

Noise monitoring

Licensee: AUSSIE SKIPS RECYCLING PTY LTD
 Address: PO Box 156, Belfield, NSW, 2191
 Premises: 13 Bellfrog St, Greenacre, 2190
 EPL: 21389



Attended noise monitoring must be undertaken in accordance with Condition L4.7 of the Site's EPL and must:

- a) occur quarterly for a period of one year in the first reporting period and every six months in each reporting period thereafter;
- b) occur during each day and morning shoulder period as defined in the Noise Policy for Industry for a minimum of:
 - 30 minutes during the day; and
 - 15 minutes during the morning shoulder period.
 - occur for three consecutive operating days.

Morning Shoulder means the period from 6am to 7am Monday to Saturday and the period from 6am to 8am Sunday and public holidays.

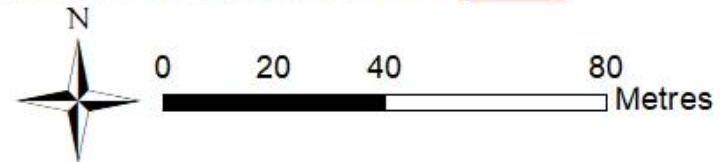
Day means the period from 7am to 6pm Monday to Saturday and the period from 8am to 6pm Sunday and public holidays.

Noise level limits defined in the EPL are provided below for the appropriate meteorological conditions (left, Condition L4.1 of the EPL), and for sessions where the meteorological conditions experienced are not as specified in Condition L4.4 of the EPL (right, Condition L4.5 of the EPL):

		Noise level limits (dB(A))					Revised noise level limits (dB(A))		
		EPL Point					EPL Point		
Period	Parameter	1 (25 Juno Pde)	2 (41 Juno Pde)	3 (54 Wentworth St)	Period	Parameter	1 (25 Juno Pde)	2 (41 Juno Pde)	3 (54 Wentworth St)
Morning Shoulder	LAeq (15 mins)	51	51	51	Morning Shoulder	LAeq (15 mins)	56	56	56
	LAFmax	61	61	61		LAFmax	66	66	66
Day	LAeq (15 mins)	54	52	52	Day	LAeq (15 mins)	59	57	57
	LAFmax	70	70	70		LAFmax	75	75	75

To undertake the monitoring, the noise measurement equipment is located approximately on the property boundary of the three residences defined in the EPL as monitoring points. These are provided below, and shown on the map overleaf.

- EPL Point 1: 25 Juno Parade, Greenacre
- EPL Point 2: 41 Juno Parade, Greenacre
- EPL Point 3: 54 Wentworth Street, Greenacre



Summary of noise monitoring – all monitoring periods

Reporting period	Monitoring frequency	Monitoring period	Monitoring month	Monitoring dates	All sessions compliant with EPL limits?	Comments/justification	Date processed data obtained	Date data published
4 March 2020 - 3 March 2021	Quarterly	Quarter 1	May	12-14 May 2020	Yes	None	25/06/2020	25/06/2020
4 March 2020 - 3 March 2021	Quarterly	Quarter 2	August	11-13 August 2020	Yes	None	10/09/2020	18/09/2020
4 March 2020 - 3 March 2021	Quarterly	Quarter 3	November	17-19 November 2020	Yes	None	18/01/2021	20/01/2021
4 March 2020 - 3 March 2021	Quarterly	Quarter 4	February	23-25 February 2021	Yes	None	24/03/2021	01/04/2021
4 March 2021 - 3 March 2022	6-monthly							
4 March 2021 - 3 March 2022	6-monthly							

2020/21 Reporting period: Quarterly noise monitoring – Quarter 1, May 2020

Table 1: Results of attended noise monitoring, following the three-stage assessment procedure implemented to estimate the maximum potential Site contribution to LAeq (15 minutes) and LAFmax values (to the nearest whole number). MS = Morning Shoulder, D (m) = Day (morning) period, D (a) = Day (afternoon) period. Non-compliant results have been highlighted (if any have been identified).

Date	Session	Period	Start time	EPL Point	Estimated maximum site contribution LAeq (15 min) (dB(A))	Estimated maximum potential site contribution LAFmax (dB(A))	Confidence in estimate	Site activities/noises during monitoring	Reference noise sources (roughly in order of dominance)
12/05/2020	1	MS	6:05:30	3	49	59	High	Staff arriving, skip trucks exiting site, movement of vehicles on site	Traffic, birds, industrial noise
	2	MS	6:27:10	2	50	61	High	Vehicles exiting site, front end loader, movement of bins	Traffic, birds, dog, industrial noise
	3	MS	6:47:00	1	51	<57	Medium	Vehicles entering and exiting site, front end loader, movement of bins, unloading and sorting of material	Traffic, birds, industrial noise, site audible but faint
	4	D (m)	7:35:00	1	51	<62	Medium	Vehicles exiting site, movement of material	Traffic, birds, industrial noise, site audible
	5	D (m)	8:00:00	2	49	66	High	Vehicles entering and exiting site, movement of material	Surrounding industrial sites dominant, some banging from site, traffic, birds, roadworks
	6	D (m)	8:25:00	3	50	<62	Medium	Handling/shaking of material with mobile plant, movement of bins, food truck horn (brief)	Traffic, consistent industrial noise from surrounding sites
	7	D (a)	14:30:30	3	49	63	High	Vehicles entering and exiting site, unloading and sorting of material	Distant traffic, industrial hum, trucks on Bellfrog Street, birds, residents
	8	D (a)	14:54:30	2	51	70	High	Vehicles entering and exiting site, reversing beepers, unloading and sorting of material and skips	Mobile plant from site, traffic, birds, reversing alarms from surrounding sites, shouting and alarms from adjacent site
	9	D (a)	15:17:10	1	51	<67	Medium	Vehicles entering site, unloading and sorting of material, dropping of bins	Traffic, industrial noise (potentially from site), birds, alarms/beepers
13/05/2020	10	MS	6:08:00	3	48	<60	Medium	Vehicles entering and exiting site, operation of machinery	Traffic, industrial noise from vicinity of site, birds
	11	MS	6:29:30	2	50	61	High	Vehicles entering and exiting site, operation of machinery	Industrial noise (fans, trucks, alarms from cement works), birds, traffic
	12	MS	6:47:45	1	51	66	Low	Vehicles entering and exiting site, operation of machinery	Traffic, industrial noise (fans, trucks, alarms from cement works), birds
	13	D (m)	7:31:30	1	50	63	High	Vehicles entering and exiting site, operation of machinery	Traffic, construction site, industrial noise, birds

Date	Session	Period	Start time	EPL Point	Estimated maximum site contribution LAeq (15 min) (dB(A))	Estimated maximum potential site contribution LAFmax (dB(A))	Confidence in estimate	Site activities/noises during monitoring	Reference noise sources (roughly in order of dominance)
	14	D (m)	7:53:00	2	52	68	High	Vehicles entering and exiting site, operation of machinery	Industrial noise, birds, traffic, plane, residents
	15	D (m)	8:13:30	3	46	68	High	Vehicles entering and exiting site, operation of machinery	Industrial noise, birds, traffic, plane
	16	D (a)	15:23:10	3	48	<67	Medium	Vehicles entering and exiting site, operation of machinery	Birds, traffic, site audible but generally faint
	17	D (a)	15:45:30	2	49	<65	Medium	Sorting and movement of material, dropping of bins	Traffic, birds, construction site, site audible but not dominant
	18	D (a)	16:09:30	1	54	<65	Medium	Sorting and movement of material, dropping of bins	Traffic, residents playing in yard, construction site, site audible but not dominant
14/05/2020	19	MS	6:10:22	3	51	62	Low	Vehicles exiting site	Birds, traffic, reversing beepers, site audible but not dominant
	20	MS	6:32:25	2	50	<60	Medium	Trucks idling, vehicles exiting site, dropping of bins	Traffic, birds, industrial noise, residents
	21	MS	6:55:00	1	<51	61	High	Sorting and movement of material, dropping of bins	Traffic, industrial noise
	22	D (m)	7:40:00	1	52	65	High	Sorting and movement of material	Traffic, excavator at adjacent site, site noises
	23	D (m)	8:03:00	2	52	69	High	Sorting and movement of material	Birds, traffic, excavator at adjacent site, residents
	24	D (m)	8:27:00	3	49	65	High	Little-no activity	Birds, traffic, residents
	25	D (a)	13:49:00	3	52	68	High	Little activity - some vehicles entering and exiting site, sorting and movement of material	Birds, traffic, excavator at adjacent site, industrial noise, residents
	26	D (a)	14:14:00	2	51	70	High	Sorting and movement of material, dropping of bins	Wind, traffic, reverse beeper, residents, birds, industrial noise
	27	D (a)	14:39:00	1	<51	70	High	Sorting and movement of material, dropping of bins	Children playing, traffic, industrial noise

2020/21 Reporting period: Quarterly noise monitoring – Quarter 2, August 2020

Table 2: Results of attended noise monitoring, following the three-stage assessment procedure implemented to estimate the maximum potential Site contribution to LAeq (15 minutes) and LAFmax values (to the nearest whole number). MS = Morning Shoulder, D (m) = Day (morning) period, D (a) = Day (afternoon) period. Non-compliant results have been highlighted (if any have been identified). As mentioned in the report, where values were determined to be “less than the limit”, this value has been entered.

Date	Session	Period	Start time	EPL Point	Estimated maximum potential site contribution LAeq (15 min) (dB(A))	Estimated maximum potential site contribution LAFmax (dB(A))	Confidence in estimate	Site activities/noises during monitoring	Reference noise sources (roughly in order of dominance)
11/08/2020	1	MS	6:13:30	3	49	<61	Medium	Staff arriving, skip trucks exiting site, movement of vehicles on site	Traffic, birds
	2	MS	6:36:30	2	49	<61	Medium	Site meeting, skip trucks exiting site, movement of vehicles on site (not audible)	Traffic, birds, industrial noise
	3	MS	6:59:00	1	51	61	High	Vehicles entering and exiting site, front end loader, movement of bins, unloading and sorting of material (expected, none audible)	Traffic, birds
	4	D (m)	7:52:00	1	53	70	High	Vehicles entering and exiting site, front end loader, movement of bins, unloading and sorting of material (expected, none audible)	Traffic, birds
	5	D (m)	8:17:00	2	52	<70	Medium	Vehicles entering and exiting site, front end loader, movement of bins, unloading and sorting of material (expected, none audible), food truck horn (brief)	Industrial noise especially adjacent site, traffic, birds
	6	D (m)	8:40:00	3	52	69	High	Vehicles entering and exiting site, excavator working	Industrial noise especially adjacent site, traffic, birds
	7	D (a)	14:01:30	3	48	65	High	Vehicles exiting site infrequently (only just audible), other activities expected include: sorting/moving of material on site	Industrial noise especially adjacent site, traffic
	8	D (a)	14:25:00	2	52	<70	Medium	Vehicles exiting site (audible), front end loader, movement of bins, unloading and sorting of material (expected, none audible)	Industrial noise especially adjacent site and concrete plant, traffic, birds
12/08/2020	9	D (a)	14:47:00	1	50	<70	Medium	Vehicles entering and exiting site, front end loader, movement of bins, unloading and sorting of material (expected, site only faintly audible when traffic reduces, which is rare)	Traffic, industrial hum, birds, dog, residents
	10	MS	6:08:30	3	50	63	Low	Staff arriving, trucks exiting. Note: Uncertainty whether 63 dB measurement attributable to the Site, however, session compliant with revised limits.	Traffic hum, industrial noise especially adjacent site, birds

	11	MS	6:30:30	2	<51	61	Medium	Little activity	Traffic, industrial activity, birds
	12	MS	6:53:00	1	<51	61	Medium	Vehicles entering and exiting site, front end loader, movement of bins, unloading and sorting of material (expected, none audible)	Traffic, birds
	13	D (m)	7:41:00	1	51	66	High	Vehicles entering and exiting site, front end loader, movement of bins, unloading and sorting of material (expected, none audible)	Traffic, birds, neighbouring work sites
	14	D (m)	8:04:00	2	<51	67	Medium	Vehicles entering and exiting site, front end loader, movement of bins, unloading and sorting of material (expected, none audible)	Industrial noise especially adjacent site, traffic, planes, birds
	15	D (m)	8:29:00	3	51	<70	Medium	Vehicles entering and exiting site, front end loader, movement of bins, unloading and sorting of material (expected, none audible), food truck horn (brief)	Industrial noise especially adjacent site, traffic
	16	D (a)	13:50:00	3	46	65	High	Vehicles entering and exiting site, dropping off bins, handling material with excavator	Industrial noise especially adjacent site, birds, residential noise, traffic
	17	D (a)	14:13:00	2	49	63	High	Handling material with excavator (frequent throughout session)	Industrial noise especially adjacent site, birds, traffic
	18	D (a)	14:36:00	1	51	68	High	Handling material with excavator	Traffic, birds, intermittent industrial activity
13/08/2020	19	MS	6:02:45	3	51	61	High	Vehicles entering and exiting site, possible handling of material with excavator	Traffic, industrial noise especially adjacent site (increasing towards end of session), birds
	20	MS	6:24:00	2	<51	61	Medium	Vehicles entering and exiting site	Traffic, birds, industrial noise especially adjacent site
	21	MS	6:45:00	1	<51	61	Medium	No industrial noise audible	Traffic, birds, resident activity
	22	D (m)	7:35:45	1	52	68	High	Sorting and movement of material	Traffic, birds, industrial noise faint and intermittent
	23	D (m)	7:59:00	2	52	<70	Medium	Sorting and movement of material (faintly audible)	Traffic (less than previous session), industrial noise especially adjacent site
	24	D (m)	8:21:00	3	49	63	High	Vehicles entering and exiting site, dropping off bins, food truck horn (brief)	Traffic, birds, industrial noise especially adjacent site, trade work at neighbouring properties
	25	D (a)	14:00:00	3	50	63	High	Vehicles entering and exiting site, handling of material with excavator	Industrial noise especially adjacent site, traffic, birds, resident activity
	26	D (a)	14:31:00	2	48	<70	Medium	Vehicles entering and exiting site, handling of material with excavator	Traffic, birds, industrial noise especially adjacent site
		D (a)	15:00:00	1	49	62	High	Vehicles entering and exiting site, handling of material with excavator	Traffic, birds, resident activity

2020/21 Reporting period: Quarterly noise monitoring – Quarter 3, November 2020

Table 3: Results of attended noise monitoring, following the three-stage assessment procedure implemented to estimate the maximum potential Site contribution to LAeq (15 minutes) and LAFmax values (to the nearest whole number). MS = Morning Shoulder, D (m) = Day (morning) period, D (a) = Day (afternoon) period. Non-compliant results have been highlighted (if any have been identified). As mentioned in the report, where values were determined to be “less than the limit”, this value has been entered.

Date	Session	Period	Start time	EPL Point	Estimated maximum potential site contribution LAeq (15 min) (dB(A))	Estimated maximum potential site contribution LAFmax (dB(A))	Confidence in estimate	Site activities/noises during monitoring	Reference noise sources (roughly in order of dominance)
17/11/2020	1	MS	6:00:00	3	51	<61	High	Vehicles entering and exiting site, loading of material	Birds, Traffic, Activity at adjacent site
	2	MS	6:23:30	2	50	<61	High	Vehicles leaving site	Birds, Traffic, Activity at adjacent site
	3	MS	6:45:30	1	51	<61	High	Little activity	Traffic, Birds, Children next door
	4	D (m)	7:35:00	1	53	69	Medium	Material loading	Traffic, Birds, Children next door
	5	D (m)	7:57:30	2	52	<70	High	Vehicles entering and exiting site, loading of material	Activity at adjacent site, Birds, Traffic
	6	D (m)	8:18:00	3	51	66	Medium	Vehicles entering and exiting site, loading of material	Activity at adjacent site, Birds, Traffic
	7	D (a)	13:30:30	3	52	<70	High	Vehicles entering and exiting site, loading of material, sprinklers	Activity at adjacent site, Birds, Traffic, Loading of material
	8	D (a)	13:53:00	2	52	<70	High	Vehicles entering site	Activity at adjacent site, traffic, wind rustling leaves, birds, insects
	9	D (a)	14:13:30	1	<54	66	High	Little activity	Neighbour mowing lawn for majority of session, Traffic, Birds
18/11/2020	10	MS	6:00:00	3	50	<61	High	Vehicles entering and exiting site, loading/shaking of material	Traffic, Activity at adjacent site
	11	MS	6:22:30	2	50	<61	High	Little activity/site not audible	Traffic, Activity at adjacent site, birds
	12	MS	6:44:00	1	50	<61	High	Little activity	Traffic, Birds, Air traffic
	13	D (m)	7:42:30	1	54	<61	High	Loading/unloading of material	Traffic, Birds

	14	D (m)	8:03:30	2	52	<70	High	Vehicles entering and exiting site, loading/shaking of material	Activity at adjacent site, traffic, insects, birds, intermittent shaking
	15	D (m)	8:25:00	3	52	<70	High	Vehicles entering and exiting site, moving/shaking of material	Traffic, industrial hum, Activity at adjacent site, Aussie skips activity
	16	D (a)	13:51:00	3	52	<70	High	Vehicles entering and exiting site, handling of material	Industrial hum, traffic, intermittent Aussie's activity, wind rustling leaves
	17	D (a)	14:11:30	2	52	<70	High	Vehicles entering and exiting site, loading/shaking of material	Industrial hum, wind rustling leaves, traffic, Activity at adjacent site, shaking at Aussies
	18	D (a)	14:32:00	1	51	<70	High	Vehicles entering and exiting site, handling/shaking of material	Traffic, insects, Aussies audible during reduced traffic
19/11/2020	19	MS	6:00:00	3	50	<61	High	Vehicles exiting site	Birds, constant noise from trucks, traffic
	20	MS	6:30:00	2	51	<61	High	Vehicles exiting the site infrequently	Birds, Activity at the adjacent site
	21	MS	6:55:00	1	51	<61	High	Site accepting loads	Birds, Traffic (Juno Parade)
	22	D (m)	7:39:00	1	51	<70	High	Unloading of material/ skip bin movement	Traffic (Juno Parade)
	23	D (m)	8:04:00	2	52	<70	High	Unloading of material/ skip bin movement	Activity at construction yard, Traffic (Juno Parade), Insects
	24	D (m)	8:35:00	3	50	63	Medium	Little activity	Construction noise at adjacent yard, strong winds
	25	D (a)	13:35:00	3	51	<70	High	Loading/shaking of material	Birds, Traffic (Juno Parade)
	26	D (a)	13:59:00	2	52	<70	Medium	Little activity	Construction/storage yard activity, birds
	27	D (a)	14:36:00	1	54	<70	High	Loading/shaking of material	Surrounding construction activity dominant, waste sorting/screening at Aussies

2020/21 Reporting period: Quarterly noise monitoring – Quarter 4, February 2021

Table 4: Results of attended noise monitoring, following the three-stage assessment procedure implemented to estimate the maximum potential Site contribution to LAeq (15 minutes) and LAFmax values (to the nearest whole number). MS = Morning Shoulder, D (m) = Day (morning) period, D (a) = Day (afternoon) period. Non-compliant results have been highlighted (if any have been identified). As mentioned in the report, where values were determined to be “less than the limit”, this value has been entered.

Date	Session	Period	Start time	EPL Point	Estimated maximum potential site contribution LAeq (15 min) (dB(A))	Estimated maximum potential site contribution LAFmax (dB(A))	Confidence in estimate	Site activities/noises during monitoring	Reference noise sources (roughly in order of dominance)
23/02/2021	1	MS	6:01:30	3	49	62	Medium	Vehicles entering and exiting site	Birds, Traffic
	2	MS	6:22:00	2	48	<61	High	Vehicles entering and exiting site, loading/unloading of material	Birds, Traffic
	3	MS	6:43:00	1	51	61	Low	Vehicles entering and exiting site, loading/unloading of material	Traffic, Birds
	4	D (m)	7:41:30	1	52	64	Low	Vehicles entering and exiting site, loading/unloading of material	Traffic, Birds
	5	D (m)	8:02:30	2	52	<70	High	Vehicles entering and exiting site, loading/unloading of material	Birds, Traffic
	6	D (m)	8:25:00	3	50	67	Low	Vehicles entering and exiting site, loading/unloading of material	Traffic, Birds, Activity at adjacent site
	7	D (a)	13:10:30	3	<52	69	Low	Vehicles entering and exiting site, loading/unloading of material	Traffic, Activity at adjacent site
	8	D (a)	13:33:00	2	52	70	Low	Vehicles entering and exiting site, loading/unloading of material	Traffic, Activity at adjacent site, Wind
	9	D (a)	13:56:00	1	54	64	Low	Vehicles entering and exiting site, loading/unloading of material	Traffic, Birds
24/02/2021	10	MS	6:10:00	3	49	57	Low	Vehicles entering and exiting site, loading/unloading of material	Traffic, Birds, Aussies Site (faintly audible)
	11	MS	6:33:00	2	50	<61	High	Vehicles entering and exiting site, loading/unloading of material	Traffic, Birds, Activity at adjacent site

	12	MS	6:55:00	1	50	60	Low	Vehicles entering and exiting site, loading/unloading of material	Traffic, Activity at adjacent site
	13	D (m)	7:45:00	1	48	65	Low	Vehicles entering and exiting site, loading/unloading of material	Activity at adjacent site, Traffic, Birds
	14	D (m)	8:10:00	2	<52	70	Low	Vehicles entering and exiting site, loading/unloading of material	Activity at adjacent site, Birds, Traffic
	15	D (m)	8:32:00	3	49	66	Low	Vehicles entering and exiting site, loading/unloading of material	Traffic, Birds
	16	D (a)	16:09:00	3	51	65	Low	Vehicles entering and exiting site, loading/unloading of material	Birds, Activity at adjacent site, Traffic
	17	D (a)	16:29:00	2	52	<70	High	Vehicles entering and exiting site, loading/unloading of material	Birds, Activity at adjacent site, Traffic
	18	D (a)	16:48:30	1	51	67	Low	Vehicles entering and exiting site, loading/unloading of material	Traffic, Dog
25/02/2021	19	MS	6:05:00	3	49	63	Medium	Vehicles entering and exiting site, loading/unloading of material	Aussies Site, Traffic, Birds
	20	MS	6:26:30	2	51	<61	High	Vehicles entering and exiting site, loading/unloading of material	Industrial noise, Activity at adjacent site, Traffic, Birds
	21	MS	6:45:30	1	51	<61	High	Vehicles entering and exiting site, loading/unloading of material	Traffic, Birds, Rooster
	22	D (m)	7:19:00	1	50	65	Low	Vehicles entering and exiting site, loading/unloading of material	Traffic, Birds
	23	D (m)	7:41:30	2	51	<70	High	Vehicles entering and exiting site, loading/unloading of material	Activity at adjacent site, Birds, Industrial noise, Traffic
	24	D (m)	8:03:30	3	50	<70	High	Vehicles entering and exiting site, loading/unloading of material	Activity at adjacent site, Birds, Traffic

25	D (a)	15:32:00	3	<52	67	Low	Vehicles entering and exiting site, loading/unloading of material	Traffic, Activity at adjacent site
26	D (a)	15:53:00	2	52	<70	High	Vehicles entering and exiting site, loading/unloading of material	Activity at adjacent site, Traffic
27	D (a)	16:14:10	1	49	68	Low	Vehicles entering and exiting site, loading/unloading of material	Traffic, Birds