ENVIRONMENTAL MONITORING REPORT
JBS YAMBINYA FEEDLOT

Environment Protection Licence Summary	
Licence (EPL) Number:	**5245**
Licensee's Name:	**JBS Australia Pty Limited**
Premises Address:	**Yambinya Station, Jimaringle Road, Burraboi NSW 2732**
Reporting Year:	**02 January 2023 – 01 January 2024**

EPA Monitoring Requirements – JBS Yambinya

Point 7			
Pollutant	**Units of Measure**	**Frequency**	**Sampling Method**
Chloride	mg/kg	Yearly during discharge	Special Method 1
Conductivity	deciSiemens/M	Yearly during discharge	Special Method 1
Exchangeable Calcium	centimoles of positive charge per Kg of soil	Yearly during discharge	Special Method 1
Exchangeable Magnesium	centimoles of positive charge/Kg of soil	Yearly during discharge	Special Method 1
Exchangeable Potassium	centimoles of positive charge/Kg of soil	Yearly during discharge	Special Method 1
Exchangeable Sodium	centimoles of positive charge per Kg of soil	Yearly during discharge	Special Method 1
Exchangeable Sodium Percentage	%	Yearly during discharge	Special Method 1
pH	pH	Yearly during discharge	Special Method 1
Phosphorus (total)	mg/kg	Yearly during discharge	Special Method 1
Phosphorus Sorption Capacity	mg/kg	3 years	Special Method 1
TKN-N	%	Yearly during discharge	Special Method 1
Total organic carbon	Percent	3 years	Special Method 1

Note: The monitoring frequency includes the term "during discharge". This means monitoring of bores and effluent reuse area is only required when premises are operational.

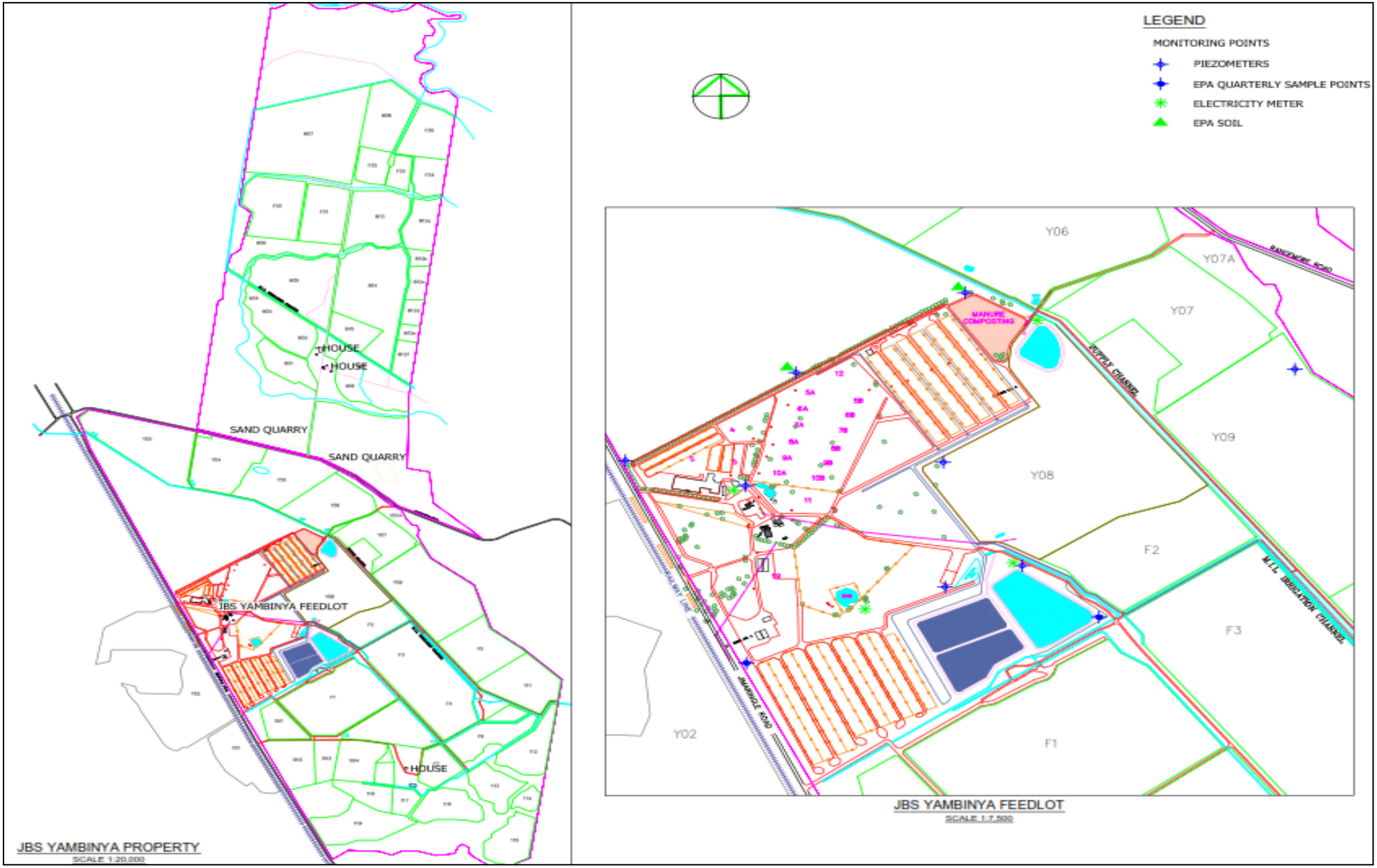
Point 8			
Pollutant	**Units of Measure**	**Frequency**	**Sampling Method**
Conductivity	deciSiemens per metre	Quarterly during discharge	Representative sample
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Quarterly during discharge	Representative sample
pH	pH	Quarterly during discharge	Representative sample
Phosphorus (total)	milligrams per litre	Quarterly during discharge	Representative sample
Standing Water level	metres	Quarterly during discharge	Inspection
TKN-N	milligrams per litre	Quarterly during discharge	Representative sample

Point 9			
Pollutant	**Units of Measure**	**Frequency**	**Sampling Method**
Conductivity	deciSiemens per metre	Quarterly during discharge	Representative sample
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Quarterly during discharge	Representative sample
pH	pH	Quarterly during discharge	Representative sample
Phosphorus (total)	milligrams per litre	Quarterly during discharge	Representative sample
Standing Water level	metres	Quarterly during discharge	Inspection
TKN-N	milligrams per litre	Quarterly during discharge	Representative sample

Point 10			
Pollutant	**Units of Measure**	**Frequency**	**Sampling Method**
Conductivity	deciSiemens per metre	Quarterly during discharge	Representative sample
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Quarterly during discharge	Representative sample
pH	pH	Quarterly during discharge	Representative sample
Phosphorus (total)	milligrams per litre	Quarterly during discharge	Representative sample
Standing Water level	metres	Quarterly during discharge	Inspection
TKN-N	milligrams per litre	Quarterly during discharge	Representative sample

Point 11			
Pollutant	**Units of Measure**	**Frequency**	**Sampling Method**
Conductivity	deciSiemens per metre	Quarterly during discharge	Representative sample
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Quarterly during discharge	Representative sample
pH	pH	Quarterly during discharge	Representative sample
Phosphorus (total)	milligrams per litre	Quarterly during discharge	Representative sample
Standing Water level	metres	Quarterly during discharge	Inspection
TKN-N	milligrams per litre	Quarterly during discharge	Representative sample

JBS Yambinya – Environmental Monitoring Points



JBS Yambinya - Monitoring Results

Type: Groundwater Monitoring

Frequency: Quarterly during discharge

					Pollutants					
EPA Licence Location	JBS Sampling Location	Monitoring Frequency	Date of Sampling	Sampled By	Conductivity (µS/cm)	Nitrate + Nitrite (oxidised nitrogen) (mg/L)	pH	Phosphorus Total (mg/L)	Standing Water Level (m)	TKN-N (mg/L)
EPA 8	Bore No. 1	Quarterly	6/03/2023	A. Fisher					Bore Dry	
			26/04/2023	A. Fisher	25000	1.1	6.6	0.09	4	0.68
			6/09/2023	A. Fisher	44000	1.1	6.6	0.087	4	0.16
			1/12/2023	A. Fisher					No Access to Bore	
EPA 9	Bore No. 2	Quarterly	6/03/2023	A. Fisher	1400	0.012	7.1	0.4	4	2.3
			26/04/2023	A. Fisher	1300	0.13	7.1	0.091	4	0.52
			6/09/2023	A. Fisher	1100	0.82	7.1	0.081	4	0.29
			1/12/2023	A. Fisher					No Access to Bore	
EPA 10	Bore No. 3	Quarterly	6/03/2023	A. Fisher	2100	0.18	6.8	0.3	4.3	2.5
			26/04/2023	A. Fisher	2100	0.052	7	0.69	4.4	2.1
			6/09/2023	A. Fisher	2300	0.015	6.9	0.65	4.4	1.5
			1/12/2023	A. Fisher					No Access to Bore	
EPA 11	Bore No. 4	Quarterly	6/03/2023	A. Fisher					No Access to Bore	
			26/04/2023	A. Fisher					No Access to Bore	
			6/09/2023	A. Fisher					Bore Dry	
			1/12/2023	A. Fisher					No Access to Bore	

Type: Soil Quality Monitoring / Solid Waste Utilisation Area

Frequency: Yearly during discharge

EPA Licence Location	JBS Sampling Location	Monitoring Frequency	Pollutant	Units of measure	Date of Sampling	Sampled By	Number of samples Required	Number of Samples Collected and Analysed	Results
EPA 7	Property boundaries of Lots 76 and 77 - Sample MP4	Yearly	Chloride	mg/kg	8/03/2023	A. Fisher	1	1	48
			Conductivity (saturated Extract)	deciSiemens/M	8/03/2023	A. Fisher			150
			Exchangeable Calcium	centimoles of positive charge per Kg of soil	8/03/2023	A. Fisher			11
			Exchangeable Magnesium	centimoles of positive charge/Kg of soil	8/03/2023	A. Fisher			0.83
			Exchangeable Potassium	centimoles of positive charge/Kg of soil	8/03/2023	A. Fisher			0.18
			Exchangeable Sodium	centimoles of positive charge per Kg of soil	8/03/2023	A. Fisher			0.17
			Exchangeable Sodium Percentage	%	8/03/2023	A. Fisher			1.4
			pH (1:5 Water)	pH	8/03/2023	A. Fisher			6.1
			Phosphorus (total)	mg/kg	8/03/2023	A. Fisher			280
			TKN-N	mg/kg	8/03/2023	A. Fisher			800
		3 Years	Phosphorus Sorption Capacity	mg/kg	11/05/2021	A. Fisher			173.3
			Total Organic Carbon	%	11/05/2021	A. Fisher			1.1
EPA 7	Property boundaries of Lots 76 and 77 - Sample MP5	Yearly	Chloride	mg/kg	8/03/2023	A. Fisher	1	1	96
			Conductivity (saturated Extract)	deciSiemens/M	8/03/2023	A. Fisher			310
			Exchangeable Calcium	centimoles of positive charge per Kg of soil	8/03/2023	A. Fisher			8.1
			Exchangeable Magnesium	centimoles of positive charge/Kg of soil	8/03/2023	A. Fisher			1.1
			Exchangeable Potassium	centimoles of positive charge/Kg of soil	8/03/2023	A. Fisher			0.2

			Exchangeable Sodium	centimoles of positive charge per Kg of soil	8/03/2023	A. Fisher			0.19
			Exchangeable Sodium Percentage	%	8/03/2023	A. Fisher			2
			pH (1:5 Water)	pH	8/03/2023	A. Fisher			6.3
			Phosphorus (total)	mg/kg	8/03/2023	A. Fisher			1600
			TKN-N	mg/kg	8/03/2023	A. Fisher			2400
		3 Years	Phosphorus Sorption Capacity	mg/kg	11/05/2021	A. Fisher			194.5
			Total Organic Carbon	%	11/05/2021	A. Fisher			2.1

Data gaps during 02 Jan 2023 - 01 Jan 2024 reporting period

Groundwater parameters on Bore 1 were not analysed during Q1 due to bore being dry at the moment of sampling. On Bore 4, access was not possible due to environmental restrictions during Q1 and Q2, while during Q3 the bore was dry at the moment of sampling. During Q4, there was no access to any of the Bores due to environmental restrictions.

Analysis and Interpretation of Monitoring Results

A review of the historical groundwater and soil chemistry data has been undertaken. There are no adverse trends identified. No discharge of wastewater occurred during the reporting period.