



EPL No:	4865
Entity Name:	Enviroguard Pty Ltd
Site:	4 Quarry Road, Erskine Park NSW
Monitoring Frequency:	Annual
Link to NSW EPA Register:	Click Here

Uploaded onto the CWY Website: 1 November 2023

Provided to NSW EPA: 1 November 2023

Table 4.1 Location R01 – 55 Coowarra Drive, St Clair – Measurement Results

Date	Time	Measurement result (15 minute)		Criterion Leq (15 mins), dBA	Observations and noted noise level (L _{eq,t})	Considered compliant
		dBA L ₉₀	dBA L _{eq}			
21/06/23	9:45 – 10:00 AM	45	48	48	Dominant background noise: — Distant traffic (39 – 40 dBA) — Traffic on Erskine Park Rd (50 – 53 dBA) Intermittent noise sources: — Traffic on Coowarra Dr (44 – 48 dBA) — Heavy vehicle compression braking (48 – 56 dBA)	YES
	10:00 – 10:15 AM	44	48	48		YES
	10:15 – 10:30 AM	43	49	48		YES
	10:30 – 10:45 AM	41	47	48		YES
	10:45 – 11:00 AM	41	50	48		YES
	11:00 – 11:15 AM	39	45	48		YES
	22/06/23	9:30 – 9:45 AM	45	48		48
22/06/23	9:45 – 10:00 AM	44	48	48	— Dogs barking (48 – 54 dBA)	YES
	10:00 – 10:15 AM	41	45	48	— Birds (51 – 58 dBA)	YES
	10:15 – 10:30 AM	42	46	48	— Insects (44 dBA)	YES
	10:30 – 10:45 AM	42	49	48	— Distant industrial activity (47 dBA)	YES
	10:45 – 11:00 AM	41	46	48	— Trees rustling (44 – 49 dBA)	YES
29/06/23	12:00 – 12:15 PM	45	49	48	Noise sources associated with Project site: — Generally inaudible — Intermittent excavator noise (46 – 47 dBA L _{max})	YES
	12:15 – 12:30 PM	44	47	48		YES
	12:30 – 12:45 PM	44	48	48		YES
	12:45 – 1:00 PM	44	47	48		YES
	1:00 – 1:15 PM	43	47	48		YES
	1:15 – 1:30 PM	44	47	48		YES

Note: Noise sources associated with the Project site were observed to be generally inaudible with the dominant noise source contributing to the measured values being traffic. Therefore, strict compliance cannot be demonstrated at all locations, refer to Section 5 for further discussion on this point.

Table 4.3 Location R03 – 19 Mandalong Close, Erskine Park – Measurement Results

Date	Time	Measurement result (15 minute)		Criterion Leq (15 mins), dBA	Observations and noted noise level (L _{eq,t})	Considered compliant
		dBA L ₉₀	dBA L _{eq}			
21/06/23	10:45 – 11:00 AM	44	56	49	Dominant background noise: — Background traffic from Mamre Road (50 – 54 dBA) Intermittent noise sources: — Car pass-by on Mandalong Close (55 – 78 dBA) — Heavy vehicle compression braking on Mamre Road (61 – 68 dBA) — Birds (48 – 57 dBA)	YES
	11:00 – 11:15 AM	45	55	49		YES
	11:15 – 11:30 AM	43	51	49		YES
	11:30 – 11:45 AM	44	55	49		YES
	11:45 – 12:00 PM	45	55	49		YES
	12:00 – 12:15 PM	45	55	49		YES
22/06/23	10:00 – 10:15 AM	46	58	49	— Insects (48 – 49 dBA)	YES
	10:15 – 10:30 AM	47	58	49	— Rural noise (54 dBA)	YES
	10:30 – 10:45 AM	47	55	49	— Children playing (66 – 77 dBA)	YES
	10:45 – 11:00 AM	47	54	49	— Aircraft pass-bys (52 – 56 dBA)	YES
	11:00 – 11:15 AM	46	56	49	— Reverse beeping faintly audible from construction site (43 – 44 dBA)	YES
	11:15 – 11:30 AM	46	58	49	— Leaves rustling (49 – 50 dBA)	YES
	29/06/23	12:00 – 12:15 PM	48	54	49	Noise sources associated with Project site: — Inaudible
12:15 – 12:30 PM	48	53	49	YES		
12:30 – 12:45 PM	47	56	49	YES		
12:45 – 1:00 PM	45	55	49	YES		
1:00 – 1:15 PM	47	55	49	YES		
1:15 – 1:30 PM	48	53	49	YES		

Note: Noise sources associated with the Project site were observed to be inaudible with the dominant noise sources contributing to the measured values being traffic. Therefore, strict compliance cannot be demonstrated, refer to Section 5 for further discussion on this point.

Table 4.2 Location R02 – 86 Chameleon Drive, Erskine Park – Measurement Results

Date	Time	Measurement result (15 minute)		Criterion Leq (15 mins), dBA	Observations and noted noise level (L _{eq,t})	Considered compliant
		dBA L ₉₀	dBA L _{eq}			
21/06/23	10:30 – 10:45 AM	41	50	48	Dominant background noise: — Distant traffic (39 – 42 dBA) — Birds (39 – 42 dBA) — Trees rustling (43 – 46 dBA) Intermittent noise sources: — Birds (48 – 65 dBA) — Dog bark (57 – 61 dBA)	YES
	10:45 – 11:00 AM	39	48	48		YES
	11:00 – 11:15 AM	38	49	48		YES
	11:15 – 11:30 AM	37	44	48		YES
	11:30 – 11:45 AM	37	45	48		YES
	11:45 – 12:00 PM	37	47	48		YES
22/06/23	10:45 – 11:00 AM	40	50	48	— Rural noise (39 – 51 dBA) Maintenance work at nearby residence (58 – 63 dBA) — Planes/helicopters (48 – 60 dBA) — Heavy vehicle brake release (71 – 73 dBA) — Distant traffic pass-bys (46 – 47 dBA) — Motorbike (55 dBA) — Reverse beep slightly audible (46 dBA)	YES
	11:00 – 11:15 AM	39	49	48		YES
	11:15 – 11:30 AM	39	47	48		YES
	11:30 – 11:45 AM	39	47	48		YES
	11:45 – 12:00 PM	40	49	48		YES
	12:00 – 12:15 PM	39	53	48		YES
	29/06/23	12:00 – 12:15 PM	43	47		48
12:15 – 12:30 PM	41	45	48	YES		
12:30 – 12:45 PM	42	45	48	YES		
12:45 – 1:00 PM	41	45	48	YES		
1:00 – 1:15 PM	41	44	48	YES		
1:15 – 1:30 PM	40	44	48	YES		

Note: Noise sources associated with the Project site were observed to be generally inaudible with the dominant noise sources contributing to the measured values being traffic and environmental features. Therefore, strict compliance cannot be demonstrated at all locations, refer to Section 5 for further discussion on this point.

Table 4.4 Location R05 – 573 Mamre Road, Orohard Hills – Measurement Results

Date	Time	Measurement result (15 minute)		Criterion Leq (15 mins), dBA	Observations and noted noise level (L _{eq,t})	Considered compliant
		dBA L ₉₀	dBA L _{eq}			
21/06/23	12:30 – 12:45 PM	55	65	49	Dominant background noise: — Traffic on Mamre Road (62 – 64 dBA) Intermittent noise sources: — Light vehicle pass-by (59 – 64 dBA) — Heavy vehicles (67 – 75 dBA) — Heavy vehicle compression braking (76 – 77 dBA) — Birds (60 – 64 dBA)	YES
	12:45 – 1:00 PM	56	66	49		YES
	1:00 – 1:15 PM	56	65	49		YES
	1:15 – 1:30 PM	55	65	49		YES
	1:30 – 1:45 PM	55	65	49		YES
	1:45 – 2:00 PM	56	65	49		YES
22/06/23	12:00 – 12:15 PM	56	67	49	Noise sources associated with Project site: — Inaudible	YES
	12:15 – 12:30 PM	57	66	49		YES
	12:30 – 12:45 PM	57	66	49		YES
	12:45 – 1:00 PM	57	66	49		YES
	1:00 – 1:15 PM	58	65	49		YES
	1:15 – 1:30 PM	59	66	49		YES
	29/06/23	12:00 – 12:15 PM	56	65		49
12:15 – 12:30 PM	57	65	49	YES		
12:30 – 12:45 PM	57	65	49	YES		
12:45 – 1:00 PM	56	66	49	YES		
1:00 – 1:15 PM	56	65	49	YES		
1:15 – 1:30 PM	55	65	49	YES		

Note: Noise sources associated with the Project site were observed to be inaudible with the dominant noise sources contributing to the measured values being traffic. Therefore, strict compliance cannot be demonstrated, refer to Section 5 for further discussion on this point.

Table 4.5 Location R08 – 674 Mamre Road, Kemps Creek – Measurement Results

Date	Time	Measurement result (15 minute)		Criterion Leq (15 mins), dBA	Observations and noted noise level (Leq)	Considered compliant
		dBA L ₉₀	dBA L _{eq}			
21/06/23	12:30 – 12:45 PM	54	63	49	Dominant background noise:	YES
	12:45 – 1:00 PM	53	63	49	— Traffic from Mamre Road (58 dBA)	YES
	1:00 – 1:15 PM	56	63	49	— Construction noise directly across from Mamre Road (54 – 60 dBA)	YES
	1:15 – 1:30 PM	55	64	49		YES
	1:30 – 1:45 PM	56	63	49	Intermittent noise sources:	YES
	1:45 – 2:00 PM	56	63	49	— Idling vehicles on Mamre Road (51 – 52 dBA)	YES
22/06/23	11:00 – 11:15 AM	54	63	49	— Car pass-by (57 – 63 dBA)	YES
	11:15 – 11:30 AM	54	63	49	— Heavy vehicles (67 – 78 dBA)	YES
	11:30 – 11:45 AM	56	64	49	— Heavy vehicle compression braking (63 – 78 dBA)	YES
	11:45 – 12:00 PM	55	63	49	— Heavy vehicle bang/clang (68 – 73 dBA)	YES
	12:00 – 12:15 PM	58	65	49	— Beeping and clanging associated with construction works (54 – 61 dBA)	YES
	12:15 – 12:30 PM	53	62	49	— Roadworks on Mamre Road (68 – 69 dBA)	YES
	12:30 – 12:45 PM	55	62	49	— Plane (57 – 63 dBA)	YES
	12:45 – 1:00 PM	53	62	49	— Birds (52 – 65 dBA)	YES
29/06/23	12:00 – 12:15 PM	55	62	49	— Leaves rustling (49 – 52 dBA)	YES
	12:15 – 12:30 PM	52	63	49	Noise sources associated with Project site:	YES
	12:30 – 12:45 PM	54	62	49	— Inaudible	YES
	12:45 – 1:00 PM	53	62	49		YES
	1:00 – 1:15 PM	55	63	49		YES
	1:15 – 1:30 PM	56	64	49		YES

Note: Noise sources associated with the Project site were observed to be inaudible with the dominant noise sources contributing to the measured values being traffic and construction from another site. Therefore, strict compliance cannot be demonstrated, refer to Section 5 for further discussion on this point.

Table 4.6 Location R08 – 61-109 Bakers Lane, Kemps Creek – Measurement Results

Date	Time	Measurement result (15 minute)		Criterion Leq (15 mins), dBA	Observations and noted noise level (Leq)	Considered compliant
		dBA L ₉₀	dBA L _{eq}			
21/06/23	2:00 – 2:15 PM	34	40	42	Dominant background noise:	YES
	2:15 – 2:30 PM	34	45	42	— Birds (37 – 39 dBA)	YES
	2:30 – 2:45 PM	34	49	42	— Distant traffic noise from Mamre Road (37 – 44 dBA)	YES
	2:45 – 3:00 PM	35	40	42	— Trees rustling (43 – 46 dBA)	YES
	3:00 – 3:15 PM	36	42	42	Intermittent noise sources:	YES
	3:15 – 3:30 PM	37	48	42	— Heavy vehicle braking noise (44 dBA)	YES
	3:30 – 3:45 PM	37	48	42	— Heavy traffic (51 – 52 dBA)	YES
22/06/23	12:00 – 12:15 PM	39	51	42	— Aircraft (44 – 69 dBA)	YES
	12:15 – 12:30 PM	39	45	42	— Reverse beep faintly audible (38 – 43 dBA)	YES
	12:30 – 12:45 PM	40	47	42	— Birds (49 – 63 dBA)	YES
	12:45 – 1:00 PM	40	45	42	— Suburban activity (42 – 55 dBA)	YES
	1:00 – 1:15 PM	38	40	42	— Children playing (43 – 53 dBA)	YES
	1:15 – 1:30 PM	40	52	42	— PA in nearby school (47 – 56 dBA)	YES
	1:30 – 1:45 PM	40	52	42	— Electric drill (47 – 50 dBA)	YES
	1:45 – 2:00 PM	40	52	42	Noise sources associated with Project site:	YES
29/06/23	12:00 – 12:15 PM	39	44	42	— Generally inaudible	YES
	12:15 – 12:30 PM	39	43	42		YES
	12:30 – 12:45 PM	39	44	42	— Intermittent excavator noise (41 dBA L _{max})	YES
	12:45 – 1:00 PM	39	44	42		YES
	1:00 – 1:15 PM	39	43	42		YES
	1:15 – 1:30 PM	40	44	42		YES

Note: Noise sources associated with the Project site were observed to be generally inaudible with the dominant noise sources contributing to the measured values being traffic and environmental features. Therefore, strict compliance cannot be demonstrated at all locations, refer to Section 5 for further discussion on this point.