JAMESTRONG PACKAGING AUSTRALIA PTY LTD

2 HALLSTROM AVENUE

TAREE NSW 2430

EPA LICENCE 11714 – EPL DATA 2025 – MONITORING PERIOD **04-SEP-2025 TO 03-SEP-2026**

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M5 Record of Pollution Complaints

2025 MONITORING PERIOD

Pollution Complaint Category	Number of Complaints
Air	TBA
Noise	TBA

2024 MONITORING PERIOD

Pollution Complaint Category	Number of Complaints
Air	Nil
Noise	Nil

2023 MONITORING PERIOD

Pollution Complaint Category	Number of Complaints
Air	Nil
Noise	Nil

2022 MONITORING PERIOD

Pollution Complaint Category	Number of Complaints
Air	Nil
Noise	1

M2 Pollutant Concentration Monitoring Summary

The required annual testing for emission compliance was executed over one day. During sampling the facility was operating under normal plant operating conditions.

USEPA Method 18 (TM-34) was used to perform testing for Volatile Organic Compounds. AS/NZS 4323.3:2001 (OM-7) was used for testing of Odour at EPL Point 3 - Wet Scrubber, Decorator (Deco) Stack & EPL Point 4 - Regenerative Thermal Oxidiser (RTO) in accordance with EPL requirements.

One sample for each analyte was taken from EPL Point 3, Deco Stack & the Regenerative Thermal Oxidiser.

Emission concentrations and emission rates are converted to standard conditions (STP) of 0°C, dry gas and 1 atmosphere pressure for comparison with appropriate guideline levels.

We have been informed that monitoring data is to be made public within 14 working days of the report being obtained which we were previously not aware of.

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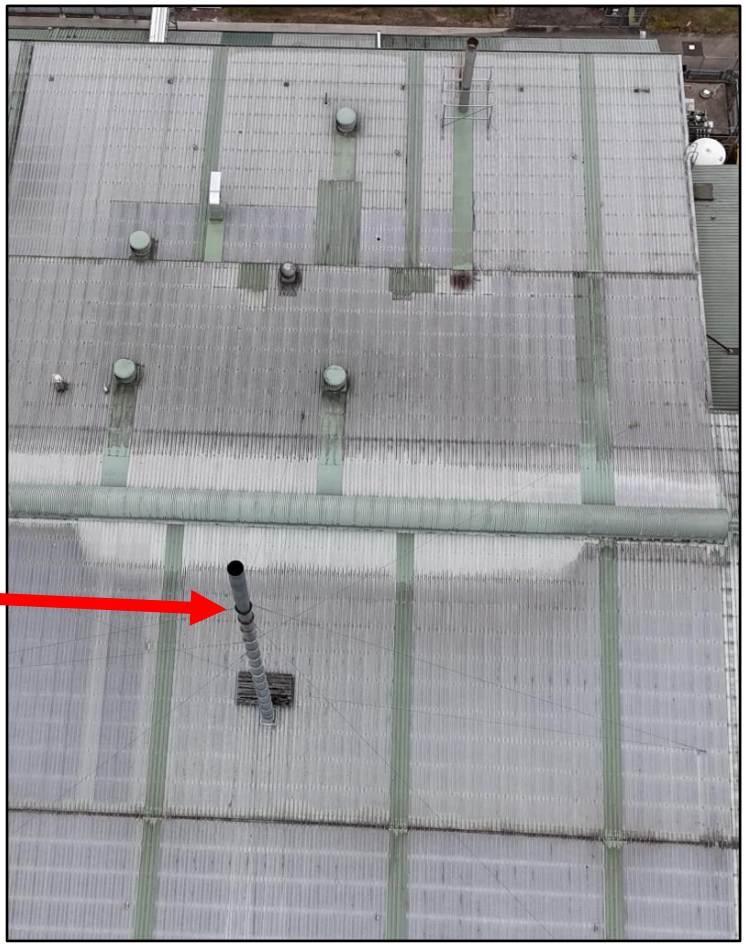
M2 Pollutant Concentration Sampling Locations

EPL Point 3 – Wet Scrubber

EPL Point 4 – Regenerative Thermal Oxidiser (RTO)

Decorator (Deco) Stack



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M2 2025 MONITORING PERIOD – OBTAINED ON 24/09/2025

Sampled on 09/09/2025. Total Volatile Organic Compounds concentrations at EPL Point 3, Deco Stack & Regenerative Thermal Oxidiser were 6.51 mg/m^3, 4.48 mg/m^3 and 1.05 mg/m^3 respectively.

Odour concentrations for EPL Point 3, Deco Stack & Regenerative Thermal Oxidiser were 305 OU, 181 OU and 104 OU respectively.

Table 4-3: Results for EPL Point 3

Pollutant	Isokinetic rate (%)	Concentration	Emission rate	Concentration Limit	Compliant with Limit
Total VOCs as n-Propane	N/A	6.51 mg/m³	0.048 g/s	20 mg/m³	✓
Odour	N/A	305 OU	2,274 OU.m³/s	N/A	N/A

Table 4-6: Results for the Deco Stack

Pollutant	Isokinetic rate (%)	Concentration	Emission rate	Concentration Limit	Compliant with Limit
Total VOCs as n-Propane	N/A	4.48 mg/m³	0.0069 g/s	20 mg/m³	✓
Odour	N/A	181 OU	282.48 OU.m³/s	N/A	N/A

Table 4-8: Results for the Regenerative Thermal Oxidiser (RTO) Stack

Parameter	Unit	Result	POEO (Clean Air) Regulation 2010 Limit	Complaint with POEO Clean Air Regulation Limits
Temperature	°C	227.36	-	-
Carbon dioxide	%	3.01	-	-
Carbon monoxide	mg/m³	25.54	-	-
Oxygen	%	18.92	-	-
Molecular weight dry	g/gmol	29.24	-	-
Velocity at sampling plane	m/s	6.44	-	-
Volumetric flow rate (actual)	m³/s	2.51	-	-
Volumetric flow rate (dry, STP)	Nm³/s	1.4	-	-
Nitrogen Oxide	mg/m³	43.15	350	yes
Total VOCs as n-Propane	mg/m³	1.05	20	yes
Total VOCs as n-Propane Emission Rate	g/s	0.0014	-	-
Moisture	%	0.3	-	-
Odour	OU	104	-	-
Odour Emission Rate	OU.m³/s	179.43	-	-

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M2 2024 MONITORING PERIOD – OBTAINED ON 13/11/2024

Sampled on 29/10/2024.Total Volatile Organic Compounds concentrations at EPL Point 3, Deco Stack & Regenerative Thermal Oxidiser were 6.59 mg/m^3, 6.01 mg/m^3 and 0.41 mg/m^3 respectively.

Odour concentrations for EPL Point 3, Deco Stack & Regenerative Thermal Oxidiser were 332 OU, 395 OU and 362 OU respectively.

Table 4-3: Results for EPL Point 3

Pollutant	Isokinetic rate (%)	Concentration	Emission rate	Concentration Limit	Compliant with Limit
Total VOCs as n-Propane	N/A	6.59 mg/m^3	0.061 g/s	20 mg/m^3	✓
Odour	N/A	332 OU	3,084 OU.m^3/s	N/A	N/A

Table 4-6: Results for the Deco Stack

Pollutant	Isokinetic rate (%)	Concentration	Emission rate	Concentration Limit	Compliant with Limit
Total VOCs as n-Propane	N/A	6.01 mg/m^3	0.0057 g/s	20 mg/m^3	✓
Odour	N/A	395 OU	378.36 OU.m^3/s	N/A	N/A

Table 4-8: Results for the Regenerative Thermal Oxidiser (RTO) Stack

Parameter	Unit	Result	POEO (Clean Air) Regulation 2010 Limit	Complaint with POEO Clean Air Regulation Limits
Temperature	°C	203	-	-
Carbon dioxide	%	0	-	-
Carbon monoxide	mg/m^3	0	-	-
Oxygen	%	21	-	-
Molecular weight dry	g/gmol	28.84	-	-
Velocity at sampling plane	m/s	11.07	-	-
Volumetric flow rate (actual)	m^3/s	5.42	-	-
Volumetric flow rate (dry, STP)	Nm^3/s	3.1	-	-
Nitrogen Oxide	mg/m^3	0.59	350	yes
Total VOCs as n-Propane	mg/m^3	0.41	20	yes
Total VOCs as n-Propane Emission Rate	g/s	0.001	-	-
Moisture	%	0.07	-	-
Odour	OU	362	-	-
Odour Emission Rate	OU.m^3/s	1,139	-	-

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M2 2023 MONITORING PERIOD – OBTAINED ON 19/09/2023

Sampled on 19/09/2023. Total Volatile Organic Compounds concentrations at EPL Point 3, Deco Stack & Regenerative Thermal Oxidiser were <0.33 mg/m^3, <0.035 mg/m^3 and 0 mg/m^3 respectively.

Odour concentrations for EPL Point 3, Deco Stack & Regenerative Thermal Oxidiser were 128 OU, 23 OU and 152 OU respectively.

Table 4-3: Results for EPL Point 3

Pollutant	Isokinetic rate (%)	Concentration	Emission rate	Concentration Limit	Compliant with Limit
Total VOCs as n-Propane	N/A	< 0.033 mg/m^3	< 0.00035 g/s	20 mg/m^3	✓
Odour	N/A	128 OU	1,387 OU.m^3/s	N/A	N/A

Measured VOCs were below laboratory detection limits

Table 4-6: Results for the Deco Stack

Pollutant	Isokinetic rate (%)	Concentration	Emission rate	Concentration Limit	Compliant with Limit
Total VOCs as n-Propane	N/A	< 0.035 mg/m^3	< 0.000036 g/s	20 mg/m^3	✓
Odour	N/A	23 OU	24.36 OU.m^3/s	N/A	N/A

Measured VOCs were below laboratory detection limits

Table 4-8: Results for the Regenerative Thermal Oxidiser (RTO) Stack

Parameter	Unit	Result	POEO (Clean Air) Regulation 2010 Limit	Complaint with POEO Clean Air Regulation Limits
Temperature	°C	208	-	-
Carbon dioxide	%	1.19	-	-
Carbon monoxide	mg/m^3	3	-	-
Oxygen	%	18.9	-	-
Molecular weight dry	g/gmol	28.84	-	-
Velocity at sampling plane	m/s	10	-	-
Volumetric flow rate (actual)	m^3/s	4.9	-	-
Volumetric flow rate (dry, STP)	Nm^3/s	2.77	-	-
Nitrogen Oxide	mg/m^3	34.23	350	yes
Total VOCs as n-Propane	mg/m^3	0	20	yes
Total VOCs as n-Propane Emission Rate	g/s	0	-	-
Moisture	%	0.17	-	-
Odour	OU	152	-	-
Odour Emission Rate	OU.m^3/s	422	-	-

M2 2022 MONITORING PERIOD

Deco Stack and EPL Point 3 data sampled on 18/10/2022 and obtained on 01/11/2022. Regenerative Thermal Oxidiser data sampled on obtained on 16/02/2022.

Total Volatile Organic Compounds concentrations at EPL Point 3, Deco Stack & Regenerative Thermal Oxidiser were 0.04 mg/m^3, 0.007 mg/m^3 and 0.73 mg/m^3 respectively.

Odour concentrations for EPL Point 3 & Deco Stack were 152 OU, 512 OU respectively.

Table 4-3: Results for EPL Point 3 - VOC

Run ID	Total VOCs as n-propane (mg/m^3)	Emission rate (g/s)	Concentration Limit	Compliant with Limit
Run 1a	5.62	0.05	20 mg/m^3	✔
Run 1b	4.41	0.04		✔
Run 1 Average	5.0	0.04		✔
Run 1 – Spiked	7.55	0.07		NA
Run 1 Recovery	1.0	-	0.70<R<1.3	✔
Run 2a	4.96	0.04	20 mg/m^3	✔
Run 2b	4.47	0.04		✔
Run 2 Average	4.7	0.04		✔
Run 2 - Spiked	7.4	0.06		NA
Run 2 Recovery	0.7	-	0.70<R<1.3	✔
Run 3a	3.25	0.03	20 mg/m^3	✔
Run 3b	4.41	0.04		✔
Run 3 Average	3.8	0.03		✔
Run 3 - Spiked	3.38	0.03		NA
Run 3 Recovery	0.9	-	0.70<R<1.3	✔
Total Average	4.5	0.04	20 mg/m^3	✔

Table 4-4 shows the odour concentration and emission rate results from testing

Table 4-4: Results for EPL Point 3 - Odour

Parameter	Run Start & Finish Time	Odour Concentration (OU)	Odour Emission rate (OU/Nm^3)
Odour	11:33 – 11:43	152	1,318

Table 4-7: Results for Deco Stack - VOC

Run ID	Total VOCs as n-propane (mg/m^3)	Emission rate (g/s)	Concentration Limit	Compliant with Limit
Run 1a	7.13	0.008	20 mg/m^3	✓
Run 1b	5.95	0.007		✓
Run 1 Average	6.5	0.007		✓
Run 1 – Spiked	7.51	0.008		NA
Run 1 Recovery	0.9	-	0.70<R<1.3	✓
Run 2a	8.35	0.009	20 mg/m^3	✓
Run 2b	6.94	0.008		✓
Run 2 Average	7.6	0.008		✓
Run 2 - Spiked	6.74	0.008		NA
Run 2 Recovery	0.9	-	0.70<R<1.3	✓
Run 3a	5.46	0.006	20 mg/m^3	✓
Run 3b	7.59	0.009		✓
Run 3 Average	6.5	0.007		✓
Run 3 - Spiked	6.64	0.007		NA
Run 3 Recovery	1.0	-	0.70<R<1.3	✓
Total Average	6.9	0.007	20 mg/m^3	✓

Table 4-8: Results for EPL Point 3 - Odour

Parameter	Run Start & Finish Time	Odour Concentration (OU)	Odour Emission rate (OU/Nm^3)
Odour	13:20 – 13:30	512	585.7

Table 4-2: Results for the Regenerative Thermal Oxidiser (RTO) Stack

Parameter	Unit	Result	POEO (Clean Air) Regulation 2010 Limit
Temperature	°C	197.2	-
Carbon dioxide	%	0.99	-
Carbon monoxide	mg/m³	1.8	-
Oxygen	%	19.1	-
Molecular weight dry	g/gmol	28.92	-
Velocity at sampling plane	m/s	8.25	-
Volumetric flow rate	m³/s	4.05	-
Volumetric flow rate (dry, STP)	Nm³/s	2.38	-
Nitrogen Oxide	mg/m³	33.7	350
Total VOCs as n-Propane	mg/m³	0.73	20
Total VOCs as n-Propane Emission Rate	g/s	0.0017	-

M7 Noise Monitoring Summary

The nearest residential receiver to the site is approximately 165 to 166m from site to the North-West.

Total noise levels measured at this location are not necessarily due to the Jamestrong site activities. In order to mathematically remove some noise that may be emanating from the surrounding areas, a simulated noise distance attenuation formula was used to calculate the noise levels at each receiver from Jamestrong's operations. The noise attenuation calculation results, expressed as SPL(x), were based on the distance of each receiver from Jamestrong's most noise affected area.

The formula for distance attenuation noise calculations used in this report is shown below.

Distance attenuation SPL_2:

$$SPL(x)_2 = SPL_1 - 10 \text{ Log} \left(\frac{R_2^2}{R_1^2} \right)$$

Where SPL_1 = sound pressure level at point 1
SPL_2 = sound pressure level at point 2
R_1 = distance from sound source to point 1
R_2 = distance from sound source to point 2
x = distance from SPL_1 to SPL_2 to in metres

This calculated value is then compared to the limit to determine compliance.

The below Table 2-1 defines terms which are also used in the noise sampling data.

Table 2-1: Noise assessment terminology

Term	Definition
L_A	A-weighted root mean squared (RMS) noise level
L_{A90}	Noise level exceeded for 90% of the time; approximately average of the minimum noise cycles; often referred to as the 'background' noise level and commonly used to determine noise criteria for assessment purposes
L_{MIN}	Minimum noise level recorded during a measurement period
L_{MAX}	Maximum noise level recorded during a measurement period
L_{Aeq}	Average noise energy during a measurement period
dB(A)	Noise level measurement in unit decibels; A-weighting scale is used to describe human response to noise
SPL	The Sound Pressure Level (SPL) from a source. It can be used in distance attenuation calculations to determine noise emission values at intermediate distances.

M7 2025 MONITORING PERIOD – OBTAINED ON 11/09/2025

Sampled on 08/09/2025 and 09/09/2025. The calculated values for Daytime, Evening, and Night noise values were 37.8 dB, 32.3 dB, and 37.9 dB respectively which are below the limit of 40dB.

4.1 Daytime Sampling

Table 4-2 shows the noise results at Jamestrong and the closest receiver during the daytime period.

Table 4-2: L_{Aeq}, L_{A90} and attenuation (SPL_{165}) results for Daytime monitoring

Monitoring Station	Date	Time	L_{Aeq} dB(A)	L_{A90} dB(A)	$SPL_{(165)}$ dB(A)	Limit dB(A)
Nearest Residential Receiver	08/09/2025	16:56 – 17:11	53.5	46.1	37.8	40
Jamestrong		16:37 – 16:52	53.3	52.3	-	-

*Results reflect the total noise measured at the location, which potentially includes noise sources external to Jamestrong operations.

4.2 Evening Sampling

Table 4-3 shows the noise results at Jamestrong and the closest receiver during the evening period.

Table 4-3: L_{Aeq}, L_{A90} and attenuation (SPL_{165}) results for Evening monitoring

Monitoring Station	Date	Time	L_{Aeq} dB(A)	L_{A90} dB(A)	$SPL_{(165)}$ dB(A)	Limit dB(A)
Nearest Residential Receiver	08/09/2025	19:05 – 19:20	41.9	40.5	32.3	40
Jamestrong		18:45 – 19:00	47.8	47.2	-	-

*Results reflect the total noise measured at the location, which potentially includes noise sources external to Jamestrong operations.

4.3 Night Sampling

Table 4-4 shows the noise results at Jamestrong and the closest receiver during the night period.

Table 4-4: L_{Aeq}, L_{A90} and attenuation (SPL_{165}) results for Night-time monitoring

Monitoring Station	Date	Time	L_{Aeq} dB(A)	L_{A90} dB(A)	$SPL_{(165)}$ dB(A)	Limit dB(A)
Nearest Residential Receiver	09/09/2025	6:33 – 6:48	46.7	43.2	37.9	40
Jamestrong		6:15 – 6:20	53.4	52.1	-	-

*Results reflect the total noise measured at the location, which potentially includes noise sources external to Jamestrong operations.

M7 2024 MONITORING PERIOD – OBTAINED ON 05/11/2024

Sampled on 29/10/2024. The calculated values for Daytime, Evening, and Night noise values were 37.7 dB, 37.8 dB, and 37 dB respectively which are below the limit of 40dB.

4.1 Daytime Sampling

Table 4-2 shows the noise results at Jamestrong and the closest receiver during the daytime period.

Table 4-2: L_{Aeq}, L_{A90} and attenuation (SPL_{165}) results for Daytime monitoring

Monitoring Station	Date	Time	L_{Aeq} dB(A)	L_{A90} dB(A)	$SPL_{(165)}$ dB(A)	Limit dB(A)
Nearest Residential Receiver	29/10/2024	9:15 – 9:30	48.2	45.4	-	40
Jamestrong		8:55 – 9:11	53.2	51.8	37.7	-

*Results reflect the total noise measured at the location, which potentially includes noise sources external to Jamestrong operations.

4.2 Evening Sampling

Table 4-3 shows the noise results at Jamestrong and the closest receiver during the evening period.

Table 4-3: L_{Aeq}, L_{A90} and attenuation (SPL_{165}) results for Evening monitoring

Monitoring Station	Date	Time	L_{Aeq} dB(A)	L_{A90} dB(A)	$SPL_{(165)}$ dB(A)	Limit dB(A)
Nearest Residential Receiver	29/10/2024	18:18 – 18:33	45.9	45.1	-	40
Jamestrong		18:00 – 18:15	53.3	51.8	37.8	-

*Results reflect the total noise measured at the location, which potentially includes noise sources external to Jamestrong operations.

4.3 Night Sampling

Table 4-4 shows the noise results at Jamestrong and the closest receiver during the night period.

Table 4-4: L_{Aeq}, L_{A90} and attenuation (SPL_{165}) results for Night-time monitoring

Monitoring Station	Date	Time	L_{Aeq} dB(A)	L_{A90} dB(A)	$SPL_{(165)}$ dB(A)	Limit dB(A)
Nearest Residential Receiver	29/10/2024	22:18 – 22:33	45	44.6	-	40
Jamestrong		22:00 – 22:15	52.5	51.7	37	-

*Results reflect the total noise measured at the location, which potentially includes noise sources external to Jamestrong operations.

M7 2023 MONITORING PERIOD – OBTAINED ON 05/10/2023

Sampled on 18/09/2023 and 19/09/2023. The calculated values for Daytime, Evening, and Night noise values were 35.9 dB, 41 dB, and 35.9 dB respectively. The sampled Daytime and Night noise values are within the limit of 40dB but the noise value for the Evening sample is over the limit of 40 dB.

5.1 Daytime Sampling

Table 5-2 shows the noise results at Jamestrong and the closest receiver during the daytime period.

Table 5-2: L_{Aeq}, L_{A90} and attenuation (SPL_{165}) results for Daytime monitoring

Monitoring Station	Date	Time	L_{Aeq} dB(A)	L_{A90} dB(A)	$SPL_{(165)}$ dB(A)	Limit dB(A)
Nearest Residential Receiver	19/09/2023	7:09 – 7:24	Calculation based on Jamestrong Boundary measurement		35.9	40
80m from Nearest Residential Receiver**		7:27 – 7:42	46.5	41.5	-	-
Jamestrong Boundary		7:09 – 7:24	52.3	49.1	-	-

*Results reflect the total noise measured at the location, which potentially includes noise sources external to Jamestrong operations. **Effected by road noise.

5.2 Evening Sampling

Table 5-3 shows the noise results at Jamestrong and the closest receiver during the evening period.

Table 5-3: L_{Aeq}, L_{A90} and attenuation (SPL_{165}) results for Evening monitoring

Monitoring Station	Date	Time	L_{Aeq} dB(A)	L_{A90} dB(A)	$SPL_{(165)}$ dB(A)	Limit dB(A)
Nearest Residential Receiver	18/09/2023	18:01 – 18:16	Calculation based on Jamestrong Boundary measurement		41	40
80m from Nearest Residential Receiver**		18:18 – 18:33	52.1	44.3		
Jamestrong Boundary		18:01 – 18:16	57.4	48.1	-	-

*Results reflect the total noise measured at the location, which potentially includes noise sources external to Jamestrong operations. **Effected by road noise.

5.3 Night Sampling

Table 5-4 shows the noise results at Jamestrong and the closest receiver during the night period.

Table 5-4: L_{Aeq}, L_{A90} and attenuation (SPL_{140}) results for Night-time monitoring

Monitoring Station	Date	Time	L_{Aeq} dB(A)	L_{A90} dB(A)	$SPL_{(165)}$ dB(A)	Limit dB(A)
Nearest Residential Receiver	19/09/2023	6:11 – 6:26	Calculation based on Jamestrong Boundary measurement		35.9	40
80m from Nearest Residential Receiver**		6:28 – 6:43	53.6	43.7	-	-
Jamestrong Boundary		6:11 – 6:26	52.3	50	-	-

*Results reflect the total noise measured at the location, which potentially includes noise sources external to Jamestrong operations. **Effected by road noise.

Modifying factor corrections were not required as per Fact Sheet C of the Noise Policy for Industry (EPA, 2017).

M7 2022 MONITORING PERIOD – OBTAINED ON 25/10/2022

Sampled on 17/10/2022. The calculated values for Daytime, Evening, and Night noise values were 36.7 dB, 36.6 dB, and 34 dB respectively which are below the limit of 40dB.

4.1 Daytime Sampling

Table 4-2 shows the noise results at Jamestrong and the closest receiver during the daytime period.

Table 4-2: L_{Aeq}, L_{A90} and attenuation (SPL_{165}) results for Daytime monitoring

Monitoring Station	Date	Time	L_{Aeq} dB(A)	L_{A90} dB(A)	$SPL_{(165)}$ dB(A)	Limit dB(A)
Nearest Residential Receiver	17/10/2022	13:16 – 13:31	51.7	43	36.7	40
Jamestrong		13:58 – 14:13	53.1	51	-	-

*Results reflect the total noise measured at the location, which potentially includes noise sources external to Jamestrong operations.

4.2 Evening Sampling

Table 4-3 shows the noise results at Jamestrong and the closest receiver during the evening period.

Table 4-3: L_{Aeq}, L_{A90} and attenuation (SPL_{165}) results for Evening monitoring

Monitoring Station	Date	Time	L_{Aeq} dB(A)	L_{A90} dB(A)	$SPL_{(165)}$ dB(A)	Limit dB(A)
Nearest Residential Receiver	17/10/2022	18:18 – 18:33	44.5	40.4	36.6	40
Jamestrong		18:00 – 18:15	53	51.9	-	-

*Results reflect the total noise measured at the location, which potentially includes noise sources external to Jamestrong operations.

4.3 Night Sampling

Table 4-4 shows the noise results at Jamestrong and the closest receiver during the night period.

Table 4-4: L_{Aeq}, L_{A90} and attenuation (SPL_{165}) results for Night-time monitoring

Monitoring Station	Date	Time	L_{Aeq} dB(A)	L_{A90} dB(A)	$SPL_{(165)}$ dB(A)	Limit dB(A)
Nearest Residential Receiver	17/10/2022	22:18 – 22:33	38.8	37.7	34	40
Jamestrong		22:00 – 22:15	50.4	49.9	-	-

*Results reflect the total noise measured at the location, which potentially includes noise sources external to Jamestrong operations.

Summary of Results

Latest testing for emission compliance was obtained on 24/09/2025 for EPL Point 3, Deco Stack & Regenerative Thermal Oxidiser.

The concentration of all analytes in 2022, 2023, 2024, and 2025 were compliant with the prescribed emission concentration limits.

Latest testing for noise compliance was obtained on 11/09/2025 for the nearest residential receiver.

The sampled decibel sound levels in 2022, 2024, and 2025 were compliant with the prescribed decibel limits.