

Appendix 10.1

Noise and Vibration Results

APPENDIX 10.1

10.1 Baseline Noise Monitoring Location Images

Plate 1 Unattended Noise Meter at Location N1



Plate 2 Attended Noise Survey at Location N2



Plate 3 Attended Noise Survey at Location N3



Plate 4 Attended Noise Survey at Location N4



10.2 Unattended Monitoring Results from Location N1

Start date	Start time	Measured Noise Levels (dB re. 2x10 ⁻⁵ Pa)			
		L _{Aeq}	L _{AFmax}	L _{AF10}	L _{AF90}
15/11/2018	10:34:49	60	84	58	48
15/11/2018	10:49:49	51	64	54	47
15/11/2018	11:04:49	52	63	55	49
15/11/2018	11:19:49	51	64	53	48
15/11/2018	11:34:49	51	63	53	48
15/11/2018	11:49:49	51	66	54	48
15/11/2018	12:04:49	52	75	54	48
15/11/2018	12:19:49	51	66	54	47
15/11/2018	12:34:49	50	62	52	46
15/11/2018	12:49:49	47	62	50	44
15/11/2018	13:04:49	45	59	48	42
15/11/2018	13:19:49	46	61	49	40
15/11/2018	13:34:49	47	60	49	42
15/11/2018	13:49:49	48	61	51	43
15/11/2018	14:04:49	49	66	52	45
15/11/2018	14:19:49	49	63	51	44
15/11/2018	14:34:49	49	65	52	45
15/11/2018	14:49:49	49	66	52	45
15/11/2018	15:04:49	48	63	51	44
15/11/2018	15:19:49	49	67	51	43
15/11/2018	15:34:49	50	70	53	46
15/11/2018	15:49:49	48	61	51	45
15/11/2018	16:04:49	49	73	49	44
15/11/2018	16:19:49	47	59	49	43
15/11/2018	16:34:49	47	65	49	42
15/11/2018	16:49:49	45	61	48	43
15/11/2018	17:04:49	45	59	47	43
15/11/2018	17:19:49	45	54	47	43
15/11/2018	17:34:49	46	63	48	42
15/11/2018	17:49:49	45	54	47	42
15/11/2018	18:04:49	43	55	45	40
15/11/2018	18:19:49	41	49	44	38
15/11/2018	18:34:49	42	51	44	40
15/11/2018	18:49:49	42	55	45	38
15/11/2018	19:04:49	43	62	46	39
15/11/2018	19:19:49	46	64	47	39
15/11/2018	19:34:49	42	50	45	38
15/11/2018	19:49:49	44	56	48	38
15/11/2018	20:04:49	43	57	46	37
15/11/2018	20:19:49	42	56	45	37

Appendix 10.1

Start date	Start time	Measured Noise Levels (dB re. 2x10 ⁻⁵ Pa)			
		L _{Aeq}	L _{AFmax}	L _{AF10}	L _{AF90}
15/11/2018	20:34:49	40	53	44	35
15/11/2018	20:49:49	42	56	45	36
15/11/2018	21:04:49	40	56	41	36
15/11/2018	21:19:49	39	50	41	33
15/11/2018	21:34:49	36	49	36	32
15/11/2018	21:49:49	37	54	39	31
15/11/2018	22:04:49	40	54	43	32
15/11/2018	22:19:49	36	49	37	33
15/11/2018	22:34:49	35	42	36	33
15/11/2018	22:49:49	36	47	37	34
15/11/2018	23:04:49	37	47	38	35
15/11/2018	23:19:49	37	47	39	32
15/11/2018	23:34:49	36	47	37	33
15/11/2018	23:49:49	36	40	37	34
16/11/2018	00:04:49	35	41	37	33
16/11/2018	00:19:49	35	44	36	33
16/11/2018	00:34:49	36	49	36	33
16/11/2018	00:49:49	36	41	37	35
16/11/2018	01:04:49	38	56	37	35
16/11/2018	01:19:49	37	47	38	36
16/11/2018	01:34:49	36	39	37	35
16/11/2018	01:49:49	36	47	37	35
16/11/2018	02:04:49	36	47	37	35
16/11/2018	02:19:49	38	46	39	36
16/11/2018	02:34:49	37	48	38	35
16/11/2018	02:49:49	36	41	37	34
16/11/2018	03:04:49	37	50	37	34
16/11/2018	03:19:49	36	46	36	34
16/11/2018	03:34:49	36	40	37	35
16/11/2018	03:49:49	38	47	40	36
16/11/2018	04:04:49	41	46	42	39
16/11/2018	04:19:49	42	46	43	41
16/11/2018	04:34:49	44	48	45	43
16/11/2018	04:49:49	44	53	45	43
16/11/2018	05:04:49	44	52	45	42
16/11/2018	05:19:49	45	53	46	43
16/11/2018	05:34:49	43	49	45	42
16/11/2018	05:49:49	42	48	44	40
16/11/2018	06:04:49	45	57	46	43
16/11/2018	06:19:49	45	53	46	44
16/11/2018	06:34:49	46	53	47	44
16/11/2018	06:49:49	47	59	48	45
16/11/2018	07:04:49	47	57	48	45

Appendix 10.1

Start date	Start time	Measured Noise Levels (dB re. 2x10 ⁻⁵ Pa)			
		L _{Aeq}	L _{AFmax}	L _{AF10}	L _{AF90}
16/11/2018	07:19:49	48	63	50	45
16/11/2018	07:34:49	49	62	50	45
16/11/2018	07:49:49	46	55	48	44
16/11/2018	08:04:49	48	58	49	45
16/11/2018	08:19:49	51	67	53	48
16/11/2018	08:34:49	50	67	53	47
16/11/2018	08:49:49	50	65	52	47
16/11/2018	09:04:49	50	64	52	47
16/11/2018	09:19:49	50	69	52	47
16/11/2018	09:34:49	49	65	51	46
16/11/2018	09:49:49	47	67	48	45
16/11/2018	10:04:49	46	61	47	45
16/11/2018	10:19:49	47	58	49	45
16/11/2018	10:34:49	50	62	53	46
16/11/2018	10:49:49	49	61	51	47
16/11/2018	11:04:49	51	61	53	48
16/11/2018	11:19:49	50	64	53	47
16/11/2018	11:34:49	50	61	52	47
16/11/2018	11:49:49	51	62	53	48
16/11/2018	12:04:49	50	73	52	47
16/11/2018	12:19:49	50	62	52	47
16/11/2018	12:34:49	50	60	52	47
16/11/2018	12:49:49	48	63	50	47
16/11/2018	13:04:49	48	61	50	46
16/11/2018	13:19:49	49	61	51	47
16/11/2018	13:34:49	51	61	53	48
16/11/2018	13:49:49	50	63	51	47
16/11/2018	14:04:49	49	64	51	46
16/11/2018	14:19:49	50	60	52	47
16/11/2018	14:34:49	50	63	52	46
16/11/2018	14:49:49	48	58	50	46
16/11/2018	15:04:49	48	60	50	46
16/11/2018	15:19:49	48	60	50	47
16/11/2018	15:34:49	48	59	50	46
16/11/2018	15:49:49	48	58	50	47
16/11/2018	16:04:49	49	59	50	47
16/11/2018	16:19:49	49	60	51	46
16/11/2018	16:34:49	49	58	50	47
16/11/2018	16:49:49	50	60	51	48
16/11/2018	17:04:49	49	59	50	47
16/11/2018	17:19:49	49	59	51	48
16/11/2018	17:34:49	50	73	51	48
16/11/2018	17:49:49	48	61	50	47

Appendix 10.1

Start date	Start time	Measured Noise Levels (dB re. 2x10 ⁻⁵ Pa)			
		L _{Aeq}	L _{AFmax}	L _{AF10}	L _{AF90}
16/11/2018	18:04:49	49	58	50	47
16/11/2018	18:19:49	49	56	50	47
16/11/2018	18:34:49	49	56	50	47
16/11/2018	18:49:49	49	60	50	47
16/11/2018	19:04:49	48	58	49	46
16/11/2018	19:19:49	49	59	50	47
16/11/2018	19:34:49	49	60	50	48
16/11/2018	19:49:49	49	61	51	48
16/11/2018	20:04:49	48	60	49	46
16/11/2018	20:19:49	48	59	49	46
16/11/2018	20:34:49	46	55	48	45
16/11/2018	20:49:49	49	65	49	46
16/11/2018	21:04:49	48	59	50	47
16/11/2018	21:19:49	48	58	49	46
16/11/2018	21:34:49	48	55	49	46
16/11/2018	21:49:49	46	56	47	45
16/11/2018	22:04:49	46	55	48	45
16/11/2018	22:19:49	46	58	47	45
16/11/2018	22:34:49	48	63	49	47
16/11/2018	22:49:49	49	60	50	47
16/11/2018	23:04:49	48	56	49	47
16/11/2018	23:19:49	49	60	50	47
16/11/2018	23:34:49	48	59	50	47
16/11/2018	23:49:49	48	60	50	46
17/11/2018	00:04:49	48	56	49	46
17/11/2018	00:19:49	48	63	50	46
17/11/2018	00:34:49	47	60	48	46
17/11/2018	00:49:49	46	56	48	45
17/11/2018	01:04:49	46	57	47	45
17/11/2018	01:19:49	47	52	48	45
17/11/2018	01:34:49	47	57	48	45
17/11/2018	01:49:49	46	53	47	44
17/11/2018	02:04:49	46	51	47	44
17/11/2018	02:19:49	45	50	47	43
17/11/2018	02:34:49	46	51	48	45
17/11/2018	02:49:49	46	53	48	45
17/11/2018	03:04:49	47	53	48	46
17/11/2018	03:19:49	47	53	48	46
17/11/2018	03:34:49	46	52	47	44
17/11/2018	03:49:49	46	51	47	44
17/11/2018	04:04:49	46	52	48	44
17/11/2018	04:19:49	46	54	48	44
17/11/2018	04:34:49	46	53	47	44

Appendix 10.1

Start date	Start time	Measured Noise Levels (dB re. 2x10 ⁻⁵ Pa)			
		L _{Aeq}	L _A F _{max}	L _A F ₁₀	L _A F ₉₀
17/11/2018	04:49:49	46	55	47	44
17/11/2018	05:04:49	47	54	48	45
17/11/2018	05:19:49	48	57	49	46
17/11/2018	05:34:49	47	56	49	46
17/11/2018	05:49:49	47	61	48	45
17/11/2018	06:04:49	45	58	47	44
17/11/2018	06:19:49	47	56	48	45
17/11/2018	06:34:49	48	57	49	47
17/11/2018	06:49:49	47	55	49	46
17/11/2018	07:04:49	49	60	50	47
17/11/2018	07:19:49	48	67	49	46
17/11/2018	07:34:49	48	61	49	46
17/11/2018	07:49:49	48	59	50	47
17/11/2018	08:04:49	48	57	49	46
17/11/2018	08:19:49	49	66	50	47
17/11/2018	08:34:49	49	70	51	47
17/11/2018	08:49:49	49	61	50	47
17/11/2018	09:04:49	48	53	49	46
17/11/2018	09:19:49	49	61	50	47
17/11/2018	09:34:49	49	58	51	48
17/11/2018	09:49:49	48	57	49	47
17/11/2018	10:04:49	48	61	49	46
17/11/2018	10:19:49	49	64	49	46
17/11/2018	10:34:49	49	61	50	47
17/11/2018	10:49:49	49	57	50	47
17/11/2018	11:04:49	49	57	51	47
17/11/2018	11:19:49	47	57	48	45
17/11/2018	11:34:49	48	59	50	46
17/11/2018	11:49:49	49	61	50	48
17/11/2018	12:04:49	48	63	50	46
17/11/2018	12:19:49	47	59	49	44
17/11/2018	12:34:49	48	56	50	46
17/11/2018	12:49:49	50	56	51	48
17/11/2018	13:04:49	49	56	51	47
17/11/2018	13:19:49	50	60	52	48
17/11/2018	13:34:49	49	57	51	47
17/11/2018	13:49:49	48	65	49	46
17/11/2018	14:04:49	51	70	51	45
17/11/2018	14:19:49	47	57	49	45
17/11/2018	14:34:49	50	66	51	47
17/11/2018	14:49:49	49	58	50	47
17/11/2018	15:04:49	48	56	50	47
17/11/2018	15:19:49	48	55	49	47

Appendix 10.1

Start date	Start time	Measured Noise Levels (dB re. 2x10 ⁻⁵ Pa)			
		L _{Aeq}	L _{AFmax}	L _{AF10}	L _{AF90}
17/11/2018	15:34:49	47	57	49	46
17/11/2018	15:49:49	47	56	48	45
17/11/2018	16:04:49	48	57	49	46
17/11/2018	16:19:49	48	57	50	47
17/11/2018	16:34:49	48	62	49	46
17/11/2018	16:49:49	48	58	49	46
17/11/2018	17:04:49	47	56	48	44
17/11/2018	17:19:49	48	57	49	46
17/11/2018	17:34:49	46	60	48	42
17/11/2018	17:49:49	46	57	48	44
17/11/2018	18:04:49	46	58	48	42
17/11/2018	18:19:49	47	60	49	43
17/11/2018	18:34:49	47	57	48	45
17/11/2018	18:49:49	47	55	49	46
17/11/2018	19:04:49	47	55	49	45
17/11/2018	19:19:49	48	56	49	47
17/11/2018	19:34:49	46	58	48	44
17/11/2018	19:49:49	48	58	49	46
17/11/2018	20:04:49	47	56	49	45
17/11/2018	20:19:49	47	61	49	44
17/11/2018	20:34:49	47	60	49	45
17/11/2018	20:49:49	47	55	49	45
17/11/2018	21:04:49	47	53	49	45
17/11/2018	21:19:49	48	59	50	46
17/11/2018	21:34:49	49	60	50	47
17/11/2018	21:49:49	49	56	50	47
17/11/2018	22:04:49	48	53	49	46
17/11/2018	22:19:49	48	56	49	46
17/11/2018	22:34:49	48	53	49	46
17/11/2018	22:49:49	50	58	51	48
17/11/2018	23:04:49	50	58	51	48
17/11/2018	23:19:49	50	56	51	48
17/11/2018	23:34:49	49	59	50	47
17/11/2018	23:49:49	50	57	51	49
18/11/2018	00:04:49	50	58	51	48
18/11/2018	00:19:49	49	56	50	47
18/11/2018	00:34:49	49	60	51	48
18/11/2018	00:49:49	49	58	51	47
18/11/2018	01:04:49	49	60	51	48
18/11/2018	01:19:49	49	57	50	47
18/11/2018	01:34:49	48	55	50	47
18/11/2018	01:49:49	49	57	50	47
18/11/2018	02:04:49	48	57	50	47

Appendix 10.1

Start date	Start time	Measured Noise Levels (dB re. 2x10 ⁻⁵ Pa)			
		L _{Aeq}	L _{AFmax}	L _{AF10}	L _{AF90}
18/11/2018	02:19:49	49	53	50	47
18/11/2018	02:34:49	48	58	49	46
18/11/2018	02:49:49	48	54	49	46
18/11/2018	03:04:49	48	53	49	46
18/11/2018	03:19:49	47	53	49	45
18/11/2018	03:34:49	49	55	50	47
18/11/2018	03:49:49	49	57	51	48
18/11/2018	04:04:49	49	59	50	47
18/11/2018	04:19:49	49	53	50	47
18/11/2018	04:34:49	49	57	51	48
18/11/2018	04:49:49	48	56	50	47
18/11/2018	05:04:49	49	59	51	48
18/11/2018	05:19:49	49	62	51	46
18/11/2018	05:34:49	47	55	49	45
18/11/2018	05:49:49	49	58	50	47
18/11/2018	06:04:49	48	55	50	47
18/11/2018	06:19:49	49	60	50	47
18/11/2018	06:34:49	49	57	50	48
18/11/2018	06:49:49	50	60	52	49
18/11/2018	07:04:49	50	57	52	49
18/11/2018	07:19:49	51	67	52	48
18/11/2018	07:34:49	52	64	53	50
18/11/2018	07:49:49	50	62	52	49
18/11/2018	08:04:49	51	73	52	48
18/11/2018	08:19:49	52	67	53	50
18/11/2018	08:34:49	50	64	52	48
18/11/2018	08:49:49	50	63	51	48
18/11/2018	09:04:49	51	62	53	49
18/11/2018	09:19:49	49	56	50	47
18/11/2018	09:34:49	48	57	50	47
18/11/2018	09:49:49	49	61	51	48
18/11/2018	10:04:49	51	60	52	49
18/11/2018	10:19:49	50	59	51	48
18/11/2018	10:34:49	49	60	51	48
18/11/2018	10:49:49	50	57	51	48
18/11/2018	11:04:49	50	61	52	49
18/11/2018	11:19:49	51	61	53	49
18/11/2018	11:34:49	51	59	52	49
18/11/2018	11:49:49	50	59	52	49
18/11/2018	12:04:49	51	59	52	49
18/11/2018	12:19:49	51	59	52	48
18/11/2018	12:34:49	50	59	52	48
18/11/2018	12:49:49	49	59	51	47

Appendix 10.1

Start date	Start time	Measured Noise Levels (dB re. 2x10 ⁻⁵ Pa)			
		L _{Aeq}	L _{AFmax}	L _{AF10}	L _{AF90}
18/11/2018	13:04:49	49	60	50	46
18/11/2018	13:19:49	49	58	50	47
18/11/2018	13:34:49	48	60	49	46
18/11/2018	13:49:49	48	59	50	47
18/11/2018	14:04:49	49	63	50	47
18/11/2018	14:19:49	50	60	51	48
18/11/2018	14:34:49	50	62	52	49
18/11/2018	14:49:49	50	64	51	48
18/11/2018	15:04:49	49	57	50	47
18/11/2018	15:19:49	48	55	49	47
18/11/2018	15:34:49	48	61	49	46
18/11/2018	15:49:49	49	73	49	46
18/11/2018	16:04:49	49	67	49	46
18/11/2018	16:19:49	48	57	50	46
18/11/2018	16:34:49	47	57	49	44
18/11/2018	16:49:49	47	62	49	43
18/11/2018	17:04:49	46	62	48	44
18/11/2018	17:19:49	47	56	48	45
18/11/2018	17:34:49	48	59	50	46
18/11/2018	17:49:49	47	56	49	46
18/11/2018	18:04:49	45	59	47	42
18/11/2018	18:19:49	43	58	45	40
18/11/2018	18:34:49	45	53	46	43
18/11/2018	18:49:49	43	54	45	41
18/11/2018	19:04:49	44	55	46	40
18/11/2018	19:19:49	42	56	44	39
18/11/2018	19:34:49	43	57	44	38
18/11/2018	19:49:49	42	55	45	36
18/11/2018	20:04:49	44	60	46	41
18/11/2018	20:19:49	46	60	48	41
18/11/2018	20:34:49	44	57	47	39
18/11/2018	20:49:49	44	57	46	40
18/11/2018	21:04:49	43	55	45	41
18/11/2018	21:19:49	43	54	45	42
18/11/2018	21:34:49	41	53	43	39
18/11/2018	21:49:49	41	55	43	39
18/11/2018	22:04:49	43	56	46	39
18/11/2018	22:19:49	43	57	45	40
18/11/2018	22:34:49	43	56	44	41
18/11/2018	22:49:49	41	55	43	38
18/11/2018	23:04:49	42	53	44	38
18/11/2018	23:19:49	44	57	45	42
18/11/2018	23:34:49	44	56	46	40

Appendix 10.1

Start date	Start time	Measured Noise Levels (dB re. 2x10 ⁻⁵ Pa)			
		L _{Aeq}	L _{AFmax}	L _{AF10}	L _{AF90}
18/11/2018	23:49:49	42	51	45	39
19/11/2018	00:04:49	42	54	43	38
19/11/2018	00:19:49	40	54	42	38
19/11/2018	00:34:49	42	51	45	39
19/11/2018	00:49:49	45	55	46	43
19/11/2018	01:04:49	44	65	44	39
19/11/2018	01:19:49	39	45	41	38
19/11/2018	01:34:49	41	46	43	40
19/11/2018	01:49:49	43	55	44	41
19/11/2018	02:04:49	42	48	43	40
19/11/2018	02:19:49	40	53	42	39
19/11/2018	02:34:49	41	48	43	40
19/11/2018	02:49:49	40	46	42	38
19/11/2018	03:04:49	40	45	41	38
19/11/2018	03:19:49	43	49	46	39
19/11/2018	03:34:49	47	54	48	46
19/11/2018	03:49:49	48	56	50	46
19/11/2018	04:04:49	47	53	48	45
19/11/2018	04:19:49	45	52	47	44
19/11/2018	04:34:49	47	58	48	45
19/11/2018	04:49:49	46	52	48	44
19/11/2018	05:04:49	47	58	48	44
19/11/2018	05:19:49	47	55	49	46
19/11/2018	05:34:49	48	61	49	46
19/11/2018	05:49:49	48	59	50	46
19/11/2018	06:04:49	47	55	49	44
19/11/2018	06:19:49	45	58	46	43
19/11/2018	06:34:49	49	62	51	45
19/11/2018	06:49:49	48	58	50	46
19/11/2018	07:04:49	49	65	51	46
19/11/2018	07:19:49	49	62	52	46
19/11/2018	07:34:49	50	68	52	46
19/11/2018	07:49:49	49	62	52	45
19/11/2018	08:04:49	51	68	54	45
19/11/2018	08:19:49	52	61	54	48
19/11/2018	08:34:49	51	61	54	47
19/11/2018	08:49:49	56	77	56	47