



**FOR A BETTER WORLD**

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## **Air Monitoring Data Report**

14-Jan-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 to December 2024 as part of the reporting period July 2024 - June 2025.

Authorised by:

A handwritten signature in black ink, appearing to read "Uday Bhagwat", written over a horizontal line.

Uday Bhagwat  
Pulp Mill Manager

A handwritten signature in black ink, appearing to read "Johan Stoltz", written over a horizontal line.

Johan Stoltz  
General Manager



Latest Publication Date: 14-Jan-25

Monitoring Location No: 1

Environment Protection Licence: 10232

Description: Exit point from Stack 1 to atmosphere

Reporting Period: July 2024 to June 2025

Monitoring Type: Continuous

Sample Type: Air

Month	Date of publication	Pollutant	Unit of measure	Concentration Limit	Data			Compliance (Yes/No)	Comment	
					collected (%)	Lowest value	Highest value			
July	14-Aug	Flow	Nm3/s	100	100.00	68.78	87.57	82.43	Y	
		Hydrogen chloride	mg/m3	50	100.00	0.00	9.58	0.74	Y	
		Moisture	%	N/A	100.00	0.00	26.94	23.38	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	400	100.00	79.95	242.40	186.60	Y	
		Opacity	%	20	99.73	3.05	65.21	8.64	N	Equipment Issues
		Oxygen (O2)	%	N/A	100.00	2.42	10.21	3.63	N/A	
		Sulphur dioxide (SO2)	mg/m3	250	100.00	18.72	381.83	47.82	Y	Planned Shut Down
		Temperature	°C	N/A	100.00	137.99	232.42	190.32	N/A	
		TRS (as H2S)	mg/m3	3.6	100.00	0.15	0.31	0.24	Y	
August	14-Sep	Flow	Nm3/s	100	100.00	61.83	92.13	81.06	Y	
		Hydrogen chloride	mg/m3	50	100.00	0.00	16.95	0.88	Y	
		Moisture	%	N/A	100.00	0.00	26.65	23.23	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	400	100.00	109.21	246.68	183.62	Y	
		Opacity	%	20	99.64	2.53	89.54	7.05	N	Equipment Issues
		Oxygen (O2)	%	N/A	100.00	2.31	11.20	3.64	N/A	
		Sulphur dioxide (SO2)	mg/m3	250	100.00	22.13	424.83	51.72	N	Equipment Issues
		Temperature	°C	N/A	100.00	136.66	229.91	188.15	N/A	
		TRS (as H2S)	mg/m3	3.6	100.00	0.16	0.32	0.25	Y	
September	14-Oct	Flow	Nm3/s	100	100.00	57.11	88.90	78.99	Y	
		Hydrogen chloride	mg/m3	50	100.00	0.00	13.08	0.84	Y	
		Moisture	%	N/A	100.00	0.00	27.13	22.86	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	400	100.00	47.48	261.56	181.38	Y	
		Opacity	%	20	99.65	2.27	35.54	6.99	N	Equipment Issues
		Oxygen (O2)	%	N/A	100.00	2.58	9.82	3.76	N/A	
		Sulphur dioxide (SO2)	mg/m3	250	100.00	1.88	368.68	44.59	Y	Planned Shut Down
		Temperature	°C	N/A	100.00	118.37	240.82	186.01	N/A	
		TRS (as H2S)	mg/m3	3.6	100.00	0.00	0.41	0.30	Y	
October	14-Nov	Flow	Nm3/s	100	100.00	0.26	83.43	51.82	Y	
		Hydrogen chloride	mg/m3	50	100.00	0.00	23.33	1.56	Y	
		Moisture	%	N/A	100.00	0.00	26.33	16.81	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	400	100.00	0.00	275.52	151.04	Y	
		Opacity	%	20	99.70	0.00	88.90	7.49	N	Equipment Issues
		Oxygen (O2)	%	N/A	100.00	2.65	20.63	8.60	N/A	
		Sulphur dioxide (SO2)	mg/m3	250	100.00	0.00	389.32	58.77	Y	Planned Shut Down
		Temperature	°C	N/A	100.00	5.57	230.61	146.77	N/A	
		TRS (as H2S)	mg/m3	3.6	99.19	0.00	3.21	0.19	Y	
November	14-Dec	Flow	Nm3/s	100	100.00	66.65	84.45	76.24	Y	
		Hydrogen chloride	mg/m3	50	100.00	0.00	15.94	0.62	Y	
		Moisture	%	N/A	100.00	0.00	26.57	23.04	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	400	100.00	112.58	275.81	201.33	Y	
		Opacity	%	20	99.65	1.85	58.70	6.15	N	Equipment Issues
		Oxygen (O2)	%	N/A	100.00	2.53	5.58	3.53	N/A	
		Sulphur dioxide (SO2)	mg/m3	250	100.00	0.00	104.84	35.40	Y	
		Temperature	°C	N/A	100.00	132.81	222.92	179.05	N/A	
		TRS (as H2S)	mg/m3	3.6	100.00	0.12	0.49	0.29	Y	
December	14-Jan	Flow	Nm3/s	100	100.00	61.38	86.35	77.79	Y	
		Hydrogen chloride	mg/m3	50	100.00	0.00	9.03	0.50	Y	
		Moisture	%	N/A	100.00	0.00	26.64	22.97	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	400	100.00	9.60	350.60	181.75	Y	
		Opacity	%	20	99.65	1.93	56.13	7.05	N	Equipment Issues
		Oxygen (O2)	%	N/A	100.00	2.69	10.66	3.66	N/A	
		Sulphur dioxide (SO2)	mg/m3	250	100.00	0.02	572.74	19.28	Y	Planned Shut Down
		Temperature	°C	N/A	100.00	132.97	233.44	180.79	N/A	
		TRS (as H2S)	mg/m3	3.6	100.00	0.08	0.68	0.31	Y	

Latest Publication Date: 14-Jan-25

Monitoring Location No: 1

Environment Protection Licence: 10232

Description: Exit point from Stack 1 to Atmosphere

Reporting Period: July 2024 to June 2025

Monitoring Type: Grab Sample

Sample Type: Air

Pollutant	Unit of measure	Concentration		Sampling Freq	Date of Sample	Date of Report	Report No.	Data	Compliance (Yes/No)	Comment
		Limit								
Chlorine	mg/m3	100		Annual						
Sulfuric acid mist & sulfur trioxide (as SO3)	mg/m3	20		Annual						
TCDD (equivalent)	ng/m3	0.1		Annual						
Total Solid Particles	mg/m3	50		1st Qrt	5-Sep-24	20-Sep-24	R017569	47	Yes	
Total Solid Particles	mg/m3	50		2nd Qrt				39	Yes	
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



Latest Publication Date: 14-Jan-25

Monitoring Location No: 2

Environment Protection Licence:

10232

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

Reporting Period:

July 2024 to June 2025

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	2.90	892.80	80.28	N/A	
		Flow	Nm3/s	N/A	100.00	0.05	99.46	32.31	N/A	
		Moisture	%	N/A	100.00	0.00	26.98	24.08	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	64.00	218.37	180.33	N/A	
		Opacity	%	N/A	100.00	0.00	25.09	82.84	N/A	
		Oxygen (O2)	%	N/A	100.00	1.49	15.67	3.47	N/A	
		Temperature	°C	N/A	100.00	141.09	188.21	174.38	N/A	
August	14-Sep	Carbon monoxide (CO)	mg/m3	N/A	100.00	2.71	634.78	74.88	N/A	
		Flow	Nm3/s	N/A	100.00	0.04	97.76	46.78	N/A	
		Moisture	%	N/A	100.00	0.00	26.79	23.88	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	60.10	233.94	179.54	N/A	
		Opacity	%	N/A	100.00	0.35	60.45	2.26	N/A	
		Oxygen (O2)	%	N/A	100.00	2.14	14.46	3.56	N/A	
		Temperature	°C	N/A	100.00	148.66	181.31	173.42	N/A	
September	14-Oct	Carbon monoxide (CO)	mg/m3	N/A	100.00	2.17	594.97	42.16	N/A	
		Flow	Nm3/s	N/A	100.00	0.05	99.01	54.77	N/A	
		Moisture	%	N/A	100.00	0.00	26.82	24.44	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	72.01	207.60	167.08	N/A	
		Opacity	%	N/A	100.00	1.34	23.54	3.37	N/A	
		Oxygen (O2)	%	N/A	100.00	0.00	23.34	2.45	N/A	
		Temperature	°C	N/A	100.00	1.51	14.52	3.38	N/A	
October	14-Nov	Carbon monoxide (CO)	mg/m3	N/A	100.00	0.03	342.10	26.63	N/A	
		Flow	Nm3/s	N/A	100.00	0.00	96.54	42.15	N/A	
		Moisture	%	N/A	100.00	0.00	27.35	17.15	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	0.06	225.18	118.99	N/A	
		Opacity	%	N/A	100.00	0.24	59.04	2.54	N/A	
		Oxygen (O2)	%	N/A	100.00	1.81	21.04	9.26	N/A	
		Temperature	°C	N/A	100.00	14.99	198.90	137.84	N/A	
November	14-Dec	Carbon monoxide (CO)	mg/m3	N/A	100.00	2.90	915.11	84.46	N/A	
		Flow	Nm3/s	N/A	100.00	0.04	100.13	49.48	N/A	
		Moisture	%	N/A	100.00	0.00	27.25	24.66	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	66.90	217.23	147.58	N/A	
		Opacity	%	N/A	100.00	1.37	31.58	4.85	N/A	
		Oxygen (O2)	%	N/A	100.00	0.01	36.45	1.93	N/A	
		Temperature	°C	N/A	100.00	1.77	6.51	3.26	N/A	
December	14-Jan	Carbon monoxide (CO)	mg/m3	N/A	100.00	0.20	916.80	71.46	N/A	
		Flow	Nm3/s	N/A	100.00	0.02	97.90	36.75	N/A	
		Moisture	%	N/A	100.00	0.00	27.39	24.36	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	1.79	227.91	144.05	N/A	
		Opacity	%	N/A	100.00	0.76	45.49	3.90	N/A	
		Oxygen (O2)	%	N/A	100.00	1.57	15.49	3.59	N/A	
		Temperature	°C	N/A	100.00	101.66	178.99	167.84	N/A	

Latest Publication Date: 14-Jan-25

Monitoring Location No: 2

Environment Protection Licence:

10232

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

Reporting Period:

July 2024 to June 2025

Monitoring Type: Grab Sample

Sample Type: Air

Pollutant	Unit of measure	Reporting Level	Sampling Freq	Date of Sample	Date of 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



Latest Publication Date: 14-Jan-25

Monitoring Location No: 3

Environment Protection Licence:

10232

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

Reporting Period:

July 2024 to June 2025

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	8.85	111.87	49.84	N/A	
		Flow	Nm3/s	N/A	100.00	0.04	83.21	40.49	N/A	
		Moisture	%	N/A	100.00	0.00	22.44	15.86	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	6.27	172.14	105.34	N/A	
		Opacity	%	N/A	100.00	4.27	41.56	10.51	N/A	
		Oxygen (O2)	%	N/A	100.00	2.48	7.37	4.41	N/A	
		Temperature	°C	N/A	100.00	201.79	223.40	210.67	N/A	
August	14-Sep	Carbon monoxide (CO)	mg/m3	N/A	100.00	8.45	284.90	37.67	N/A	
		Flow	Nm3/s	N/A	100.00	0.03	81.70	39.91	N/A	
		Moisture	%	N/A	100.00	0.00	26.50	14.89	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	3.71	244.09	97.74	N/A	
		Opacity	%	N/A	100.00	2.68	24.44	8.76	N/A	
		Oxygen (O2)	%	N/A	100.00	1.05	8.29	4.16	N/A	
		Temperature	°C	N/A	100.00	193.58	222.74	207.91	N/A	
September	14-Oct	Carbon monoxide (CO)	mg/m3	N/A	100.00	0.88	265.36	43.93	N/A	
		Flow	Nm3/s	N/A	100.00	0.00	88.27	37.47	N/A	
		Moisture	%	N/A	100.00	0.00	24.16	11.69	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	0.22	194.92	72.30	N/A	
		Opacity	%	N/A	100.00	3.67	50.03	9.45	N/A	
		Oxygen (O2)	%	N/A	100.00	1.88	20.42	5.05	N/A	
		Temperature	°C	N/A	100.00	21.53	225.29	196.94	N/A	
October	14-Nov	Carbon monoxide (CO)	mg/m3	N/A	100.00	0.02	519.07	38.40	N/A	
		Flow	Nm3/s	N/A	100.00	0.00	84.93	29.27	N/A	
		Moisture	%	N/A	100.00	0.00	20.96	10.98	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	0.02	167.78	68.87	N/A	
		Opacity	%	N/A	100.00	3.04	76.72	9.44	N/A	
		Oxygen (O2)	%	N/A	100.00	0.40	20.82	7.67	N/A	
		Temperature	°C	N/A	100.00	12.67	231.61	180.88	N/A	
November	14-Dec	Carbon monoxide (CO)	mg/m3	N/A	99.86	7.75	135.60	35.64	N/A	
		Flow	Nm3/s	N/A	100.00	0.03	78.23	35.84	N/A	
		Moisture	%	N/A	100.00	0.00	31.61	17.22	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	42.96	239.33	135.76	N/A	
		Opacity	%	N/A	100.00	3.00	32.46	8.97	N/A	
		Oxygen (O2)	%	N/A	100.00	1.31	9.46	3.90	N/A	
		Temperature	°C	N/A	100.00	184.06	207.56	196.00	N/A	
December	14-Jan	Carbon monoxide (CO)	mg/m3	N/A	100.00	0.03	365.98	31.94	N/A	
		Flow	Nm3/s	N/A	100.00	0.03	75.59	35.89	N/A	
		Moisture	%	N/A	100.00	0.00	50.00	20.97	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	6.26	276.57	180.95	N/A	
		Opacity	%	N/A	100.00	0.40	69.46	9.12	N/A	
		Oxygen (O2)	%	N/A	100.00	0.51	23.15	3.99	N/A	
		Temperature	°C	N/A	100.00	169.53	208.87	196.07	N/A	

**Latest Publication Date:** 14-Jan-25  
**Monitoring Location No:** 3  
**Description:** Discharge duct downstream of Power Boiler prior to junction with Stack 1  
**Monitoring Type:** Grab Sample  
**Environment Protection Licence:** 10232  
**Reporting Period:** July 2024 to June 2025  
**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
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)	ng/m3	0.1	4th Qrt						Note
Type 1 and 2 substances	mg/m3	0.6	4th Qrt						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



**Latest Publication Date:** 14-Jan-25  
**Monitoring Location No:** 4  
**Description:** Discharge duct downstream of Lime Kiln A prior to junction with Stack 1  
**Monitoring Type:** Continuous  
**Environment Protection Licence:** 10232  
**Reporting Period:** July 2024 to June 2025  
**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	4.49	8038.76	185.76	N/A	
		Moisture	%	N/A	100.00	0.00	30.68	26.03	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	0.03	224.67	124.72	N/A	
		Opacity	%	N/A	100.00	0.02	68.20	9.17	N/A	
		Oxygen (O2)	%	N/A	100.00	0.01	20.66	2.65	N/A	
		Temperature	°C	N/A	100.00	222.67	288.71	264.06	N/A	
August	14-Sep	Carbon monoxide (CO)	mg/m3	N/A	100.00	4.49	5831.46	156.39	N/A	
		Moisture	%	N/A	100.00	0.00	31.13	26.22	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	0.06	341.74	131.50	N/A	
		Opacity	%	N/A	100.00	0.08	65.27	8.87	N/A	
		Oxygen (O2)	%	N/A	100.00	0.00	21.01	2.73	N/A	
		Temperature	°C	N/A	100.00	211.17	294.94	266.11	N/A	
September	14-Oct	Carbon monoxide (CO)	mg/m3	N/A	100.00	4.49	7791.29	149.25	N/A	
		Moisture	%	N/A	100.00	0.00	30.95	26.34	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	0.06	210.12	124.48	N/A	
		Opacity	%	N/A	100.00	0.01	79.73	8.44	N/A	
		Oxygen (O2)	%	N/A	100.00	0.02	20.52	2.51	N/A	
		Temperature	°C	N/A	100.00	212.48	297.58	265.77	N/A	
October	14-Nov	Carbon monoxide (CO)	mg/m3	N/A	100.00	4.49	4112.36	91.66	N/A	
		Moisture	%	N/A	100.00	0.00	29.27	19.52	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	0.01	284.13	90.83	N/A	
		Opacity	%	N/A	100.00	0.00	79.30	10.27	N/A	
		Oxygen (O2)	%	N/A	100.00	0.67	20.60	6.84	N/A	
		Temperature	°C	N/A	100.00	12.69	562.43	226.12	N/A	
November	14-Dec	Carbon monoxide (CO)	mg/m3	N/A	100.00	4.49	8038.76	52.68	N/A	
		Moisture	%	N/A	100.00	0.00	35.17	25.01	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	0.02	389.86	162.81	N/A	
		Opacity	%	N/A	100.00	0.00	44.99	6.66	N/A	
		Oxygen (O2)	%	N/A	100.00	0.00	20.90	4.18	N/A	
		Temperature	°C	N/A	100.00	21.56	291.17	244.18	N/A	
December	14-Jan	Carbon monoxide (CO)	mg/m3	N/A	100.00	7.58	4051.97	76.51	N/A	
		Moisture	%	N/A	100.00	0.00	36.16	30.51	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	7.32	262.88	151.02	N/A	
		Opacity	%	N/A	100.00	0.26	35.96	6.64	N/A	
		Oxygen (O2)	%	N/A	100.00	0.85	19.97	2.45	N/A	
		Temperature	°C	N/A	100.00	215.12	287.39	257.14	N/A	



Latest Publication Date: 14-Jan-25  
 Monitoring Location No: 4

Environment Protection Licence: 10232

Description: Discharge duct downstream of Lime Kiln A prior to junction with Stack 1  
 Reporting Period: July 2024 to June 2025

Monitoring Type: Grab Sample  
 Sample Type: Air

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

ND - No Data  
 N/A - Not applicable



Latest Publication Date: 14-Jan-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 2024 to June 2025

Monitoring Type: Continuous

Sample Type: Air

Month	Date of publication	Pollutant	Unit of measure	Reporting Level	Data			Compliance (Yes/No)	Comment
					collected (%)	Lowest value	Highest value		
July	14-Aug	Carbon monoxide (CO)	mg/m3	N/A	100.00	0.51	6000.00	283.93	N/A
		Moisture	%	N/A	100.00	0.00	38.29	31.18	N/A
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	0.01	600.13	351.54	N/A
		Opacity	%	N/A	100.00	0.01	90.14	9.52	N/A
		Oxygen (O2)	%	N/A	100.00	0.05	21.00	1.90	N/A
		Temperature	°C	N/A	100.00	71.10	457.72	278.89	N/A
August	14-Sep	Carbon monoxide (CO)	mg/m3	N/A	100.00	0.49	6000.00	287.92	N/A
		Moisture	%	N/A	100.00	0.00	39.20	29.66	N/A
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	0.00	1000.00	290.26	N/A
		Opacity	%	N/A	100.00	0.01	90.03	7.40	N/A
		Oxygen (O2)	%	N/A	100.00	0.03	20.85	2.51	N/A
		Temperature	°C	N/A	100.00	71.27	449.33	279.60	N/A
September	14-Oct	Carbon monoxide (CO)	mg/m3	N/A	100.00	0.49	2187.39	187.21	N/A
		Moisture	%	N/A	100.00	0.00	35.75	30.65	N/A
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	0.00	722.48	302.97	N/A
		Opacity	%	N/A	100.00	0.01	90.07	6.58	N/A
		Oxygen (O2)	%	N/A	100.00	0.03	17.58	1.84	N/A
		Temperature	°C	N/A	100.00	77.87	454.70	268.52	N/A
October	14-Nov	Carbon monoxide (CO)	mg/m3	N/A	100.00	0.49	6000.00	222.67	N/A
		Moisture	%	N/A	100.00	0.00	37.06	26.39	N/A
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	0.00	1000.00	337.43	N/A
		Opacity	%	N/A	100.00	0.01	90.03	6.31	N/A
		Oxygen (O2)	%	N/A	100.00	0.01	21.00	3.79	N/A
		Temperature	°C	N/A	100.00	0.73	500.00	250.44	N/A
November	14-Dec	Carbon monoxide (CO)	mg/m3	N/A	100.00	0.57	6000.00	155.74	N/A
		Moisture	%	N/A	100.00	0.00	40.72	30.06	N/A
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	0.00	1000.00	375.72	N/A
		Opacity	%	N/A	100.00	0.01	90.07	3.44	N/A
		Oxygen (O2)	%	N/A	100.00	0.00	21.00	2.60	N/A
		Temperature	°C	N/A	100.00	62.53	489.14	260.62	N/A
December	14-Jan	Carbon monoxide (CO)	mg/m3	N/A	100.00	4.89	6000.00	218.39	N/A
		Moisture	%	N/A	100.00	0.00	49.70	29.81	N/A
		Nitrogen Oxides (as NO2)	mg/m3	N/A	100.00	0.02	551.98	232.02	N/A
		Opacity	%	N/A	100.00	0.01	89.96	5.90	N/A
		Oxygen (O2)	%	N/A	100.00	0.00	21.00	2.63	N/A
		Temperature	°C	N/A	100.00	64.11	461.30	273.48	N/A

Latest Publication Date: 14-Jan-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 2024 to June 2025

Monitoring Type: Grab Sample

Sample Type: Air

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

General Note: Limits are not applicable to this monitoring point



Latest Publication Date: 14-Jan-25

Monitoring Location No: 22

Environment Protection Licence: 10232

Description: Exit point from Stack 2 to atmosphere

Reporting Period: July 2024 to June 2025

Monitoring Type: Continuous

Sample Type: Air

Month	Date of publication	Pollutant	Unit of measure	Concentration Limit	Data			Compliance (Yes/No)	Comment	
					collected (%)	Lowest value	Highest value			
July	14-Aug	Flow	Nm3/s	N/A	100.00	0.93	55.28	47.64	N/A	Instrument Error
		Hydrogen chloride	mg/m3	50	100.00	0.65	32.95	1.47	Y	
		Moisture	%	N/A	100.00	14.16	27.13	17.38	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	400	100.00	14.53	146.63	117.60	Y	
		Opacity	%	20	99.64	1.81	24.98	6.08	Y	
		Oxygen (O2)	%	N/A	100.00	3.76	20.71	5.71	N/A	
		Sulphur dioxide (SO2)	mg/m3	250	100.00	0.00	1.11	0.68	Y	
		Temperature	°C	N/A	100.00	156.76	176.59	167.33	N/A	
		TRS (as H2S)	mg/m3	3.6	100.00	0.00	0.92	0.52	Y	
August	14-Sep	Flow	Nm3/s	100	100.00	0.18	53.79	44.16	N/A	Equipment Issues
		Hydrogen chloride	mg/m3	50	99.73	0.00	34.62	1.14	Y	
		Moisture	%	N/A	100.00	14.39	26.90	17.41	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	400	99.87	32.91	305.16	137.72	Y	
		Opacity	%	20	99.69	0.00	38.35	3.78	N	
		Oxygen (O2)	%	N/A	100.00	3.97	20.94	6.79	N/A	
		Sulphur dioxide (SO2)	mg/m3	250	100.00	0.00	91.37	0.56	Y	
		Temperature	°C	N/A	100.00	92.90	175.72	167.14	N/A	
		TRS (as H2S)	mg/m3	3.6	100.00	0.00	1.86	0.62	Y	
September	14-Oct	Flow	Nm3/s	N/A	100.00	0.19	53.28	46.16	N/A	Auto Calibration
		Hydrogen chloride	mg/m3	50	99.86	0.99	44.28	1.49	Y	
		Moisture	%	N/A	100.00	14.32	27.07	17.34	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	400	100.00	1.51	155.74	123.74	Y	
		Opacity	%	20	99.63	2.40	25.53	5.95	Y	
		Oxygen (O2)	%	N/A	100.00	4.16	20.94	6.29	N/A	
		Sulphur dioxide (SO2)	mg/m3	250	100.00	0.03	0.45	0.18	Y	
		Temperature	°C	N/A	100.00	158.36	174.67	166.56	N/A	
		TRS (as H2S)	mg/m3	3.6	100.00	0.13	0.97	0.80	Y	
October	14-Nov	Flow	Nm3/s	N/A	100.00	0.00	54.94	33.92	N/A	Planned Shut Down
		Hydrogen chloride	mg/m3	50	99.87	1.34	18.39	5.15	Y	
		Moisture	%	N/A	100.00	14.87	24.77	17.34	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	400	100.00	0.00	139.08	113.60	Y	
		Opacity	%	20	99.73	0.00	74.03	5.97	Y	
		Oxygen (O2)	%	N/A	100.00	3.94	20.98	9.43	N/A	
		Sulphur dioxide (SO2)	mg/m3	250	100.00	0.00	0.45	0.23	Y	
		Temperature	°C	N/A	100.00	12.22	174.46	139.05	N/A	
		TRS (as H2S)	mg/m3	3.6	100.00	0.00	1.40	0.71	Y	
November	14-Dec	Flow	Nm3/s	100	100.00	0.18	63.71	42.41	N/A	Instrument Error
		Hydrogen chloride	mg/m3	50	100.00	0.02	40.27	1.19	Y	
		Moisture	%	N/A	100.00	15.41	27.03	17.42	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	400	100.00	1.43	352.83	95.29	Y	
		Opacity	%	20	99.60	1.05	56.91	9.55	Y	
		Oxygen (O2)	%	N/A	100.00	0.01	20.94	7.23	N/A	
		Sulphur dioxide (SO2)	mg/m3	250	100.00	0.08	71.52	0.71	Y	
		Temperature	°C	N/A	100.00	120.12	173.80	165.71	N/A	
		TRS (as H2S)	mg/m3	3.6	100.00	0.01	2.33	0.81	Y	
December	14-Jan	Flow	Nm3/s	N/A	100.00	0.04	48.45	38.16	N/A	Auto Calibration
		Hydrogen chloride	mg/m3	50	100.00	0.00	26.64	1.27	Y	
		Moisture	%	N/A	100.00	15.30	26.54	17.48	N/A	
		Nitrogen Oxides (as NO2)	mg/m3	400	98.12	0.41	376.36	83.66	Y	
		Opacity	%	20	99.66	3.78	26.38	6.30	Y	
		Oxygen (O2)	%	N/A	100.00	5.70	22.04	8.10	N/A	
		Sulphur dioxide (SO2)	mg/m3	250	100.00	0.01	102.71	0.80	Y	
		Temperature	°C	N/A	100.00	107.70	171.97	162.35	N/A	
		TRS (as H2S)	mg/m3	3.6	100.00	0.00	1.05	0.34	Y	

Latest Publication Date: 14-Jan-25

Monitoring Location No: 22

Environment Protection Licence: 10232

Description: Exit point from Stack 2 to atmosphere

Reporting Period: July 2024 to June 2025

Monitoring Type: Grab Sample

Sample Type: Air

Pollutant	Unit of measure	Concentration		Sampling Freq	Date of Sample	Date of Report	Report No.	Data	Compliance (Yes/No)	Comments
		Limit								
Chlorine	mg/m3	100		Annual						
Sulfuric acid mist & sulfur trioxide (as SO3)	mg/m3	20		Annual						
TCDD (equivalent)	ng/m3	0.1		Annual						
Total Solid Particles	mg/m3	50		1st Qrt	20-Aug-24	20-Sep-24	R017569	18	Yes	
Total Solid Particles	mg/m3	50		2nd Qrt				36	Yes	
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