



RUM JUNGLE MEAT EXPORTS PTY LTD

ANNUAL ENVIRONMENTAL REPORT FOR THE 2024 - 2025 LICENSING PERIOD.

Environmental Licence EPL282



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Revision	Date	Prepared By	Reviewed By
Rev 1	17/11/2025	Anthony Doyle Environmental Officer	Colin Reidy Group Compliance Manager

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EXECUTIVE SUMMARY

Rum Jungle Meat Exports abattoir facility is coming close to completing a largely successful 2025 production season. Following a nearly four-month wet season shutdown, the plant restarted this year on 31st of March and has been consistently processing five days a week. We plan to enter a shutdown period for the second half of December, until processing can be restarted in the new year.

The facility has successfully slaughtered and processed up to 800 head/week of Cattle, Buffalo and Camels when operating at full capacity, totalling ~ 25,000 head of livestock for the review period.

The facilities low temperature rendering plant has operated effectively of the review period, processing heads, horns, hoofs, bone, fat and blood to produce tallow and meat meal products.

As per our Environmental Management Plan (EMP), wastewater generated by the operation has been subject to primary treatment to remove solids, oil and grease prior to entering wastewater treatment ponds for biological treatment to a standard suitable for reuse as washdown water. Solid wastes, including manure, paunch and sludge, have been removed off-site for composting or disposal.

Compliance with our EMP and EPL282 has been good. A dedicated Environmental Compliance Officer was hired in 2024. This addition to the team allowed for more frequent monitoring and ensured compliance with EPL282 throughout the season. No environmental incidents or complaints received during the review period.

In summary, although a delayed start, the year has been a great success. The company continues to grow and strengthen both its domestic and export relationships, further cementing our position in the coming years. Overall environmental performance has been more than acceptable.

Field and lab testing of wastewater, groundwater and surface water has been a success, particularly following the training of new environmental monitoring staff. No adverse impact to the local environment has been noted, and we will continue to maintain this through ongoing commitment to our EMP and obligations.

MONITORING OBJECTIVES

As part of our commitment to maintaining our environmental objectives laid out in our EMP, the following list summarises the monitoring objectives used to ensure our compliance with our EPL.

MAINTENANCE OF THE EMP MONITORING PLAN

The EMP must be adhered to at all times. Changes or variations in the EMP must be justified and follow the process for review and documentation as mentioned in the EMP. This includes notification to the EPA of any proposed changes ahead of time. Annual review of the EMP as part of the Annual Reporting process

ACCURATE AND EFFECTIVE DATA COLLECTION

Collection of both samples and data must be undertaken in a manner that ensures the EMP is adhered to at all times. People involved in the process must be adequately trained and competent in the required tasks. Clear chain of custody and correct documentation will ensure the data collected is timely and accurate allowing for ease of validation and adequate response to the information as needed.

EFFECTIVE COMMUNICATION

All parties mentioned in the EMP must be communicated with in both an effective and timely manner. This includes all 3rd party stakeholders as well as internal stakeholders.

MONITORING METHODS

For simplicity, please refer to the Environmental Management Plan – Batchelor Abattoir (Rev 2) 8th October 2019

MONITORING RESULTS - DATA

FIELD DATA

WASTEWATER 1

Date	pH	Temp (*C)	EC (us/cm)	TDS (mg/L)
Limits	6.5-8.5	20-37	<3000	<1800
10.12.2024	6.9	29.4	1905	1210
17.1.2025	6.6	31.6	1228	1380
24.2.2025	7.4	32.5	1130	1420
12.3.2025	7.0	29.4	1740	1320
3.4.2025	7.7	33.0	1253	1090
1.5.2025	7.5	29.7	1746	984
30.6.2025	6.7	25.1	1573	1020
30.7.2025	7.8	27.8	2480	1160
21.8.2025	7.1	31.4	1953	1040
29.9.2025	7.2	35.9	2330	1200
14.10.2025	7.8	34.0	2840	1470
3.11.2025	7.5	36.3	2950	1320

WASTEWATER 2 & WASTEWATER 3

Date	pH	Temp (*C)	EC (us/cm)	TDS (mg/L)
Limits	6.5-8.5	20-37	<3000	<1800
NO REQUIREMENT TO MONITOR				

WASTEWATER 4

Date	pH	Temp (*C)	EC (us/cm)	TDS (mg/L)
Limits	6.5-8.5	20-37	<3000	<1800
10.12.2024	8.0	31.2	2490	1040
17.1.2025	7.2	30.7	1632	1100
24.2.2025	7.6	33.4	625	1320
12.3.2025	7.9	29.8	989	1050
3.4.2025	7.5	30.6	410	946
1.5.2025	7.1	28.3	2160	715
30.6.2025	8.2	24.6	1943	839
30.7.2025	7.7	26.2	1476	1010
21.8.2025	7.6	30.4	1877	753
29.9.2025	8.0	32.9	2540	804
14.10.2025	7.2	31.8	2290	920
3.11.2025	8.1	35.5	2870	1220

SURFACE WATER 1

Date	pH	Temp	EC	DO (mg/L)	TDS
Limits	7.0-8.2	19-30	150-500	<15.0	<300
10.12.2024	7.4	26.8	270	9.4	160
17.1.2025	7.8	25.4	345	12.0	153
24.2.2025	7.5	27.0	209	9.9	198
12.3.2025	8.0	25.9	303	10.6	172
3.11.2025	7.8	24.7	194	11.3	204

SURFACE WATER 2

Date	pH	Temp	EC	DO (mg/L)	TDS
Limits	7.0-8.2	19-30	150-500	<15.0	<300
10.12.2024	7.6	25.8	380	9.4	221
17.1.2025	7.2	27.3	341	11.8	253
24.2.2025	7.4	26.1	315	9.9	260
12.3.2025	7.9	26.6	309	8.1	195
3.11.2025	7.8	24.6	296	10.8	211

SURFACE WATER 3

Date	pH	Temp	EC	DO (mg/L)	TDS
Limits	6.0-8.0	19-30	90-200	<15.0	<300
10.12.2024	6.6	26.4	102	8.9	68
17.1.2025	7.2	27.0	141	8.6	94
24.2.2025	6.3	26.6	95	8.1	71
12.3.2025	6.8	26.2	90	10.5	88
3.11.2025	7.0	25.5	112	9.2	105

GROUND WATER 1

Date	pH	ORP (mV)	EC	DO (mg/L)	TDS
Limits	6.2-8.0	<275	<400	<15.0	<300
10.12.2024	7.5	192	305	14.2	280
17.1.2025	6.9	234	294	11.1	215
24.2.2025	7.1	207	278	9.5	286
12.3.2025	7.3	246	264	12.3	210
3.4.2025	7.3	192	281	11.4	242
1.5.2025	7.6	204	315	10.9	230
30.6.2025	7.2	178	298	12.2	184
30.7.2025	7.4	191	340	8.4	216
21.8.2025	7.0	238	301	9.7	229
29.9.2025	7.5	157	265	9.2	190
14.10.2025	7.1	209	292	10.9	207
3.11.2025	7.8	184	310	9.5	221

GROUND WATER 2

Date	pH	ORP (mV)	EC	DO (mg/L)	TDS
Limits	6.2-8.0	<275	<400	<15.0	<300
3.4.2025	7.6	140	290	10.1	108
1.5.2025	7.1	212	159	7.9	98
30.6.2025	7.4	160	207	10.8	113
30.7.2025	7.4	151	188	10.3	104
21.8.2025	7.0	198	264	8.6	115
29.9.2025	6.9	94	271	11.7	95
14.10.2025	7.4	169	150	8.1	109
3.11.2025	7.5	109	162	10.2	111

LABORATORY RESULTS

WASTEWATER 1

Date	E. Coli	Entero	Alkalinity	Nox_N	NH3_N	Total N	Total P	Cl	Ca	Mg	Na	K	BOD	COD	VFA
Limits	>1500	>2419	<1000	<0.400	<235	<330							<8000	<9500	
1.5.2025	42000	61000	476	<0.01	86.8	86.8	17.9	-	-	-	-	-	28	167	79
19.5.2025	48000	14000	845	<0.01	151	151	16.1	94	22	20	102	45	-	-	-
30.7.2025	13000	4400	1080	<0.01	224	224	21.1	107	21	19	112	58	-	-	-
3.11.2025	700000	1100000	1510	0.01	306	306	27.0	135	15	19	158	81	-	-	-

WASTEWATER 3

Date	E. Coli	Entero	Alkalinity	Nox_N	NH3_N	Total N	Total P	Cl	Ca	Mg	Na	K
Limits	>1500	>2419	<1000	<0.400	<235	<330						
30.6.2025	41000	36000	1060	0.09	213	213	24.5	104	13	18	123	58
29.9.2025	23000	21000	1370	<0.01	310	310	35.1	172	23	20	156	82

WASTEWATER 4

Date	E. Coli	Entero	Alkalinity	Nox_N	NH3_N	Total N	Total P	Cl	Ca	Mg	Na	K
Limits	>1500	>2419	<1000	<0.400	<235	<330						
10.12.2024	18000	6900	747	<0.01	167	167	18.7	314	24	21	219	50
24.2.2025	15	20	142	0.05	20.9	21.0	9.05	38	7	5	50	14
3.4.2025	<1	2	142	1.20	0.3	1.5	0.11	15	25	22	7	1
3.11.2025	15000	7000	1290	0.03	257	257	25.8	137	18	19	154	81

SURFACE WATER 1

Date	E.Coli	Entero	EC	Nox_N	NH3_N	Total N	Total P
10.12.2024	590	510	302	0.07	0.2	0.3	<0.01
24.2.2025	620	150	82	2.78	0.5	3.3	<0.01
1.5.2025	520	290	-	0.10	0.3	0.4	<0.01
3.11.2025	940	870	180	0.10	0.6	0.7	0.03

SURFACE WATER 2

Date	E.Coli	Entero	EC	Nox_N	NH3_N	Total N	Total P
10.12.2024	820	490	283	0.08	0.3	0.4	0.05
24.2.2025	410	760	131	0.12	0.5	0.6	0.10
1.5.2025	710	330	-	0.14	0.4	0.5	0.02
3.11.2025	1400	1500	289	0.09	0.5	0.6	0.04

SURFACE WATER 3

Date	E.Coli	Entero	EC	Nox_N	NH3_N	Total N	Total P
10.12.2024	270	470	73	0.06	0.4	0.5	<0.01
24.2.2025	15	110	86	0.15	0.2	0.4	<0.01
1.5.2025	700	70	-	0.10	0.4	0.5	0.03
3.11.2025	760	100	69	0.01	1.1	1.1	0.05

GROUND WATER 1

Date	E. Coli	Entero	Alkalinity	Nox_N	Cl	NH3_N	Total N	Total P	Ca	K	Mg	SO4
Limits	<2	<5	<150	<1.300	<20	<0.10	<1.1	<1.0	<30.0	<1	<20.0	<2.5
10.12.2024	<1	<1	142	1.05	12	<0.1	1.0	0.02	24	<1	20	2
3.4.2025	<1	-	145	0.95	12	0.3	1.2	<0.01	24	1	22	2
3.11.2025	<1	<1	147	0.96	15	0.2	1.2	<0.01	19	<1	19	3

GROUND WATER 2

Date	E. Coli	Entero	Alkalinity	Nox_N	Cl	NH3_N	Total N	Total P	Ca	K	Mg	SO4
Limits	<13	<55	<75	<1.300	<3	<0.02	<1.10	<0.30	<10.1	<1	<10.1	<1
3.11.2025	<1	<1	74	0.85	2	0.2	1.0	0.18	12	<1	9	<1

Compliance with the EMP sampling program was achieved for this reporting period. Both field and laboratory testing returned satisfactory results.

The sampling frequency for this year was slightly reduced, whilst still allowing sufficient control of the monitoring and management to take place. These changes in the sampling frequency were recommended during 2024 Environmental Audit, as the previous schedule was deemed “excessive”. Field testing continued to take place on a monthly basis, with laboratory testing to occur four times per year during operating periods.

Collection of samples has improved greatly. Operator competency has been very good, with no issues with access to the sampling areas or sampling techniques noticed during the review period. Sample identification has been accurate, and the results show clearly that samples have not been mixed or misidentified.

Equipment for on-site testing has been maintained in good condition and calibrated with no issued documented. The operators are well trained in the use of the equipment and training records have been maintained. Calibration records are available and have been kept current for all relevant testing equipment.

We can comfortably report no concerns with the testing laboratory this season. Reporting, turnaround times and accuracy has been well within expectations. This will continue to be monitored going forward as incorrect results – either through mislabelling or poor presentation to the lab, will have a negative impact on the data collection process.

Collation of the data collected both via onsite field samples and laboratory testing is up to date and well managed. The data is clearly presented and recorded in a concise fashion. Copies have been both on and offsite for back up and continuity reasons. The addition of an on-site Compliance Officer has been a big step forward in ensuring data is up to date and maintained to the highest level.

On site odour monitoring has been conducted with emphasis on the impact of odours to the neighbouring community. There have been no reported odour, noise or emission complaints during the review period. We continue to look at this as a positive sign and look forward to yet another successful season in 2026.

This season the focus shifted to monitoring and maintaining, based on the work and data collected in the preceding seasons' baseline testing.

Starting with the wastewater samples, both the field and laboratory results show no negative trends or increases. Although a slight increase in alkalinity was noted, the results in general (including readings for Total N and Total P) were deemed satisfactory and well within the acceptable range.

Surface water and groundwater monitoring returned comparable outcomes. Some parameters exhibited minor fluctuation across the review period, which is not uncommon in dynamic environmental systems. Importantly, these variations remained within a narrow range and showed no sustained negative trends or movement toward threshold limits.

Occasional results fell outside expected ranges; however, when assessed against the broader trend data, these were identified as incidental outliers rather than indicators of systemic change. All trigger level exceedances recorded were classified as minor, with negligible detrimental impact on the surrounding environment. This conclusion is supported by subsequent follow-up sampling, which consistently returned to values within normal ranges, reinforcing the interpretation that these events were isolated in nature.

The volume and consistency of data collected this season has been sufficient to establish a reliable set of reference points, providing a strong foundation for environmental performance monitoring throughout the next licence period.

Seasonal monitoring data collected over the current licence period has provided a strong indication of ongoing environmental performance. Analysis confirms that this year's production activities have had no measurable negative impact on the local environment, consistent with our company's operational objectives and environmental commitments. The five-year dataset accumulated across this licence will serve as a robust baseline for environmental comparison and benchmarking throughout the upcoming licence period.

Consistent with previous years, data collected this season will be used to further refine and review the existing Environmental Management Plan (EMP). The EMP continues to be a valuable operational tool, providing a structured framework for identifying risks, guiding best-practice decision-making, and ensuring our activities remain environmentally responsible into the future. Ongoing refinement of the EMP reflects our commitment to continuous improvement and the long-term sustainability of our operations.

The following actions have been agreed upon for the coming period:

1. Review and comprehensive assessment of the full dataset covering a complete calendar year — targeted for completion by March 2026.
2. Annual review and update of the EMP, to be completed prior to restarting production or by May 2026, whichever comes first.

CERTIFICATION

I, Colin Reidy (Group Compliance Manager), have reviewed this report and I confirm that to the best of my knowledge and ability all the information provided in the report is true and accurate.

Signed:

A handwritten signature in blue ink, consisting of a large, sweeping loop followed by a smaller, more intricate flourish.

Dated: 17/11/2025