



SUMMARY OF SUNRICE ENVIRONMENTAL MONITORING DATA

June 2022 to May 2023

Licence Number 1830		LEETON RICE MILL, CALROSE STREET LEETON NSW 2705							
Monitoring Point	Pollutant	Units	100 percentile Concentration Limit	Frequency	No of Samples Required	No of Samples Collected	Min Result	Average Result	Max Result
36†	Phosphine	mg/m3	27	Continuous During Discharge	235	235	0.0	0.2	11.4
	Carbon Dioxide	%					5.0	5.8	10.0
	Dry gas density	kg/m3					1.1	1.2	1.3
	Moisture†	%					0.0	0.1	0.8
	Molecular weight of stack gases	g/gram mole					28.0	28.7	28.9
	Temperature	Degrees C					3.9	20.7	43.5
	Velocity	m/s					0.0	14.6	35.5
	Volumetric flow rate	m3/s					0.0	0.5	1.1
37	Phosphine	mg/m3	29	Annually	24	24	0.1	0.2	0.8
	Carbon Dioxide	%					4.0	10.3	20.0
	Dry gas density	kg/m3					1.2	1.2	1.3
	Moisture	%					4.3	4.5	4.7
	Molecular weight of stack gases	g/gram mole					29.8	30.6	31.6
	Temperature	Degrees C					5.4	6.1	6.7
	Velocity	m/s					9.8	15.9	21.9
	Volumetric flow rate	m3/s					1.1	1.8	2.5
38	Phosphine	mg/m3	29	Annually	7	7	0.1	0.2	1.4
	Carbon Dioxide	%					10.0	10.0	10.0
	Dry gas density	kg/m3					1.2	1.2	1.2
	Moisture	%					4.6	4.8	4.9
	Molecular weight of stack gases	g/gram mole					29.9	30.3	31.2
	Temperature	Degrees C					6.4	6.9	7.3
	Velocity	m/s					10.6	17.3	21.2
	Volumetric flow rate	m3/s					1.2	2.0	2.4
39	Phosphine	mg/m3	12	Annually	4	4	0.1	0.3	1.9
	Carbon Dioxide	%					0.0	6.0	10.0
	Dry gas density	kg/m3					1.2	1.2	1.2
	Moisture	%					1.5	3.1	4.0
	Molecular weight of stack gases	g/gram mole					28.8	28.8	28.9
	Temperature	Degrees C					8.0	14.5	17.3
	Velocity	m/s					4.4	5.8	6.6
	Volumetric flow rate	m3/s					0.6	0.7	0.8
40	Phosphine	mg/m3	10	Annually	10	10	0.0	0.0	0.2
	Carbon Dioxide	%					0.0	10.7	20.0
	Dry gas density	kg/m3					1.2	1.2	1.2
	Moisture	%					1.7	4.5	5.9
	Molecular weight of stack gases	g/gram mole					28.8	28.9	28.9
	Temperature	Degrees C					13.3	21.1	23.6
	Velocity	m/s					5.3	5.6	6.2
	Volumetric flow rate	m3/s					0.9	0.9	1.0
41^	Phosphine	mg/m3	9	Annually	1	0			
	Carbon Dioxide	%							
	Dry gas density	kg/m3							
	Moisture	%							
	Molecular weight of stack gases	g/gram mole							
	Temperature	Degrees C							
	Velocity	m/s							
	Volumetric flow rate	m3/s							
42^	Phosphine	mg/m3	8	Annually	1	0			
	Carbon Dioxide	%							
	Dry gas density	kg/m3							
	Moisture	%							
	Molecular weight of stack gases	g/gram mole							
	Temperature	Degrees C							
	Velocity	m/s							
	Volumetric flow rate	m3/s							
43^	Phosphine	mg/m3	8	Annually	1	0			
	Carbon Dioxide	%							
	Dry gas density	kg/m3							
	Moisture	%							
	Molecular weight of stack gases	g/gram mole							
	Temperature	Degrees C							
	Velocity	m/s							
	Volumetric flow rate	m3/s							

Licence Number		DENILQUIN RICE MILL, SALE YARDS ROAD DENILQUIN NSW 2710							
1833									
Monitoring Point	Pollutant	Units	100 percentile Concentration Limit	Frequency	No of Samples Required	No of Samples Collected	Min Result	Average Result	Max Result
1	Methyl Bromide	mg/m3	0.35	Annually	1	1	0.00	0.00	0.00
2^	Phosphine	mg/m3	29	Annually	1	0			
	Carbon Dioxide	%		Annually					
	Dry gas density	kg/m3		Annually					
	Moisture	%		Annually					
	Molecular weight of stack gases	g/gram mole		Annually					
	Temperature	Degrees C		Annually					
	Velocity	m/s		Annually					
	Volumetric flow rate	m3/s		Annually					
3^	Phosphine	mg/m3	29	Annually	1	0			
	Carbon Dioxide	%		Annually					
	Dry gas density	kg/m3		Annually					
	Moisture	%		Annually					
	Molecular weight of stack gases	g/gram mole		Annually					
	Temperature	Degrees C		Annually					
	Velocity	m/s		Annually					
	Volumetric flow rate	m3/s		Annually					
4^	Phosphine	mg/m3	29	Annually	1	0			
	Carbon Dioxide	%		Annually					
	Dry gas density	kg/m3		Annually					
	Moisture	%		Annually					
	Molecular weight of stack gases	g/gram mole		Annually					
	Temperature	Degrees C		Annually					
	Velocity	m/s		Annually					
	Volumetric flow rate	m3/s		Annually					
5^	Phosphine	mg/m3	29	Annually	1	0			
	Carbon Dioxide	%		Annually					
	Dry gas density	kg/m3		Annually					
	Moisture	%		Annually					
	Molecular weight of stack gases	g/gram mole		Annually					
	Temperature	Degrees C		Annually					
	Velocity	m/s		Annually					
	Volumetric flow rate	m3/s		Annually					

*Yanco BOM Data used for some records of Temperature and Humidity

^Data not available at time of reporting

Licence Number		Prydes Easifeed, 256 QUIA ROAD GUNNEDAH 2380 NSW							
21645		March 2022 to February 2023							
Monitoring Point	Pollutant	Units	Frequency	No of Samples Required	No of Samples Collected and Analysed	Lowest Sample Value	Mean Sample Value	Highest Sample Value	
3*	Oil and Grease	mg/L	Special	4	1	<5	<5	<5	
	pH	pH	Special	4	1	6.7	6.7	6.7	
	Total Suspended Solids	mg/L	Special	4	1	1000	1000	1000	

*New sampling program was brought on line in October 2022. Due to flooding in the region some samples could not be shipped to the laboratory in time and were disposed.