ENVIRONMENTAL MONITORING REPORT
JBS PRIME CITY FEEDLOT

Environment Protection Licence Summary	
Licence (EPL) Number:	**5275**
Licensee's Name:	**JBS Australia Pty Limited**
Premises Address:	**Prime City Feedlot, Jones Road, Tabbita NSW 2652**
Reporting Year:	**DECEMBER 2021 – DECEMBER 2022**

EPA Monitoring Requirements –JBS Prime City

Point 3			
Pollutant	**Units of Measure**	**Frequency**	**Sampling Method**
Biochemical Oxygen Demand (BOD)	mg/L	Special Frequency 1	Representative sample
Conductivity	microsiemens/cm	Special Frequency 1	Representative sample
Nitrogen (total)	mg/l	Special Frequency 1	Representative sample
pH	pH	Special Frequency 1	Representative sample
Phosphorus (total)	mg/L	Special Frequency 1	Representative sample
Total Suspended Solids	mg/L	Special Frequency 1	Representative sample

For the purposes of the table(s) above Special Frequency 1 means the collection of samples for each discharge from the holding pond taken as soon as practicable following every discharge event.

Point 5, 6			
Pollutant	**Units of Measure**	**Frequency**	**Sampling Method**
Available Phosphorus	mg/kg	Yearly	Special Method 1
Bulk Density	kg/m^3	3 years	Special Method 1
Cation Exchange Capacity	centimoles of positive charge/Kg of soil	Yearly	Special Method 1
Chloride	mg/kg	Yearly	Special Method 1
Conductivity	deciSiemens/M	Yearly	Special Method 1
Exchangeable Calcium	centimoles of positive charge per Kg of soil	Yearly	Special Method 1

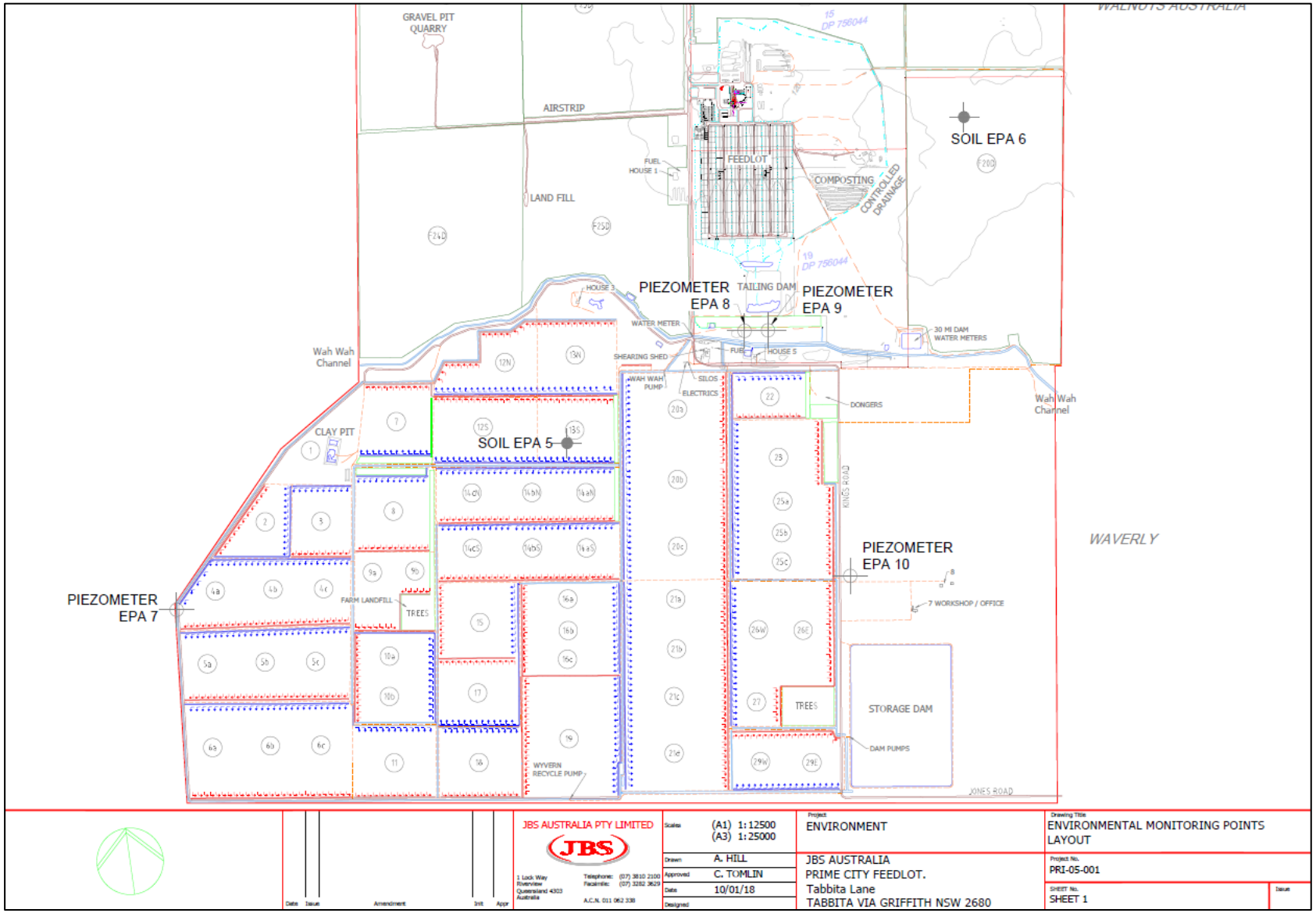
Point 5, 6			
Exchangeable Magnesium	centimoles of positive charge/Kg of soil	Yearly	Special Method 1
Exchangeable Potassium	centimoles of positive charge/Kg of soil	Yearly	Special Method 1
Exchangeable Sodium	centimoles of positive charge per Kg of soil	Yearly	Special Method 1
Nitrate	mg/Kg	Yearly	Special Method 1
pH	pH	Yearly	Special Method 1
Phosphorus Sorption Capacity	As approp.	3 Years	Special Method 1
Sodium Adsorption Ratio	Sodium adsorption ratio	Yearly	Special Method 1
Total organic carbon	percent	3 years	Special Method 1

Point 7, 8, 9, 10			
Pollutant	**Units of Measure**	**Frequency**	**Sampling Method**
Conductivity	microsiemens per cm	Quarterly	Representative sample
Nitrate (total)	Mg/L	Quarterly	Representative sample
Orthophosphate	Mg/L	Quarterly	Representative sample
pH	pH	Quarterly	Representative sample
Standing Water level	metres	Quarterly	Inspection

Data Gaps During this reporting Period

Licence Location	JBS sampling Location	Frequency	Period data is missing	Reason for missing data
Bulk Density was not measured in the reporting period, this was due to a mistake in the analysis request form and resampling could not be performed within the reporting period.				

JBS Prime City Feedlot – Environmental Monitoring Points



JBS Prime City Feedlot - Monitoring Results

Type: Groundwater Monitoring

Frequency: Quarterly

EPA Licence Location	JBS Sampling Location	Monitoring Frequency	Date of Sampling	Conductivity (microSiemens /cm)	Nitrate (mg/l)	pH	Orthophosphate (mg/l)	Standing Water Level (metres)
EPA 7	Piezometer 1	Quarterly	11.03.2021	17000	2.30	7.8	0.07	14.3
			08.04.2021	18000	1.7	7.2	.05	13.84
			11.08.2021	18000	1.8	7.3	<0.05	13.90
			17.12.2021	18000	1.7	7.7	.04	14.00
EPA 8	Piezometer 2	Quarterly	26.02.2020	16000	5.3	7.6	<0.01	14.55
			08.04.2021	13000	4.7	7.1	<.05	14.80
			11.08.2021	14000	6.7	7.0	<.05	14.60
			17.12.2021	15000	5.1	7.5	.04	14.67
EPA 9	Piezometer 3	Quarterly	26.02.2020	11000	4.3	7.8	0.07	14.60
			08.04.2021	10000	3.9	7.3	<.05	14.36
			11.08.2021	9700	4.2	7.4	<.05	14.50
			17.12.2021	11000	4.1	7.4	.02	14.90
EPA 10	Piezometer 4	Quarterly	26.02.2020	11000	1.4	7.0	0.01	12.20
			08.04.2021	10000	1.4	6.6	<.05	12.16
			11.08.2021	11000	1.5	6.6	<.05	12.30
			17.12.2020	12000	1.2	6.9	.07	12.35

Type: Soil Quality Monitoring

Frequency: Yearly / 3 Yearly

EPA Licence Location	JBS Sampling Location	Site Description	Monitoring Frequency	Date of Sampling	Analysis	Units of Measure	Number of samples required	Number of samples collected and analysed	0-15 cm depth	45-60 cm depth
EPA 5	**Point "13s"**	**Grey Loam irrigated area**	**Yearly**	22.01.2022	Conductivity	deciSiemens/ m	2	2	0.15	0.21
					Exchangeable Sodium	centimoles of positive charge per kg of soil	2	2	0.32	.85
					Exchangeable Magnesium	centimoles of positive charge/kg of soil	2	2	5.84	7.74
					Nitrate	mg/mg	2	2	14	36
					*Total organic carbon	mg/kg	2	2	14000	9930
					pH	pH (1:5 water)	2	2	8.5	8.3
					Exchangeable Potassium	centimoles of positive charge/kg of soil	2	2	2.18	1.06
					*Bulk Density	kg/m3				
					Sodium Adsorption Ratio	Sodium adsorption ratio	2	2	1	<1
					Available Phosphorus	mg/kg	2	2	139	64
					Cation Exchange Capacity	centimoles of positive charge/kg of soil	2	2	38	39
					Chloride	mg/kg	2	2	3	<2

EPA Licence Location	JBS Sampling Location	Site Description	Monitoring Frequency	Date of Sampling	Analysis	Units of Measure	Number of samples required	Number of samples collected and analysed	0-15 cm depth	45-60 cm depth
					Phosphorus Sorption Capacity	Mg/kg	2	2	529	591
					Exchangeable Calcium	centimoles of positive charge per Kg of soil	2	2	29.9	29.2
EPA 6	**Point "20D"**	**Red Sandy Loam dry land area**	**Yearly**	22.01.2022	Conductivity	deciSiemens/ m	2	2	0.06	0.17
					Exchangeable Sodium	centimoles of positive charge per kg of soil	2	2	.10	4.08
					Exchangeable Magnesium	centimoles of positive charge/kg of soil	2	2	1.98	10.3
					Nitrate	mg/mg	2	2	11	9
					*Total organic carbon	percent	0	0	8440	5100
					pH	pH (1:5 water)	2	2	7.1	7.7
					Exchangeable Potassium	centimoles of positive charge/kg of soil	0	0	1.19	1.57
					*Bulk Density	kg/m3	0	0		
					Sodium Adsorption Ratio	Sodium adsorption ratio	2	0	<1	4
					Available Phosphorus	mg/kg	2	2	69	7.7
					Cation Exchange Capacity	centimoles of positive charge/kg of soil	2	2	7	23

EPA Licence Location	JBS Sampling Location	Site Description	Monitoring Frequency	Date of Sampling	Analysis	Units of Measure	Number of samples required	Number of samples collected and analysed	0-15 cm depth	45-60 cm depth
					Chloride	mg/kg	2	2	<2	3
					Phosphorus Sorption Capacity	Mg/kg	0	0	204	316
					Exchangeable Calcium	centimoles of positive charge per Kg of soil	2	2	3.93	7.28