

Craig Milligan
East Hampshire District Council
Penns Place
Petersfield
Hampshire
GU31 4EX

Date: 19th February 2026
Reference: R11014-7 Rev 0

Dear Craig

RE: BEDHAMPTON PHASE 2 – CONDITION 4 TECHNICAL NOTE

Further to comments received from East Hampshire District Council in February 2026, please see a summary below of our responses relating to Noise, Vibration and Dust Assessment R11014-5 Rev 1.

1.0 ENVIRONMENTAL HEALTH COMMENTS

- 1.1 Comments received in relation to the assessment are outlined below, followed by 24 Acoustics' response:

Calculations

"The 24 Acoustics BEDHAMPTON PHASE 2 NOISE, VIBRATION AND DUST ASSESSMENT Technical Report: R11014-5 Rev 1 (dated 23rd December 2025) has been reviewed.

Table 4 presents predicted noise levels at the nearest receptors; however, the calculations referenced in the preceding paragraphs have not been included. It is therefore not possible to independently verify the reliability of the predicted values."

- 1.2 Example calculations are provided in Appendix A.

Barriers

"The report includes that BPM shall be implemented to minimise noise from construction activities and the mitigation measures proposed in section 4.4 are comprehensive; however, it is noted that Heras fencing is proposed at all boundaries, including boundaries facing dwellings.

Despite the expectation that average noise levels shall not exceed a 10-hour average of 70dB, it is anticipated that there shall be significant periods where construction noise is distinctive from ambient and highly perceptible at receptors due to intermittent and impulsive noise sources and significant incident noise.

Given the close proximity of dwellings to the site (<20m), it is expected that timber hoarding be installed at boundaries facing dwellings. The hoarding should be imperforate (with all gaps and edges sealed) and be 10kg/m² minimum mass."

- 1.3 Existing 1.8m high timber boundary fences are in place between the site and the nearest residential properties, as installed during Phase 1 of the development (See Appendix B).
- 1.4 Additional calculations are provided in Appendix C, which show predicted noise levels at ground floor habitable rooms and include mitigation provided by the existing barrier fences.

HGV Source Data

"It is noted that HGV source noise used in the assessment has been obtained from 24 Acoustics archive data, however source noise for lorries on construction sites is provided in BS5228-1. The use of the archive data introduces inconsistency to the assessment methodology."

- 1.5 The use of real-world measurement data provides a robust assessment and minimises uncertainty inherent in stock data repositories (i.e. real-world measurement conditions are known in detail and are representative of the expected HGV movement types for the site).
- 1.6 However, additional calculations utilising BS5228 noise data (Table C.4) for relevant HGV types (lorry with lifting boom/large lorry concrete mixer) are shown in Appendix D and are undertaken to ground and first floor levels of the relevant receptor locations. Resultant noise levels are at least 12 dBA below the existing ambient noise levels in the area and are acceptable.

I trust the above is in order. Please call if you have any questions.

Yours Sincerely,
For 24 Acoustics Ltd

Kiel Edwards BSc MIOA
Senior Consultant

APPENDIX A: CALCULATION RESULTS

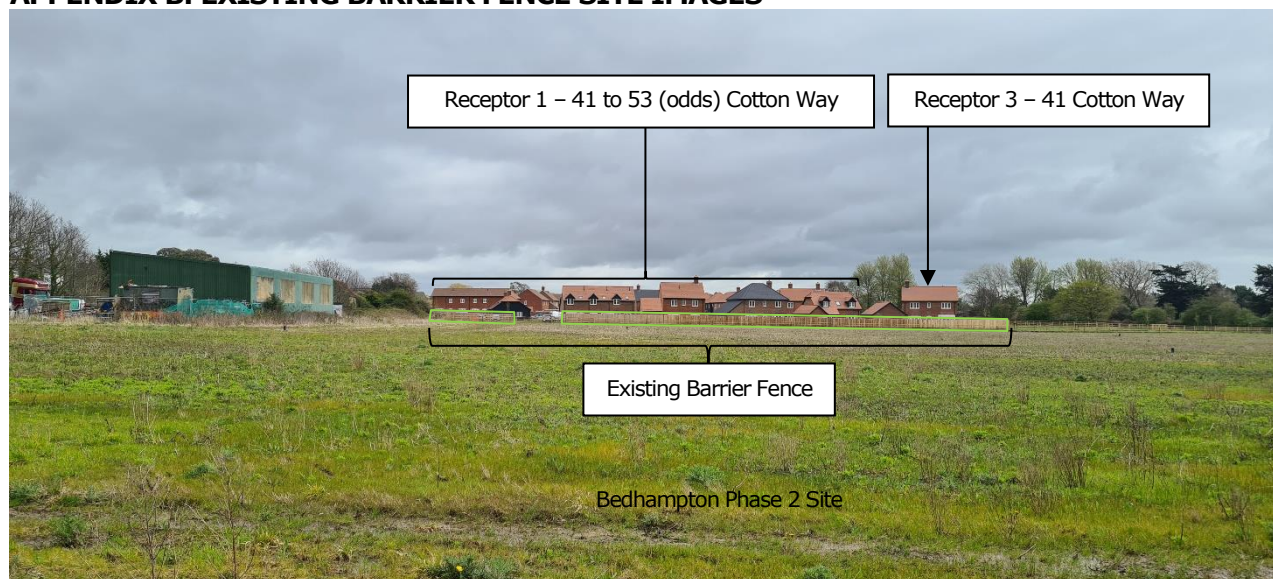
Receptor 1: 41 to 53 (odds) Cotton Way		Construction Noise Calculation Sheet								
Plant Details		distance	% soft	Adjustments, dB(A)			Resultant	Activity duration		Activity
Type	PWL	, m	ground	distance	screening	reflection	LAeq, 1hour	%	Correct. dB	LAeq
Wheeled Loader	104	90	0	47	0	0	57	50	-3	54
Dump Truck	102	90	0	47	0	0	55	50	-3	52
mobile crane/telehandler	106	90	0	47	0	0	59	25	-6	53
Concrete pump	106	90	0	47	0	0	59	25	-6	53
Hand-held cordless nail gun	101	90	0	47	0	0	54	50	-3	51
Hand Held circular saw	112	90	0	47	0	0	65	50	-3	62
									Max	62
									Sum	64

Receptor 2: Properties on Lower Road		Construction Noise Calculation Sheet								
Plant Details		distance	% soft	Adjustments, dB(A)			Resultant	Activity duration		Activity
Type	PWL	, m	ground	distance	screening	reflection	LAeq, 1hour	%	Correct. dB	LAeq
Wheeled Loader	104	160	0	52	0	0	52	50	-3	49
Dump Truck	102	160	0	52	0	0	50	50	-3	47
mobile crane/telehandler	106	160	0	52	0	0	54	25	-6	48
Concrete pump	106	160	0	52	0	0	54	25	-6	48
Hand-held cordless nail gun	101	160	0	52	0	0	49	50	-3	46
Hand Held circular saw	112	160	0	52	0	0	60	50	-3	57
									Max	57
									Sum	59

Receptor 3: 1 to 7 Cotton Way					
Daytime Peak - 1 hour					
Haul Road	Hourly HGV movements				
	Source SPL	68.0	dB LAeq	@ 5.0	m
	Duration	10	seconds		
	Number of movements	1			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	42.4			
	# of Vehicles Correction	42.4			
	Distance Correction	-7.6		@ 12.0	m
	Barrier	0			
	Resultant	35	dB LAeq 1 Hour	Daytime	
Daytime Peak - 1 hour					
Haul Road	Hourly Car/Van/LGV Movements				
	Source SPL	58.0	dB LAeq	@ 4.0	m
	Duration	10	seconds		
	Number of movements	40			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	32.4			
	# of Vehicles Correction	48.5			
	Distance Correction	-9.5		@ 12.0	m
	Barrier	0			
	Resultant	39	dB LAeq 1 Hour	Daytime	
Daytime Peak - 1 hour					
Site Compound	Hourly HGV Movements				
	Source SPL	68.0	dB LAeq	@ 5.0	m
	Duration	10	seconds		
	Number of movements	1			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	42.4			
	# of Vehicles Correction	42.4			
	Distance Correction	-34.0		@ 250.0	m
	Barrier	0			
	Resultant	8	dB LAeq 1 Hour	Daytime	
Daytime Peak - 1 hour					
Site Compound	Hourly Car/Van/LGV Movements				
	Source SPL	58.0	dB LAeq	@ 4.0	m
	Duration	10	seconds		
	Number of movements	40			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	32.4			
	# of Vehicles Correction	48.5			
	Distance Correction	-35.9		@ 250.0	m
	Barrier	0			
	Resultant	13	dB LAeq 1 Hour	Daytime	
	Sum	40			

Receptor 4: 41 Cotton Way					
Daytime Peak - 1 hour					
Haul Road	Hourly HGV Movements				
	Source SPL	68.0	dB LAeq	@ 5.0	m
	Duration	10	seconds		
	Number of movements	1			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	42.4			
	# of Vehicles Correction	42.4			
	Distance Correction	-20.8		@ 55.0	m
	Barrier	0			
	Resultant	22	dB LAeq 1 Hour	Daytime	
Daytime Peak - 1 hour					
Haul Road	Hourly Car/Van/LGV Movements				
	Source SPL	58.0	dB LAeq	@ 4.0	m
	Duration	10	seconds		
	Number of movements	40			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	32.4			
	# of Vehicles Correction	48.5			
	Distance Correction	-22.8		@ 55.0	m
	Barrier	0			
	Resultant	26	dB LAeq 1 Hour	Daytime	
Daytime Peak - 1 hour					
Site Compound	Hourly HGV Movements				
	Source SPL	68.0	dB LAeq	@ 5.0	m
	Duration	10	seconds		
	Number of movements	1			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	42.4			
	# of Vehicles Correction	42.4			
	Distance Correction	-22.3		@ 65.0	m
	Barrier	0			
	Resultant	20	dB LAeq 1 Hour	Daytime	
Daytime Peak - 1 hour					
Site Compound	Hourly Car/Van/LGV Movements				
	Source SPL	58.0	dB LAeq	@ 4.0	m
	Duration	10	seconds		
	Number of movements	40			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	32.4			
	# of Vehicles Correction	48.5			
	Distance Correction	-24.2		@ 65.0	m
	Barrier	0			
	Resultant	24	dB LAeq 1 Hour	Daytime	
	Sum	30			

APPENDIX B: EXISTING BARRIER FENCE SITE IMAGES



APPENDIX C: CALCULATION RESULTS TO GROUND FLOOR HABITABLE ROOMS

Receptor 1: 41 to 53 (odds) Cotton Way (Ground Floor)										
Construction Noise Calculation Sheet										
Plant Details		distance	% soft	Adjustments, dB(A)			Resultant	Activity duration		Activity
Type	PWL	, m	ground	distance	screening	reflection	LAeq, 1hour	%	Correct. dB	LAeq
Wheeled Loader	104	90	0	47	10	0	47	50	-3	44
Dump Truck	102	90	0	47	10	0	45	50	-3	42
mobile crane/telehandler	106	90	0	47	10	0	49	25	-6	43
Concrete pump	106	90	0	47	10	0	49	25	-6	43
Hand-held cordless nail gun	101	90	0	47	10	0	44	50	-3	41
Hand Held circular saw	112	90	0	47	10	0	55	50	-3	52
									Max	52
									Sum	54

Receptor 2: Properties on Lower Road (Ground Floor)										
Construction Noise Calculation Sheet										
Plant Details		distance	% soft	Adjustments, dB(A)			Resultant	Activity duration		Activity
Type	PWL	, m	ground	distance	screening	reflection	LAeq, 1hour	%	Correct. dB	LAeq
Wheeled Loader	104	160	0	52	10	0	42	50	-3	39
Dump Truck	102	160	0	52	10	0	40	50	-3	37
mobile crane/telehandler	106	160	0	52	10	0	44	25	-6	38
Concrete pump	106	160	0	52	10	0	44	25	-6	38
Hand-held cordless nail gun	101	160	0	52	10	0	39	50	-3	36
Hand Held circular saw	112	160	0	52	10	0	50	50	-3	47
									Max	47
									Sum	49

Receptor 3: 1 to 7 Cotton Way					
Daytime Peak - 1 hour					
Haul Road	Hourly HGV movements				
	Source SPL	68.0	dB LAeq	@ 5.0	m
	Duration	10	seconds		
	Number of movements	1			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	42.4			
	# of Vehicles Correction	42.4			
	Distance Correction	-7.6		@ 12.0	m
	Barrier	-10			
	Resultant	25	dB LAeq 1 Hour	Daytime	
Daytime Peak - 1 hour					
Haul Road	Hourly Car/Van/LGV Movements				
	Source SPL	58.0	dB LAeq	@ 4.0	m
	Duration	10	seconds		
	Number of movements	40			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	32.4			
	# of Vehicles Correction	48.5			
	Distance Correction	-9.5		@ 12.0	m
	Barrier	-10			
	Resultant	29	dB LAeq 1 Hour	Daytime	
Daytime Peak - 1 hour					
Site Compound	Hourly HGV Movements				
	Source SPL	68.0	dB LAeq	@ 5.0	m
	Duration	10	seconds		
	Number of movements	1			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	42.4			
	# of Vehicles Correction	42.4			
	Distance Correction	-34.0		@ 250.0	m
	Barrier	-10			
	Resultant	-2	dB LAeq 1 Hour	Daytime	
Daytime Peak - 1 hour					
Site Compound	Hourly Car/Van/LGV Movements				
	Source SPL	58.0	dB LAeq	@ 4.0	m
	Duration	10	seconds		
	Number of movements	40			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	32.4			
	# of Vehicles Correction	48.5			
	Distance Correction	-35.9		@ 250.0	m
	Barrier	-10			
	Resultant	3	dB LAeq 1 Hour	Daytime	
	Sum	30			

Receptor 4: 41 Cotton Way					
Daytime Peak - 1 hour					
Haul Road	Hourly HGV Movements				
	Source SPL	68.0	dB LAeq	@ 5.0	m
	Duration	10	seconds		
	Number of movements	1			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	42.4			
	# of Vehicles Correction	42.4			
	Distance Correction	-20.8		@ 55.0	m
	Barrier	-10			
	Resultant	12	dB LAeq 1 Hour	Daytime	
Daytime Peak - 1 hour					
Haul Road	Hourly Car/Van/LGV Movements				
	Source SPL	58.0	dB LAeq	@ 4.0	m
	Duration	10	seconds		
	Number of movements	40			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	32.4			
	# of Vehicles Correction	48.5			
	Distance Correction	-22.8		@ 55.0	m
	Barrier	-10			
	Resultant	16	dB LAeq 1 Hour	Daytime	
Daytime Peak - 1 hour					
Site Compound	Hourly HGV Movements				
	Source SPL	68.0	dB LAeq	@ 5.0	m
	Duration	10	seconds		
	Number of movements	1			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	42.4			
	# of Vehicles Correction	42.4			
	Distance Correction	-22.3		@ 65.0	m
	Barrier	-10			
	Resultant	10	dB LAeq 1 Hour	Daytime	
Daytime Peak - 1 hour					
Site Compound	Hourly Car/Van/LGV Movements				
	Source SPL	58.0	dB LAeq	@ 4.0	m
	Duration	10	seconds		
	Number of movements	40			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	32.4			
	# of Vehicles Correction	48.5			
	Distance Correction	-24.2		@ 65.0	m
	Barrier	-10			
	Resultant	14	dB LAeq 1 Hour	Daytime	
Sum					
		20			

APPENDIX D: BS 5228 HGV SOURCE NOISE DATA CALCULATIONS

Receptor 3: 1 to 7 Cotton Way (Ground Floor)					
Daytime Peak - 1 hour					
Haul Road	Hourly HGV movements				
	Source SPL	77.0	dB LAeq	@ 10.0	m
	Duration	10	seconds		
	Number of movements	1			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	51.4			
	# of Vehicles Correction	51.4			
	Distance Correction	-1.6		@ 12.0	m
	Barrier	-10			
	Resultant	40	dB LAeq 1 Hour	Daytime	
Daytime Peak - 1 hour					
Haul Road	Hourly Car/Van/LGV Movements				
	Source SPL	58.0	dB LAeq	@ 4.0	m
	Duration	10	seconds		
	Number of movements	40			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	32.4			
	# of Vehicles Correction	48.5			
	Distance Correction	-9.5		@ 12.0	m
	Barrier	-10			
	Resultant	29	dB LAeq 1 Hour	Daytime	
Daytime Peak - 1 hour					
Site Compound	Hourly HGV Movements				
	Source SPL	77.0	dB LAeq	@ 10.0	m
	Duration	10	seconds		
	Number of movements	1			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	51.4			
	# of Vehicles Correction	51.4			
	Distance Correction	-28.0		@ 250.0	m
	Barrier	-10			
	Resultant	13	dB LAeq 1 Hour	Daytime	
Daytime Peak - 1 hour					
Site Compound	Hourly Car/Van/LGV Movements				
	Source SPL	58.0	dB LAeq	@ 4.0	m
	Duration	10	seconds		
	Number of movements	40			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	32.4			
	# of Vehicles Correction	48.5			
	Distance Correction	-35.9		@ 250.0	m
	Barrier	-10			
	Resultant	3	dB LAeq 1 Hour	Daytime	
	Sum	40			

Receptor 4: 41 Cotton Way (Ground Floor)					
Daytime Peak - 1 hour					
Haul Road	Hourly HGV Movements				
	Source SPL	77.0	dB LAeq	@ 10.0	m
	Duration	10	seconds		
	Number of movements	1			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	51.4			
	# of Vehicles Correction	51.4			
	Distance Correction	-14.8		@ 55.0	m
	Barrier	-10			
	Resultant	27	dB LAeq 1 Hour	Daytime	
Daytime Peak - 1 hour					
Haul Road	Hourly Car/Van/LGV Movements				
	Source SPL	58.0	dB LAeq	@ 4.0	m
	Duration	10	seconds		
	Number of movements	40			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	32.4			
	# of Vehicles Correction	48.5			
	Distance Correction	-22.8		@ 55.0	m
	Barrier	-10			
	Resultant	16	dB LAeq 1 Hour	Daytime	
Daytime Peak - 1 hour					
Site Compound	Hourly HGV Movements				
	Source SPL	77.0	dB LAeq	@ 10.0	m
	Duration	10	seconds		
	Number of movements	1			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	51.4			
	# of Vehicles Correction	51.4			
	Distance Correction	-16.3		@ 65.0	m
	Barrier	-10			
	Resultant	25	dB LAeq 1 Hour	Daytime	
Daytime Peak - 1 hour					
Site Compound	Hourly Car/Van/LGV Movements				
	Source SPL	58.0	dB LAeq	@ 4.0	m
	Duration	10	seconds		
	Number of movements	40			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	32.4			
	# of Vehicles Correction	48.5			
	Distance Correction	-24.2		@ 65.0	m
	Barrier	-10			
	Resultant	14	dB LAeq 1 Hour	Daytime	
Sum					
		29			

Receptor 3: 1 to 7 Cotton Way (First Floor)						
Daytime Peak - 1 hour						
Haul Road	Hourly HGV movements					
	Source SPL	77.0	dB LAeq	@ 10.0	m	
	Duration	10	seconds			
	Number of movements	1				
	Reference Period	3600	seconds			
	Time Correction (1 hour)	51.4				
	# of Vehicles Correction	51.4				
	Distance Correction	-1.6		@ 12.0	m	
	Barrier	0				
	Resultant	50	dB LAeq 1 Hour	Daytime		
Daytime Peak - 1 hour						
Haul Road	Hourly Car/Van/LGV Movements					
	Source SPL	58.0	dB LAeq	@ 4.0	m	
	Duration	10	seconds			
	Number of movements	40				
	Reference Period	3600	seconds			
	Time Correction (1 hour)	32.4				
	# of Vehicles Correction	48.5				
	Distance Correction	-9.5		@ 12.0	m	
	Barrier	0				
	Resultant	39	dB LAeq 1 Hour	Daytime		
Daytime Peak - 1 hour						
Site Compound	Hourly HGV Movements					
	Source SPL	77.0	dB LAeq	@ 10.0	m	
	Duration	10	seconds			
	Number of movements	1				
	Reference Period	3600	seconds			
	Time Correction (1 hour)	51.4				
	# of Vehicles Correction	51.4				
	Distance Correction	-28.0		@ 250.0	m	
	Barrier	0				
	Resultant	23	dB LAeq 1 Hour	Daytime		
Daytime Peak - 1 hour						
Site Compound	Hourly Car/Van/LGV Movements					
	Source SPL	58.0	dB LAeq	@ 4.0	m	
	Duration	10	seconds			
	Number of movements	40				
	Reference Period	3600	seconds			
	Time Correction (1 hour)	32.4				
	# of Vehicles Correction	48.5				
	Distance Correction	-35.9		@ 250.0	m	
	Barrier	0				
	Resultant	13	dB LAeq 1 Hour	Daytime		
	Sum	50				

Receptor 4: 41 Cotton Way (First Floor)					
Daytime Peak - 1 hour					
Haul Road	Hourly HGV Movements				
	Source SPL	77.0	dB LAeq	@ 10.0	m
	Duration	10	seconds		
	Number of movements	1			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	51.4			
	# of Vehicles Correction	51.4			
	Distance Correction	-14.8		@ 55.0	m
	Barrier	0			
	Resultant	37	dB LAeq 1 Hour	Daytime	
Daytime Peak - 1 hour					
Haul Road	Hourly Car/Van/LGV Movements				
	Source SPL	58.0	dB LAeq	@ 4.0	m
	Duration	10	seconds		
	Number of movements	40			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	32.4			
	# of Vehicles Correction	48.5			
	Distance Correction	-22.8		@ 55.0	m
	Barrier	0			
	Resultant	26	dB LAeq 1 Hour	Daytime	
Daytime Peak - 1 hour					
Site Compound	Hourly HGV Movements				
	Source SPL	77.0	dB LAeq	@ 10.0	m
	Duration	10	seconds		
	Number of movements	1			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	51.4			
	# of Vehicles Correction	51.4			
	Distance Correction	-16.3		@ 65.0	m
	Barrier	0			
	Resultant	35	dB LAeq 1 Hour	Daytime	
Daytime Peak - 1 hour					
Site Compound	Hourly Car/Van/LGV Movements				
	Source SPL	58.0	dB LAeq	@ 4.0	m
	Duration	10	seconds		
	Number of movements	40			
	Reference Period	3600	seconds		
	Time Correction (1 hour)	32.4			
	# of Vehicles Correction	48.5			
	Distance Correction	-24.2		@ 65.0	m
	Barrier	0			
	Resultant	24	dB LAeq 1 Hour	Daytime	
Sum					
		39			