).			
	Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible, not significant).	Views of operation (Slight, adverse, not significant).	There is low potential for combined effects from noise and views of the operational site. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Valley Road South during the operational phase and so no additional significant adverse inter-relationship effect is likely.
B1122 Station Road,	Construction			
<u>Figure 1.7 main</u> development site 36.	No noise effects identified at receptor location. Construction road traffic on surrounding network during 2023 and 2028 (negligible or minor, not significant).	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle	Views of construction (Slight, adverse, not significant).	There is low potential for combined effects from noise and vibration, air quality and views of construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at B1122 Station Road during the construction phase and so no additional significant adverse
Noise and Vibration – No corresponding residential receptor.		movements and combustion emissions during construction (Negligible, not significant).		inter-relationship effect is likely.
'	Operation			
Air Quality – Receptor LE1. Landscape and Visual	No noise effects identified at receptor location.	Exhaust emissions from combustion emissions during operation (Negligible, not significant).	Views of operation (Slight, adverse, not significant).	There is low potential for combined effects on receptors at B1122 Station Road. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is
- Receptor group 17.				likely during operation
	Construction			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1A (Moderate adverse, significant). Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 1B/2, Phase 3 and 4, and Phase 5 (average day) (Negligible, not significant). Construction noise during the day (0700-2300) as dictated by main development site (including activities on LEEIE) During Phase 5 (busiest day) (Moderate adverse, significant).	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant). Exhaust emissions from additional road vehicle movements and combustion emissions during construction operation (Negligible, not significant).	Views of construction (Moderateoperation (Slight, adverse, not significant).	There is highlow potential for combined effects from noise and vibration, air quality and views of construction. on receptors at B1122 Station Road. Combined, these effects are likelyunlikely to lead to an increased sense of disturbance for receptors at Abbey View Lodges, Orchard House during the construction phasereceptors and so anno additional significant adverse inter-relationship effect is likely-during operation
Abbey View Lodges, Orchard House 105 Abbey Road Leiston Suffolk IP16 4TA. Figure 1.7 main development site 35 and main development site 42.	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles (Negligible, not significant). Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling. (Negligible, not significant).			
Noise and Vibration Receptor 3. Air Quality — Receptor LE2.	Construction noise during the night (2300–0700) Maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling) (Negligible, not significant).			
Landscape and Visual — Receptor group 16.	Construction Vibration during compaction work in Phases 1 and 2 and during preparation of LEEIE and during Phase 5 (Negligible, not significant). Road traffic on surrounding network during 2023 (receptors within the 55db contours) (Moderate			
	adverse, significant). ConstructionOperational road traffic on surrounding network during 2028 (Negligible or minor 2034 (negligible, not significant). Operation			
	Noise during the normal operation of the power station and during power station operation plus back generator testing (Low or negligible, not significant).	Exhaust emissions from combustion emissions during operation (Negligible, not significant).	Views of operation (Negligible, not significant).	There is low potential for combined effects on receptors at Abbey View Lodges Orchard House 105 Abbey Road. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during operation.

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Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
<u>Leiston Primary</u>	Construction			
School Noise and Vibration – Receptor 10	as dictated by LEEIE during initial	Effects on health from particulate matter generated from construction activities (Minor adverse to negligible, not significant).	No visual effects considered due to the location within the existing built up area of Leiston	There is low potential for combined effects from noise and vibration, and air quality. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at Leiston Primary School during the construction phase and so
Air Quality – Receptor LE54LE44 Landscape and	Construction noise during the day (0700-2300) as dictated by LEEIE, during preparation of LEEIE (minor adverse, not significant).	Exhaust emissions from additional road vehicle movements and combustion emissions during construction (Negligible , not significant).		no additional significant adverse inter-relationship effect is likely.
Visual – No visual effects considered due to the location within the existing built up area of Leiston	Construction noise during the day (0700-2300) as dictated by LEEIE during the early and later years Operations (minor adverse, not significant).			
Leiston	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement average day (Negligible , not significant).			
	Construction noise during the day (0700-2300) as dictated by LEEIE during restoration and reinstatement busiest day (Moderate adverse , significant).			
	Construction noise during the night (2300-0700) average noise levels during period when material unloading from green rail route and hauling to stockpiles (Negligible , not significant).			
	Construction noise during the night (2300-0700) Average noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Negligible , not significant).			
	Construction noise during the night (2300-0700) maximum noise levels during period when material unloading from green rail route and hauling to stockpiles and, continuous excavation and tunnelling (Negligible , not significant).			
	Construction vibration during all Phases 1, 2 and 5 and preparation of LEEIE (Negligible , not significant).			
	Construction road traffic on surrounding network during 2023 and 2028 (Negligible or minor, not significant). Operation			
	Noise during the normal operation of the power	Exhaust emissions from combustion emissions	No visual effects considered due to the location	There is low potential for combined effects from noise and
		during operation (Negligible , not significant).	within the existing built up area of Leiston	vibration, and air quality. Combined, these effects are unlikely to lead to an increased sense of disturbance for receptors at



	Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
		back generator testing (Low or negligible, not			Leiston Primary School during operation and so no additional
Į		significant).			significant adverse inter-relationship effect is likely



Table 2B.2: Potential for inter-relationship effects on residential receptors, commercial facilities, community facilities and schools from activity at the northern park and ride

Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.		
Willow Marsh Cottage.	Construction					
Figure 1.2 - D10 Noise and Vibration - Receptor F - North-west corner of the site (Willow Marsh Lane). Air Quality - Receptor YX14.	Construction noise (during Monday to Friday 07:00 to 19:00 and Saturday 07:00 to 13:00 working hours) (Minor or Negligible, not significant). Construction vibration (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	Views of construction activity (Slight-minimal, adverse, not significant).	There is a low potential for combined effects arising from noise and vibration from construction and views of construction activity, combined these effects are unlikely to lead to an increased sense of disturbance for the receptors within Group D10 during the construction phase and so no additional significant adverse interrelationship effect is likely.		
Landscape and Visual -	Operation					
Viewpoint R3 - Willow Marsh Lane, near level crossing - Motorists and cyclist using Willow Marsh Lane, residents along Willow Marsh Lane, train passengers (Receptor Group 2).	Noise and vibration from operation of the proposed development (Minor or Negligible, not significant).	Exhaust emissions from additional road vehicle movements during operation (Minor adverse to negligible, not significant).	Views of the taller elements of the proposed development, including lighting columns during operation (Slight, minimal adverse, not significant). Visibility of proposed lighting at night during operation (Moderate adverse, not significant).	There is a low potential for combined effects arising from noise and vibration, air quality and disruption to views and from lighting, combined these effects are unlikely to lead to an increased sense of disturbance for the receptors within Group D10 during operation and so no additional significant adverse inter-relationship effect is likely.		
	Removal and reinstatement.					
	Noise and vibration levels during removal and reinstatement (Minor or Negligible, not significant). Vibration levels during removal and reinstatement (Negligible, not significant).	Effects on health from particulate matter generated from removal and reinstatement activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).	Views of construction activity during removal and reinstatement (Slight-minimal, adverse, not significant).	There is a low potential for combined effects arising from noise and vibration from construction and views of construction activity, combined these effects are unlikely to lead to an increased sense of disturbance for the receptors within Group D10 during removal and reinstatement and so no additional significant adverse inter-relationship effect is likely.		
Residential properties located	Construction					
along London Road to the north of the site. Figure 1.2 - D9 Noise and Vibration - Receptor G - Properties north of the site, west of the A12.	Construction noise (during Monday to Friday 07:00 to 19:00 and Saturday 07:00 to 13:00 working hours) (Minor or Negligible, not significant). Construction vibration (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	Views of construction activity, progressing towards views of the taller elements of the proposed development (Slight-minimal adverse, not significant).	There is a low potential for combined effects arising from noise and vibration from construction and views of construction activity, combined these effects are unlikely to lead to an increased sense of disturbance for the receptors within Group D9 during the construction phase and so no additional significant adverse interrelationship effect is likely.		
Air Quality – Receptor YX15.	Operation					
Landscape and visual - Viewpoint R2 - London Road, Near High Street - Users of the public footpath to the north of the site, south of the A144 (receptor group 2).	Noise from Operation of Proposed Development (Minor or Negligible, not significant).	Exhaust emissions from additional road vehicle movements during operation (Minor adverse to negligible, not significant).	Views of perimeter fencing, with light columns and roofs of taller vehicles seen above planting and bunds during operation (Slight-minimal, adverse, not significant). Visibility of proposed operational lighting at night (Moderate, adverse, not significant).	There is a low potential for combined effects arising from noise and vibration, air quality and disruption to views and from lighting. Combined these effects are unlikely to lead to an increased sense of disturbance for the receptors within Group D9 during operation and so no additional significant adverse inter-relationship effect is likely.		



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Removal and Reinstatement.			
	Noise and vibration levels during removal and reinstatement (Minor or Negligible, not significant).	Effects on health from particulate matter generated from removal and reinstatement activities (Negligible, not significant).	Views of construction activity, associated with removal and reinstatement phase, of the taller elements of the proposed development (Slight-minimal, adverse, not significant).	There is a low potential for combined effects arising from noise and vibration from construction and views of construction activity, combined these effects are unlikely to lead to an
	Vibration levels during removal and reinstatement (Negligible, not significant).	Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).		increased sense of disturbance for the receptors within Group D9 during the removal and reinstatement phase and so no additional significant adverse inter-relationship effect is likely.
Residential properties to the	Construction			
south-west of the East Suffolk Line to the south of the site. Figure 1.2 - D1, D2, D11	Construction noise (during Monday to Friday 07:00 to 19:00 and Saturday 07:00 to 13:00 working hours) (Minor or Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible , not significant).	No effects identified at receptor location.	There is low potential for combined effects on receptor groups D1, D2 and D11. Combined, these effects are unlikely to lead to an increased
Noise and Vibration – Receptor A - Properties in the area at southern end of site,	Construction vibration (Negligible, not significant).	Exhaust emissions from additional road vehicle movements during construction (Negligible , not significant).		sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during operation.
west of the rail line.	Operation			
B - Properties at the southern end of the site, east of the A12. Predominantly medium sensitivity.	Noise and vibration from operation of the proposed development (Minor or Negligible, not significant).	Exhaust emissions from additional road vehicle movements during operation (Minor adverse to negligible, not significant).	No effects identified at receptor location.	There is a low potential for combined effects arising from noise and vibration and air quality during operation. Combined these effects are unlikely likely to lead to an increased sense of disturbance for the receptors within Groups D1,
Air Quality - YX1 and YX16.				D2 and D11 during operation and so no additional significant adverse inter-relationship effect is likely.
<u>Landscape and Visual - No corresponding receptor group.</u>	Removal and reinstatement.			
Outside zone of theoretical visibility.		Effects on health from particulate matter generated from removal and reinstatement activities (Negligible, not significant).	No effects identified at receptor location.	There is low potential for combined effects on receptor groups D3, D4 and D5. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no
	Vibration levels during removal and reinstatement (Negligible, not significant).	Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).		additional significant adverse inter-relationship effect is likely during operation.
Residential properties on the western side of Main road				
adjacent to the eastern boundary of the site.	Construction noise (during Monday to Friday 07:00 to 19:00 and Saturday 07:00 to 13:00 working hours) (Minor or Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible , not significant).	towards views of perimeter fencing, with light columns and roofs of taller vehicles seen	arising from noise and vibration from construction and views of construction activity,
Figure 1.2 - D3, D4, D5	Construction vibration (Negligible, not significant).	Exhaust emissions from additional road vehicle movements during construction (Negligible, not	above planting and landscaped bund (Major-moderate adverse, significant).	combined these effects are likely to lead to an increased sense of disturbance for the receptors within Groups D3, D4 and D5 during the
Noise and Vibration - Receptor C - East of the A12, centre of the site.	Operation	significant).		construction phase and an additional significant adverse inter-relationship effect is likely.
Pacantar D. Proportion to the	Operation			
Receptor D - Properties to the west of the A12, to the east of the site.	Noise and vibration from operation of the proposed development (Minor or Negligible, not significant).	Exhaust emissions from additional road vehicle movements during operation (Minor adverse to negligible, not significant).	Views of perimeter fencing, with light columns and roofs of taller vehicles seen above planting and bunds during operation (Moderate to moderate-slight, adverse, not significant).	There is a high potential for combined effects arising from noise and vibration, air quality and disruption to views and from lighting. Combined these effects are likely to lead to an increased sense of disturbance for the receptors within



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Air Quality - Receptors YX13, YX11, YX11c, YX12 and YX12c.			Visibility of proposed operational lighting at night (Major-moderate, adverse, significant).	Groups D3, D4 and D5 during operation and an additional significant adverse inter-relationship effect is likely.
Landscape and visual -	Removal and reinstatement.			
Viewpoint 1 - Users of the cycle way along Willow Marsh Lane and Main Road, minor roads and local residents to north and east of the site and		Effects on health from particulate matter generated from removal and reinstatement activities (Negligible, not significant).	fencing, with light columns and roofs of taller vehicles seen above planting and landscaped	There is a high potential for combined effects arising from noise and vibration from construction and views of construction activity, combined these effects are likely to lead to an
immediately adjacent to it.	Vibration levels during removal and reinstatement (Negligible, not significant).	Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).	bund (Major-moderate, adverse, significant).	increased sense of disturbance for the receptors within Groups D3, D4 and D5 during the removal and reinstatement phase and an additional significant adverse inter-relationship effect is likely.
Residential properties on the	Construction			
western side of Main road adjacent to the eastern boundary of the site. Figure 1.2 - D6, D7	Construction noise (during Monday to Friday 07:00 to 19:00 and Saturday 07:00 to 13:00 working hours) (Minor or Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant).	Views of construction activity, progressing towards views of perimeter fencing, with light columns and roofs of taller vehicles seen above planting and landscaped bund (Major-	There is a high potential for combined effects arising from noise and vibration from construction and views of construction activity, combined these effects are likely to lead to an
Noise and vibration - Receptor E - Properties to the west of the A12, to the north end of the	Construction vibration (Negligible, not significant)	Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	moderate, adverse, significant).	increased sense of disturbance for the receptors within Groups D6 and D7 during the construction phase and an additional significant adverse inter-relationship effect is likely.
east of the site.	Operation			
Air Quality - Receptors YX10 and YX10c. Landscape and visual - Viewpoint 1 - Users of the cycle	Noise and vibration from operation of the proposed development (Minor or Negligible, not significant).	Exhaust emissions from additional road vehicle movements during operation (Minor adverse to negligible, not significant)	and bunds during operation. (Moderate to moderate-slight adverse, not significant). Visibility of proposed operational lighting at	There is a high potential for combined effects arising from noise and vibration, air quality and disruption to views and from lighting, combined these effects are likely to lead to an increased sense of disturbance for the receptors within Groups D16 and D7 during operation and an additional significant adverse inter-relationship
way along Willow Marsh Lane and Main Road, minor roads			night. (Major-moderate, adverse, significant).	effect is likely.
and local residents to north and	Removal and reinstatement.	I	1 0.3	1
east of the site and immediately adjacent to it.	significant).	Effects on health from particulate matter generated from removal and reinstatement activities (Negligible, not significant)	Views of removal and reinstatement activity, progressing towards views of perimeter fencing, with light columns and roofs of taller vehicles seen above planting and landscaped	arising from noise and vibration from construction and views of construction activity, combined these effects are likely to lead to an
	Vibration levels during removal and reinstatement (Negligible, not significant).	Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).	` • • · · · · · · · · · · · · · · · · ·	increased sense of disturbance for the receptors within Groups D6 and D7 during the removal and reinstatement phase and so an additional significant adverse effect is likely.
Residential properties located along The Street to the east of	Construction			
the site. Figure 1.2 - D8	No effects identified at corresponding receptors.	Effects on health from particulate matter generated from construction activities (Negligible, not significant).		There is low potential for combined effects on receptor group D8. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no
Air Quality - Receptor YX17.		Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		additional significant adverse inter-relationship effect is likely during the construction phase.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.		
<u>Landscape and Visual - Visual</u>	Operation	'				
receptor group 3.	No effects identified at corresponding receptors.	Exhaust emissions from additional road vehicle movements during operation (Minor adverse to negligible, not significant).		There is low potential for combined effects on receptor group D1. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during the operational phase.		
	Removal and Reinstatement.					
	No effects identified at corresponding receptors.	Effects on health from particulate matter generated from removal and reinstatement activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).	(Negligible, not significant).	There is low potential for combined effects on receptor group D8. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during the removal and reinstatement phase.		

Table 2B.3: Inter-relationship effects on residential receptors, commercial facilities, community facilities and schools from activity at the southern park and ride

Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.	
Rookery Farm, Hacheston.	Construction				
Figure 1.2 – WM1. Noise and Vibration – Receptor D. Air Quality – Receptors WM13 and WM14.	Construction noise during all phases and periods of work (Minor or Negligible, not significant). Construction vibration (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	No effects identified at receptor location.	There is low potential for combined effects on receptors at Rookery Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse interrelationship effect is likely during the construction phase.	
Landscape and Visual – No	Operation				
corresponding residential receptor. Outside of zone of visual influence.	Noise and vibration from operation of the proposed development (Negligible, not significant).	Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	No effects identified at receptor location.	There is low potential for combined effects on receptors at Rookery Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse interrelationship effect is likely during the operation phase.	
	Removal and Reinstatement.				
	Noise levels during removal and reinstatement (Minor or Negligible, not significant). Vibration levels during removal and reinstatement (Negligible, not significant).	Effects on health from particulate matter generated from removal and reinstatement activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).	No effects identified at receptor location.	There is low potential for combined effects on receptors at Rookery Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse interrelationship effect is likely during the removal and reinstatement phase.	



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.		
Main Road.	Construction					
Figure 1.2 – WM2 Noise and Vibration – Receptor C. Air Quality – Receptor WM2.	Construction noise during all phases and periods of work (Minor or Negligible, not significant). Construction vibration (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	not significant).	There is low potential for combined effects on receptor group WM2. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during the construction phase.		
Landscape and Visual -	Operation		1			
Representative viewpoint R8. Receptor – users of footpath, residents.	Noise and vibration from operation of the proposed development (Negligible , not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		There is low potential for combined effects on receptor group WM2. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during the construction phase.		
	Removal and reinstatement.					
	Noise levels during removal and reinstatement (Minor or Negligible, not significant). Vibration levels during removal and reinstatement (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		There is low potential for combined effects on receptor group WM2. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during the removal and reinstatement phase.		
Ash View, Lower Hacheston.	Construction	•				
Figure 1.2 – WM3 Noise and Vibration – Receptor B. Air Quality – Receptor WM11	Construction noise during all phases and periods of work (Minor or Negligible, not significant). Construction vibration (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		There is low potential for combined effects on receptors at Ash View. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse interrelationship effect is likely during the construction phase.		
Landscape and Visual - No	Operation	olymnount).		construction phase.		
corresponding residential receptor. Outside zone of visual influence.	Noise and vibration from operation of the proposed development (Negligible not significant).	Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	•	There is low potential for combined effects on receptors at Ash View. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse interrelationship effect is likely during the operation phase.		
	Removal and reinstatement.		I	, p.1.600.		
	Noise levels during removal and reinstatement (Minor or Negligible, not significant). Vibration levels during removal and reinstatement (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		There is low potential for combined effects on receptors at Ash View. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse interrelationship effect is likely during the removal and reinstatement phase.		



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Long Acre, Ash Rd, Lower	Construction			
Hacheston. Figure 1.2 – WM4	No effects identified at receptor location	Effects on health from particulate matter generated from construction activities (Negligible , not significant).		There is no potential for combined effects on residents at Long Acre and so no additional significant adverse inter-relationship effect is
Noise and Vibration – No corresponding residential receptor.		Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		likely during the construction phase.
Air Quality - Receptor WM6.	Operation			
Landscape and Visual - No corresponding residential receptor. Outside zone of visual influence.	No effects identified at receptor location	Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	l ·	There is no potential for combined effects on residents at Long Acre and so no additional significant adverse inter-relationship effect is likely during the operation phase.
visual illiluerice.	Removal and reinstatement.			
	No effects identified at receptor location	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not		There is no potential for combined effects on residents at Long Acre and so no additional significant adverse inter-relationship effect is likely during the removal and reinstatement phase.
Bottle and Glass Cottages,	Construction	significant).		
Hacheston.	Construction noise during all phases and periods of	Effects on health from particulate matter generated	Views of construction activity (Minimal, neutral,	There is a low potential for combined effects
Figure 1.2 – WM5 Noise and Vibration – Receptor A. Air Quality – Receptor WM12.	work (Minor or Negligible, not significant). Construction vibration (Negligible, not significant).	from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	not significant).	arising from noise and vibration and views of construction activity during construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for the residents at Bottle and Glass Cottages during construction, and so no additional significant adverse inter-relationship effect is likely.
Landscape and Visual -	Operation			
Representative viewpoint 5 – Footpath. E-178/003/0 & Station Road. Receptors - Motorists, users of nearby footpaths, residents along. Station Road.	Noise and vibration from operation of the proposed development (Negligible, not significant).	Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	and roofs of taller vehicles during operation (Minimal, neutral, not significant). Views of proposed lighting at night during	There is a low potential for combined effects arising from noise and vibration and views of construction activity and lighting during operation. Combined, these effects are unlikely to lead to an increased sense of disturbance for the residents at Bottle and Glass Cottages during operation, and so no additional significant adverse inter-relationship effect is likely.
	Removal and Reinstatement.	,		
	Noise levels during removal and reinstatement (Minor or Negligible, not significant). Vibration levels during removal and reinstatement (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		There is a low potential for combined effects arising from noise and vibration and views of removal and reinstatement construction activity. Combined, these effects are unlikely to lead to an increased sense of disturbance for the residents at Bottle and Glass Cottages during removal and reinstatement, and so no additional significant adverse inter-relationship effect is likely.



Table 2B.4: Inter-relationship effects on residential receptors, commercial facilities, community facilities and schools from activity at the two village bypass

Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Tinker Brook and Park Gate	Construction			
Farm. Figure 1.2 – TVB2 TVB1 Noise and Vibration – Receptor 2. Air Quality – Receptor WM1	Noise and vibration during set-up, site clearance and restoration (Negligible, significant). Noise and vibration during construction (Minor adverse, not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	Views of the construction activity (Slight, adverse, not significant).	There is low potential for combined effects on receptors at Tinker Brook and Park Gate Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during construction.
Landscape and Visual -	Operation			
Representative viewpoint 6 - Users of Tinker Brook to the west of the site, within approximately 250m, and residents along it: (group 5).	Daytime noise during construction of main development site (2028) (Moderate adverse, significant) Daytime noise during operation of main development site (2034) (Minor adverse, not significant)	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	Views of operation (Moderate, adverse, not significant). Views of proposed lighting at night during operation (Moderate, adverse, not significant).	There is high potential for combined effects on receptors at Tinker Brook and Park Gate Farm. Combined, these effects are likely to lead to an increased sense of disturbance for the receptors and so an additional significant adverse interrelationship effect is likely during operation.
The Red House, Main Road.	Construction		,	
Figure 1.2 – TVB3 Noise and Vibration – Receptors 3, 4 and 5. Air Quality – Receptor SX7 Landscape and Visual –	Noise and vibration during set-up, site clearance and restoration (Minor or Negligible, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	Views of the construction of the proposed River Alde overbridge (Major-moderate, adverse, significant).	There is high potential for combined effects or receptors at The Red House. Combined, these effects are likely to lead to an increased sense of disturbance for the receptors and so additiona significant adverse inter-relationship effect is likely during construction.
Representative viewpoint 7 -	Operation			
Pedestrians using the footways along the A12 and local residents along the A12 at Stratford St. Andrew (group 4).	Receptor 3 and 4 – during peak construction (2028) and operation c of main development site (2034) (Major beneficial, significant). Receptor 5 – noise during peak construction (2028) and operation (2034) of main development site (Negligible, not significant)	Effects on health from particulate matter generated from operation (Negligible to minor, beneficial, not significant). Exhaust emissions from additional road vehicle movements during operation (Moderate, beneficial, not significant).	Views of operation (Moderate, adverse, not significant). Views of proposed lighting at night during operation (Major-moderate, adverse, significant).	There is a high potential for combined effects arising from air quality and views of proposed lighting at night during operation on receptors at The Red House. Combined, these effects are likely to lead to a higher sense of disturbance during operation, these effects are likely to be significant.
Timbers, Main Road.	Construction		,	
Figure 1.2 – TVB4	Noise and vibration during construction (Minor or Negligible, not significant)	Effects on health from particulate matter generated from construction activities (Negligible , not significant).	Views of construction (Major-moderate adverse, significant).	There is high potential for combined effects on receptors at Timbers, Main Road, combined these effects are likely to lead to a higher sense of disturbance during construction, and therefore
Noise and Vibration – Receptors 6, 7, 8 and 9. Air Quality – Receptor SX6		Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		are likely to be significant.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Landscape and Visual - visual receptor group 4.	Noise during peak construction (2028) and operation (2034) of main development site (Moderate beneficial, significant)	Effects on health from particulate matter generated from operation (Negligible to minor beneficial, not significant). Exhaust emissions from additional road vehicle movements during operation (Moderate, beneficial, not significant).	Views of operation (Moderate adverse, not significant).	There is a low potential for combined effects arising from air quality and views of operation during operation on receptors at Timbers, Main Road. Combined, these effects are unlikely to lead to a lower sense of disturbance during operation due to the beneficial effects arising during operation, although these effects are unlikely to be significant.
The Street, Farnham.	Construction			
Figure 1.2 – TVB5 Noise and Vibration – Receptors 20, 21, 22, 23, 24 and 25. Air Quality – Receptor SX15	Noise and vibration during set-up, site clearance and restoration (Minor or Negligible, not significant)		No effects identified at receptor location.	There is a low potential for combined effects arising from noise and vibration and air quality during construction on receptors at the Street. Combined, these effects are unlikely to lead to a lower sense of disturbance during operation due to the beneficial effects arising during construction, although these effects are unlikely to be significant.
Landscape and Visual - no corresponding residential receptor group Outside zone on visual influence. Hall Cottages and Farnham Hall, Farnham.	Operation			
	significant) Receptor 25 during construction of main	from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Moderate, beneficial, not significant).		arising from noise and vibration from
Figure 1.2 – TVB6 and TVB7 Noise and Vibration – Receptors 13. Air Quality – Receptor SX9	Vibration during construction (Negligible, not significant)	significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	moderate adverse, significant).	construction and views of construction activity. Combined these effects are likely to lead to an increased sense of disturbance for the receptors at Hall Cottages and Farnham Hall during the construction phase and an additional significant adverse inter-relationship effect is likely.
Landscape and Visual -	Operation			
Representative viewpoint 4 – residents around the southeast of Farnham and Farnham Hall (group 2).	Daytime noise during operation (peak construction 2028 and operation 2034) of main development site (Major adverse, significant).	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).		There is a high potential for combined effects arising from noise and vibration from operation and views of the bridge and road. Combined these effects are likely to lead to an increased sense of disturbance for the receptors at Hall Cottages and Farnham Hall during the operation phase and so an additional significant adverse inter-relationship effect is likely.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Pond Barn Cottages, Farnham. Figure 1.2 – TVB8 Noise and Vibration – Receptor 12.	Noise during construction (Minor adverse, not significant). Vibration during construction (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	Views of the construction activity (Moderate, adverse, not significant).	There is low potential for combined effects on receptors at Pond Barn Cottages. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during the construction phase.
	Operation	o.go.		
Air Quality – Receptor SX8 Landscape and Visual – Representative viewpoint 5 – footpaths and local roads south of Farnham, as well as local residents along them (group 3).	Noise during operation (peak construction of main development site 2028) (Major adverse, significant).	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	Views of operation (Moderate adverse, not significant). Views of proposed lighting at night during operation (Slight, adverse, not significant).	There is high potential for combined effects on receptors at Pond Barn Cottages. Combined, these effects are likely to lead to an increased sense of disturbance for the receptors and so an additional significant adverse inter-relationship effect is likely during the operation phase.
Farnham Hall Farmhouse.	Construction			
Figure 1.2 – TVB10 Noise and Vibration – Receptor 14.	Noise during construction (Minor adverse, not significant). Vibration during construction (Negligible, not significant).	Effects on health from particulate matter generated from construction (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not	Views of construction of the proposed Foxburrow Wood overbridge (Majormoderate adverse, significant).	There is high potential for combined effects on receptors at Farnham Hall Farmhouse. Combined, these effects are likely to lead to an increased sense of disturbance for the receptors and so an additional significant adverse inter-
Air Quality - Receptor E23_T_1 to E23_T_17.	Operation	significant).		relationship effect is likely during the construction phase.
Landscape and Visual – Users of footpaths and residents around the southeast of Farnham and Farnham Hall (group 2).	Noise during peak construction (2028) and operation (2034) of main development site (Major adverse, significant)	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	Views of the proposed Foxburrow Wood overbridge (Moderate adverse, not significant). Views of proposed lighting at night during operation (Slight, adverse, not significant).	There is high potential for combined effects on receptors at Farnham Hall Farmhouse. Combined, these effects are likely to lead to an increased sense of disturbance for the receptors and so an additional significant adverse interrelationship effect is likely during the operation phase.
Farnham Street Farm.	Construction			
Figure 1.2 – TVB12 Noise and Vibration – Receptor 17, 18, and 33.	Noise during construction (Minor adverse, not significant). Vibration during construction (Negligible, not significant).	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle		There is a high potential for combined effects arising from noise and vibration and air quality from construction and views of construction activity. Combined, these effects are likely to lead to an increased sense of disturbance for the
Air Quality – Receptor SX10.		movements during construction (Moderate, adverse, not significant).		receptors at Farnham Street Farm during the construction phase and an additional significant
<u>Landscape</u> and <u>Visual</u> – Representative viewpoint 2 –	Operation			adverse inter-relationship effect is likely.
residents and visitors around Friday Street (group 1). Rosehill Cottages.	Noise during peak construction (2028) and operation (2034) of main development site (Major adverse, significant) Construction	Effects on health from particulate matter generated from operation (Negligible , not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible , not significant).	Views of the proposed eastern roundabout during operation (Moderate, adverse, not significant). Views of proposed lighting at night during operation (Major-moderate, adverse, significant).	There is a high potential for combined effects arising from noise and vibration from construction, air quality and views of construction activity. Combined, these effects are likely to lead to an increased sense of disturbance and so an additional significant adverse inter-relationship effect is likely.
Roseniii Cottages.	Construction			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Figure 1.2 – TVB13 Noise and Vibration – Receptor 19.	Noise and vibration during set-up, site clearance and restoration (Negligible , not significant). Noise during construction (Minor , not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle	Views of the construction of the proposed eastern roundabout (Major-moderate, adverse, significant).	There is a high potential for combined effects arising from noise and vibration and air quality from construction, and views of construction. Combined, these effects are likely to lead to an increased sense of disturbance for receptors at
Air Quality – Receptor SX10	Vibration during construction (Negligible, not significant)	movements during construction (Moderate, adverse, not significant).		Rosehill Cottages during the construction phase and an additional significant adverse interrelationship is likely.
Landscape and Visual -	Operation			
Representative viewpoint 2 – residents and visitors around Friday Street (group 1).	Noise during peak construction of main development site and busiest day (2028) (Moderate or major adverse, significant)	Effects on health from particulate matter generated from operation (Negligible , not significant). Exhaust emissions from additional road vehicle	Views of the proposed eastern roundabout during operation (Moderate, adverse, not significant).	There is a high potential for combined effects arising from noise and vibration from operation, and views of the site. Combined, these effects are likely to lead to an increased sense of
	Noise during operation of main development site (2034) (Negligible, not significant)	movements during operation (Negligible, not significant).	Views of proposed lighting at night during operation (Major-moderate, adverse, significant).	disturbance for receptors at Rosehill Cottages
Benhall Stock Cottages.	Construction			
Figure 1.2 – TVB11	Noise during site set-up (Negligible, not significant)	Effects on health from particulate matter generated from construction activities (Negligible , not significant).		There is low potential for combined effects on receptors at Benhall Stock Cottages. Combined, these effects are unlikely to lead to an increased
Noise and Vibration – Receptors 32 and 16.	Vibration during site set-up (Moderate or Minor adverse, not significant)	Exhaust emissions from additional road vehicle movements during construction (Negligible , not		sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely.
Air Quality – Receptor SX5.	Noise and vibration during construction (Negligible, not significant)	significant).		
<u>Landscape and Visual</u> – Visual receptor group 5.	Operation Operation			
	Noise during peak construction (2028) and operation of main development site (2034) (Beneficial, significant)	Effects on health from particulate matter generated from construction activities (Negligible , not significant).		There is low potential for combined effects arising from noise and vibration and air quality from construction. Combined, these effects are not likely to lead to an increased sense of
		Exhaust emissions from additional road vehicle movements during construction (Moderate, beneficial, not significant).		disturbance for receptors at Benhall Stock Cottages during the operation phase so no additional significant adverse inter-relationship is likely



Table 2B.5: Inter-relationship effects on residential receptors, commercial facilities, community facilities and schools from activity at the Sizewell link road

residents west of the A12 for one field (between Kelsale Lodge and Long Wood) (group 2). Special Tree Farm. Figure 1.2 – SLR3 Noise and Vibration – Receptor Sugnificant) There is low potential from particulate matter generated from operation (Negligible, not significant). Selfects on health from particulate matter generated from operation (Negligible, not significant). Effects on health from particulate matter generated from operation (Negligible, not significant). Selfects on health from particulate matter generated movements during operation (Negligible, not significant). Significant) There is low potential from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant). Sometime in the proposed A12 roundabout from operation (Negligible, not significant). Significant) There is a high potential from operation (Negligible, not significant). Significant) Noise during preparatory works, restoration and main construction phase (minor adverse, not significant). Effects on health from particulate matter generated from construction activities (Negligible, not significant). Significant) Noise during preparatory works, restoration and main construction phase (minor adverse, not significant). Effects on health from particulate matter generated from construction activities (Negligible, not significant). Significant) Noise during preparatory works, restoration and main construction phase (minor adverse, not significant). Significant) There is a high potential from particulate matter generated from operation (Negligible, not significant). Significant)	e Lodge Cottages
main construction phase (negligible, not significant) movements during construction (Negligible, not significant) movements during construction (Negligible, not significant) movements during construction phase (negligible, not significant) movements during construction (Negligible, not significant)	e Lodge Cottages
Vibration during main construction phase of public footpaths and local residents west of the A12 for one field (between Kelsale Lodge and Long Wood) (group 2). Operational noise during peak construction year (2028) and first year of operation of the main development site (negligible, not significant). Eigure 1.2 – SLR3 Noise and Vibration – Recentor Noise and Vibration – Recentor of public footpaths and local residents west of the A12 for Operation during main construction phase (negligible, not significant) Effects on health from particulate matter generated from operation (Negligible, not significant). Effects on health from particulate matter generated from operation (Negligible, not significant). Effects on health from particulate matter generated main construction phase (minor adverse, not significant). Effects on health from particulate matter generated from operation (Negligible, not significant). Effects on health from particulate matter generated main construction phase (minor adverse, not significant). Effects on health from particulate matter generated from construction of the proposed A12 or operation (Negligible, not significant). Effects on health from particulate matter generated from construction of the proposed A12 or operation (Negligible, not significant). Noise during preparatory works, restoration and main construction phase (minor adverse, not significant). Effects on health from particulate matter generated from construction of the proposed A12 or operation (Negligible, not significant). Views of the proposed A12 or operation (Negligible, not significant). Views of the proposed A12 or operation (Negligible, not significant). Views of the proposed A12 or operation (Negligible, not significant). Views of the proposed A12 or operation operat	rbance for the receptors gnificant adverse inter
Lodge and Long Wood) (group 2). (2028) and first year of operation of the main development site (negligible, not significant) (2028) and first year of operation of the main development site (negligible, not significant) (2028) and first year of operation of the main development site (negligible, not significant) (2028) and first year of operation of the main development site (negligible, not significant) (2028) and first year of operation of the main development site (negligible, not significant) (2028) and first year of operation of the main development site (negligible, not significant) (2028) and first year of operation of the main development site (negligible, not significant) (2028) and first year of operation of the main development site (negligible, not significant) (2028) and first year of operation of the main development site (negligible, not significant) (2028) and first year of operation of the main development site (negligible, not significant) (2028) and first year of operation of the main development site (negligible, not significant) (2028) and first year of operation of the main development site (negligible, not significant) (2028) and first year of operation (Negligible, not significant) (2028) and first year of operation (Negligible, not significant) (2028) and first year of operation (Negligible, not significant) (2028) and first year of operation of the proposed lighting at night during operation (Moderate adverse, not significant) (2028) and first year of operation (Negligible, not significant) (2028) and first year of operation (Negligible, not significant) (2028) and first year of operation (Negligible, not significant) (2028) and first year of operation (Negligible, not significant) (2028) and first year of operation (Negligible, not significant) (2028) and first year of operation (Negligible, not significant) (2028) and first year of operation (Negligible, not significant) (2028) and first year of operation (Negligible, not significant) (2028) and first year op	
Fir Tree Farm. Construction Noise during preparatory works, restoration and main construction phase (minor adverse, not significant) Effects on health from particulate matter generated from construction activities (Negligible, not significant) Views of the construction of the proposed A12 roundabout and road and temporary contractor compounds (Major-moderate to moderate, construction. Combined)	e Lodge Cottages s are unlikely to lead to of disturbance for the additional significan
Moise and Vibration – Recentor Noise Noise and Vibration – Recentor Noise Nois	
Vibration during preparatory works and restoration (minor adverse, not significant) Landscape and Visual – Users Vibration during main construction phase visual – Users Vibration during main construction phase visual – Users Vibration during main construction phase visual – Users Vibration during preparatory works and restoration (minor adverse, not significant) Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant) Vibration during main construction phase visual – Users	ration and views o , these effects are likely increased sense o s at Fir Tree Farm during and so an additiona
of public footpaths and local residents between the Operation (negligible, not significant)	
residents between the boundary of Rookery Park to the north, the East Suffolk Line to the east, Town Farm Lane to the south and the A12 to the west (group 1). Specially Operational noise during peak construction year (2028) of the main development site (moderate west (group 1). Effects on health from particulate matter generated from operation (Negligible, not significant). Effects on health from particulate matter generated from operation (Negligible, not significant). Wiews of the proposed A12 roundabout (Moderate, adverse, not significant). There is a high potential from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant). Significant).	ration and views o , these effects are likely increased sense o s at Fir Tree Farm during additional significan
The Red House Farm and Construction	
Receptors 30 and 32 - Noise during preparatory works, restoration and main construction phase (minor adverse, not significant) Receptors 30 and 32 - Noise during preparatory works, restoration and main construction phase from construction activities (Negligible, not significant) Effects on health from particulate matter generated works of the construction of the proposed A12 roundabout and road and temporary contractor compounds (Major-moderate, adverse, significant). There is a high potenti from noise and vibration significant).	ration and views o , these effects are likely
Noise and Vibration – Receptor 30, 31, 32. Air Quality – Receptor SX1. Receptor 31 - Noise during preparatory works, restoration and main construction phase (negligible, not significant) Receptor 31 - Noise during preparatory works, restoration and main construction phase (inegligible, not significant) Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	ors at The Red House g the construction phase gnificant adverse inter
Landscape and Visual – Receptors 30 and 32 – Vibration during preparatory works, restoration and main construction (minor adverse, not significant)	· <i>J</i> ·



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Receptor 31 – Vibration during preparatory works, restoration and main construction (negligible , not significant)			
	Operation			
	Operational noise during peak construction year (2028) of the main development site (minor adverse, not significant) Operational noise during first year of operation of the main development site (negligible, not significant)	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	Views of the construction of the proposed A12 roundabout and road and temporary contractor compounds (Major-moderate, adverse, significant).	There is a high potential for combined effects arising from noise and vibration and air quality during operation. Combined, these effects are likely to lead to a sense of increased disturbance on receptors at The Red House Farm and Rosetta during operation, and so an additional significant adverse inter-relationship effect is likely.
B1122 East of Yoxford.	Construction			
Noise and Vibration – Receptor 25.	Noise during preparatory works, restoration and main construction phase (negligible, not significant)	Effects on health from particulate matter generated from construction activities (Negligible , not significant).	No effects identified at receptor location.	There is low potential for combined effects on receptors at B1122 East of Yoxford. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no
Air Quality – Receptor YX6. Landscape and Visual – No corresponding visual receptor	Vibration during preparatory works and restoration (minor adverse, not significant) Vibration during main construction phase	Exhaust emissions from additional road vehicle movements during construction (Negligible , not significant).		additional significant adverse inter-relationship effect is likely during construction.
group. Outside zone of visual influence.	(negligible, not significant) Operation			
	Operational noise during peak construction year (2028) of the main development site (minor adverse, not significant) Operational noise during first year of operation of the main development site (negligible, not significant)	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant)	No effects identified at receptor location.	There is low potential for combined effects on receptors at B1122 East of Yoxford. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during operation.
Vale Cottage and Oakfield	Construction	oigninount).	I	chest is intery during operation.
House. Figure 1.2 – SLR5 and SLR6		Effects on health from particulate matter generated from construction activities (Negligible, not significant).		There is a high potential for combined effects arising from noise and vibration and, views of construction and air quality during construction. Combined, these effects are likely to lead to a
Noise and Vibration – Receptor 19. Air Quality – Receptor YX5.	Vibration during preparatory works, restoration and main construction (negligible, not significant)	Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		sense of increased disturbance on receptors at Vale Cottage and Oakfield House during construction, and so an additional significant
All Quality - Neceptor 173.	Operation			adverse inter-relationship effect is likely.
<u>Landscape and Visual</u> – Visual	Operational poise during peak construction year	Effects on health from particulate matter generated	Views of operation (Moderate adverse not	There is a high notential for combined offects
receptor group 3.	Operational noise during peak construction year (2028) and first year of operation of the main development site (major adverse, significant) Construction	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	Views of operation (Moderate, adverse, not significant). Views of proposed lighting at night during operation (Moderate, adverse, not significant).	There is a high potential for combined effects arising from noise and vibration and, views of lighting and air quality during operation. Combined, these effects are likely to lead to a sense of increased disturbance on receptors at Vale Cottage and Oakfield House during operation, and so an additional significant adverse inter-relationship effect is likely.
	- Contraction			



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Valley Farm House, Annesons Cottage and Coronation Cottages. Figure 1.2 – SLR11 and SLR12. Noise and Vibration – Receptor 10, 11, 20, 21 and 22. Air Quality – Receptor YX7.	Noise during preparatory works, restoration and main construction phase (minor adverse, not significant) Receptors 10, 20 and 22 – Vibration during preparatory works, restoration and main construction (negligible, not significant) Receptors 11 and 21 - during preparatory works, restoration and main construction (minor adverse, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		There is a high potential for combined effects arising from noise and vibration and, views of construction and air quality during construction. Combined, these effects are likely to lead to a sense of increased disturbance on receptors at Valley Farm House, Annesons Cottage and Coronation Cottages during construction, and so an additional significant adverse interrelationship effect is likely.
	Operation			
Landscape and Visual – Representative viewpoint 5 and group 4.	Receptor 10 - Operational noise during peak construction year (2028) and first year of operation of the main development site (minor beneficial, not significant) Receptor 11 - Operational noise during peak construction year (2028) (negligible, not significant) Receptor 11 - Operational noise during first year of operation of the main development site (moderate beneficial, significant) Receptor 20 - Operational noise during peak construction year (2028) of the main development site (major adverse, significant) Receptor 20 - Operational noise during first year of operation of the main development site (moderate adverse, significant) Receptors 21 and 22 - Operational noise during peak construction year (2028) of the main development site (minor beneficial, not significant) Receptors 21 and 22 - Operational noise during first year of operation of the main development site (minor beneficial, not significant)	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	Views of operation (Moderate, adverse, not significant). Views of proposed lighting at night during operation (Moderate, adverse, not significant).	There is a high potential for combined effects arising from noise and vibration and, views of construction and air quality during operation. Combined, these effects are likely to lead to a sense of increased disturbance on receptors at Valley Farm House, Annesons Cottage and Coronation Cottages during construction, and so an additional significant adverse interrelationship effect is likely.
Forge Cottage and Walnut	Construction			
Cottage.	Receptor 15 - Noise during preparatory works,	Effects on health from particulate matter generated	Views of construction activity (Major-	There is a high potential for combined effects
Figure 1.2 – SLR14 and SLR15 Noise and Vibration – Receptors 15, 16 and 28. Air Quality – Receptors LE5 and LE6.	restoration and main construction phase (minor adverse, not significant) Receptors 16 and 28 - Noise during preparatory works, restoration and main construction phase (negligible, not significant)	from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	moderate, adverse, significant).	arising from noise and vibration from construction and views of construction activity. Combined, these effects are likely to lead to an increased sense of disturbance for the receptors at Forge Cottage and Walnut Cottage during the construction phase and an additional significant adverse inter-relationship effect is likely and an additional significant adverse inter-relationship effect is likely.



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Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
<u>Landscape</u> and <u>Visual</u> – Representative viewpoint 1 and group 7.	Vibration during preparatory works, restoration and main construction phase (negligible, not significant) Operation			
	Receptors 15 and 16 - Operational noise during peak construction year (2028) (major adverse, significant) Receptors 15 and 16 - Operational noise during first year of operation of the main development site (minor adverse, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible (LE5) to minor beneficial (average and busiest day) (LE6), not significant).	Views of operation (Moderate, adverse, not significant).	There is a high potential for combined effects arising from noise and vibration from operation and views of the operational road. Combined, these effects are likely to lead to an increased sense of disturbance for the receptors at Forge Cottage and Walnut Cottage during the operation phase and so an additional significant adverse inter-relationship effect is likely.
The Granary and Theberton	Receptor 28 - Operational noise during peak construction year (2028) and first year of operation of the main development site (major beneficial, significant) Construction			
Grange. Figure 1.2 – SLR 17		Effects on health from particulate matter generated from construction activities (Negligible, not significant).		There is low potential for combined effects on receptors at The Granary and Theberton Grange. Combined, these effects are unlikely to lead to an increased sense of disturbance for the
Noise and Vibration – Receptor 17 and 38. Air Quality – Receptor LE4.	Vibration during preparatory works, restoration and main construction phase (negligible, not significant)	Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		receptors and so no additional significant adverse inter-relationship effect is likely during construction.
Landscape and Visual – no	Operation	I	I	
corresponding visual receptor group. Outside zone of visual influence.	Operational noise during peak construction year (2028) (major adverse, significant)	Effects on health from particulate matter generated from operation (Negligible , not significant).	No effects identified at receptor location.	There is high potential for combined effects on receptors at The Granary and Theberton Grange. Combined, these effects are likely to
	Receptor 17 - Operational noise during first year of operation of the main development site (moderate adverse, significant)	Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).		lead to an increased sense of disturbance for the receptors and so an additional significant adverse inter-relationship effect is likely during operation.
	Receptor 38 - Operational noise during first year of operation of the main development site (negligible, not significant)			operation.
·	I .	1	I .	

Table 2B.6: Inter-relationship effects on residential receptors, commercial facilities, community facilities and schools from activity at the Yoxford roundabout and other highway improvements

Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
High Street, Cavan Cottage,	Construction			
and surrounding properties.		Effects on health from particulate matter generated from construction activities (Negligible, not	Change to channelled view towards existing	There is a low potential for combined effects
<u>Figure 1.3</u> – YOX1 & YOX7	construction works (negligible, not significant)	significant).	A12/B1122 junction (Slight, adverse, not significant).	arising from noise and vibration and views of the construction. Combined, these effects are
Noise and Vibration – Receptor 10, 11, 12, 13.	Noise and vibration of construction of A12/A144	Exhaust emissions from additional road vehicle movements during construction (Negligible , not		unlikely to lead to an increased sense of disturbance for the receptors at High Street, Cavan Cottage, and surrounding properties
		significant).		Cavair Collage, and Surrounding properties

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Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Air Quality – Receptors YX2. Landscape and Visual –				during the construction phase and so no additional significant adverse inter-relationship effect is likely.
Representative viewpoint R4.	Operation	I		
	Noise from the operation of the road in 2028 and 2028 busiest period (negligible, not significant) Noise during operation in 2034 (negligible, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	Change to channelled view towards existing A12/B1122 junction (Slight, adverse, not significant). Visibility of proposed lighting at night (Minimal neutral, not significant).	There is a low potential for combined effects arising from noise and vibration from operation and views of the roundabout. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors at High Street, Cavan Cottage, and surrounding properties during operation and so no additional significant adverse inter-relationship effect is likely.
Brook Street, Woodland	Construction			
Cottages, White House / Lodge. Figure 1.3 – YOX2 Noise and Vibration – Receptor 1 and 4. Air Quality – YX3. Landscape and Visual – Representative Viewpoint 3.	Noise from roundabout site preparation works, main construction works and vibration during main construction works (negligible, not significant) Receptor 4 - Noise and vibration of construction of A12/A144 junction improvement works (negligible, not significant) Receptor 1 - Noise and vibration of construction of A12/A144 junction improvement works (minor adverse, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		There is a low potential for combined effects arising from noise and vibration, air quality and views of the construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors at Brook Street, Woodland Cottages and White House / Lodge during the construction phase and so no additional significant adverse inter-relationship effect is likely.
Representative viewpoint 3.	Operation		,	
	Noise from the operation of the road in 2028 and 2028 busiest period (negligible, not significant) Noise during operation in 2034 (negligible, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	Visibility of proposed Yoxford roundabout and associated infrastructure (Moderate adverse, not significant). Visibility of proposed lighting at night (Slight adverse, not significant).	There is a low potential for combined effects arising from noise and vibration, air quality and views of the construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors at Brook Street, Woodland Cottages and White House / Lodge during operation and so no additional significant adverse inter-relationship effect is likely.
Rookery Lodge, Pinn's Piece	Construction			
and Sans Souci. Figure 1.3 – YOX3 Noise and Vibration – Receptor 5, 6, 7.	preparation works, main construction works and vibration during main construction works (negligible, not significant) Receptor 5 - Noise from roundabout site preparation	Exhaust emissions from additional road vehicle movements during construction (Negligible, not	adverse, not significant).	There is a low potential for combined effects arising from noise and vibration, air quality and views of the construction. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors at Rookery Lodge, Pinn's Piece and Sans Souci during the
Air Quality – YX18. Landscape and Visual – Representative Viewpoint 3.	works (negligible, not significant), Receptor 5 – noise from roundabout main construction works (minor adverse, not significant) Receptor 5 – Vibration during construction of roundabout (negligible, not significant)	significant).		construction phase and so no additional significant adverse inter-relationship effect is likely.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
	Noise and vibration of construction of A12/A144 junction improvement works (negligible, not significant)			
	Operation		I	
	Noise from the operation of the road in 2028 and 2028 busiest period (negligible, not significant) Noise during operation in 2034 (negligible, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	associated infrastructure (moderate adverse, not significant). Visibility of proposed lighting at night (Slight	views of the construction. Combined, these effects are unlikely to lead to an increased sense
Sunnypatch, Middleton Road,	Construction			
The Old Barn Rookery Cottages and the Barn. Figure 1.3 – YOX4 and YOX5.		Effects on health from particulate matter generated from construction activities (Negligible , not significant).		There is a low potential for combined effects arising from noise and vibration, air quality and views of the construction. Combined, these effects are unlikely to lead to an increased sense
Noise and Vibration – Receptor 14, 15, 8 and 9.	Receptors 15, 8 and 9 - Noise from roundabout site preparation works (minor adverse, not significant),	Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		of disturbance for the receptors at Sunnypatch, Middleton Road, The Old Barn Rookery Cottages and the Barn during the construction phase and so no additional significant adverse
Air Quality – YX6 and YX19. Landscape and Visual – Representative viewpoint 2.	Receptors 15, 8 and 9 – noise from roundabout main construction works (minor adverse, not significant)			inter-relationship effect is likely.
	Receptor 9 – Vibration during compaction of temporary constructors' compound (moderate adverse, not significant due to duration)			
	Receptor 8 – Vibration during earthworks of roundabout (minor adverse, not significant)			
	Vibration during all phases of construction (negligible, not significant)			
	Noise and vibration of construction of A12/A144 junction improvement works (negligible, not significant)			
	Operation		1	1
	Noise from the operation of the road in 2028 and 2028 busiest period (minor adverse, not significant)	Effects on health from particulate matter generated from construction activities (Negligible , not significant).		There is a low potential for combined effects arising from noise and vibration, air quality and views of the construction. Combined, these effects are unlikely to lead to an increased sense
	Noise during operation in 2034 (negligible, not significant)	Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	Visibility of proposed lighting at night (Slight adverse, not significant).	of disturbance for the receptors at Sunnypatch, Middleton Road, The Old Barn Rookery Cottages and the Barn operation and so no additional significant adverse inter-relationship effect is likely.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Cockfield Hall Lodge and	Construction			
surrounding properties.	Noise from roundabout site preparation works	Effects on health from particulate matter generated		There is a low potential for combined effects
Figure 1.3 – YOX6	(minor adverse, not significant), Vibration during earthworks of roundabout (minor	from construction activities (Negligible, not significant).	vegetation (Minimal, neutral, not significant).	arising from noise and vibration, air quality and views of the construction. Combined, these
Noise and Vibration – 23	adverse, not significant)	Exhaust emissions from additional road vehicle		effects are unlikely to lead to an increased sense of disturbance for the receptors at Cockfield Hall
Air Quality – Receptor YX20.	Noise and vibration of construction of A12/A144 junction improvement works (negligible, not	movements during construction (Negligible, not significant).		Lodge during the construction phase and so no additional significant adverse inter-relationship
Landscape and Visual -	significant)			effect is likely.
Representative Viewpoint 1.	Operation		,	
	Noise from the operation of the road in 2028 and 2028 busiest period (minor adverse, not significant)	Effects on health from particulate matter generated from construction activities (Negligible , not significant).	Visibility of tops of proposed lighting columns and glimpses of road infrastructure (Slight adverse, not significant).	There is a low potential for combined effects arising from noise and vibration, air quality and views of the construction. Combined, these effects are unlikely to lead to an increased sense
	Noise during operation in 2034 (negligible, not significant)	Exhaust emissions from additional road vehicle movements during construction (Negligible , not significant).	Visibility of proposed lighting at night (Slight adverse, not significant).	of disturbance for the receptors at Cockfield Hall Lodge during operation and so no additional significant adverse inter-relationship effect is likely.

Table 2B.7: Inter-relationship effects on residential receptors, commercial facilities, community facilities and schools from activity at the freight management facility

Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
1 and 2 Keepers Cottages.	Construction			
Figure 1.2 – FMF3 Noise and Vibration – 1 and 2 Keepers Cottages. Air Quality – Receptors BK8 and BK8c. Landscape and Visual –	Construction noise (no higher than minor adverse, not significant). Construction vibration (negligible, not significant).	Effects on amenity or health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (negligible, not significant).	Views of construction activity, (Major-moderate, adverse significant).	There is a high potential for combined effects arising from noise and vibration from construction, air quality and views of construction activity. Combined, these effects are likely to lead to an increased sense of disturbance for the receptors at 1 and 2 Keepers Cottage during the construction phase and an additional significant adverse inter-relationship effect is likely and so an additional significant
Representative Viewpoint 1.	Operation			adverse inter-relationship effect is likely.
	Noise and vibration from operation of the proposed development (negligible, not significant).	Effects on health from particulate matter generated from operation (Negligible , not significant). Exhaust emissions from additional road vehicle movements during operation (negligible , not significant).		There is a low potential for combined effects arising from noise and vibration, air quality and views of the operational freight management facility. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors at 1 and 2 Keepers Cottage during operation and so no additional significant adverse inter-relationship effect is likely.
	Removal and Reinstatement			
	Noise during removal and reinstatement (no higher than minor adverse, not significant).	Effects on amenity or health from particulate matter generated from construction activities (Negligible , not significant).	Views of construction activity, (Major-moderate, adverse significant).	There is a high potential for combined effects arising from noise and vibration from construction, air quality and views of
	Vibration from removal and reinstatement (negligible, not significant).			construction activity. Combined, these effects are likely to lead to an increased sense of



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
		Exhaust emissions from additional road vehicle movements during construction (negligible, not significant).		disturbance for the receptors at 1 and 2 Keepers Cottage during the construction phase and an additional significant adverse inter-relationship effect is likely and so an additional significant adverse inter-relationship effect is likely.
Property Adjacent Walk Barn.	Construction			
Figure 1.2 – FMF2 Noise and Vibration – No corresponding residential receptor. Air Quality – BK 4	No effects identified at receptor location.	Effects on amenity or health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (negligible, not significant).	No effects identified at receptor location.	There is no potential for combined effects on receptors at Property Adjacent Walk Barn and so no additional significant adverse interrelationship effect is likely during construction.
MI Quality DIC 4	Operation			
<u>Landscape and Visual</u> – No corresponding visual receptor group.	No effects identified at receptor location.	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (negligible, not significant).	No effects identified at receptor location.	There is no potential for combined effects on receptors at Property Adjacent Walk Barn and so no additional significant adverse interrelationship effect is likely during operation.
	Removal and reinstatement.			
	No effects identified at receptor location.	Effects on amenity or health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (negligible, not significant).		There is no potential for combined effects on receptors at Property Adjacent Walk Barn and so no additional significant adverse interrelationship effect is likely during removal and reinstatement.
Woodland View.	Construction	,		
Figure 1.2 – FMF1 Noise and Vibration – No corresponding residential receptor. Air Quality Receptor RK 6	No effects identified at receptor location.	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (negligible, not significant).		There is no potential for combined effects on receptors at Woodland View and so no additional significant adverse inter-relationship effect is likely during construction.
Air Quality – Receptor BK 6.	Operation	,		
<u>Landscape and Visual</u> – No corresponding visual receptor group.	No effects identified at receptor location.	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (negligible, not significant).	·	There is no potential for combined effects on receptors at Woodland View and so no additional significant adverse inter-relationship effect is likely during operation.
	Removal and reinstatement.	,	•	
	No effects identified at receptor location.	Effects on health from particulate matter generated from removal and reinstatement activities (Negligible, not significant).	No effects identified at receptor location.	There is no potential for combined effects on receptors at Woodland View and so no additional significant adverse inter-relationship effect is likely during removal and restoration.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
		Exhaust emissions from additional road vehicle movements during removal and reinstatement activities (Negligible, not significant).		

Table 2B.8: Inter-relationship effects on residential receptors, commercial facilities, community facilities and schools from activity at the rail proposals

Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.	
Abbey Lodge Farm	Construction				
Figure 1.2 – GR1 Noise and Vibration – No corresponding residential receptor	Noise and vibration during construction (Negligible or minor, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).	No effects identified at receptor location.	There is low potential for combined effects on receptors at Abbey Lodge Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during construction.	
Air Quality - Receptor	Operation				
LE3. Landscape and Visual – No corresponding visual receptor group.	Night time and daytime noise during operation of the rail extension and branch line (Negligible, not significant) Night time noise during operation of the east Suffolk line (Negligible, not significant) Daytime noise during operation of the east Suffolk line (Low, not significant)	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Average day - Negligible, not significant, Busiest day - Minor, adverse, not significant).	No effects identified at receptor location.	There is low potential for combined effects on receptors at Abbey Lodge Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during operation.	
	Removal and Reinstatement.				
		Effects on health from particulate matter generated from removal and reinstatement activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).	No effects identified at receptor location.	There is low potential for combined effects on receptors at Abbey Lodge Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during removal and reinstatement.	
Old Abbey Farm	Construction	, (- 3 3)	,		
Figure 1.2 – GR2 Noise and Vibration – Receptor 8.	Noise and vibration during construction (Negligible or minor, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle	No effects identified at receptor location.	There is low potential for combined effects on Old Abbey Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship	
Air Quality – Receptor LE17.		movements during construction (Negligible, not significant).		effect is likely during construction.	
Landscape and Visual - No	Operation				
corresponding visual receptor group.	Night time and daytime noise during operation of the rail extension and branch line (Negligible, not significant)	Effects on health from particulate matter generated from operation (Negligible , not significant). Exhaust emissions from additional road vehicle	No effects identified at receptor location.	There is low potential for combined effects on Old Abbey Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no	
	Night time noise during operation of the east Suffolk line (Negligible, not significant)	movements during operation (Negligible, not significant).		additional significant adverse inter-relationship effect is likely during Operation.	



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.	
	Daytime noise during operation of the east Suffolk line (Low, not significant)				
	Removal and reinstatement.			,	
		Effects on health from particulate matter generated from removal and restoration (Negligible, not significant). Exhaust emissions from additional road vehicle movements during removal and restoration		There is low potential for combined effects on Old Abbey Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during removal and reinstatement.	
Pro Corda	Construction	(Negligible, not significant).			
Figure 1.2 – GR4 Noise and Vibration – Receptor 7 Air Quality – Receptor LE15 and LE16.	Noise and vibration during construction (Negligible or minor, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant). Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		There is low potential for combined effects on Pro Corda. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during construction.	
and LE 16.	Operation Significantly.				
Landscape and Visual – Representative Viewpoint 1 (although viewpoint is more elevated - group 3).	Night time and daytime noise during operation of the rail extension and branch line (Negligible, not significant) Night time noise during operation of the east Suffolk line (Negligible, not significant)		Glimpsed views of trains and bunds through Abbey Lane vegetation and more open views of Abbey Road level crossing (Slight, adverse, not significant).	There is low potential for combined effects on Pro Corda. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during operation.	
	Daytime noise during operation of the east Suffolk line (Low, not significant) Removal and reinstatement.				
	Noise and vibration during removal and	Effects on health from particulate matter generated from removal and reinstatement (Negligible, not significant). Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).	Glimpsed views of construction (Slight, adverse, not significant).	There is low potential for combined effects on Pro Corda. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during removal and reinstatement.	
105 Abbey Road	Construction	(regingine, not significant).			
Figure 1.2 – GR6 Noise and Vibration – Receptor 3 and 4	Noise and vibration during construction (Negligible or minor, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant).		receptors at 105 Abbey Road. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no	
Air Quality – Receptor LE2 and LE19.		Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		additional significant adverse inter-relationship effect is likely during construction.	
Operation					
Landscape and Visual – Close to representative Viewpoint 2 (group 1).	Night time and daytime noise during operation of the branch line and rail extension during the early years (Negligible, not significant)	Effects on health from particulate matter generated from operation (Negligible , not significant).	Views of trains and bunds through garden vegetation (Moderate, adverse, not significant).	There is no potential for combined effects on receptors at 105 Abbey Road. Combined, these effects are unlikely to lead to an increased sense	



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.	
	Rail extension and branch line during later years at Receptor 3 (Low, not significant) Night time noise during operation of the east Suffolk line (Negligible, not significant)	Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	Visibility of proposed lighting at night. (Minimal, neutral, not significant).	of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during operation.	
	Daytime noise during operation of the east Suffolk line (Low, not significant)				
	Removal and reinstatement.				
		Effects on health from particulate matter generated from removal and reinstatement (Negligible , not significant).		receptors at 105 Abbey Road. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no	
		Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).		additional significant adverse inter-relationship effect is likely during removal and reinstatement.	
Phoenix Cottage, Harling Way,	Construction	· · · · · · · · · · · · · · · · · · ·			
<u>Leiston and Highbury Cottages</u> <u>Figure 1.2</u> – GR13, GR14 and GR15	Noise and vibration during construction (Negligible or minor, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant).	Views of construction activity (Minimal adverse, not significant).	There is low potential for combined effects on properties at Phoenix Cottage, Harling Way, Leiston and Highbury Cottages. Combined, these effects are unlikely to lead to an increased	
Noise and Vibration – Receptor 9.		Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during construction.	
Air Quality - Receptor LE20,	Operation Operation				
LE21 and LE22. Landscape and Visual – Visual receptor group 1.	Night time and daytime noise during operation of the rail extension and branch line (Negligible, not significant) Night time noise during operation of the east Suffolk line (Negligible, not significant)	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	Views of operation (Moderate adverse, not significant).	There is low potential for combined effects on properties at Phoenix Cottage, Harling Way, Leiston and Highbury Cottages. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-	
	Daytime noise during operation of the east Suffolk line (Low, not significant)			relationship effect is likely during operation.	
	Removal and Reinstatement.	Effects and health for each of the control of		The state of the s	
		Effects on health from particulate matter generated from removal and reinstatement (Negligible , not significant).	Views of removal and reinstatement activity (Minimal adverse, not significant).	There is low potential for combined effects on properties at Phoenix Cottage, Harling Way, Leiston and Highbury Cottages. Combined, these effects are unlikely to lead to an increased	
		Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).		sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during removal and reinstatement.	
Wood Farm Cottages,	Construction				
Westward Ho Figure 1.2 – GR16	Noise and vibration during construction (Negligible or minor, not significant)	Effects on health from particulate matter generated from construction activities (Negligible , not significant).		There is low potential for combined effects on properties at Westwood Farm Cottages. Combined, these effects are unlikely to lead to	
Noise and Vibration – Receptor 9		Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during construction.	



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Air Quality – Receptor LE56.	Operation			
Landscape and Visual – Representative viewpoint 7 (group 1).	Night time and daytime noise during operation of the rail extension and branch line (Negligible, not significant) Night time noise during operation of the east Suffolk line (Negligible, not significant)	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	Occasional views of trains and bunds through garden/trackside vegetation (Moderate, adverse, not significant). Visibility of proposed lighting at night. (Minimal, neutral, not significant).	There is low potential for combined effects on properties at Westwood Farm Cottages. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during operation.
	Daytime noise during operation of the east Suffolk line (Low, not significant) Removal and Reinstatement.			operation.
	Noise and vibration during removal and	Effects on health from particulate matter generated from removal and reinstatement (Negligible , not significant).	Views of construction (Minimal, adverse, not significant).	properties at Westwood Farm Cottages. Combined, these effects are unlikely to lead to an increased sense of disturbance for the
		Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).		receptors and so no additional significant adverse inter-relationship effect is likely during removal and reinstatement.
<u>Leiston House Farm</u>	Construction			
Figure 1.2 – GR17 Noise and Vibration – Receptor	Noise and vibration during construction (Negligible or minor, not significant)	Effects on health from particulate matter generated from construction activities (Negligible , not significant).	No effects identified at receptor location.	There is low potential for combined effects on properties at Leiston House Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no
5. <u>Air Quality</u> – Receptor LE55.		Exhaust emissions from additional road vehicle movements during construction (Negligible , not significant).		additional significant adverse inter-relationship effect is likely during construction.
Landscape and Visual - No	Operation			
corresponding visual receptor group.	Night time and daytime noise during operation of the rail extension and branch line (Negligible, not significant) Night time noise during operation of the east Suffolk line (Negligible, not significant)	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	No effects identified at receptor location.	There is low potential for combined effects on properties at Leiston House Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during operation.
	Daytime noise during operation of the east Suffolk line (Low, not significant) Removal and Reinstatement.			
		Effects on health from particulate matter generated from removal and reinstatement (Negligible , not significant).	No effects identified at receptor location.	There is low potential for combined effects on properties at Leiston House Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no
		Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).		additional significant adverse inter-relationship effect is likely during removal and reinstatement.
<u>Fisher's Farm</u>	Construction			
Figure 1.2 – GR18 Noise and Vibration – Receptor 6.	Noise and vibration during construction (Negligible or minor, not significant)	Effects on health from particulate matter generated from construction activities (Negligible , not significant).		There is low potential for combined effects on receptors at Fisher's Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during construction.



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.	
Air Quality – Receptor LE23. Landscape and Visual –		Exhaust emissions from additional road vehicle movements during construction (Negligible , not significant).			
Representative viewpoint 4	Operation				
(although viewpoint is more open - group 2).	Night time and daytime noise during operation of the rail extension and branch line (Negligible, not significant) Night time noise during operation of the east Suffolk line (Negligible, not significant)	Effects on health from particulate matter generated from operation (Negligible, not significant). Exhaust emissions from additional road vehicle movements during operation (Negligible, not significant).	Views of proposed lighting columns and operational vehicles and infrastructure (Majormoderate, adverse, not significant). Visibility of proposed lighting at night (Minimal, adverse, not significant).	There is low potential for combined effects on receptors at Fisher's Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during operation.	
	Daytime noise during operation of the east Suffolk line (Low, not significant)				
	Removal and Reinstatement.				
	Noise and vibration during removal and reinstatement (Negligible or minor, not significant)	from removal and reinstatement (Negligible, not significant). Exhaust emissions from additional road vehicle	Views of construction associated with removal and restoration (Minimal, neutral, not significant).	There is low potential for combined effects on receptors at Fisher's Farm. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship	
		movements during removal and reinstatement (Negligible, not significant).		effect is likely during removal and reinstatement.	
Abbey Lane (Gypsy Lodge)	Construction	(Negligible, not significant).			
Figure 1.2 – GR19 Noise and Vibration – Receptor	Noise and vibration during construction (Negligible or minor, not significant)	Effects on health from particulate matter generated from construction activities (Negligible, not significant).		There is low potential for combined effects on receptors at Abbey Lane. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no	
6. <u>Air Quality</u> – Receptor LE54.		Exhaust emissions from additional road vehicle movements during construction (Negligible , not significant).		additional significant adverse inter-relationship effect is likely during construction.	
Landscape and Visual – Visual	Operation				
receptor group 5.	Night time and daytime noise during operation of the rail extension and branch line (Negligible , not significant)		Views of operation (Moderate adverse, not significant).	There is low potential for combined effects on receptors at Abbey Lane. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no	
	Night time noise during operation of the east Suffolk line (Negligible, not significant)	movements during operation (Negligible, not significant).		additional significant adverse inter-relationship effect is likely during operation.	
	Daytime noise during operation of the east Suffolk line (Low, not significant) Removal and Reinstatement.				
		Effects on hoolth from noticulate methor constituted	Views of removal and reinstatement	There is low notantial for combined effects an	
		Effects on health from particulate matter generated from removal and reinstatement (Negligible , not significant).		There is low potential for combined effects on receptors at Abbey Lane. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no	
		Exhaust emissions from additional road vehicle movements during removal and reinstatement (Negligible, not significant).		additional significant adverse inter-relationship effect is likely during removal and reinstatement.	
Aldhurst Farm Cottage	Construction				
Figure 1.2 – GR20	Noise and vibration during construction (Negligible or minor, not significant).	Effects on health from particulate matter generated from construction activities (Negligible , not significant).		There is low potential for combined effects on receptors at Aldhurst Farm Cottage. Combined, these effects are unlikely to lead to an increased	



Receptor Groups.	Noise and Vibration.	Air Quality.	Landscape and Visual.	Potential for combined effect.
Noise and Vibration – Receptor 1. Air Quality – Receptor LE18.		Exhaust emissions from additional road vehicle movements during construction (Negligible, not significant).		sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during construction.
Landscape and Visual -	Operation Night time and daytime noise during operation of the	Effects on health from particulate matter generated	Views of proposed lighting columns and	There is low potential for combined effects on
Representative viewpoint 5 (although viewpoint is more open - group 2).	rail extension and branch line (Negligible, not significant)	from operation (Negligible, not significant). Exhaust emissions from additional road vehicle	operational vehicles and infrastructure (Major-moderate, adverse, not significant).	receptors at Aldhurst Farm Cottage. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no
	Night time noise during operation of the east Suffolk line (Negligible, not significant) Daytime noise during operation of the east Suffolk	movements during operation (Negligible, not significant).	Visibility of proposed lighting at night (Minimal, adverse, not significant).	additional significant adverse inter-relationship effect is likely during operation.
	line (Low, not significant) Removal and Reinstatement.			
	Noise and vibration during removal and reinstatement (Negligible or minor, not significant).	Effects on health from particulate matter generated from removal and reinstatement (Negligible, not significant). Exhaust emissions from additional road vehicle movements during removal and reinstatement	Views of construction associated with removal and restoration (Major-moderate, adverse, not significant).	There is low potential for combined effects on receptors at Aldhurst Farm Cottage. Combined, these effects are unlikely to lead to an increased sense of disturbance for the receptors and so no additional significant adverse inter-relationship effect is likely during removal and reinstatement.
		(Negligible, not significant).		enect is likely during removal and reinstatement.