

EAST PARK ENERGY

East Park Energy

EN010141

Environmental Statement Volume 2 – Technical Appendices

Appendix 11-3: Construction Dust Assessment

Document Reference: EN010141/DR/6.2

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009: Regulation 5(2)(a)

EAST PARK ENERGY

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

Environmental Statement Volume 2 – Technical Appendices

Appendix 11-3: Construction Dust Assessment

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East Park Energy (ES)

Appendix 11-3 Construction Phase: Dust Assessment

undertaken with reference to Institute of Air Quality Management (IAQM) Guidance on Construction Dust, January 2024 (version 2.2) as summarised in Appendix 11-1

Table 1: Dust Magnitude: per activity

Table 1:	Dust Magnitude: per activity										
					1						
Works Package	Description	Areas		Dust Magnitude	Ť	le		la:		I -	
				Demolition Class	Reason	Earthworks Class	Reason	Construction	Reason	Trackout Class	Reason
			solar photovoltaic panal moudules fixed to ground mounted	Class	neason	Class	neason	Class	neason	Class	nedSUII
			structures, limited soil stripping regiured; mounting posts to						total site area >75,000m³ but		
	Ground mounted solar	parts of Sites A, B, C &	be driven using push-pull technique to max. of 2m bgl;				total site area >110,000m ² ,		majority of infrastructure pre-		
Works No 1	photovoltaic generating station	D		n/a	no demolition involved	large	each area >110,000m ²	medium	fabricated off-site	assessed under Works No 9	
	priotovottano gonorating ottation		construction of BESS and associated works; advance soil		The demonstration involved	10.50	220,000111	modium	total build volume 12,000-	accoccca andor troncorte c	
			stripping required; foundations of units to max. of 0.4m bgl;						75,000m ³ ; majority of		
	Battery Energy Storage System		construction to comprise containers or glass-reinfoced				total site area 18.000-		infrastructure pre-fabricated off-		
Works No 2	(BESS)	part of Site C (or D)		n/a	no demolition involved	medium	110,000m ²	medium	site	assessed under Works No 9	
	(5255)	part or onto o (or b)	construction of on-site substation and associated works;		The demonstration involved	modium	220,000111	modium		accoccca andor troncorte c	
	on-site substation (East Park		advance soil stripping required; surfacing of compacted								
Works No 3	Substation)	part of Site C (or D)	1 1 1 1 1 1	n/a	no demolition involved	small	total site area <18,000m ²	small	total build volume <12,000m ³	assessed under Works No 9	
	,	, ,	cables to be trenched in open cut trench with horizontal								
			drilling or horizontal vertical drilling at crossing points;								
		parts of Site C, D and	trench up to 1.5m wide and 2m deep; total length of 7.8km				assume work in lengths up				
	400kV cable connection to East	grid connection to East	or 6km; jointing chambers to be not more than 600m apart;				0.6km; <18,000m ² total site				
Works No 4	Socon Substation	Socon Substation	backfilling with concrete and soils	n/a	no demolition involved	small	area per 'work front'	small	total build volume <12,000m ³	assessed under Works No 9	
	works within Eaton Socon										
Works No 5	Substation	East Socon Substation	minor works within existing substation	n/a	no demolition involved	small		small		assessed under Works No 9	
			all internal cabling and ancillary infrastructure; to be								
			trenched in open cut trench with horizontal drilling or								
			horizontal vertical drilling at crossing points; trench to be up								
			to 1.5m deep and 15m wide where parallel cabling; includes								
			construction of permanent access tracks using permeable								
			compacted stone and temporary access tracks using heavy								
			duty construction matting; construction of Operations and				total site area > 110 000m ²		includes placement of compacted		
	internal cabling and ancillary	parts of Sites A, B, C &	Maintenance Area; construction of East Park BESS and	,			total site area >110,000m²,		stone and construction of Opsd		
Works No 6	infrastructure	υ	Substation Retention Basin	n/a	no demolition involved	large	each area >110,000m ²	large	area and backfilling of trenches	assessed under Works No 9	
	works for temporary		10 construction compounds, provided with heavy duty				within areas stripped in				
	construction and decommissioning compounds	parts of Sites A, B, C &	10 construction compounds, provided with heavy duty construction matting; to provide temporary areas for welfare				within areas stripped in advance: no earthworks		no construction required; welfare		
Works No 7	and laydown areas	parts of sites A, B, C &		n/a	no demolition involved	small	required	small	facilities to be temporary	assessed under Works No 9	
WOLKS IND /				II/a	III demonitron involved	Silidil		Siliatt	nacinues to be temporary	assessed under Works NO 9	
	works to create, enhance and	parts of Sites A, B, C &	retention of existing green infrastructure; creation of new	,			total site area >110,000m²,	,			
Works No 8	maintain Green Infrastructure	υ	green infrastructure including planting	n/a	no demolition involved	large	each area >110,000m²	n/a	no construction required	assessed under Works No 9	
											neek of 42 output
		norte of Site B. C. 9 D	areation and maintenance of normanent access to Cohema								peak of 43 outward bound HGV
		parts of Site B, C & D	creation and maintenance of permanent access to Scheme						limited to tarmac, concrere or		
Works No 9	works to facilitate access	and grid connection to	to include creation of access from public highway and	n/a	no demolition involved	small	locally small areas	small	compacted stne surfacing	modium	movements per day from Site D access
MOLKS NO 9	works to facilitate access	East Socon Substation	hassing shares	II/d	no demodiali involved	Siridil	locally Small areas	Siliall	compacted strie surfacing	medium	III Site D access

Table 2: Dust Magnitude: per construction phasing

Table 2:	Dust Magnitude: per construction	on phasing										
Phase	Description	Areas	Summary of Works	Works Package	Dust Magnitude							
					Demolition		Earthworks		Construction		Trackout	
					Class	Reason	Class	Reason	Class	Reason	Class	Reason
			main construction compound in Site D; main access from									
			B645 into Site D; access tracks and temporary access									
		parts of Sites A, B, C &	tracks across sites A, B, C and D; crossing points over			no demolition		total site area		mostly surface level construction		
1	Enabling Works	D		Works 7 & 9	n/a	involved	large	>110,000m ²	small	works	assessed cumulati	vely
	Construction of East Park		internal access roads; construction of substation and			no demolition		total site area				
2	Substation	part of Site C (or D)	ancillary works	Works 3	n/a	involved	small	<18,000m ²	small	total build volume <12,000m ³	assessed cumulati	vely
								assume work in				
								lengths up 0.6km;				
			temporary access road; trench excavation & Joining					<18,000m ² total site				
		parts of Site C, D, East	Chambers; laying of cables & backfilling; works in East					area per 'work front'				
	Construction of 400kV Grid	Socon Substation and	Eacon Substation; removal of temporary access road and			no demolition		but with additional		mostly surface level construction		
3	Connection	grid connection	reinstatement of land	Works 4 & 5	n/a	involved	medium	ancillary works	small	works	assessed cumulati	vely
										total build volume 12,000-		
										75,000m ³ ; majority of		
			internal access roads; foundations; trenches, cable			no demolition		total site area 18,000-		infrastructure pre-fabricated off-		
4	Construction of East Park BESS	part of Site C (or D)	installtion; installation of BESS	Works 2	n/a	involved	medium	110,000m ²	medium	site	assessed cumulati	vely
			trenches; surface water draginage; foundations; Solar PV							total site area >75,000m³ but		
			Array; cabling within Sites and to East Park Substation; soft			no demolition		total site area		majority of infrastructure pre-		
5	Construction of East Park Site A	Site A	landscaping	Works 1, 6 & 8	n/a	involved	large	>110,000m ²	medium	fabricated off-site	assessed cumulati	vely
			trenches; surface water draginage; foundations; Solar PV							total site area >75,000m³ but		
			Array; cabling within Sites and to East Park Substation; soft			no demolition		total site area		majority of infrastructure pre-		
6	Construction of East Park Site B	Site B	landscaping	Works 1, 6 & 8	n/a	involved	large	>110,000m ²	medium	fabricated off-site	assessed cumulati	vely
			trenches; surface water draginage; foundations; Solar PV							total site area >75,000m³ but		
			Array; cabling within Sites and to East Park Substation; soft			no demolition		total site area		majority of infrastructure pre-		
7	Construction of East Park Site C	Site C	landscaping	Works 1, 6 & 8	n/a	involved	large	>110,000m ²	medium	fabricated off-site	assessed cumulati	ively
			trenches; surface water draginage; foundations; Solar PV							total site area >75,000m³ but		
			Array; cabling within Sites and to East Park Substation; soft			no demolition		total site area		majority of infrastructure pre-		
8	Construction of East Park Site D	Site D	landscaping	Works 1, 6 & 8	n/a	involved	large	>110,000m ²	medium	fabricated off-site	assessed cumulati	ively
												peak of 43 outward bound HGV
												movements per working day from
										large surface area but mostly at		Site D access; peak of 38 2-way
						no demolition		total site area		surface level using pre-fabricated		movements between Site C and
Cumualtative					n/a	involved	large	>110,000m ²	medium	structures	medium	Site B

Table 3a: Area Sensitivity - From Order Limits

Table 3a: Area Sensitivity - From Order Lin						
Area	Sensitivity					
	Dust Soiling	Reason	Human Health	Reason	Ecological	Reason
				local PM10 concentrations <24 µg/m3; 1-10		
		1-10 highly sensitive receptors within 20m, 1-10 highly		highly sensitive receptors within 20m, 1-10 highly		no ecological sites within
Site A	medium	sensitive receptors within 50m	low	sensitive receptors within 50m	n/a	50m
				local PM10 concentrations <24 µg/m3; 1-10		
		1-10 highly sensitive receptors within 20m, 1-10 highly		highly sensitive receptors within 20m, 1-10 highly		1 CWS (Kangaroo Meadow)
Site B	medium	sensitive receptors within 50m	low	sensitive receptors within 50m	low	within 20m
		L		local PM10 concentrations <24 µg/m3; 0 highly		
		1-10 highly sensitive receptors within 50m; 1-10 highly		sensitive receptors within 50m; 1-10 highly		no ecological sites within
Site C	low	sensitive receptors within 100m	low	sensitive receptors within 100m	n/a	50m
				local PM10 concentrations <24 µg/m3; 0 highly		
		0 highly sensitive receptors within 50m; 1-10 highly sensitive		sensitive receptors within 50m; 1-10 highly		no ecological sites within
Site D	low	receptors within 100m	low	sensitive receptors within 100m	n/a	50m
						no ecological sites within
Main Site Access (Site D)	n/a	0 high sensitive receptors within 250m	n/a		n/a	50m
				local PM10 concentrations <24 µg/m3;1 high		
				sensitive receptor within 20m of roadside for		no ecological sites within
		1 high sensitive receptor within 20m of roadside for 250m		250m from egress; 3 within 50m for 250m from		50m of roadside up to 250m
Additional Access - Site C	medium	from egress; 3 within 50m for 250m from egress	low	egress	n/a	of egress
		0 high sensitive receptors within 50m of roadside for up to				no ecological sites within
Additional Access - Site B	n/a	250m from egress	n/a		n/a	50m
	,		,		,	no ecological sites within
Additional Access - Site B / A (short stretch on B6	n/a	0 high sensitive receptors within 50m of egress	n/a		n/a	50m
				local PM10 concentrations <24 µg/m3; 0 highly		
		0 highly sensitive receptors within 50m; 1-10 highly sensitive		sensitive receptors within 50m; 1-10 highly		no ecological sites within
Grid Connection Corridor - Site B to Site C	low	receptors within 100m	low	sensitive receptors within 100m	n/a	50m
				local PM10 concentrations <24 µg/m3; 0 highly		
		0 highly sensitive receptors within 100m; 1-10 highly		sensitive receptors within 100m; 1-10 highly		no ecological sites within
Grid Connection Corridor - Site C to Site D	low	sensitive receptors within 250m	low	sensitive receptors within 250m	n/a	50m
				local PM10 concentrations <24 µg/m3; 0 highly		
		0 highly sensitive receptors within 100m; 10-100 highly		sensitive receptors within 100m; 10-100 highly		1 CWS (Huntingtingdon
Grid Connection to East Socon Substation	low	sensitive receptors within 250m	low	sensitive receptors within 250m	low	Wood) within 50m
				local PM10 concentrations <24 µg/m3; 0 highly		
		0 highly sensitive receptors within 50m; 10-100 highly		sensitive receptors within 50m; 10-100 highly		no ecological sites within
East Socon Substation	low	sensitive receptors within 100m	low	sensitive receptors within 100m	n/a	50m
				local PM10 concentrations <24 µg/m3; 1-10		
		1-10 highly sensitive receptors within 20m, 10-100 highly		highly sensitive receptors within 20m, 10-100		
		sensitive receptors within 50m; 10-100 highly sensitive		highly sensitive receptors within 50m; 10-100		1 local designated ecological
		receptors witihn 100m; >100 highly sensitive receptors		highly sensitive receptors witihn 100m; >100		site within 20m and 2 within
Cumulative (Earthworks and Construction)	medium	within 250m	low	highly sensitive receptors within 250m	low	50m
,				local PM10 concentrations <24 µg/m3; 1 high		
				sensitive receptor within 20m of roadside for		no ecological sites within
		1 high sensitive receptor within 20m of roadside for 250m		250m from egress; 3 within 50m for 250m from		50m of roadside up to 250m
Cumulative (Trackout)	medium	from egress; 3 within 50m for 250m from egress (Site C)	low	egress (Site C)	n/a	of egress
- aa.a.ivo (IIaonous)		ob. 505, o main oom for Zoom nom egress (ofte o)		100.000 (UNC O)	u	0. 061000

Notes: local PM10 concentrations <24 µg/m³

Table 4:	Dust Assessment:	per construction phasing

Phase	Description	Areas	Summary of Works	Works Package	Earthworks			Construction			Trackout		
					Dust Soiling	Human Health	Ecological	Dust Soiling	Human Health	Ecological	Dust Soiling Hu	man Health	Ecological
			main construction compound in Site D; main access from										
			B645 into Site D; access tracks and temporary access										
		parts of Sites A, B, C &	tracks across sites A, B, C and D; crossing points over										
1	Enabling Works	D	ditches and utilities; satellite compounds in Sites A, B & C	Works 7 & 9	medium	low	low	low	negligible	negligible	assessed as a whole		
	Construction of East Park		internal access roads; construction of substantion and										
2	Substation	part of Site C (or D)	ancillary works	Works 3	negligible	negligible	n/a	negligible	negligible	n/a	assessed as a whole		
			temporary access road; trench excavation & Joining										
		parts of Site C, D, East	Chambers; laying of cables & backfilling; works in East										
	Construction of 400kV Grid	Socon Substatoin and	Eacopn Substation; removal of temporary access road and										
3	Connection	grid connection	reinstatement of land	Works 4 & 5	low	low	low	negligible	negligible	negligible	assessed as a whole		
			internal access roads; foundations; trenches, cable										
4	Construction of East Park BESS	part of Site C (or D)	installtion; installation of BESS	Works 2	low	low	n/a	negligible	low	n/a	assessed as a whole		
			trenches; surface water draginage; foundations; Solar PV										
			Array; cabling within Sites and to East Park Substation; soft										
5	Construction of East Park Site A	Site A	landscaping	Works 1, 6 & 8	medium	low	n/a	medium	low	n/a	assessed as a whole		
			trenches; surface water draginage; foundations; Solar PV										
			Array; cabling within Sites and to East Park Substation; soft										
6	Construction of East Park Site B	Site B	landscaping	Works 1, 6 & 8	medium	low	low	medium	low	low	assessed as a whole		
			trenches; surface water draginage; foundations; Solar PV										
			Array; cabling within Sites and to East Park Substation; soft										
7	Construction of East Park Site C	Site C	landscaping	Works 1, 6 & 8	low	low	n/a	low	low	n/a	assessed as a whole		
			trenches; surface water draginage; foundations; Solar PV										
			Array; cabling within Sites and to East Park Substation; soft										
8	Construction of East Park Site D	Site D	landscaping	Works 1, 6 & 8	low	low	n/a	low	low	n/a	assessed as a whole		
Cumualtative (based on all activities occurring a				medium	low	low	medium	low	low	medium low	ı	low

East Park Energy (ES)

Appendix 11-3

Construction Phase: Dust Assessment

undertaken with reference to Institute of Air Quality Management (IAQM) Guidance on Construction Dust, January 2024 (version 2.2) as summarised in Appendix 11-1

Table 3b: Area Sensitivity - From Constructions Areas

Area	Sensitivity											
	Dust Soiling	Reason	Human Health	Reason	Ecological	Reason						
				local PM10 concentrations <24 µg/m3; 0 highly sensitive								
		0 highly sensitive receptors within 20m, 1-10 highly		receptors within 20m, 1-10 highly sensitive receptors		no ecological sites within						
ite A	low	sensitive receptors within 50m	low	within 50m	n/a	50m						
				local PM10 concentrations <24 µg/m3; 1-10 highly								
		1-10 highly sensitive receptors within 20m, 1-10 highly		sensitive receptors within 20m, 1-10 highly sensitive		1 CWS (Kangaroo Meadow						
ite B	medium	sensitive receptors within 50m	low	receptors within 50m	low	within 20m						
				local PM10 concentrations <24 µg/m3; 0 highly sensitive								
		0 highly sensitive receptors within 100m; 1-10 highly		receptors within 100m; 1-10 highly sensitive receptors		no ecological sites within						
ite C	low	sensitive receptors within 250m	low	within 250m	n/a	50m						
				local PM10 concentrations <24 µg/m3; 0 highly sensitive								
		0 highly sensitive receptors within 100m; 1-10 highly		receptors within 100m; 1-10 highly sensitive receptors		no ecological sites within						
ite D	low	sensitive receptors within 250m	low	within 250m	n/a	50m						
						no ecological sites within						
fain Site Access (Site D)	n/a	0 high sensitive receptors within 250m	n/a	0 high sensitive receptors within 250m	n/a	50m						
				local PM10 concentrations <24 µg/m3;1 high sensitive		no ecological sites within						
		1 high sensitive receptor within 20m of roadside for 250m		receptor within 20m of roadside for 250m from egress; 3		50m of roadside up to 250						
dditional Access - Site C	medium	from egress; 3 within 50m for 250m from egress	low	within 50m for 250m from egress	n/a	of egress						
		0 high sensitive receptors within 50m of roadside for up to		0 high sensitive receptors within 50m of roadside for up to		no ecological sites within						
dditional Access - Site B	n/a	250m from egress	n/a	250m from egress	n/a	50m						
						no ecological sites within						
dditional Access - Site B / A (short stretch on B	n/a	0 high sensitive receptors within 50m of egress	n/a	0 high sensitive receptors within 50m of egress	n/a	50m						
				local PM10 concentrations <24 µg/m3; 0 highly sensitive								
		0 highly sensitive receptors within 100m; 1-10 highly		receptors within 100m; 1-10 highly sensitive receptors		no ecological sites within						
rid Connection Corridor - Site B to Site C	low	sensitive receptors within 250m	low	within 250m	n/a	50m						
				local PM10 concentrations <24 µg/m3; 0 highly sensitive								
		0 highly sensitive receptors within 100m; 1-10 highly		receptors within 100m; 1-10 highly sensitive receptors		no ecological sites within						
irid Connection Corridor - Site C to Site D	low	sensitive receptors within 250m	low	within 250m	n/a	50m						
				local PM10 concentrations <24 µg/m3; 0 highly sensitive								
		0 highly sensitive receptors within 100m; 1-10 highly		receptors within 100m; 1-10 highly sensitive receptors		1 CWS (Huntingtingdon						
rid Connection to East Socon Substation	low	sensitive receptors within 250m	low	within 250m	low	Wood) within 50m						
				local PM10 concentrations <24 µg/m3; 0 highly sensitive								
		0 highly sensitive receptors within 100m; 1-10 highly		receptors within 100m; 1-10 highly sensitive receptors		no ecological sites within						
ast Socon Substation	low	sensitive receptors within 250m	low	within 250m	n/a	50m						
				local PM10 concentrations <24 µg/m3; 1-10 highly								
				sensitive receptors within 20m, 1-10 highly sensitive		1 local designated ecologic						
		1-10 high sensitive receptors within 20m, 1-10 highly		receptors within 50m; >100 highly sensitive receptors		site within 20m and 2 withi						
umulative (Earthworks and Construction)	medium	sensitive receptors within 50m	low	witihn 100m	low	50m						
(local PM10 concentrations <24 µg/m3;1 high sensitive		no ecological sites within						
		1 high sensitive receptor within 20m of roadside for 250m		receptor within 20m of roadside for 250m from egress; 3		50m of roadside up to 250n						
Cumulative (Trackout)	medium	from egress; 3 within 50m for 250m from egress (Site C)	low	within 50m for 250m from egress (Site C)	n/a	of egress						

Notes: local PM10 concentrations <24 µg/m³

Table 4b:	Dust Assessment: from construction areas; per construction phasing
rable 4b:	Dust Assessment: from construction areas; per construction phasing

Phase	Description	Areas	Summary of Works	Works Package	Earthworks			Construction			Trackout		
					Dust Soiling	Human Health	Ecological	Dust Soiling	Human Health	Ecological	Dust Soiling	Human Health	Ecological
												•	
			main construction compound in Site D; main access from										
			B645 into Site D; access tracks and temporary access										
		parts of Sites A, B, C &	tracks across sites A, B, C and D; crossing points over										
1	Enabling Works	D	ditches and utilities; satellite compounds in Sites A, B & C	Works 7 & 9	medium	low	low	low	negligible	negligible	assessed as a wi	hole	
	Construction of East Park		internal access roads; construction of substantion and										
2	Substation	part of Site C (or D)	ancillary works	Works 3	negligible	negligible	n/a	negligible	negligible	n/a	assessed as a wi	hole	
			temporary access road; trench excavation & Joining										
		parts of Site C, D, East	Chambers; laying of cables & backfilling; works in East										
	Construction of 400kV Grid	Socon Substatoin and	Eacopn Substation; removal of temporary access road and										
3	Connection	grid connection	reinstatement of land	Works 4 & 5	low	low	low	negligible	negligible	negligible	assessed as a wi	hole	
			internal access roads; foundations; trenches, cable										
4	Construction of East Park BESS	part of Site C (or D)	installtion; installation of BESS	Works 2	low	low	n/a	negligible	low	n/a	assessed as a wi	hole	
			trenches; surface water draginage; foundations; Solar PV										
	Construction of East Park Site		Array; cabling within Sites and to East Park Substation; soft										
5	A	Site A	landscaping	Works 1, 6 & 8	low	low	n/a	low	low	n/a	assessed as a wi	hole	
			trenches; surface water draginage; foundations; Solar PV										
	Construction of East Park Site		Array; cabling within Sites and to East Park Substation; soft										
6	В	Site B	landscaping	Works 1, 6 & 8	medium	low	low	medium	low	low	assessed as a wi	hole	
			trenches; surface water draginage; foundations; Solar PV										
	Construction of East Park Site		Array; cabling within Sites and to East Park Substation; soft										
7	С	Site C		Works 1, 6 & 8	low	low	n/a	low	low	n/a	assessed as a wi	hole	
			trenches; surface water draginage; foundations; Solar PV										
	Construction of East Park Site		Array; cabling within Sites and to East Park Substation; soft										
8	D	Site D	landscaping	Works 1, 6 & 8		low	n/a	low	low	n/a	assessed as a wi	hole	
Cumualtativ	e (based on all activities occurring	across all areas of the S	te)		medium	low	low	medium	low	low	medium	low	low

East Park Energy (ES)
Appendix 11-3
Decommissioning Phase: Dust Assessment
undertaken with reference to Institute of Air Quality Management (IAQM) Guidance on Construction Dust, January 2024 (version 2.2) as summarised in Appendix 11-1

able 1: Dust Magnitude: per site area	ble 1:	Dust Magnitude: per site area
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hase	Description	Areas	Summary of Likely Works	Dust Magnitud	e						
				Demolition		Earthworks		Construction		Trackout	
				Class	Reason	Class	Reason	Class	Reason	Class	Reason
			provision of main construction compound in Site D; main								
			access from B645 into Site D; access tracks and temporary								
			access tracks across sites A, B, C and D; crossing points						mostly surface level construction		
		parts of Sites A, B, C &	over ditches and utilities; satellite compounds in Sites A, B						works for provision of		
	Enabling Works	D	& C	n/a	no demolition involved	large	total site area >110,000m ²	small	construction compounds	assessed cumulatively	
	Decommissioning of East Park		internal access roads; decommissing of substation and		total build volume <12,000m3; construction mateiral with						
	Substation	part of Site C (or D)	ancillary works	small	low potential for dust release;	small	total site area <18,000m ²	n/a	no construction required	assessed cumulatively	
							assume work in lengths up 0.6km;				
			1 1 1				<18,000m² total site area per				
	Decommissioning of 400kV	Socon Substation and	trenches and backfilling; removal of temporary access road				'work front' but with additional				
	Grid Connection	grid connection	and reinstatement of land	small	mostly surface level decommissioning works works	medium	ancillary works	n/a	no construction required	assessed cumulatively	
					2						
					total build volume 12,000-75,000m ³ ; but mostly surface						
	Decommissioning of East Park		internal access roads; possible removal of cables in		level decommissionng works with low potential for dust						
	BESS	part of Site C (or D)	trenches & backfilling; removal of BESS	small	release	medium	total site area 18,000-110,000m ²	n/a	no construction required	assessed cumulatively	
			removal of surface mounted Solar PV Array with posts of		total build volume 12,000-75,000m3; but mostly surface		total site area >110,000m2 but				
	Decommissioning of East Park		max of 2m bgl; removal of cabling within Sites and to East		level decommissionng works with low potential for dust		earthworks not expected to be				
	Site A	Site A	Park Substation	small	release	medium	extensive	n/a	no construction required	assessed cumulatively	
			removal of surface mounted Solar PV Array with posts of		total build volume 12,000-75,000m3; but mostly surface		total site area >110.000m² but				
	Decommissioning of East Park		max of 2m bgl; removal of cabling within Sites and to East		level decommissionng works with low potential for dust		earthworks not expected to be				
	Site B	Site B	Park Substation	small	release	medium	extensive	n/a	no construction required	assessed cumulatively	
			removal of surface mounted Solar PV Array with posts of		total build volume 12,000-75,000m3; but mostly surface		total site area >110,000m² but				
	Decommissing of East Park		max of 2m bgl; removal of cabling within Sites and to East		level decommissionng works with low potential for dust		earthworks not expected to be				
	Site C	Site C	Park Substation	small	release	medium	extensive	n/a	no construction required	assessed cumulatively	
			removal of surface mounted Solar PV Array with posts of		total build volume 12,000-75,000m3; but mostly surface		total site area >110,000m² but		i i		
	Decommissioning of East Park		max of 2m bgl; removal of cabling within Sites and to East		level decommissionng works with low potential for dust		earthworks not expected to be				
	Site D	Site D	Park Substation	small	release	medium		n/a	no construction required	assessed cumulatively	
									- Toyanou		
							total site area >110,000m² but		mostly surface level construction		
					large surface area but mostly at surface level with		earthworks not expected to be		works for provision of		HGV movements expected to be I
nualtative				small	materials with low potential for dust release	medium	extensive	small	construction compounds	small	than during construction phase

Area	Sensitivity								
	Dust Soiling	Reason	Human Health	Reason	Ecological	Reason			
				local PM10 concentrations <24 µg/m3; 0 highly sensitive					
		0 highly sensitive receptors within 20m, 1-10 highly		receptors within 20m, 1-10 highly sensitive receptors					
Site A	low	sensitive receptors within 50m	low	within 50m	n/a	no ecological sites within 50m			
				local PM10 concentrations <24 µg/m3; 1-10 highly					
		1-10 highly sensitive receptors within 20m, 1-10 highly		sensitive receptors within 20m, 1-10 highly sensitive		1 CWS (Kangaroo Meadow) withi			
Site B	medium	sensitive receptors within 50m	low	receptors within 50m	low	20m			
		·		local PM10 concentrations <24 µg/m3; 0 highly sensitive					
		0 highly sensitive receptors within 100m; 1-10 highly		receptors within 100m; 1-10 highly sensitive receptors					
Site C	low	sensitive receptors within 250m	low	within 250m	n/a	no ecological sites within 50m			
				local PM10 concentrations <24 µg/m3; 0 highly sensitive					
		0 highly sensitive receptors within 100m; 1-10 highly		receptors within 100m; 1-10 highly sensitive receptors					
Site D	low	sensitive receptors within 250m	low	within 250m	n/a	no ecological sites within 50m			
Main Site Access (Site D)	n/a	0 high sensitive receptors within 250m	n/a	0 high sensitive receptors within 250m	n/a	no ecological sites within 50m			
, ,				local PM10 concentrations <24 µg/m3;1 high sensitive		Ĭ			
		1 high sensitive receptor within 20m of roadside for 250m		receptor within 20m of roadside for 250m from egress; 3		no ecological sites within 50m of			
Additional Access - Site C	medium	from egress; 3 within 50m for 250m from egress	low	within 50m for 250m from egress	n/a	roadside up to 250m of egress			
		0 high sensitive receptors within 50m of roadside for up to		0 high sensitive receptors within 50m of roadside for up to					
Additional Access - Site B	n/a	250m from egress	n/a	250m from egress	n/a	no ecological sites within 50m			
Additional Access - Site B / A (short stretch on B66)	n/a	0 high sensitive receptors within 50m of egress	n/a	0 high sensitive receptors within 50m of egress	n/a	no ecological sites within 50m			
				local PM10 concentrations <24 µg/m3; 0 highly sensitive					
		0 highly sensitive receptors within 100m; 1-10 highly		receptors within 100m; 1-10 highly sensitive receptors					
Grid Connection Corridor - Site B to Site C	low	sensitive receptors within 250m	low	within 250m	n/a	no ecological sites within 50m			
				local PM10 concentrations <24 µg/m3; 0 highly sensitive					
		0 highly sensitive receptors within 100m; 1-10 highly		receptors within 100m; 1-10 highly sensitive receptors					
Grid Connection Corridor - Site C to Site D	low	sensitive receptors within 250m	low	within 250m	n/a	no ecological sites within 50m			
			1011	local PM10 concentrations <24 µg/m3; 0 highly sensitive	1110				
		0 highly sensitive receptors within 100m; 1-10 highly		receptors within 100m; 1-10 highly sensitive receptors		1 CWS (Huntingtingdon Wood)			
Grid Connection to East Socon Substation	low	sensitive receptors within 250m	low	within 250m	low	within 50m			
		Constant recopions main 200m	1011	local PM10 concentrations <24 µg/m3; 0 highly sensitive	1011				
		0 highly sensitive receptors within 100m; 1-10 highly		receptors within 100m; 1-10 highly sensitive receptors					
East Socon Substation	low	sensitive receptors within 250m	low	within 250m	n/a	no ecological sites within 50m			
East Secon Substitution		positiva roseptoro manin zooni		local PM10 concentrations <24 µg/m3; 1-10 highly		coological sites within soll			
				sensitive receptors within 20m, 1-10 highly sensitive					
		1-10 high sensitive receptors within 20m, 1-10 highly		receptors within 50m; >100 highly sensitive receptors		1 local designated ecological site			
Cumulative (Farthworks and Construction)	medium		low	within 100m	low	within 20m and 2 within 50m			
Cumulative (Earthworks and Construction)	meulum	sensitive receptors within 50m	low		low	within 2011 and 2 within 50m			
		1 high consisting recombining 20m of read-14, 6, 250		local PM10 concentrations <24 µg/m3;1 high sensitive		an analogical sites within 50 mg			
Communication (Translation)		1 high sensitive receptor within 20m of roadside for 250m	ļ	receptor within 20m of roadside for 250m from egress; 3	-/-	no ecological sites within 50m of			
Cumulative (Trackout)	medium	from egress; 3 within 50m for 250m from egress (Site C)	low	within 50m for 250m from egress (Site C)	n/a	roadside up to 250m of egress			

Notes: local PM10 concentrations <24 µg/m³



Phase	Description	Areas	Summary of Works	Works Package Demolition			Earthworks			Construction			Trackout	
	Description /	nicus			Dust Soiling	Human Health	Ecological	Dust Soiling	Human Health	Ecological		Human Health	Ecological	Dust Soilir Human He Ecological
					Dust Soluing	Tiuman neatti	Leotogicat	Dust Joining	Human Heatth	Leotogical	Dust Solding	Tiuman rieattii	LCOtogicat	Dust Soldi Hullan He Ecological
			main construction compound in Site D; main access from											
			B645 into Site D; access tracks and temporary access											
		parts of Sites A, B, C &	tracks across sites A, B, C and D; crossing points over											
1	Enabling Works	D	ditches and utilities; satellite compounds in Sites A, B & C	Works 7 & 9	n/a	n/a	n/a	medium	low	low	low	negligible	negligible	assessed as a whole
	Construction of East Park		internal access roads; construction of substantion and											
2	Substation	part of Site C (or D)	ancillary works	Works 3	low	negligible	n/a	low	negligible	n/a	n/a	n/a	n/a	assessed as a whole
			temporary access road; trench excavation & Joining											
		parts of Site C, D, East	Chambers; laying of cables & backfilling; works in East											
	Construction of 400kV Grid	Socon Substatoin and	Eacopn Substation; removal of temporary access road and											
3	Connection	grid connection	reinstatement of land	Works 4 & 5	negligible	negligible	negligible	low	low	low	n/a	n/a	n/a	assessed as a whole
			internal access roads; foundations; trenches, cable											
4	Construction of East Park BE	SS part of Site C (or D)	installtion; installation of BESS	Works 2	negligible	negligible	n/a	low	low	n/a	n/a	n/a	n/a	assessed as a whole
			trenches; surface water draginage; foundations; Solar PV											
	Construction of East Park Site	e	Array; cabling within Sites and to East Park Substation; soft											
5	A	Site A	landscaping	Works 1, 6 & 8	negligible	negligible	n/a	low	low	n/a	n/a	n/a	n/a	assessed as a whole
			trenches; surface water draginage; foundations; Solar PV											
	Construction of East Park Site	e	Array; cabling within Sites and to East Park Substation; soft											
6	В	Site B	landscaping	Works 1, 6 & 8	low	negligible	negligible	medium	low	low	n/a	n/a	n/a	assessed as a whole
			trenches; surface water draginage; foundations; Solar PV											
	Construction of East Park Site	e	Array; cabling within Sites and to East Park Substation; soft											
7	С	Site C	landscaping	Works 1, 6 & 8	negligible	negligible	n/a	low	low	n/a	n/a	n/a	n/a	assessed as a whole
			trenches; surface water draginage; foundations; Solar PV											
	Construction of East Park Site	e	Array; cabling within Sites and to East Park Substation; soft											
8	D	Site D	landscaping	Works 1, 6 & 8	negligible	negligible	n/a	low	low	n/a	n/a	n/a	n/a	assessed as a whole
Cumualtative (ha	ased on all activities occurring a	cross all areas of the Site)			low	negligible	negligible	medium	low	low	low	negligible	negligible	low low low