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Air Monitoring Data Report

14-Aug-25

The attached report contains the air monitoring data for all the licenced air monitoring points as required by the Environment Protection Licence 10232, for July 2025 as part of the reporting period July 2025 - June 2026.

Authorised by:

Uday Bhagwat Pulp Mill Manager Johan Stoltz General Manager

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Latest Publication Date:

14-Aug-25

Monitoring Location No:

1

Environment Protection Licence:

10232

Description:

Exit point from Stack 1 to atmosphere

Reporting Period:

July 2025 to June 2026

Monitoring

Type:

Continuous

Sample Type:

Air

	Date of			Concentration	Data collected	Lowest	Highest		Compliance	
onth	publication	Pollutant	Unit of measure	Limit	(%)	value	value	Mean	(Yes/No)	Comment
July	14-Aug	Flow	Nm3/s	100	100.00	56.76	89.42	80.32	Υ	
		Hydrogen chloride	mg/m3	50	100.00	0.00	31.74	1.57	Υ	
		Moisture	%	N/A	100.00	0.00	16.89	14.50	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	400	100.00	0.45	193.14	110.81	Y	
		Opacity	%	20	99.65	0.34	60.20	4.18	N	Equipment Issues
		Oxygen (O2)	%	N/A	100.00	2.25	11.45	3.60	N/A	
		Sulphur dioxide (SO2)	mg/m3	250	100.00	0.01	181.76	27.85	Y	
		Temperature	°C	N/A	100.00	117.90	255.73	183.59	N/A	
		TRS (as H2S)	mg/m3	3.6	100.00	0.17	7.80	0.37	Υ	Planned Shut Down



14-Aug-25

Monitoring Location No:

1

Exit point from Stack 1 to Atmosphere

Environment Protection Licence:

10232

Reporting Period:

July 2025 to June 2026

Description:

t of measure mg/m3	Concentration Limit 100	Sampling Freq Annual	Date of Sample	Date of Report	Report No.		Data	Compliance	
			Sample	Report	Report No.		Data	(Voc/No)	
mg/m3	100	Annual					Duta	(Yes/No)	Comment
		runidai							
mg/m3	20	Annual							
ng/m3	0.1	Annual							
mg/m3	50	1st Qrt							
mg/m3	50	2nd Qrt							
mg/m3	50	3rd Qrt							
mg/m3	50	4th Qrt							
mg/m3	1	Annual							
n n n	ng/m3 ng/m3 ng/m3 ng/m3 ng/m3	ng/m3 0.1 ng/m3 50 ng/m3 50 ng/m3 50 ng/m3 50 ng/m3 50	ng/m3 0.1 Annual ng/m3 50 1st Qrt ng/m3 50 2nd Qrt ng/m3 50 3rd Qrt ng/m3 50 4th Qrt	g/m3 0.1 Annual ng/m3 50 1st Qrt ng/m3 50 2nd Qrt ng/m3 50 3rd Qrt ng/m3 50 4th Qrt	ng/m3 0.1 Annual ng/m3 50 1st Qrt ng/m3 50 2nd Qrt ng/m3 50 3rd Qrt ng/m3 50 4th Qrt	g/m3 0.1 Annual ng/m3 50 1st Qrt ng/m3 50 2nd Qrt ng/m3 50 3rd Qrt ng/m3 50 4th Qrt	ng/m3 0.1 Annual ng/m3 50 1st Qrt ng/m3 50 2nd Qrt ng/m3 50 3rd Qrt ng/m3 50 4th Qrt	g/m3 0.1 Annual ng/m3 50 1st Qrt ng/m3 50 2nd Qrt ng/m3 50 3rd Qrt ng/m3 50 4th Qrt	rg/m3 0.1 Annual rg/m3 50 1st Qrt rg/m3 50 2nd Qrt rg/m3 50 3rd Qrt rg/m3 50 4th Qrt

ND- No Data N/A- Not Applicable

14-Aug-25

Monitoring Location No:

2

Environment Protection Licence:

10232

Discharge duct downstream of Recovery Boiler A prior to junction with Stack 1 Description:

Continuous

Reporting Period:

July 2025 to June 2026

onitoring Type:		Continuous		Sample Type:	Air					
Month	Date of publication	Pollutant	Unit of measure	Reporting Level	Data collected (%)	Lowest value	Highest value	Mean	Compliance (Yes/No)	Comment
July	14-Aug	Carbon monoxide (CO)	mg/m3	N/A	100.00	2.90	533.35	47.33	N/A	
		Flow	Nm3/s	N/A	100.00	0.01	98.95	52.41	N/A	
		Moisture	%	N/A	100.00	0.00	27.20	24.42	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	66.88	232.89	185.36	N/A	
		Opacity	%	N/A	100.00	0.72	23.66	3.66	N/A	
		Oxygen (O2)	%	N/A	100.00	2.13	16.47	3.58	N/A	
		Temperature	°C	N/A	100.00	91.25	180.18	170.28	N/A	



14-Aug-25

Monitoring Location No:

2

Environment Protection Licence:

10232

Discharge duct downstream of Recovery Boiler A prior to

junction with Stack 1

Reporting Period:

July 2025 to June 2026

Description: Monitoring Type:

Grab Sample

Sample Type: Air

	Unit of	Reporting	Sampling	Date of	Date of				
Pollutant	measure	Level	Freq	Sample	Report	Report No.	Data	Compliance(Yes/No)	Comment
Methanol	mg/m3	N/A	Annual						
Total Solid Particles	mg/m3	N/A	Annual						

ND - No Data N/A - Not applicable

14-Aug-25

Monitoring Location No:

3

Environment Protection Licence:

10232

Discharge duct downstream of Power Boiler prior to junction with Stack 1

Reporting Period:

July 2025 to June 2026

nitoring Type:		Continuous	Sample Type:		Air					
	Date of		Unit of	Reporting	Data collected	Lowest	Highest		Compliance	
Month	publication	Pollutant	measure	Level	(%)	value	value	Mean	(Yes/No)	Comment
July	14-Aug	Carbon monoxide (CO)	mg/m3	N/A	99.87	5.58	434.80	36.54	N/A	
		Flow	Nm3/s	N/A	100.00	0.00	73.52	36.60	N/A	
		Moisture	%	N/A	100.00	0.00	32.10	21.45	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	0.01	256.88	183.79	N/A	
		Opacity	%	N/A	100.00	2.87	63.47	10.75	N/A	
		Oxygen (O2)	%	N/A	100.00	1.42	21.70	5.21	N/A	
		Temperature	°C	N/A	100.00	17.10	224.63	191.31	N/A	



14-Aug-25

Monitoring Location No:

3

Environment Protection Licence:

10232

Description:

Discharge duct downstream of Power Boiler prior to junction with Stack Reporting Period: July 2025 to June 2026

Monitoring Type:

Grab Sample

Monitoring Type:	Grab Sample)				Sample Type:	Air		
Pollutant	Unit of measure	Concentration Limit	Sampling Freq	Date of Sample	Date of Report	Report No.	Data	Compliance (Yes/No)	Comment
Cadmium	mg/m3	0.06	1st Qrt						Note
Mercury	mg/m3	0.06	1st Qrt						Note
TCDD (equivalent)	ng/m3	0.1	1st Qrt						Note
Type 1 and 2 substances	mg/m3	0.6	1st Qrt						Note
Cadmium	mg/m3	0.06	2nd Qrt						Note
Mercury	mg/m3	0.06	2nd Qrt						Note
TCDD (equivalent)	ng/m3	0.1	2nd Qrt						Note
Total Solid Particles	mg/m3	30	Annual						Note 2
Type 1 and 2 substances	mg/m3	0.6	2nd Qrt						Note
Cadmium	mg/m3	0.06	3rd Qrt						Note
Mercury	mg/m3	0.06	3rd Qrt						Note
TCDD (equivalent)	ng/m3	0.1	3rd Qrt						Note
Type 1 and 2 substances	mg/m3	0.6	3rd Qrt						Note
Cadmium	mg/m3	0.06	4th Qrt						Note
Mercury	mg/m3	0.1	4th Qrt						Note
TCDD (equivalent) Type 1 and 2 substances	ng/m3 mg/m3	0.1 0.6	4th Qrt 4th Qrt						Note Note

ND- No Data N/A- Not Applicable

Note: Quarterly when non-standard fuels are being burnt in the Power Boiler, and not required at other times

Note 2: Concentration Limit only applicable when non-standard fuel is being burnt in the Power Boiler



14-Aug-25

Monitoring Location No:

Discharge duct downstream of Lime Kiln A prior to junction with Stack 1

Environment Protection Licence:

10232

Description:

Reporting Period:

July 2025 to June 2026

lonitoring Type:		Continuous		Sample Type:	Air			77 10 10 10 10		
Month	Date of publication	Pollutant	Unit of measure	Reporting Level	Data collected (%)	Lowest value	Highest value	Mean	Compliance (Yes/No)	Comment
July	14-Aug	Carbon monoxide (CO)	mg/m3	N/A	100.00	10.67	5755.90	280.85	N/A	
		Moisture	%	N/A	100.00	0.00	33.75	29.80	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	18.13	264.41	188.57	N/A	
		Opacity	%	N/A	100.00	0.03	33.78	9.47	N/A	
		Oxygen (O2)	%	N/A	100.00	0.00	20.57	2.36	N/A	
		Temperature	°C	N/A	100.00	228.90	302.49	267.75	N/A	



14-Aug-25

Monitoring Location No:

Environment Protection Licence:

10232

Comment

Description:

Discharge duct downstream of Lime Kiln A prior to junction with Stack 1

Reporting Period:

Date of Report

July 2025 to June 2026

Monitoring Type:

Grab Sample Unit of

Report No.

Data

Air

Compliance(Yes/No)

Sample Type: Date of

Sample

Pollutant Total Solid Particles Reporting Level N/A Sampling Freq Annual measure mg/m3

ND - No Data N/A - Not applicable

14-Aug-25

Monitoring Location No:

21

Discharge duct downstream of Lime Kiln B

Environment Protection Licence:

10232

Pescription: prior to junction with Stack 1

Monitoring Type:

Reporting Period:

July 2025 to June 2026

Monitoring Type:		Continuous		Sample Type:	Air					
Month	Date of publication	Pollutant	Unit of measure	Reporting Level	Data collected (%)	Lowest value	Highest value	Mean	Compliance (Yes/No)	Comment
July	14-Aug	Carbon monoxide (CO)	mg/m3	N/A	100.00	0.56	5615.41	160.96	N/A	
		Moisture	%	N/A	100.00	0.00	39.05	30.29	N/A	
	3.	Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	0.01	831.20	422.68	N/A	
		Opacity	%	N/A	100.00	0.01	90.60	7.07	N/A	
		Oxygen (O2)	%	N/A	100.00	0.00	21.00	2.11	N/A	
		Temperature	°C	N/A	100.00	79.63	421.97	257.69	N/A	

VP9-10-10.5-FM-026 Summary of Periodic Stack Testing - Lime Kiln B



Latest Publication Date: 14-Aug-25

Monitoring Location No:

21

Environment Protection Licence:

10232

Description:

Discharge duct downstream of Lime Kiln

B prior to junction with Stack 1

Reporting Period:

July 2025 to June 2026

Monitoring Type:

Grab Sample

Sample Type:

Air

	Unit of	Sampling	Date of	Date of	Report No.		
Pollutant	measure	Freq	Sample	Report	Report No.	Data	Comment
Total Solid Particles	mg/m3	Annual					

General Note: Limits are not applicable to this monitoring point

14-Aug-25

Monitoring Location No:

22

Environment Protection Licence:

10232

Description:

Exit point from Stack 2 to atmosphere

Reporting Period:

July 2025 to June 2026

Monitoring

Continuous

Sample Type:

:		Communication	oumple Type.	7.111						
Month	Date of publication	Pollutant	Unit of measure	Concentration Limit	Data collected (%)	Lowest	Highest value	Mean	Compliance (Yes/No)	Comment
July	14-Aug	Flow	Nm3/s	N/A	100.00	0.02	100.00	43.82	N/A	
		Hydrogen chloride	mg/m3	50	100.00	0.10	16.23	0.57	Υ	
		Moisture	%	N/A	100.00	14.82	40.28	17.97	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	400	100.00	2.33	270.77	144.93	Υ	
		Opacity	%	20	99.62	3.68	28.43	9.28	Y	Auto Calibration
		Oxygen (O2)	%	N/A	100.00	3.87	23.38	5.90	N/A	
		Sulphur dioxide (SO2)	mg/m3	250	100.00	0.00	3.49	0.73	Υ	
		Temperature	°C	N/A	100.00	153.96	173.49	165.32	N/A	
		TRS (as H2S)	mg/m3	3.6	100.00	0.24	1.19	0.95	Y	



Latest Publication Date: 14-Aug-25

Monitoring Location No:

Exit point from Stack 2 to atmosphere

Environment Protection Licence:

10232

Reporting Period:

July 2025 to June 2026

Monitoring Type:	Grab Sample					Sample Type:		Air	
		Concentration	on	Date of	Date of			Compliance	
Pollutant	Unit of measure	Limit	Sampling Freq	Sample	Report	Report No.	Data	(Yes/No)	Comments
Chlorine	mg/m3	100	Annual						
Sulfuric acid mist & sulfu	ır								
trioxide (as SO3)	mg/m3	20	Annual						
TCDD (equivalent)	ng/m3	0.1	Annual						
Total Solid Particles	mg/m3	50	1st Qrt						
Total Solid Particles	mg/m3	50	2nd Qrt						
Total Solid Particles	mg/m3	50	3rd Qrt						
Total Solid Particles	mg/m3	50	4th Qrt						
Type 1 and 2 substances	mg/m3	1.	Annual						

ND- No Data N/A- Not Applicable

Description: