

Annual Air Quality

Richards Bay 2025 Annual Report

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Appendices

Appendix A: List of Abbreviations and Terms

Appendix B: Quality Assurance

Appendix C: Emission Inventory

Appendix D: Operational Report

Appendix E: Rainfall

Appendix F: Complaints Log

Appendix G: PM₁₀ Exceedance Log

Appendix H: PM_{2.5} Exceedance Log

Appendix I: SO₂ Exceedance Log

Appendix J: TRS Exceedance Log

1. INTRODUCTION

This 27th annual air quality report, provided by the Richards Bay Clean Air Association (RBCAA), offers a comprehensive overview of air quality monitoring data for 2025. It aims to provide a detailed analysis of meteorology, sulphur dioxide (SO₂), total reduced sulphur (TRS), and particulate matter (PM) levels measured by the RBCAAs monitoring network and a broader perspective on the overall air quality performance and long-term patterns in the region. The report gives stakeholders a comprehensive understanding of the air quality and is a valuable tool for decision-making, policy development, and environmental management. By consistently monitoring and reporting air quality data, the RBCAA promotes transparency, facilitates ongoing environmental assessments, and ensures the well-being of the local community and the surrounding environment. The monitoring network comprises eleven (11) stations (Figure 1.1 and Table 1.1); Airport, Felixton Met and Meerensee are meteorological stations and do not operate continuous air-quality analysers.



Figure 1.1: Map - local.

Table 1.1: Air quality station locations.

Site	Latitude (°)	Longitude (°)	Elevation (m)	UTM Zone 36S X (m)	UTM Zone 36S Y (m)
Airport	-28.738161	32.093332	33.99	411467	6820686
Arboretum	-28.752377	32.062791	25.20	408497	6819088
Brackenham	-28.731325	32.039059	56.28	406161	6821402
CBD	-28.744693	32.054851	32.26	407715	6819933
eSikhaleni	-28.865278	31.911679	14.54	393857	6806453
Felixton	-28.829255	31.893636	56.59	392060	6810428
Felixton Met	-28.836487	31.892513	27.87	391958	6809626
Harbour West	-28.787297	32.027133	7.36	405047	6815191
Meerensee	-28.772104	32.101308	14.89	412274	6816931
Richardia	-28.762769	32.066068	19.96	408826	6817939
Scorpio	-28.769694	32.034282	29.39	405729	6817147

Table 1.2: AirGradient monitor locations.

Site	Latitude (°)	Longitude (°)	Elevation (m)	UTM Zone 36S X (m)	UTM Zone 36S Y (m)
Airport	-28.738161	32.093332	33.99	411467	6820686
Brackenham	-28.731325	32.039059	56.28	406161	6821402
CBD	-28.744693	32.054851	32.26	407715	6819933
Empangeni	-28.734970	31.896245	109.85	392217	6820877
eSikhaleni	-28.865278	31.911679	14.54	393857	6806453
Felixton	-28.829255	31.893636	56.59	392060	6810428
Harbour West	-28.787297	32.027133	7.36	405047	6815191
Meerensee	-28.772104	32.101308	14.89	412274	6816931
Mtunzini	-28.959335	31.743905	84.00	377603	6795870
Richardia	-28.762769	32.066068	19.96	408826	6817939

2. NOTEWORTHY EVENTS AND RELATED PROJECTS

No major multi-day regional incidents comparable to the 2023 NCT fire were recorded during 2025; however, several notable episodic events were observed, including the Foskor acid plant gas-leak event on 12 January 2025 (Scorpio SO₂ exceedances) and odour/clinical complaints associated with industrial sources.

2.1. Monitoring Network Improvements

2.1.1. Load shedding mitigation:

- ▶ An inverter system with two Lithium-ion batteries was installed at Scorpio in August.
- ▶ The Richardia inverter system was upgraded to two Lithium-ion batteries (also in August).

2.1.2. AirGradient Network Expansion:

The AirGradient network was established towards the end of 2023 as a colocation study to verify the accuracy of its particulate measurements. It was later expanded in response to an RBCAA objective, adding monitoring capabilities for additional pollutants. Initially, there were only two sites, Harbour West and Richardia and only particulates (PM₁₀, PM_{2.5} and PM₁) were monitored. The network was expanded to Brackenham, CBD, eSikhaleni and Felixton in July 2024, and all the monitors were upgraded to measure volatile organic compounds (TVOC), nitrogen oxides (NO_x), and carbon dioxide (CO₂). The network was further upgraded in August 2025 with an additional four sites (Airport, Empangeni, Meerensee, and Mtunzini).

2.1.3. Particulate Monitoring Network Restoration

- ▶ The PM_{2.5} monitoring network was restored by the commissioning of a new e-sampler at Brackenham on the 12th of February. This replaced the TEOM that failed in 2024.

2.1.4. CAPEX:

Capital expenditure for 2025 included:

- ▶ 1 x SO₂ analyser
- ▶ 1 x TRS converter
- ▶ 1 x PM_{2.5} e-sampler
- ▶ 1 x TEOM pump
- ▶ 1 x Inverter
- ▶ 2 x Lithium-ion batteries
- ▶ 2 x Thomas pumps
- ▶ 5 x W-link Routers
- ▶ 4 x AirGradient Monitors
- ▶ 1 x Rain Guage

Additional Budget Items Included:

- ▶ Emission inventory (in progress, an updated ToR will be prepared in 2026)
- ▶ Website development
- ▶ A special project to upgrade the Envitech EnviDAS Ultimate software at 2 stations

2.2. IT System and Security:

ITPlus continues to manage the RBCAA IT system and provides monthly reports covering:

- ▶ Server status
- ▶ Personal PCs
- ▶ Dark web threat mitigation
- ▶ Security awareness training
- ▶ Overall security

2.2.1. Specific IT Projects

- ▶ UPS systems were installed on all seven (7) PC data loggers to prevent database corruption during inverter switching.
- ▶ The project to upgrade all routers to be 4G\LTE compliant was completed in 2025. This was in response to the South African Government's announcing plans to prohibit licensing 2G and 3G devices as part of its next-generation radio frequency spectrum draft policy. The policy also sets out the planned shutdown of 2G & 3G networks. This is still to be published as a formal policy, but the draft proposes the following: Commencement for the shutdown of the 2G and 3G services: 1 June 2025. Total shutdown of 2G and 3G services: 31 December 2027.
- ▶ Two more stations (Felixton and Richardia) were upgraded to PC dataloggers with EnviDAS Ultimate software.
- ▶ The RBCAAs virtual server's Microsoft Windows operating system reaches end of life on 12 January 2027. The rebuild of the virtual machine is planned for September/October 2026.

2.3. Dust-fallout Monitoring

In response to the particulate matter concerns in Richards Bay, the RBCAA initiated dust fallout monitoring in September 2023. During 2025, the focus was on six (6) strategic locations (Table 2.1).

Table 2.1: Dust-fallout monitoring sites.

Station	Latitude	Longitude
Alton South	-28.761389	32.007222
Aquadene Primary	-28.712778	32.034722
CBD	-28.744719	32.054805
Harbour West	-28.787286	32.027065
Lizwi Secondary School	-28.742222	32.098889
Richardia Primary School	-28.762776	32.066072

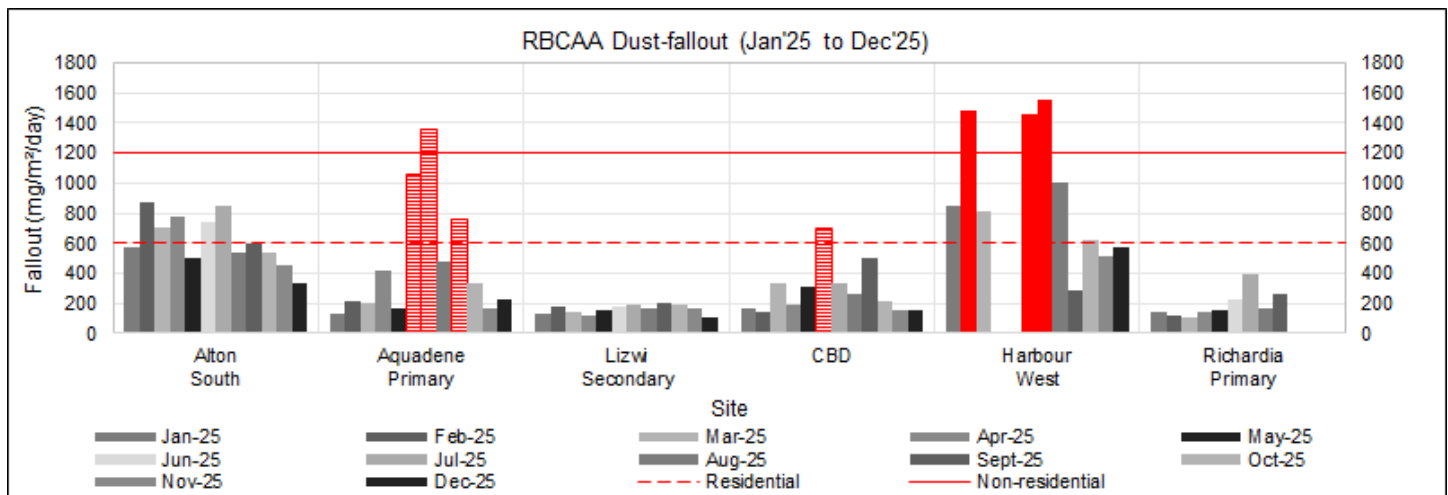


Figure 2.1: Dust-fallout monitoring results 2025

Table 2.2: Dust-fallout monitoring 2025.

Site	1	2	3	4	5	6	Exposure	Sample
	Alton South	Aquadene Primary	Lizwi Secondary	CBD	Harbour West	Richardia Primary	Days	Recovery
Residential		600	600	600		600		
Non-residential	1200				1200			
Jan-25	568	127	131	167	844	139	28	100%
Feb-25	875	215	182	140	1480	120	28	100%
Mar-25	701	204	140	329	808	101	28	100%
Apr-25	777	415	119	196	ND	143	28	83%
May-25	496	162	153	310	ND	157	32	83%
Jun-25	745	1061	181	699	1463	232	28	100%
Jul-25	851	1361	189	332	1549	390	29	100%
Aug-25	537	479	168	258	1002	163	30	100%
Sept-25	594	756	197	498	290	260	32	100%
Oct-25	537	338	185	212	621	ND	31	83%
Nov-25	455	168	166	159	517	ND	32	83%
Dec-25	339	230	101	154	578	ND	31	83%

Note: ND = no valid reported dustfall rate (non-recovery/invalid/missing); not counted as an exceedance, but counted as missing for completeness.

Compliance basis and treatment of missing results. Dust-fallout compliance is assessed against the National Dust Control Regulations (2013) dustfall rate limits and the associated permitted exceedance frequency (i.e., an exceedance is only regarded as compliant if it falls within the allowable exceedance frequency specified in the Regulations for the applicable land-use category). For this assessment, “exceedance” refers to any measured dustfall rate above the applicable limit; the annual compliance conclusion considers both the magnitude and the number/frequency of exceedances. Results reported as “ND” indicate no reported/valid dustfall rate for that sampling period (e.g., non-recovery, invalid sample, or missing analysis) and are excluded from exceedance counts but reduce data completeness, which lowers confidence in annual compliance interpretation where non-recoveries are frequent.

Table 2.3: Compliance

Period	Sites that have exceeded limits	Site Description
2025	3	Aquadene Primary - June, July, Sep 2025 CBD - June 2025 Harbour West - February, June, July 2025
Consecutive months	2	Aquadene Primary - June and July 2025 Harbour West - June 2025, July 2025
Restriction Areas	Dust fall rate (D) (mg/m ² /day, 30-day average)	Permitted frequency of exceeding the dust fall rate
Residential area	D < 600	Two within a year, not sequential months
Non-residential area	600 < D < 1200	

Dust-fallout rates were generally below the applicable criteria; however, Harbour West exceeded the non-residential criterion (1,200 mg/m²/day, 30-day average) in February, June and July 2025 (including consecutive exceedances in June–July). Aquadene Primary exceeded the residential criterion (600 mg/m²/day) in June, July and September 2025. In terms of the permitted exceedance frequency (maximum two per year and not in sequential months), both sites are therefore non-compliant for 2025. Non-recoveries at Harbour West (April–May) and Richardia Primary (October–December) reduce confidence in annual characterisation and should be addressed through improved sample recovery and field QA/QC.

3. QUALITY SYSTEM (ISO 9001:2015)

3.1. 2025 Audit Performance & Management

The RBCAA demonstrated a high standard of operational excellence through a series of internal and external audits in 2025. **All findings identified during these processes have been actioned and resolved within satisfactory timeframes.**

- ▶ Internal Audit | eSikhaleni Station (11 March 2025):
 - Result: Clean audit; no findings.
- ▶ Internal Audit | Harbour West Station (11 August 2025):
 - Result: No non-conformances; improvement opportunities noted.
 - Action taken: Observations relating to fire risk and structural integrity were addressed promptly, and follow-up verification confirmed close-out.
- ▶ Systems Audit (12–13 August 2025):
 - Result: All identified findings have been successfully cleared.
- ▶ Management Review (21 August 2025):
 - A formal review of the Quality Management System (QMS) was performed. The system was officially considered Suitable, Adequate, and Effective in meeting the organisation's quality objectives.
- ▶ External ISO 9001:2015 Audit (10 September 2025):
 - Result: Zero non-conformances; two improvement requests noted.

Certification: The RBCAA has been successfully **recertified until March 2029**.

2025 Strategic Objectives

Three objectives were set for 2025. The following medium-term objectives (4 months to 2 years) are currently in progress, and the status updates for the 2025 cycle are as follows:

Table 3.1: Strategic Objectives 2025

Strategic Objective	Progress
Website Upgrade	35%
RBCAA & CALPUFF Dispersion Model Update (Emission Inventory)	25%
AirGradient Network Expansion	65%

4. OPERATIONS

The network was maintained according to the network calibration and maintenance schedule as well as by weekly station checks.

4.1. Data Completeness

Data capture in Tables 2.1–2.2 is reported as the proportion of time-resolved observations (per station and parameter) that remain after routine QA/QC screening (instrument uptime, calibration/validation checks, and removal of invalid periods) relative to the theoretical maximum record count for the reporting period and sampling interval. Because low capture can bias exceedance-frequency statistics and longer-term means, interpretation of compliance and trends is made with explicit consideration of capture, consistent with the NAAQS requirement that ambient assessments be conducted in terms of the National Framework for Air Quality Management.

Table 4.1: Meteorological data capture.

Station	Availability (%)	Wind (%)	Temperature (%)	RH (%)	Pressure (%)	SR (%)	Rain (%)
Airport	99	96	99	99	99	99	-
Arboretum	99	97	99	-	-	-	-
Brackenham	99	98	94	-	-	-	-
CBD	98	97	98	98	-	-	-
CBD Rain	98	-	-	-	-	-	98
eSikhaleni	100	100	100	100	-	-	-
Felixton Met	99	99	99	99	-	-	-
Harbour West	100	100	100	-	-	-	-

Notes:

1. Red - Not acceptable for statistical purposes (<80%),
2. Orange – Does not meet SANAS data capture requirements (<90%),
3. Yellow – Below the RBCAA reporting target(<95%)

- Missing Data: Temperature: Brackenham – The ambient temperature probe at this location malfunctioned on the 12th of January. A new probe was ordered and installed on 30 January 2025.

Table 4.2: Pollutant data capture.

Station	Availability (%)	PM ₁₀ (%)	PM _{2.5} (%)	SO ₂ (%)	TRS (%)
Arboretum	99	-	-	98	-
Brackenham	99	-	-	99	-
Brackenham ES2	87	-	87	-	-
CBD	98	-	-	97	98
CBD ES1	98	98	-	-	-
eSikhaleni	100	99	-	99	99
Felixton	99	-	-	98	99
Felixton ES1	100	100	-	-	-
Felixton ES2	98	-	98	-	-
Harbour West	100	-	-	98	-
Harbour West ES2	100	-	100	-	-
Richardia	99	99	-	97	95
Scorpio	98	-	-	98	-
Scorpio ES1	99	99	-	-	-
Scorpio ES2	99	-	99	-	-

Notes:

1. Red - Not acceptable for statistical purposes (<80%),
2. Orange – Does not meet SANAS data capture requirements (<90%),
3. Yellow – Below the RBCAA reporting target(<95%)

► Missing Data: PM_{2.5}: Brackenham ES2 – This instrument was commissioned on 12 February 2025.

5. METEOROLOGY

This section summarises the key meteorological drivers (wind and rainfall) relevant to the interpretation of ambient air-quality patterns in the Richards Bay airshed. Wind direction and speed determine plume transport pathways and dilution, while rainfall influences dust suppression and wet deposition.

5.1. Wind Roses

Annual wind roses for 2023 to 2025 from the Arboretum meteorological station are presented in Figure 5.1. The distribution is bi-modal, with dominant flow along the N to NE and SSW to WSW sectors. In the Richards Bay coastal setting, this typically reflects (i) onshore/along-coast flow under fair-weather synoptic conditions (often reinforced by sea-breeze circulation) and (ii) more southerly to westerly flow linked to coastal lows and frontal passages. These regimes are essential for interpreting ambient concentrations because they define the principal upwind sectors and the likelihood of transport or recirculation toward the monitoring network.

Wind roses summarise the frequency distribution of wind direction and wind speed over a defined period and help link observed pollutant concentrations to potential source sectors. Low-wind conditions are particularly relevant because they are typically associated with reduced dilution and a greater potential for near-surface accumulation.

Seasonal wind roses (Figure 5.2) indicate a higher contribution of light (1 to 3 m/s) to moderate (3 to 6 m/s) NNW winds during autumn and winter, consistent with more frequent nocturnal land-breeze/drainage conditions and generally more stable boundary-layer stratification. During spring and early summer, there is an increase in fresh (6 to 8 m/s) to strong (> 8 m/s) N to NE winds, which enhances dilution but can transport emissions efficiently along the coastline and across the central receptor area. Strong southerly to SSW winds occur throughout the year and are typically associated with coastal lows and cold fronts; these events often coincide with increased mechanical turbulence and rapid changes in transport direction.

Diurnal wind roses (Figure 5.3) highlight the sea-breeze/land-breeze cycle typical of the Richards Bay coastal plain. Daytime heating promotes a stronger onshore component (commonly from the N to NE quadrant) and improved dispersion, while night-time cooling favours offshore or along-coast flow (often in the SSW to WSW quadrants) with a higher frequency of low-wind conditions. From an air-quality perspective, the early morning period is commonly associated with poorer dispersion (lower mixing heights and lighter winds), whereas the afternoon period generally exhibits enhanced dilution.

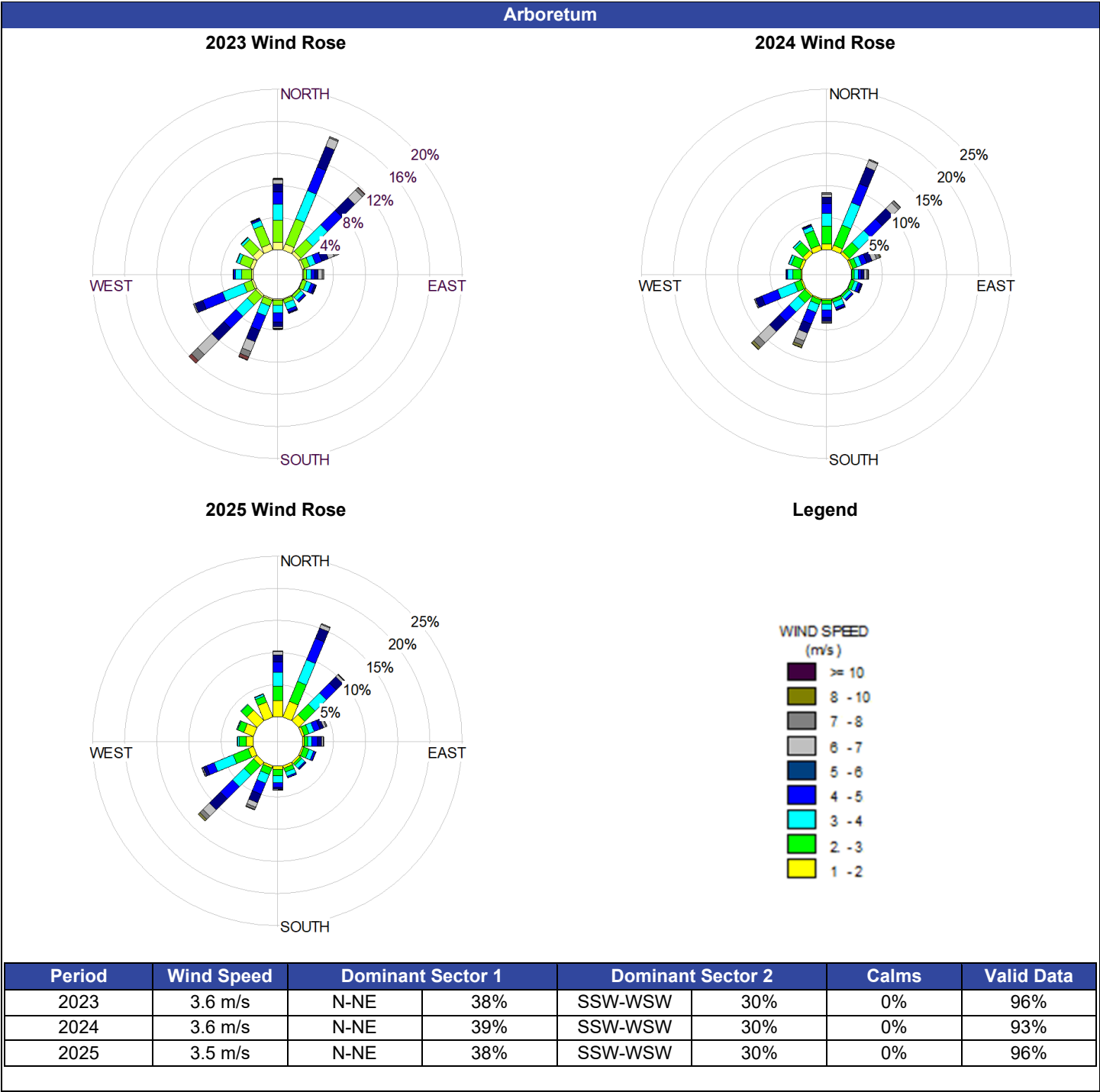


Figure 5.1: Annual wind roses (2023 to 2025).

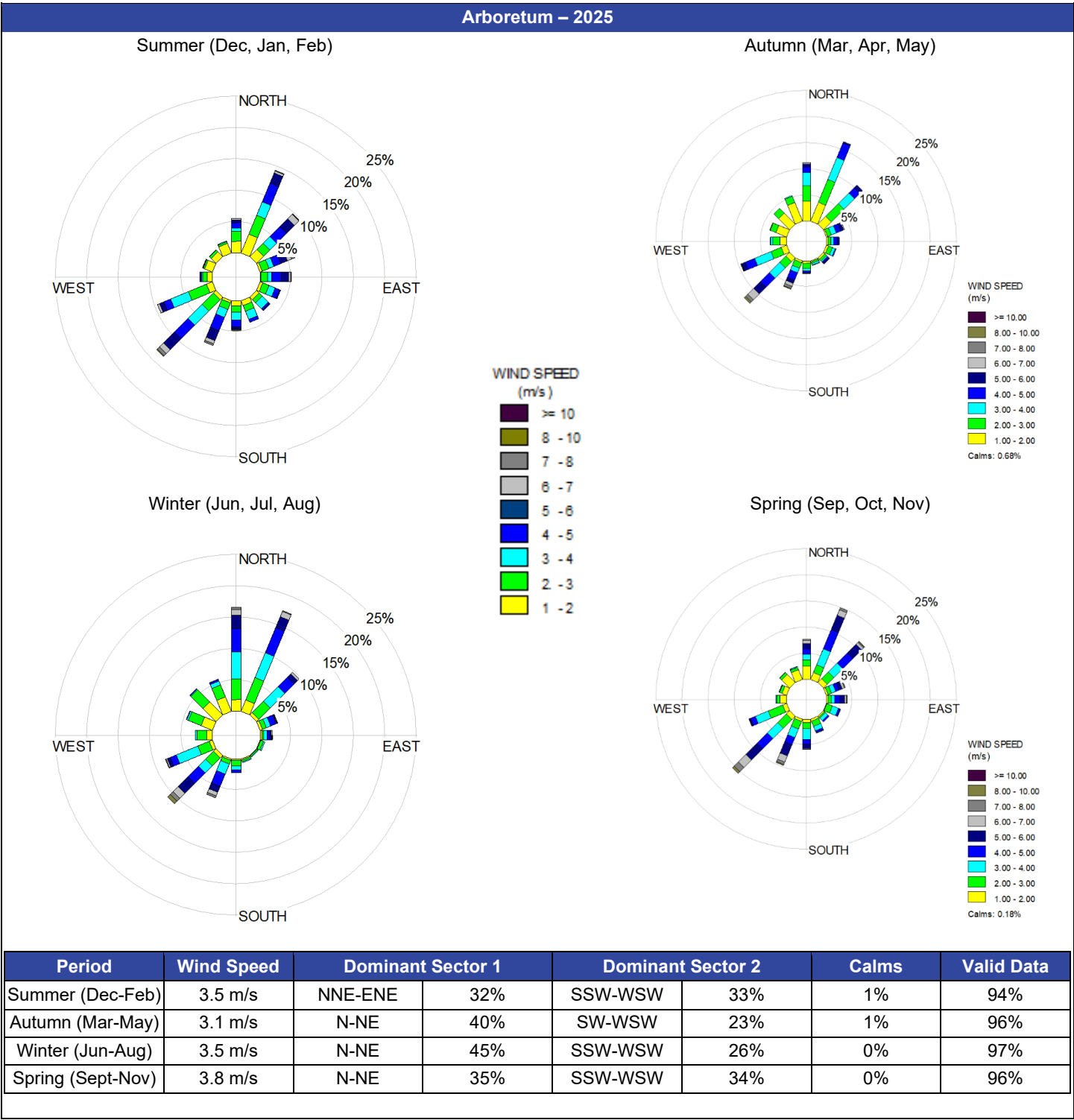


Figure 5.2: Wind roses - seasonal.

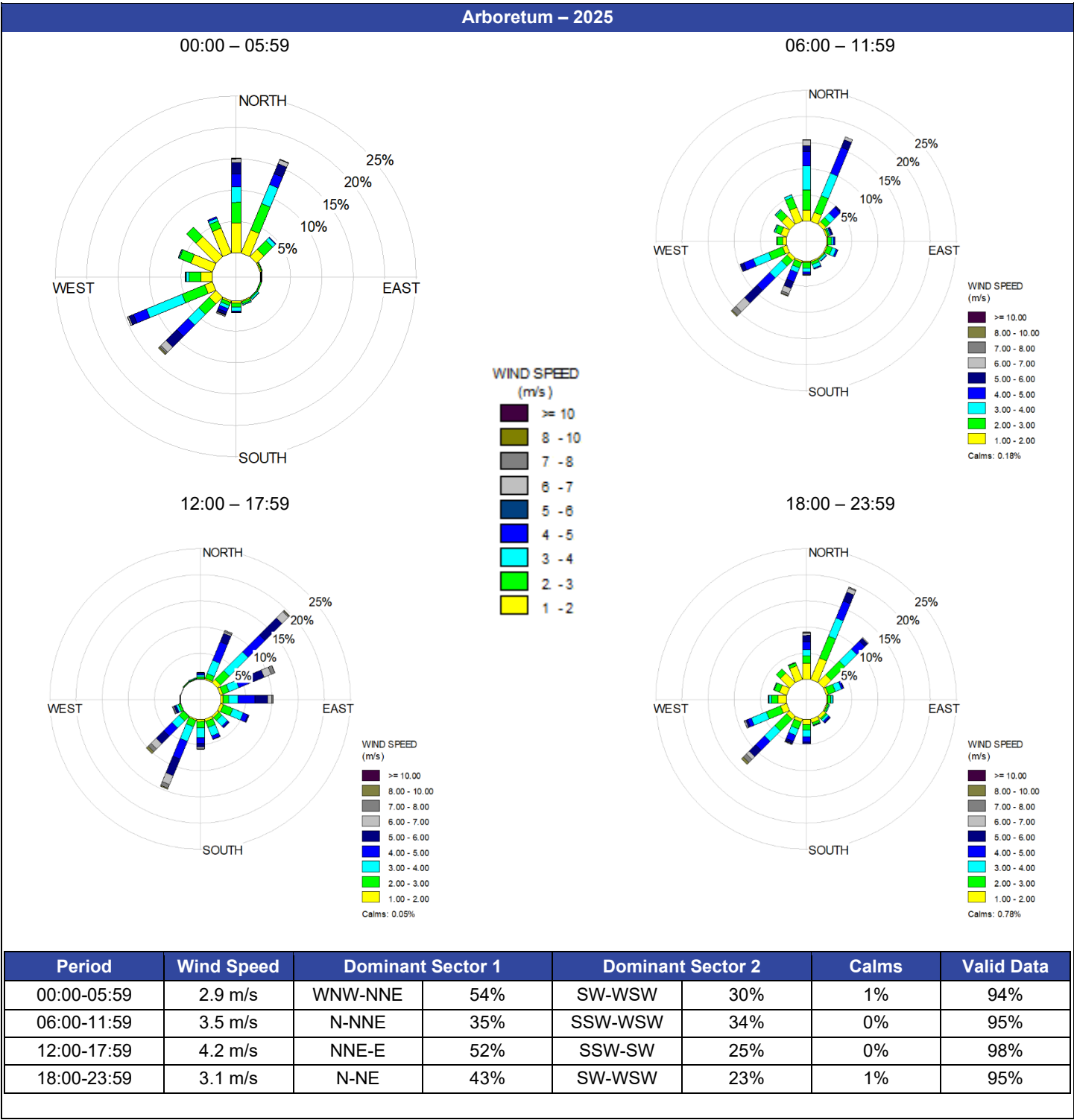


Figure 5.3: Wind roses - diurnal.

5.2. Rainfall

Precipitation is measured at four locations (Richards Bay - CBD, Felixton – THS, Richards Bay - RBCT, and Richards Bay - South32). Network-average rainfall (Table 3.1; Figure 3.5) is calculated as the arithmetic mean of the available station totals for each month (n = 3–4) and is rounded to the nearest millimetre. The average rainfall across the network during 2025 was 1,831 mm, 47% higher than that received in 2024 (1,245 mm) and 22% higher than the network average for the previous five years (1,496 mm) (Figure 3.4 to Figure 3.9, and Table 3.1). The annual increase during 2025 was driven mainly by an exceptionally wet February (296 mm) and April (395 mm), while late-winter conditions (August: 11 mm) were arid (Table 3.1). Higher rainfall suppresses resuspension and reduces fugitive dust emissions and can enhance wet deposition of soluble pollutants; rainfall conditions should therefore be considered when interpreting inter-month variability in PM and gaseous concentrations. See Appendix E for tables.

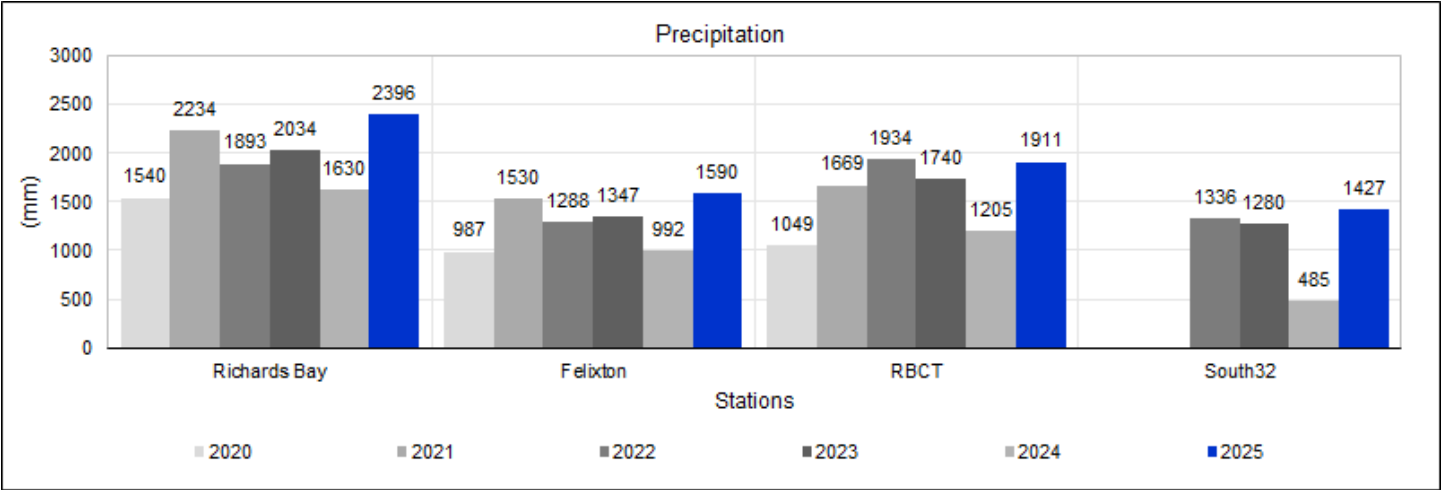


Figure 5.4: Network annual rainfall 2020 - 2025

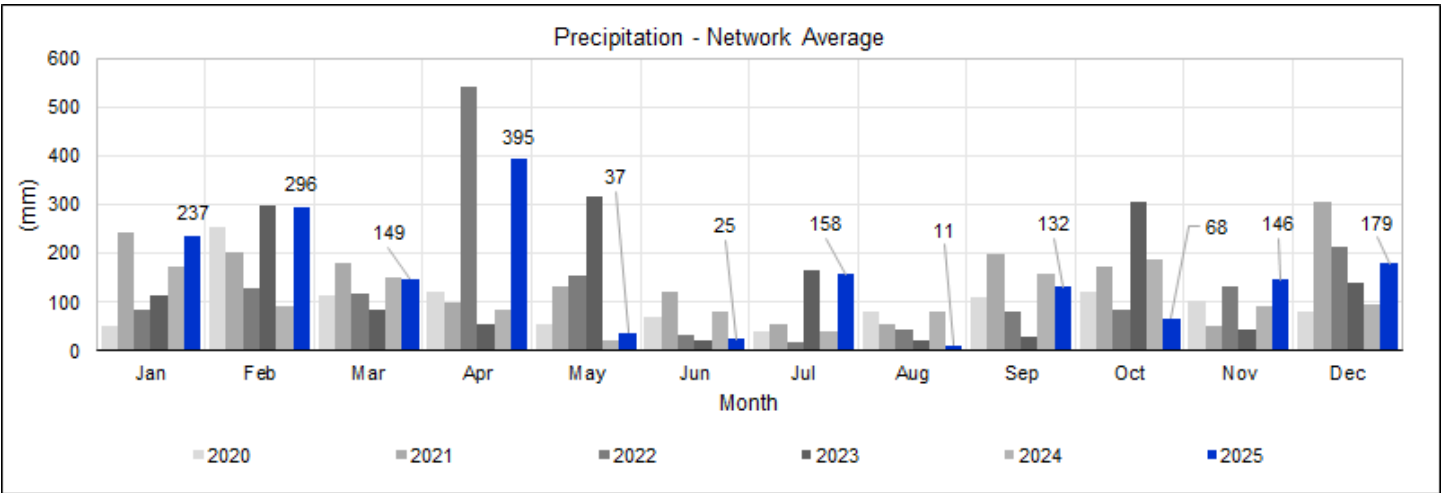


Figure 5.5: Network monthly rainfall - 2020 to 2025

Table 5.1: Network monthly rainfall - 2020 to 2025

Month	2020	2021	2022	2023	2024	2025
Jan	50	242	83	113	173	237
Feb	252	202	129	300	91	296
Mar	112	179	117	85	153	149
Apr	119	100	541	55	83	395
May	54	131	156	318	21	37
Jun	70	121	34	20	82	25
Jul	41	53	19	167	38	158
Aug	79	56	43	20	79	11
Sep	111	198	81	29	157	132
Oct	120	171	84	307	186	68
Nov	102	50	134	43	90	146
Dec	82	307	215	141	94	179
Total	1192	1811	1633	1597	1245	1831

Note: Network monthly rainfall is derived from the station totals in Appendix E. Monthly means are computed from the available gauges (n = 3–4); South32 data are not available for 2020–2021 and are intermittent during 2024. Values are rounded to the nearest millimetre.

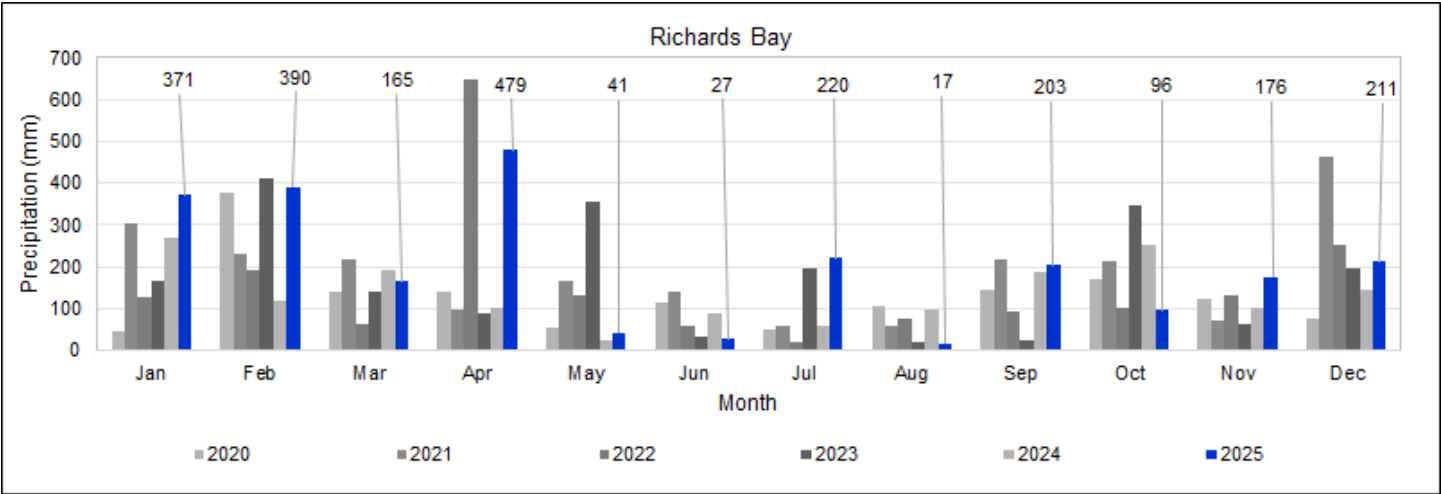


Figure 5.6: Rainfall –Richards Bay.

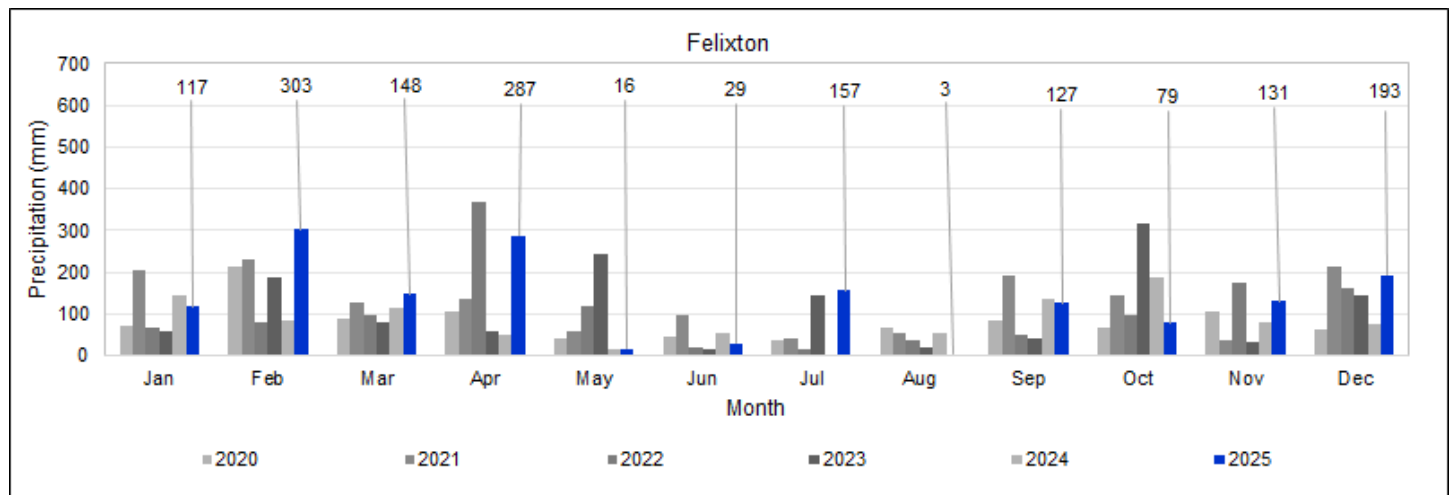


Figure 5.7: Rainfall – Felixton.

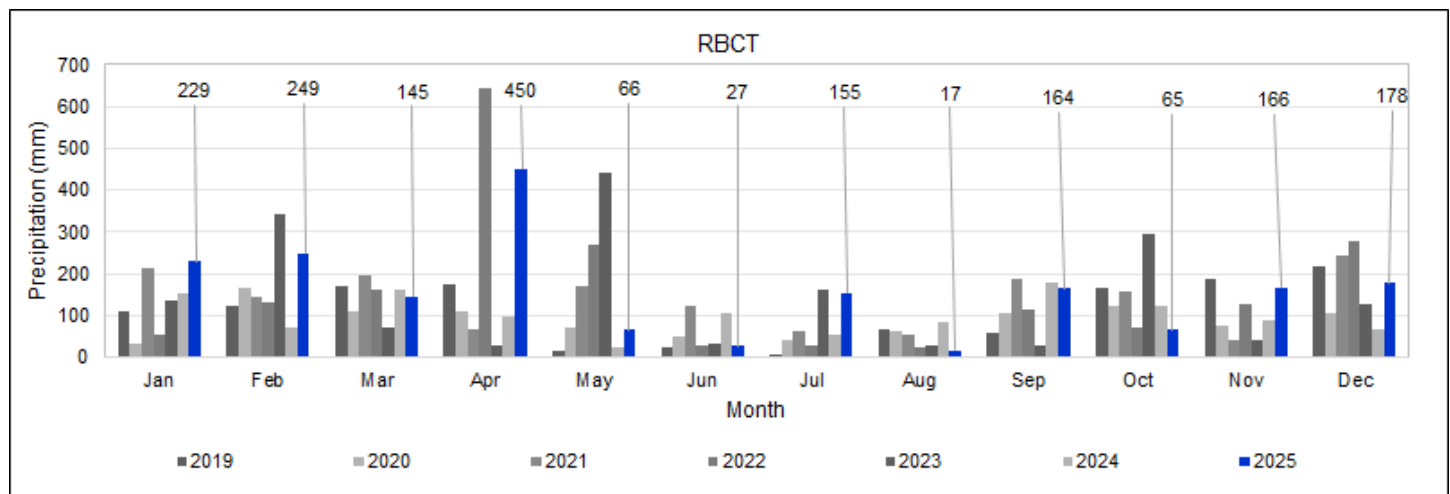


Figure 5.8: Rainfall – RBCT.

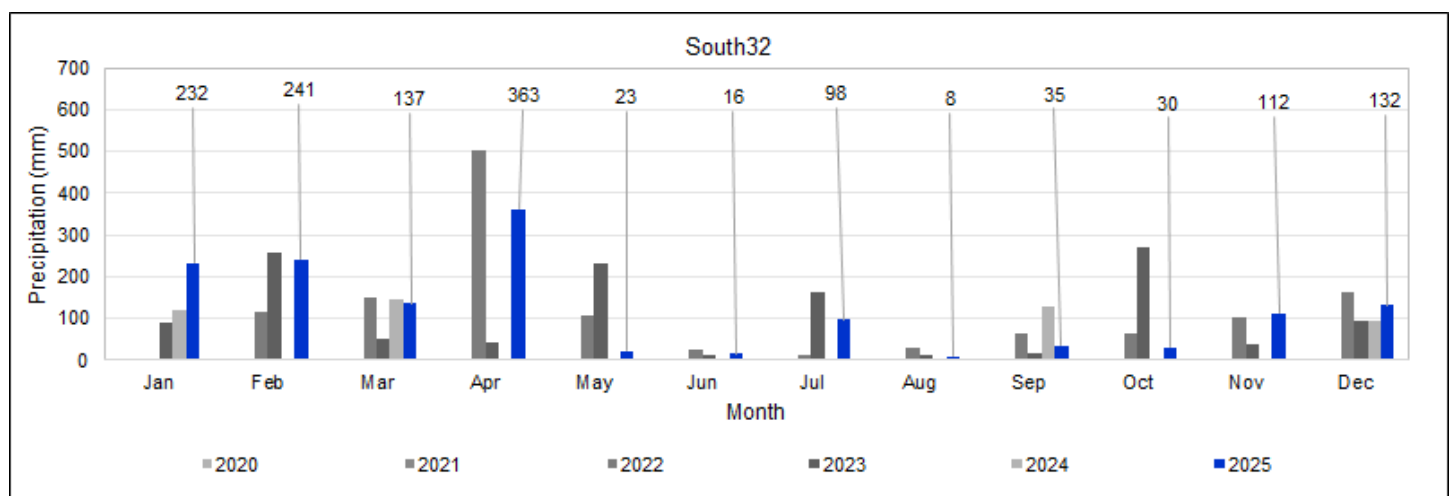


Figure 5.9: Rainfall – South32.

6. AIR QUALITY COMPLAINTS

Detailed complaint records are maintained, updated and distributed weekly to the RBCAA complaints mailing list. This section summarises and analyses the complaints received; see Appendix F for the 2025 Complaints Log. The complaints log is primarily an indicator of community impact and a trigger for follow-up; it is not a direct measure of ambient compliance with air quality standards. Complaints are recorded with (where provided) the date/time, complainant location, perceived impact (odour, visible emissions and/or health symptoms) and any supporting observations (e.g., wind direction).

6.1. Annual Comparison

The long-term annual trend since 2000 is shown in the yearly comparison figure in this section. From 2005 to 2017, a downward trend was observed; however, complaint totals have increased and stabilised over approximately the last five years (Figure 6.1).

Trend analysis (annual totals): A Mann–Kendall test on annual complaint totals for 2000–2025 indicates no statistically significant monotonic trend (Sen slope +5.2 complaints/year; $p=0.21$). From 2005 to 2017, complaints decreased significantly (Sen slope –14.9 complaints/year; $p=0.012$), while 2018–2025 shows no monotonic trend ($p=1.00$), influenced by incident-driven variability (e.g., 2022: 875 complaints) (Mann, 1945) (Kendall, 1975) (Sen, 1968).

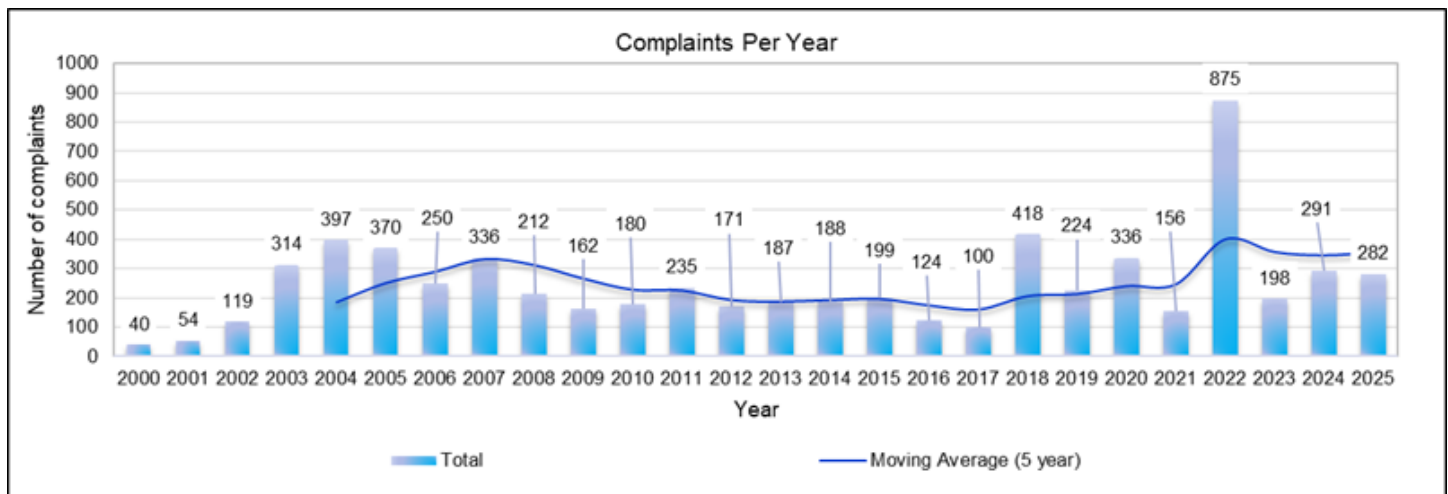


Figure 6.1: Complaints – annual comparison.

Notable incidents (≥ 100 complaints linked to a single event) include:

- ▶ May 2020 – Emergency/backup power to the Mondi non-condensable gas system failed, resulting in odorous emissions from venting points (159 complaints).
- ▶ February 2022 – This incident was linked to the release of SO_2 and SO_3 gas from Foskor; responsibility has not been accepted by the operator (370 complaints).
- ▶ September 2022 – Particulate complaints associated with increased coal throughput and truck congestion at the Port of Richards Bay, allocated to Transnet Port Terminals (259 complaints; not attributable to a single discrete incident).

6.2. Complaints 2025

Two hundred and eighty-two (282) air quality complaints were received in 2025, compared to two hundred and ninety-one (291) complaints in 2024 (Figure 6.2). The April 2025 Mondi bursting-disc incident accounted for 182 complaints (≈65% of the 2025 total); excluding this single event, 2025 complaints would have been 100 (Figure 4.2).

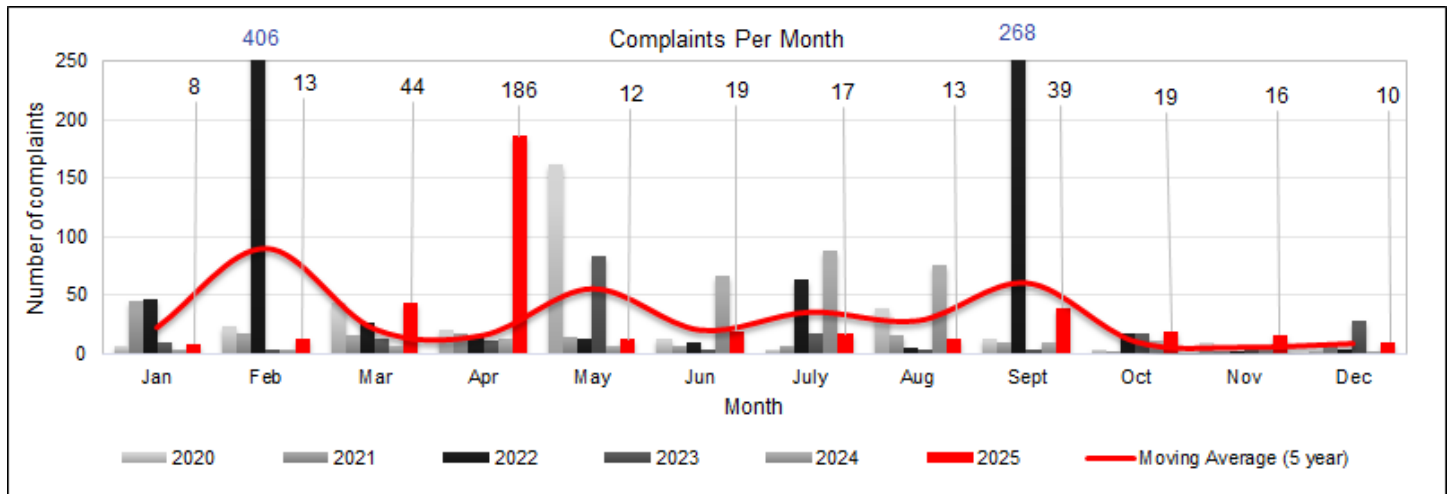


Figure 6.2: Complaints - historical monthly comparison.

Notable incidents in 2025 (≥ 10 complaints linked to a single event) were recorded in:

- ▶ March 2025:
 - Tronox – red dust from the Fairbreeze mine affecting Mtunzini (17 complaints).
 - Mondi – over-pressurisation of the CPX tank (16 complaints).
- ▶ April 2025:
 - Mondi - ruptured bursting disc on the non-condensable gas line to the flare (182 complaints).
- ▶ June 2025:
 - Mondi - non-condensable gas leaks (10 complaints).
- ▶ September 2025:
 - City of uMhlathuze – overflow of untreated effluent from the sewer reticulation infrastructure (12 complaints).
 - Transnet Port Terminals – coal dust (14 complaints).
- ▶ October 2025:
 - Mondi – secondary effluent treatment plant (14 complaints).

The distribution of complaints in 2025 and 2024 by region, type and allocation is summarised below.

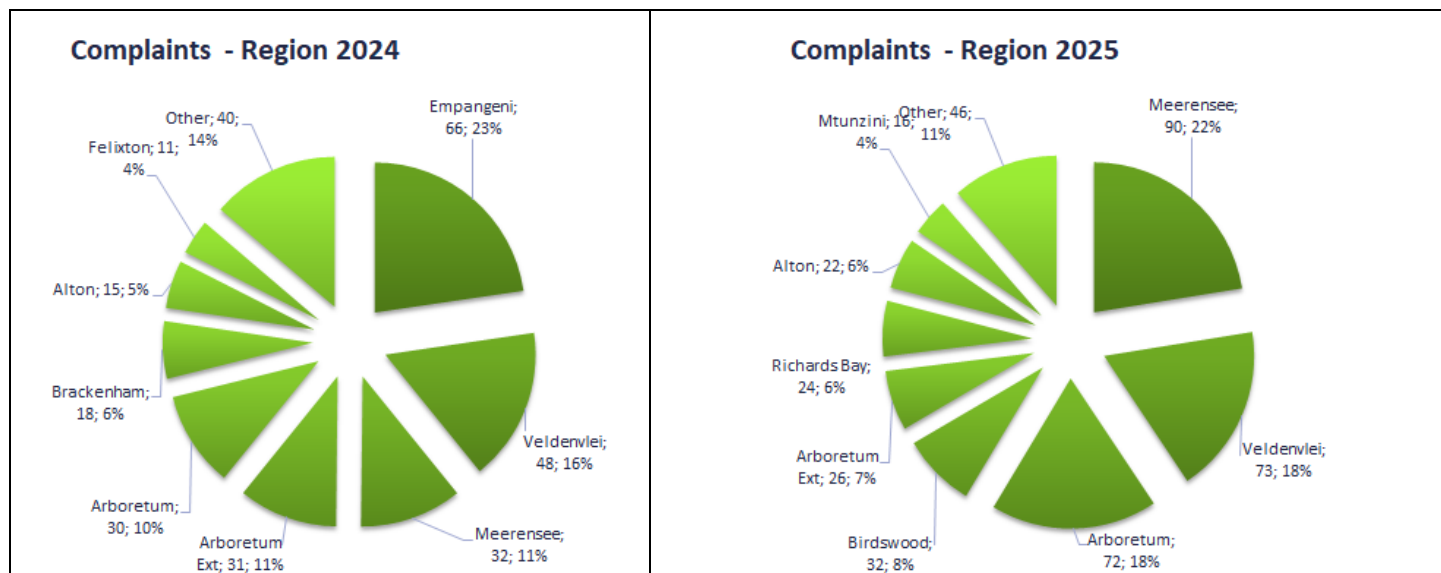


Figure 6.3: Complaints - region.

► **Region** (Figure 6.3):

- 2025: Meerensee (22%), Veldenvlei (18%), Arboretum (18%), and other (41%).
- 2024: Empangeni (23%), Veldenvlei (16%), Meerensee (11%), Arboretum Ext (11%), Arboretum (10%), and other (29%).

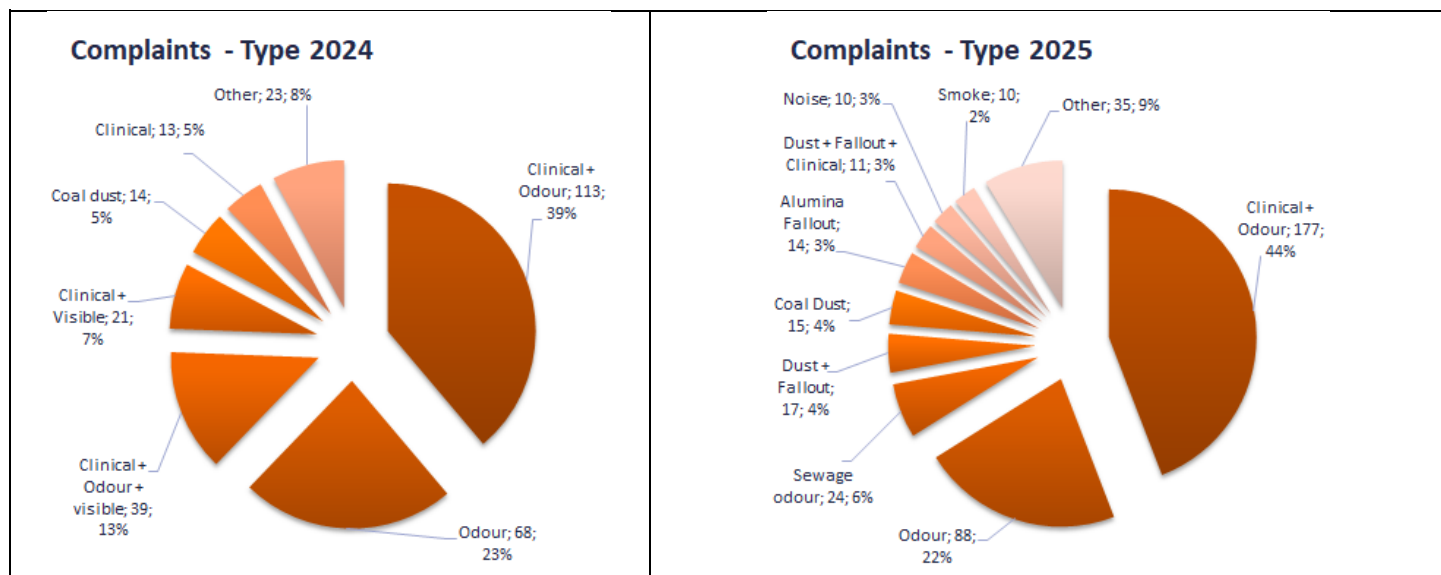


Figure 6.4: Complaints - type.

► **Type** (Figure 6.4):

- 2025: Clinical + Odour (44%), Odour (22%) and other (34%).
- 2024: Clinical + Odour (39%), Odour (23%), Clinical + Odour + Visible (13%), other (24%).

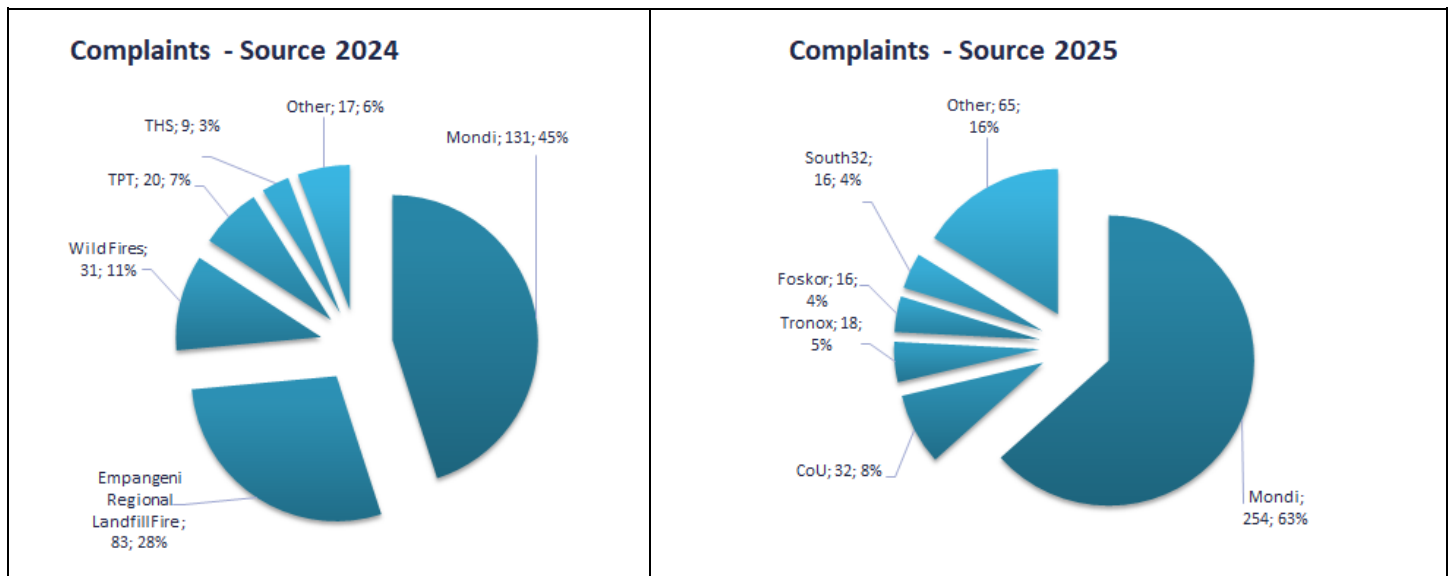


Figure 6.5: Complaints - source.

► **Allocation (Figure 6.5):**

- 2025: Mondi (63%), and others (37%).
- 2024: Mondi (45%), Empangeni Regional Landfill; Fire (28%), Wildfires (11%), other (16%).

6.3. Conclusion

Regional distributions (Figure 6.3) reflect where complainants are located rather than the plume footprint; the 'other' category aggregates low-frequency suburbs and records with incomplete location information. Complaint clusters should therefore be interpreted primarily through time-coincidence with the wind field, measured pollutant excursions, and confirmed operational incidents rather than suburb totals alone.

Complaint type (Figure 6.4) is based on the complainant description and should be treated as a screening signal (odour, visible emissions and self-reported clinical symptoms). These categories are subjective and are not medically verified; where possible, they should be corroborated using monitoring data (SO_2 , TRS/ H_2S and PM) and incident investigations.

Complaints during 2025 were strongly incident-driven: the April 2025 Mondi bursting-disc event accounted for 182 complaints (~65% of the annual total). Excluding this event, 2025 complaint volumes were materially lower and more comparable to background levels. In line with the 2025 yearly air-quality assessment, complaint follow-up should prioritise (i) $\text{PM}_{2.5}$ episode investigation at Brackenham, Scorpio and Felixton, (ii) SO_2 24-hour exceedance-day investigations affecting Scorpio, and (iii) TRS/ H_2S odour-event management with a focus on THS-related impacts at Felixton and Mondi-related impacts at CBD.

7. AIR QUALITY STANDARDS AND GUIDELINES

An air quality guideline and an air quality standard are two different approaches to assessing and managing air pollution levels. However, they have similar objectives of protecting public health and the environment. The difference between the two is as follows:

Air Quality Guidelines (WHO):

Air Quality Guidelines, such as those established by the World Health Organisation (WHO), are developed based on scientific evidence to provide guidance on acceptable levels of air pollutants for protecting public health. They serve as recommendations for countries and communities to establish their air quality standards and develop policies and measures to improve air quality.

WHO guidelines focus on identifying pollutant concentrations that, when exceeded, might pose health risks to vulnerable populations. They are typically more conservative, aiming to achieve the highest level of health protection. These guidelines consider health effects and scientific research on the impacts of air pollution, and they are periodically reviewed and updated as new evidence emerges.

Air Quality Standards:

Air Quality Standards, on the other hand, are legally binding regulations or limits set by governmental or regulatory bodies to control and manage air pollution within a specific country or region. These standards establish maximum allowable concentrations of pollutants in the air that are deemed acceptable for human health and the environment based on local considerations, scientific research, and the country's socioeconomic context.

Air Quality Standards are often developed by national or regional environmental agencies in collaboration with scientific experts, government bodies, and stakeholders. They are legally enforceable limits that industries and other pollution sources must comply with. Violations of these standards can lead to penalties and enforcement actions.

While both Air Quality Guidelines and Air Quality Standards aim to protect public health and the environment, guidelines are typically non-binding recommendations, whereas standards are legally enforceable regulations. Air Quality Guidelines provide a scientific basis for nations to establish their own Air Quality Standards according to their unique contexts. In contrast, Air Quality Standards are developed to address specific local air pollution challenges and establish compliance requirements.

Application in this report:

Unless stated otherwise, the compliance benchmark used in this report is the South African National Ambient Air Quality Standards (NAAQS) promulgated under the National Environmental Management: Air Quality Act (NEMAQA) for criteria pollutants (e.g., PM₁₀, PM_{2.5}, SO₂, NO₂, O₃, CO, benzene and lead).

Health-based screening comparisons are also made to the WHO Air Quality Guidelines (AQGs) (including the 2005 and 2021 updates). These guideline values are not regulatory standards; exceedances indicate potential elevated health risk (especially for sensitive groups) but do not constitute legal non-compliance.

For pollutants without a South African ambient standard (e.g., Total Reduced Sulphur (TRS), reported as H₂S-equivalent), internationally recognised odour/irritation-based benchmarks are used for interpretation (e.g., the WHO 30-minute H₂S guideline and the Ontario Ministry of the Environment 10-minute TRS guideline).

Comparisons are performed on validated averages consistent with the stated averaging period. Where a standard includes an exceedance allowance (e.g., a maximum number of exceedances per year), this is applied for NAAQS reporting; where no allowance exists (WHO guideline levels), each exceedance event is reported.

Where guideline/standard values are expressed in different units (µg/m³ vs ppb), conversions in this report are based on the ideal-gas relationship at 25 °C and 1 atm (molar volume = 24.45 L/mol) (DEFRA, 2005). The promulgated standards should be interpreted in their stated units and under their stated reference conditions; converted values are provided for convenience only.

Occupational exposure limits are not applied in this report; the benchmarks above are intended for outdoor ambient air and the general population.

8. FINE PARTICULATE MONITORING

"Particulate Matter" (PM) refers to solid particles and liquid droplets in the atmosphere. Many anthropogenic and natural sources emit PM directly or other pollutants into the atmosphere to form PM. These solid and liquid particles can vary in size. For example, particles less than 10 micrometres (μm) in aerodynamic diameter are classified as PM_{10} and particles less than 2.5 micrometres (μm) in aerodynamic diameter as $\text{PM}_{2.5}$.

Fine particulates can be inhaled and accumulate deep within the respiratory system. Therefore, exposure to sustained high concentrations may result in the following:

- ▶ Reduced lung development in children
- ▶ Allergy-related inflammatory reactions of the airway
- ▶ Asthma, nasal congestion, and sinus problems
- ▶ Increase in symptoms associated with the lower respiratory tract
- ▶ In severe cases, a reduction in life expectancy

Supporting evidence: WHO's 2021 Global Air Quality Guidelines conclude that adverse health effects occur even at low $\text{PM}_{2.5}$ concentrations and recommend progressively lowering exposures; the U.S. EPA PM Integrated Science Assessment similarly identifies causal associations between PM exposure and cardiopulmonary morbidity and mortality. (WHO, 2021) (US-EPA, 2019).

TEOM instruments provide continuous PM measurements at selected RBCAA stations, including eSikhaleni and Richardia. PM monitoring at Brackenham, CBD, Felixton, Harbour West and Scorpio is performed using E-samplers.

Instrumentation note: The TEOM® 1400ab (tapered element oscillating microbalance) is a continuous, filter-based gravimetric method and is designated by the U.S. EPA as an equivalent method for PM_{10} (EQPM-1090-079) (US-EPA, 2025) (TFS, 2007). As with other heated-inlet TEOM configurations, losses of semi-volatile material may occur under some conditions; this is managed operationally through standardised configuration and QA/QC. The Met One E-Sampler (MO, 2019), is a nephelometer with an on-board filter sampler, producing real-time mass concentration estimates that require local calibration/verification against a gravimetric/TEOM reference.

8.1. Ambient Air Quality Standards

Ambient air quality standards for particulates are listed below (Table 8.1).

Table 8.1: Particulate ambient air quality limits.

Organisation	Limit	PM ₁₀		PM _{2.5}	
		24-hour Average	Annual Average	24-hour Average	Annual Average
		(µg/m ³)	(µg/m ³)	(µg/m ³)	(µg/m ³)
RSA [a, d]	Standard	75 [b]	40 [c]	40 [b]	20 [c]
WHO [e]	Interim Target 1	150 [c]	70 [c]	75 [c]	35 [c]
	Interim Target 2	100 [c]	50 [c]	50 [c]	25 [c]
	Interim Target 3	75 [c]	30 [c]	37.5 [c]	15 [c]
	Interim Target 4	50 [c]	20 [c]	25 [c]	10 [c]
	Guideline	45 [c]	15 [c]	15 [c]	5 [c]

Notes:

- a) Government Gazette 32816 (24 December 2009) in terms of the National Environmental Management: Air Quality Act No. 39 of 2004, effective from 1 January 2015 (RSA-NEMAQA, 2009).
- b) Not to be exceeded more than four (4) times per site in one year.
- c) Not to be exceeded.
- d) Government Gazette 35463 (29 June 2012) in terms of the National Environmental Management: Air Quality Act No. 39 of 2004, effective from 1 January 2016 (RSA-NEMAQA, 2012).
- e) World Health Organisation (WHO, 2021).

8.2. Annual Concentrations

Annual average PM_{10} concentrations dating back to 2004 are illustrated in Table 8.2 and Figure 8.1, and $PM_{2.5}$ concentrations since 2021 in

Table 8.3 and Figure 8.2.

Trend analysis (annual means): For PM₁₀, Mann–Kendall testing of annual means indicates statistically significant decreases at CBD (2004–2025; Sen slope $-0.65 \mu\text{g}/\text{m}^3/\text{year}$; $p=0.006$), eSikhaleni (2014–2025; $-1.26 \mu\text{g}/\text{m}^3/\text{year}$; $p=0.012$) and Felixton (2013–2025; $-2.0 \mu\text{g}/\text{m}^3/\text{year}$; $p=0.002$). Over 2021–2025, PM₁₀ trends are not statistically significant at CBD ($p=0.46$) or eSikhaleni ($p=0.81$). The PM_{2.5} record (2021–2025; $n=5$) is too short for robust inference; Brackenham shows an increase ($+1.0 \mu\text{g}/\text{m}^3/\text{year}$; $p=0.13$) and Felixton a decrease ($-2.13 \mu\text{g}/\text{m}^3/\text{year}$; $p=0.46$), neither significant (Mann, 1945) (Kendall, 1975) (Sen, 1968).

- ▶ A 5-year Mann-Kendall trend test was applied where data coverage allowed. No monotonic trend was detected for PM₁₀ at CBD and eSikhaleni over the assessment period; other PM₁₀ stations had insufficient recent data for trend assessment (Mann, 1945) (Kendall, 1975) (Sen, 1968).
- ▶ A 5-year Mann-Kendall trend test was applied where data coverage allowed. No monotonic trend was detected for PM_{2.5} at Brackenham over the assessment period; Felixton results were broadly stable. Other PM_{2.5} stations had insufficient recent data for trend assessment (Mann, 1945) (Kendall, 1975) (Sen, 1968).

The lower particulate concentrations in 2020 and 2021 could be due to decreased commercial activity during the pandemic lockdown in those years.

Table 8.2: PM₁₀ annual average concentrations (2004 to 2025).

Year	Brackenham	CBD	eNseleni	eSikhaleni	Felixton	Mtunzini	Richardia	Scorpio	St Lucia
2004		25							
2005		30							
2006		25							
2007		42							
2008	32	35							
2009	35	29							
2010	22	19				14			17
2011	27	23				21			20
2012	31	27				25			22
2013	32	27			32	22			22
2014	37	29		36	36	26			22
2015	32	30		33	32	21			
2016	29	25		28	29	25			
2017	32	26		22	32	25			
2018	32	24	25	24	25				
2019	30	25	29	24	26				
2020	26	13	25	23	23				
2021	24	12	26	23					
2022		11		13					
2023		19		16	9		23	33	
2024		26		24	12		33	30	
2025		17		22	16		28	26	

Note: Yellow – exceedance of the WHO annual guideline. Red – exceedance of the RSA annual standard.

Table 8.3: PM_{2.5} annual average concentrations (2021 to 2025)

Year	Brackenham	CBD	eNseleni	eSikhaleni	Felixton	Harbour West	Scorpio
2021	13				19		
2022	12				16		
2023	13				9	13	11
2024	14				10	6	11
2025	20				14	10	14

Note:
Yellow – exceedance of the WHO annual guideline.
Red – exceedance of the RSA annual standard.

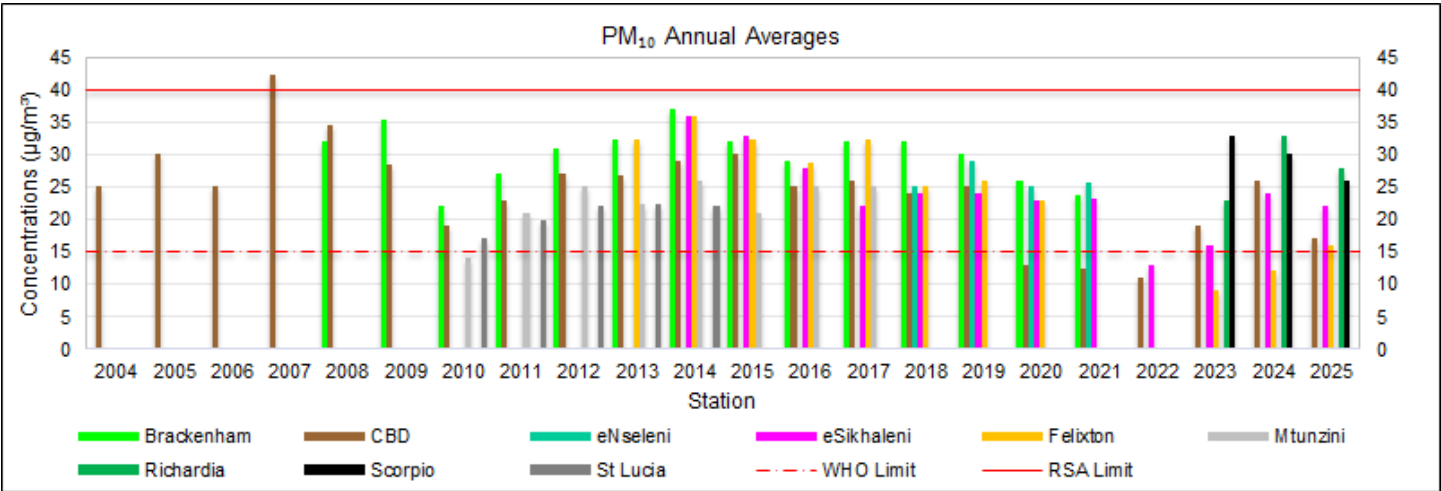


Figure 8.1: PM₁₀ annual average concentrations (2004 to 2025)

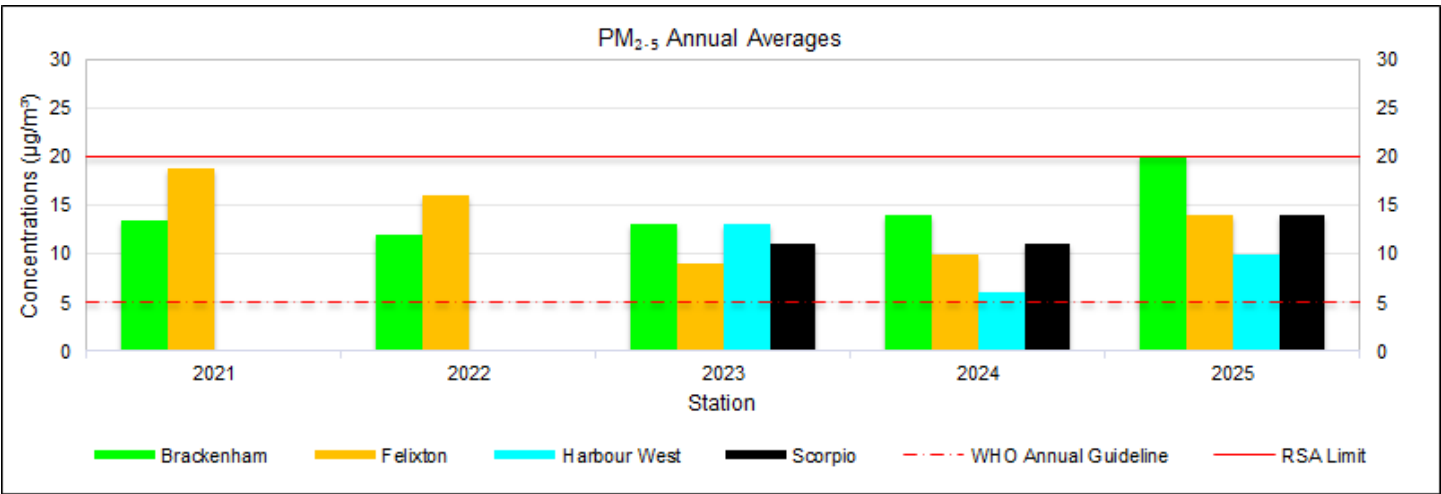


Figure 8.2: PM_{2.5} annual average concentrations (2021 to 2025).

The 2025 annual average PM₁₀ concentrations at CBD and Richardia were lower compared to 2024. Felixton, eSikhaleni and Scorpio were similar (difference less than 10% of the RSA limit) (Figure 8.3).

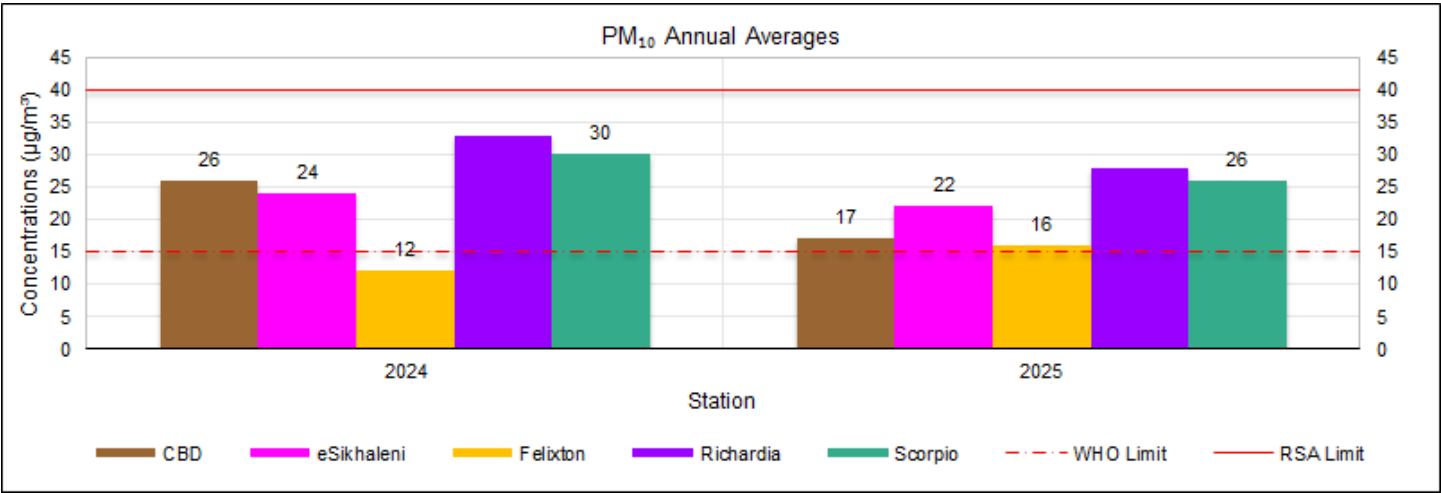


Figure 8.3: PM₁₀ annual average concentration (2024 to 2025).

Compared to 2024, the 2025 annual average PM_{2.5} concentrations at all stations were higher (Figure 8.4).

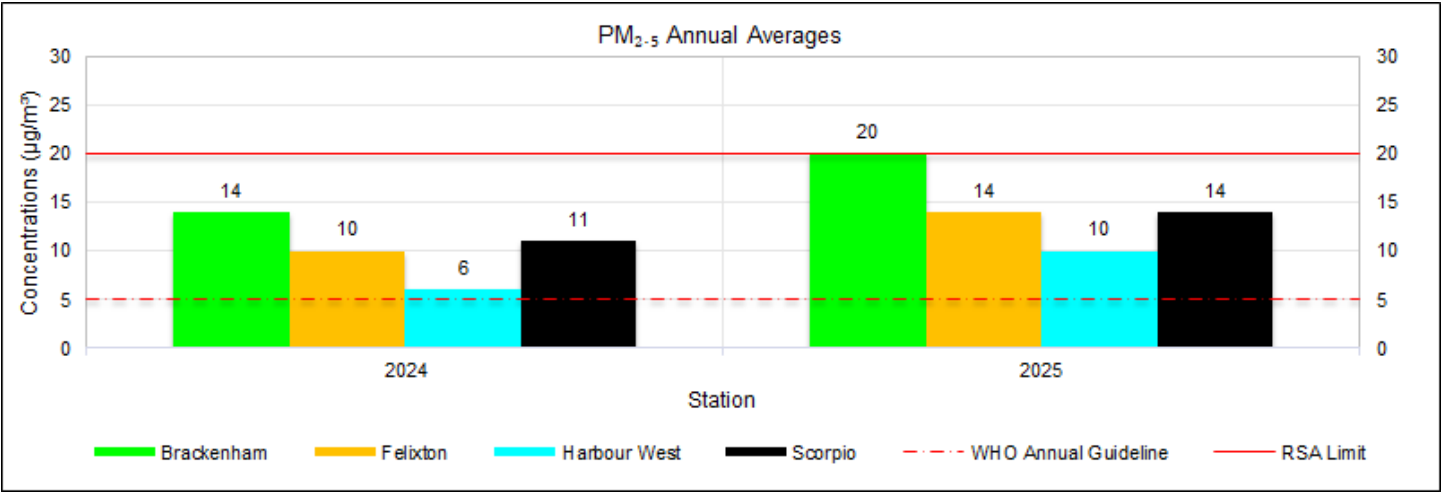


Figure 8.4: PM_{2.5} annual average concentration (2024 to 2025).

Annual average PM_{10} concentrations did not exceed the RSA Standard; the WHO guideline was exceeded at CBD, eSikhaleni, Richardia and Scorpio (Figure 8.5).

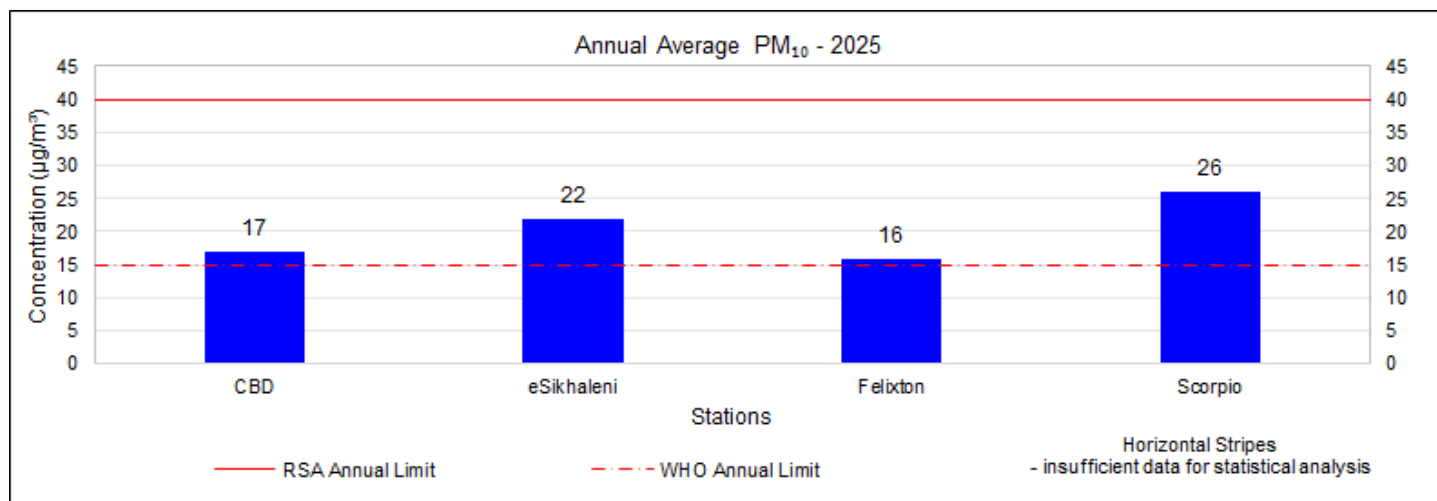


Figure 8.5: PM_{10} annual average concentration.

Annual average $PM_{2.5}$ concentrations did not exceed the RSA Standard; the WHO Guideline was exceeded at Brackenham, Felixton, Harbour West, and Scorpio (Figure 8.6).

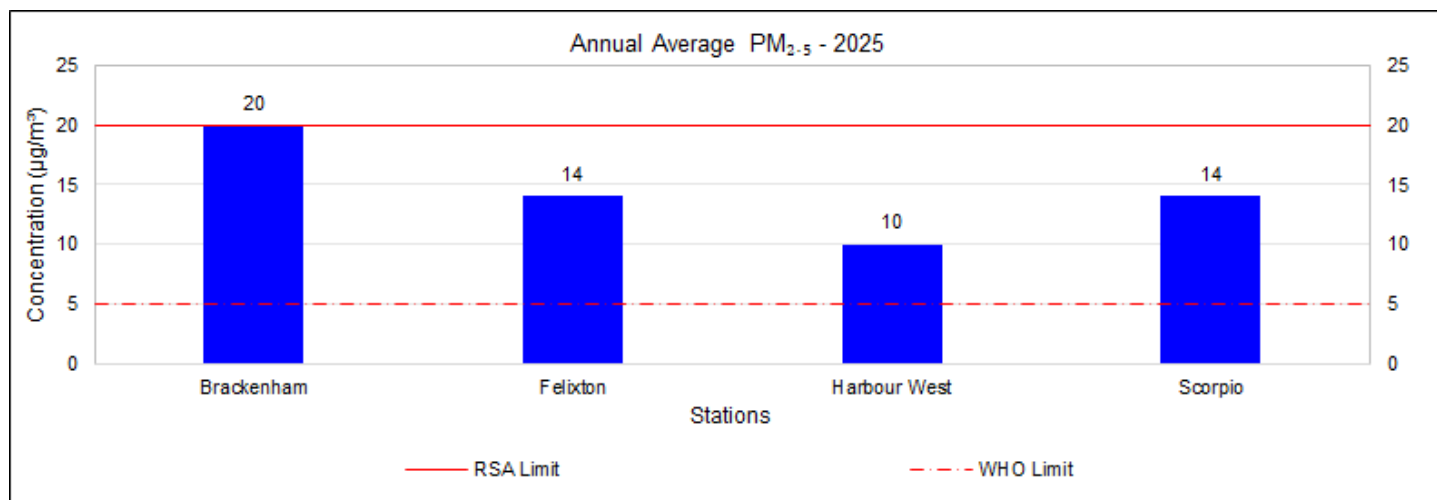


Figure 8.6: $PM_{2.5}$ annual average concentration.

8.3. Monthly Concentrations

Monthly comparisons are provided in Figure 8.7 and Figure 8.8.

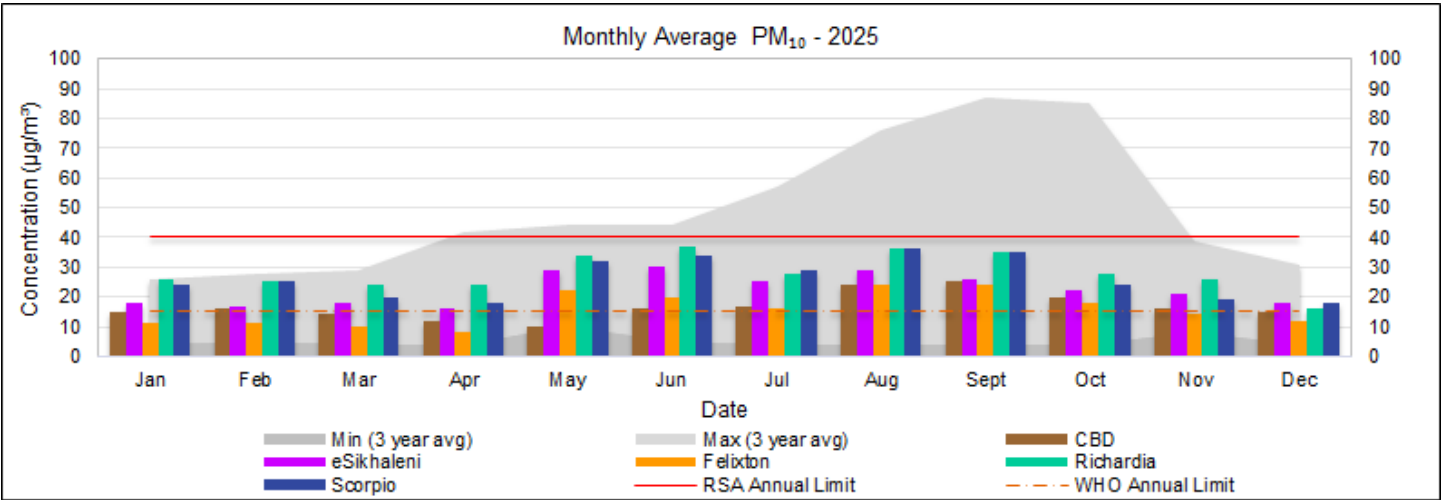


Figure 8.7: PM₁₀ monthly concentrations.

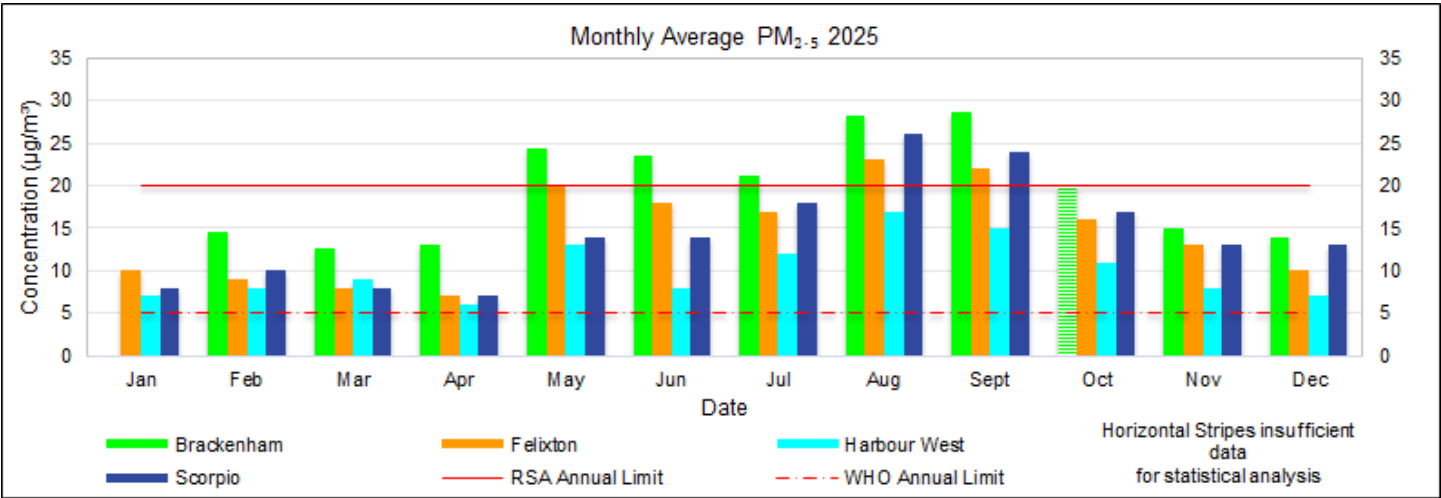


Figure 8.8: PM_{2.5} monthly concentrations.

8.4. Diurnal Concentrations

Diurnal concentrations for PM_{10} and $PM_{2.5}$ are shown below (Figure 8.9 and Figure 8.10).

These diurnal profiles show the mean concentration by hour-of-day (aggregated across 2025) and are included as a screening indicator of time-of-day patterns. Interpretation should consider boundary-layer evolution (night-time stability vs daytime mixing), activity-driven emissions, and Richards Bay's coastal land/sea-breeze circulation. Because short-lived episodes are smoothed in an average diurnal profile, exceedance analyses (24-hour) and wind-directional assessments remain the primary evidence for compliance and source attribution.

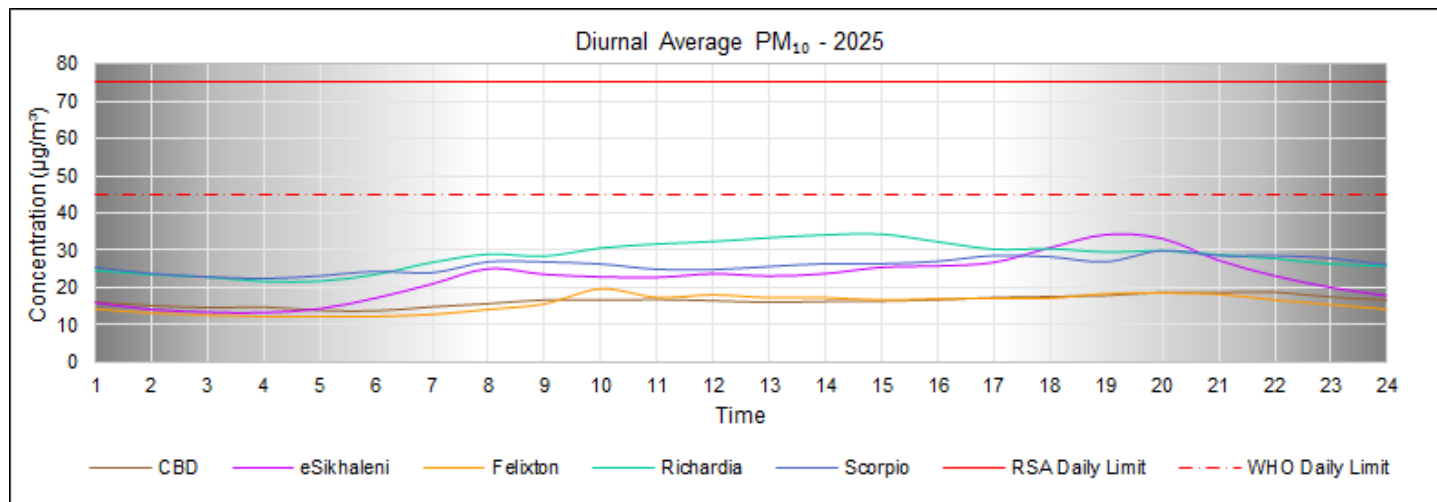


Figure 8.9: PM_{10} diurnal concentrations.

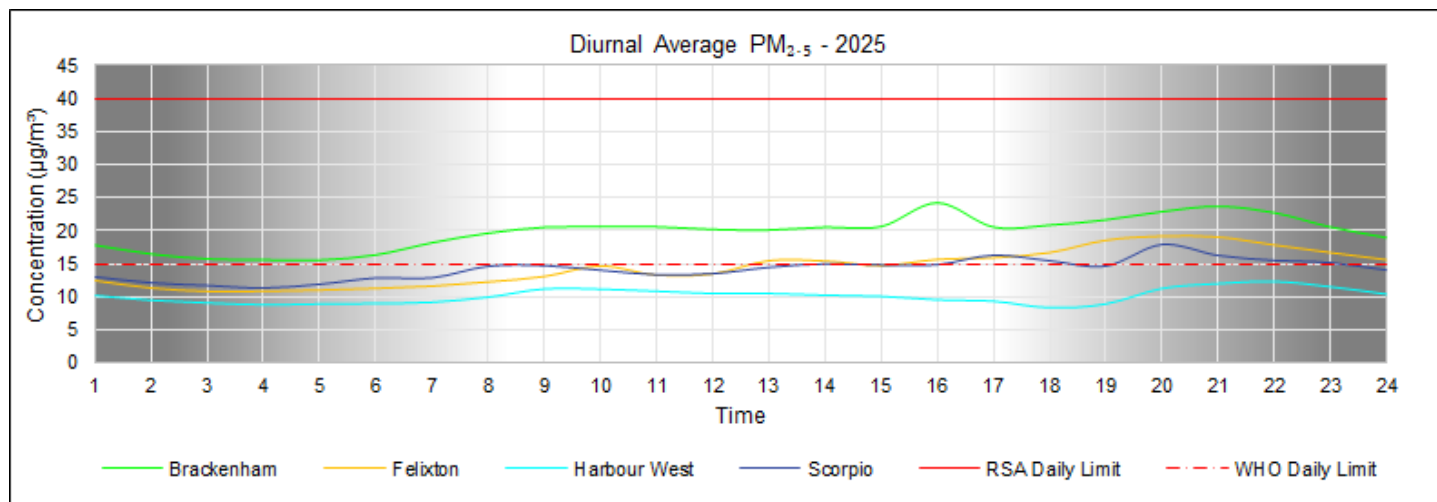


Figure 8.10: $PM_{2.5}$ diurnal concentrations.

8.5. Daily Concentrations

Daily average PM₁₀ concentrations are shown in Figure 8.11; there were:

- ▶ Four (4) measured exceedances of the RSA Limit (75 µg/m³) across the network; the RSA Standard, which allows four (4) exceedances of the limit per site per year, was not exceeded.
- ▶ Ninety-Three (93) measured exceedances of the WHO Limit (45 µg/m³) across the network (Table 8.4).

Table 8.4: PM₁₀ daily average exceedance allocations.

PM₁₀ Daily RSA Limit (75 µg/m³)	4
Richardia	2
Regional Fires	1
Transnet Port Terminals	1
Scorpio	2
Bush Fire	1
South32	1
PM₁₀ Daily WHO Limit (45 µg/m³)	93
CBD	5
eSikhaleni	13
Felixton	6
Richardia	39
Scorpio	30

Note:

- WHO exceedances are responded to if they relate to a complaint.
- Yellow indicates an exceedance of the guideline.
- Red indicates an exceedance of a standard.

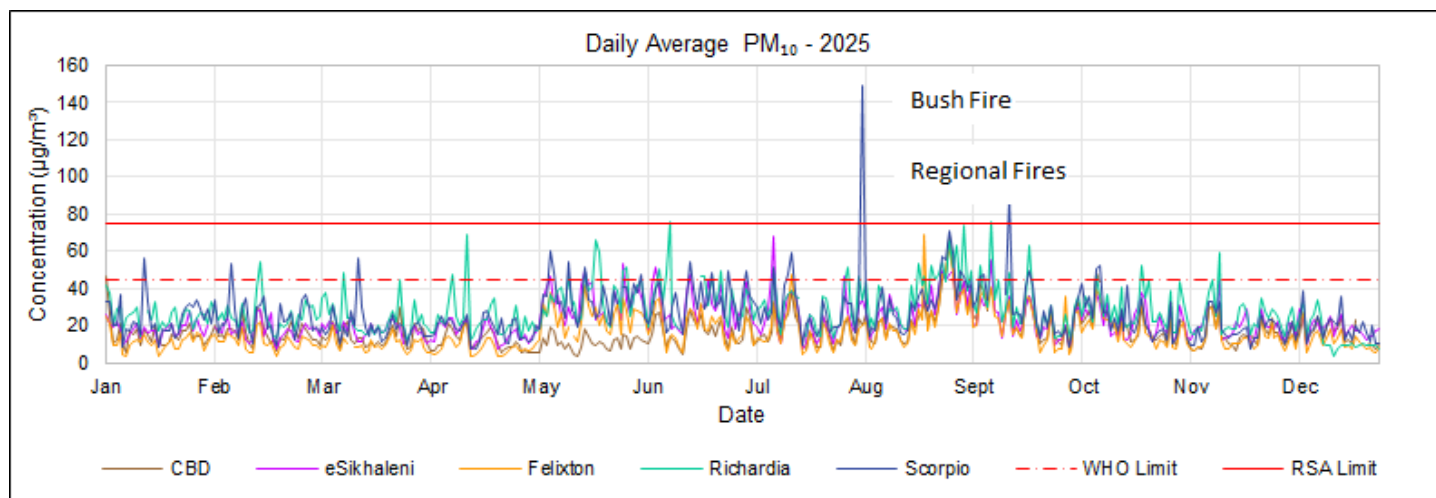


Figure 8.11: PM₁₀ daily average concentrations.

Daily average PM_{2.5} concentrations are shown in Figure 8.12; there were:

- ▶ Thirty-five (35) measured exceedances of the RSA Limit (40 µg/m³) across the network, the RSA Standard, which allows four (4) exceedances per site year, was exceeded at Brackenham, eighteen (18), Felixton, six (6) and Scorpio (8) measured exceedances of the RSA Limit (40 µg/m³).
- ▶ Four hundred and seventy-nine (479) measured exceedances of the WHO Limit (15 µg/m³) across the network (Table 8.5).

Table 8.5: PM_{2.5} daily average exceedance allocations (RSA).

PM_{2.5} Daily RSA Limit (40 µg/m³)	35
Brackenham	18
Cane fires	4
Fires	8
RBIDZ	2
RBIDZ - Meteorology	2
Regional fires	1
ZFPA	1
Felixton	6
Cane fires	1
Local source	1
Regional fires	4
Harbour West	3
Bush Fire	1
Regional fires	2
Scorpio	8
Bush Fire	1
Cane Fires	1
Regional Fires	5
South32	1
PM_{2.5} Daily WHO Limit (15 µg/m³)	479
Brackenham	175
Felixton	125
Harbour West	62
Scorpio	117

Note:

- WHO exceedances are responded to if they relate to a complaint.
- Yellow indicates an exceedance of the guideline.
- Red indicates an exceedance of a standard.

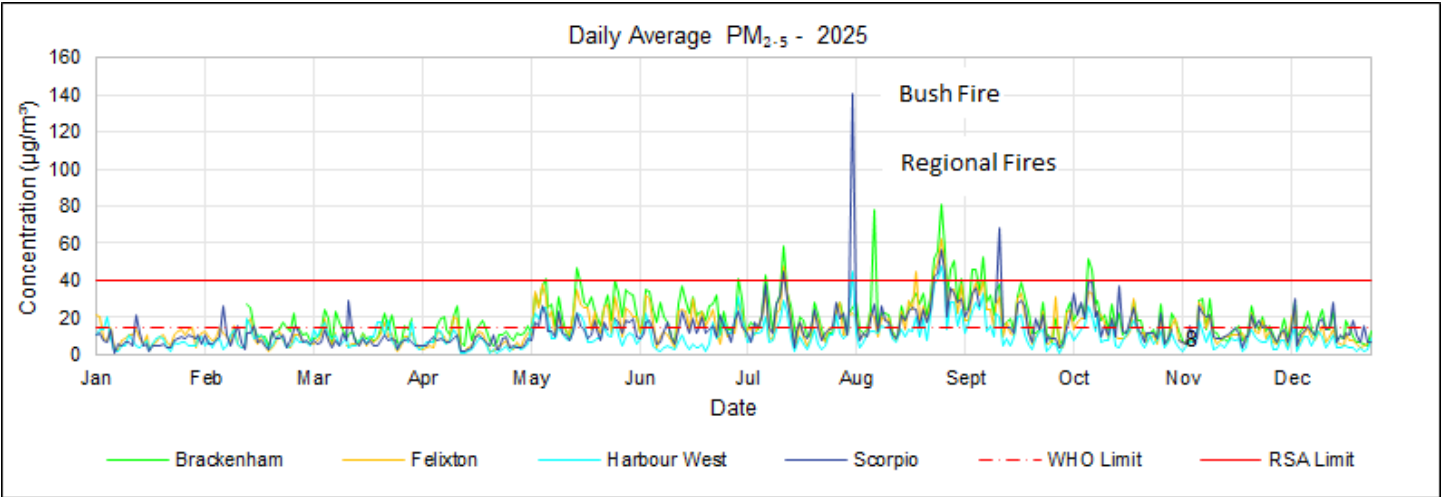


Figure 8.12: PM_{2.5} daily average concentrations.

8.6.Exceedances

Annual comparisons of the number of days on which PM₁₀ exceedances occurred are shown in Figure 8.13. According to the Relative Air Quality Index (AQI), the areas where no exceedances were measured may be considered good air quality with respect to PM₁₀.

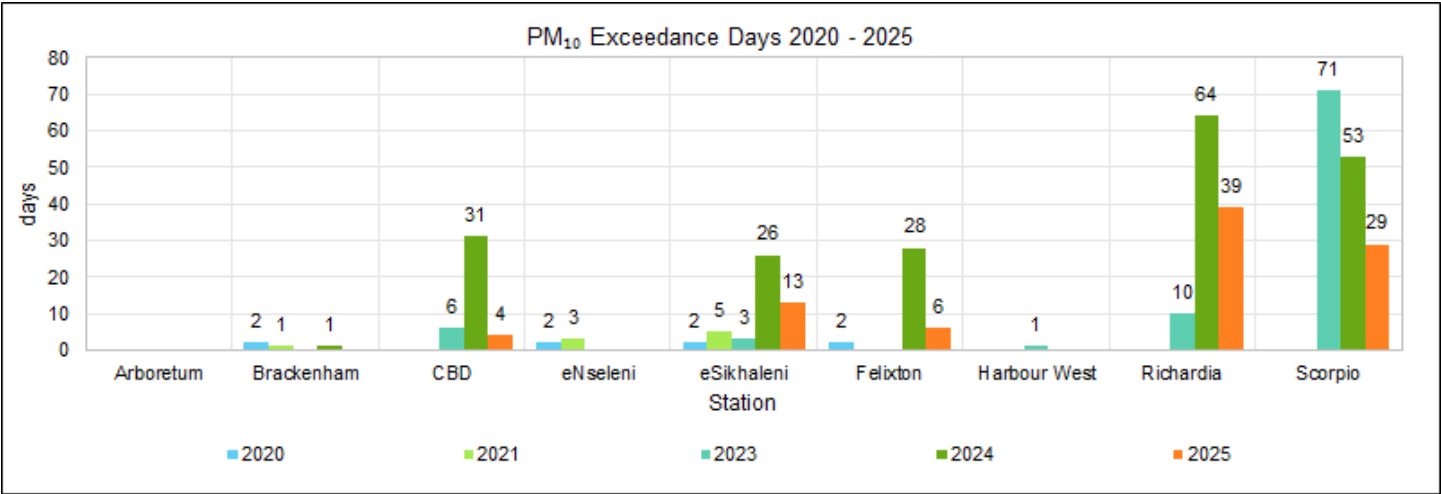


Figure 8.13: PM₁₀ exceedance days (2020 to 2025).

Annual comparisons of the number of days on which PM_{2.5} exceedances occurred are shown in Figure 8.14. Areas where no exceedances were measured may be considered good air quality with respect to PM_{2.5} (for the benchmarks applied in this report).

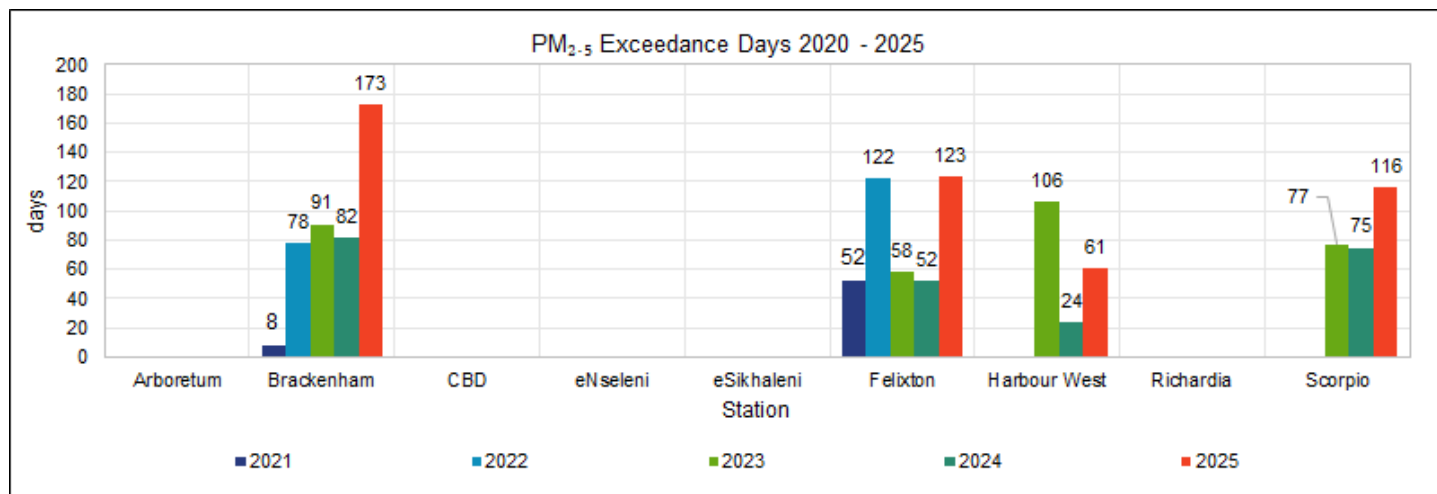


Figure 8.14: PM_{2.5} exceedance days 2020 - 2025

Table 8.6: PM₁₀ exceedance summary 2025.

2025	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
PM₁₀ Daily RSA Limit (75 µg/m³)													
Brackenham	-	-	-	-	-	-	-	-	-	-	-	-	0
CBD	-	-	-	-	-	-	-	-	-	-	-	-	0
eSikhaleni	-	-	-	-	-	-	-	-	-	-	-	-	0
Felixton	-	-	-	-	-	-	-	-	-	-	-	-	0
Richardia	-	-	-	-	-	1	-	-	1	-	-	-	2
Scorpio	-	-	-	-	-	-	-	1	1	-	-	-	2
PM₁₀ Daily WHO Limit (45 µg/m³)													
Brackenham	-	-	-	-	-	-	-	-	-	-	-	-	0
CBD	1	-	-	-	-	-	-	3	-	1	-	-	5
eSikhaleni	-	-	-	-	3	2	3	3	2	-	-	-	13
Felixton	-	-	-	-	-	-	1	5	-	-	-	-	6
Richardia	-	1	1	2	6	9	1	9	7	2	1	-	39
Scorpio	1	1	1	-	4	5	4	5	7	2	-	-	30

Note:

- Yellow indicates an exceedance of the guideline.
- Red indicates an exceedance of a standard.

Table 8.7: PM_{2.5} exceedance summary 2025.

2025	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
PM_{2.5} Daily RSA Limit (40 µg/m³)													
Brackenham	-	-	-	-	2	-	3	5	6	2	-	-	18
Felixton	-	-	-	-	-	-	1	5	-	-	-	-	6
Harbour West	-	-	-	-	-	-	-	3	-	-	-	-	3
Scorpio	-	-	-	-	-	-	1	5	2	-	-	-	8
PM_{2.5} Daily WHO Limit (15 µg/m³)													
Brackenham	-	6	8	10	25	25	18	22	23	18	-	10	165
Felixton	2	3	2	2	18	19	14	20	20	14	8	3	125
Harbour West	1	2	4	1	11	3	8	11	13	6	1	1	62
Scorpio	1	4	1	-	11	14	14	22	19	14	9	8	117
Note: - Yellow indicates an exceedance of the guideline. - Red indicates an exceedance of a standard.													

PM_{2.5} exceedance-frequency non-compliance was recorded at Brackenham, Felixton and Scorpio.

8.7. Conclusion

- ▶ Data capture (2025): PM₁₀ capture was ≥98% at reporting instruments; PM_{2.5} capture was 98–100% at Felixton, Harbour West and Scorpio, but 87% at Brackenham (below the 90% SANAS criterion).
- ▶ Regulatory (RSA NAAQS; max 4 exceedances/year): PM₁₀ remained compliant at all reporting stations. PM_{2.5} was non-compliant at Brackenham (18 exceedances), Felixton (6) and Scorpio (8), and compliant at Harbour West (3).
- ▶ Health guidance (WHO): PM_{2.5} WHO 24-hour guideline exceedance-days totalled Brackenham (165), Felixton (125), Harbour West (62) and Scorpio (117). PM₁₀ WHO 24-hour guideline exceedance-days totalled CBD (5), eSikhaleni (13), Felixton (6), Richardia (39) and Scorpio (30).
- ▶ Annual averages: Annual average PM₁₀ and PM_{2.5} concentrations remained below RSA standards; however, WHO annual guideline exceedances were recorded for PM₁₀ at CBD, eSikhaleni, Richardia and Scorpio, and for PM_{2.5} at Brackenham, Felixton, Harbour West and Scorpio (Figures 6.5–6.6).
- ▶ Priority focus: PM_{2.5} remains the dominant compliance risk in the network (daily exceedance-frequency), with Brackenham, Scorpio and Felixton accounting for all RSA NAAQS non-compliance. Priority should therefore be placed on reducing PM_{2.5} daily peaks at these receptors (episodic investigation and, where feasible, source-apportionment), while improving Brackenham ES2 data capture to ≥90% (SANAS) and preferably ≥95% (RBCAA reporting target).

9. SULPHUR DIOXIDE MONITORING

Sulphur dioxide (SO₂) is one of the highly reactive gases known as "oxides of sulphur." Anthropogenic sources include fossil fuel combustion (particularly coal-burning power plants), industrial processes such as wood pulping, paper manufacture, petroleum and metal refining, and metal smelting (particularly from sulphide-containing ores, e.g., lead, silver, and zinc ores) and vehicle tailpipe emissions. Natural sources of SO₂ emissions include geothermal activity (including hot springs and volcanic activity) and the natural decay of vegetation on land, in wetlands, and oceans.

SO₂ is linked with several adverse effects on the respiratory system as it is highly soluble and thus readily absorbed by the mucous membranes of the nose and upper respiratory tract. Exposure to high concentrations may result in the following:

- ▶ Reduction in lung function (especially in asthmatics and children)
- ▶ Wheezing and coughing
- ▶ In severe cases, a decrease in life expectancy

Health-effect context: SO₂ is a highly water-soluble respiratory irritant that forms sulphurous acid on moist mucosa; short-term peaks can trigger bronchoconstriction (notably in asthmatics) and increase risk of acute respiratory outcomes. This is consistent with WHO guidance and the U.S. EPA sulphur oxides assessment literature. (WHO, 2005) (US-EPA, 2017)

9.1. Ambient Air Quality Standards

South African ambient air quality standards for SO₂ are listed below (Table 9.1).

Table 9.1: SO₂ ambient air quality limits.

Organisation	Limit	10-min Average	1-hour Average	24-hour Average	Annual Average
RSA ^[a]	Standard	500 µg/m ³ ^[b]	350 µg/m ³ ^[c]	125 µg/m ³ ^[d]	50 µg/m ³ ^[e]
		191ppb ^[b]	134 ppb ^[c]	48 ppb ^[d]	19 ppb ^[e]
WHO ^[f]	Interim Target 1	-	-	125 µg/m ³	-
		-	-	48 ppb	-
	Interim Target 2	-	-	50 µg/m ³	-
		-	-	19 ppb	-
	Guideline	500 µg/m ³	-	40 µg/m ³	-
		191ppb	-	15 ppb	-

Notes:

- a) SA Government Gazette 32816 (24 December 2009) in terms of the National Environmental Management: Air Quality Act 39 of 2004 (RSA-NEMAQA, 2009).
- b) Not to be exceeded more than five hundred and twenty-six (526) times in one year.
- c) Not to be exceeded more than eighty-eight (88) times in one year.
- d) Not to be exceeded more than four (4) times in one year.
- e) Not to be exceeded.
- f) World Health Organisation (WHO, 2021).

SO₂ exceedances can be associated with emissions because of process upsets (e.g., planned maintenance, plant shutdowns, or start-up), leaks in equipment, pipelines, seals, and valves (fugitive emissions), or an event (e.g., fires or emergency shutdown).

9.2. Annual Concentrations

Annual average concentrations dating back to 1997 are illustrated in Table 9.2 and Figure 9.1. Based on 2021–2025 yearly means, the 5-year Mann–Kendall trend classification is: CBD decreasing (Sen slope -0.70 ppb/year; $p=0.027$), Harbour West probably decreasing (Sen slope -1.45 ppb/year; $p=0.086$), and Arboretum, Brackenham, eSikhaleni, Felixton and Scorpio stable ($p>0.10$). The other stations do not have enough current data to establish a trend. (Mann, 1945) (Kendall, 1975) (Sen, 1968)

Trend-method note: The Mann–Kendall test is a non-parametric monotonic trend test that is robust to non-normality and outliers; Sen's slope provides a median rate-of-change estimator. However, serial correlation and strong seasonality can inflate Type-I error if not addressed; results should therefore be interpreted as screening-level indicators unless pre-whitening/seasonal variants are applied and confidence intervals are reported. (Mann, 1945) (Kendall, 1975) (Sen, 1968).

Table 9.2: SO₂ annual average concentration (1997 to 2025)

Year	Arboretum	Brackenham	CBD	eNseleni	eSikhaleni	Felixton	Harbour West	Richardia	Scorpio
1997	1.9								
1998	4.0								
1999	3.0								
2000	3.5								
2001	3.7		5.0						
2002	3.5		5.7						
2003	3.6	3.1	5.3						6.9
2004	4.6	4.0	6.8						10.6
2005	3.9	4.4	5.9						10.8
2006	4.0	3.4	6.0				8.0		9.1
2007	2.6	2.0	5.3				8.1		7.6
2008	2.1	1.4	4.4				3.9		5.7
2009	2.4	1.0	4.1				8.2		5.9
2010	2.6	1.4	4.1				8.6		7.2
2011	2.9	2.6	4.1				8.1		7.5
2012	3.2	1.5	3.3			3.4	8.1		8.9
2013	2.5	1.2	3.7			2.6	9.4		11.9
2014	2.1	1.6	5.3		1.0	3.0	8.4		8.6
2015	1.4	2.6	4.4		2.2	2.8	5.7		7.2
2016	0.9	1.2	2.4		1.4	1.8	7.0		7.0
2017	1.3	0.9	4.2		2.0	1.7	6.8		7.3
2018	2.6	1.3	4.0	1.1	2.1	2.5	9.0		8.7
2019	2.0	1.4	4.0	1.3	3.6	2.8	6.6		6.8
2020	1.4	1.3	5.3	1.3	1.7	2.1	7.6		11.3
2021	1.9	1.5	5.7		0.9	1.9	11.9		11.7
2022	2.0	1.2	5.4		0.7	1.2	10.8		9.1
2023	1.6	1.1	5.2		0.8	1.4	7.1	8.6	8.3
2024	1.2	1.4	3.6		1.3	1.0	6.1	1.5	8.3
2025	1.2	1.2	2.9		2.2	1.0	6.3	1.4	9.7

Note: Yellow – exceedance of the WHO annual guideline. Red – exceedance of the RSA annual standard.

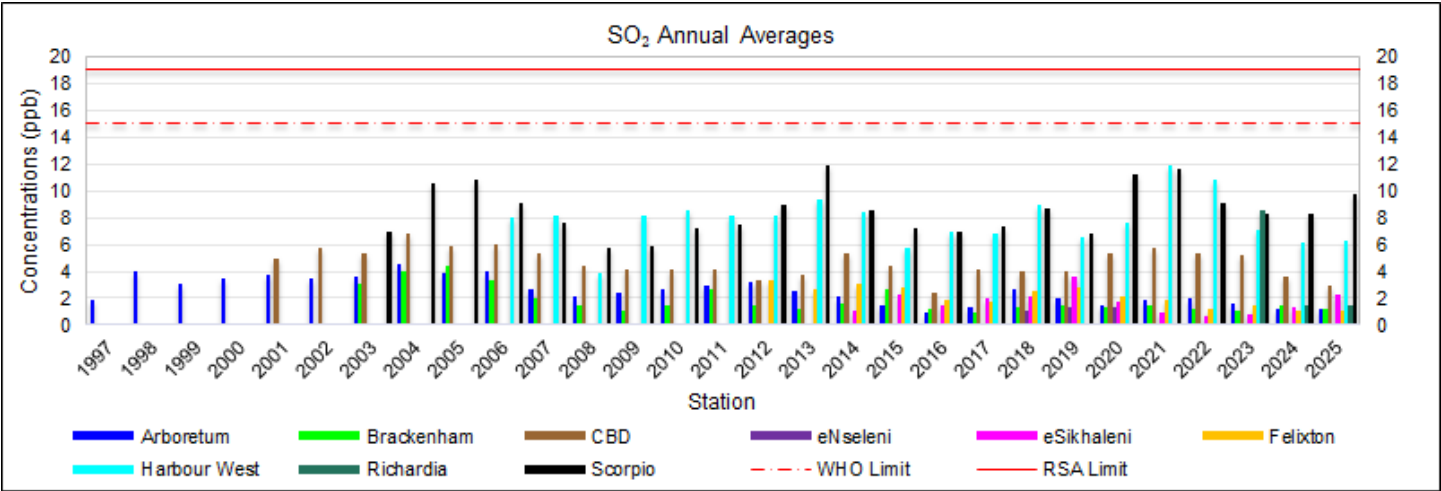


Figure 9.1: SO₂ annual average concentration (1997 to 2025).

Compared to 2024, 2025 annual average SO₂ concentrations at most stations were similar (difference less than 10% of the RSA limit) (Figure 9.2).

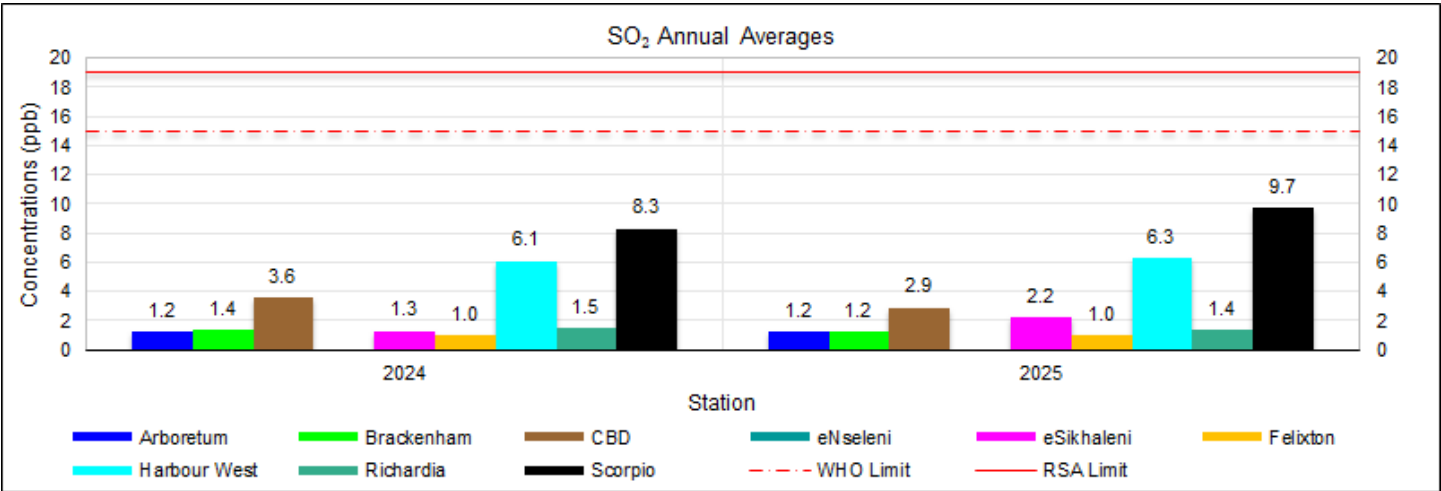


Figure 9.2: SO₂ annual average concentration (2024 to 2025).

Annual average SO₂ concentrations did not exceed the RSA or the WHO Limits (Figure 9.3).

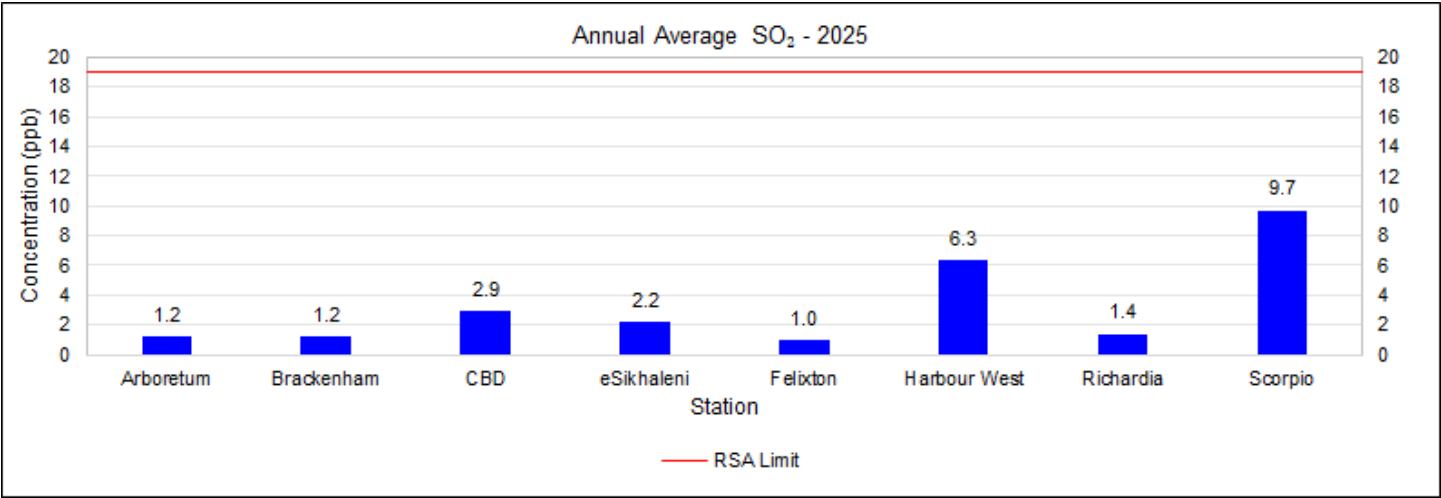


Figure 9.3: SO₂ annual average concentration.

9.3. Monthly Concentrations

Monthly comparisons are provided in Figure 9.4.

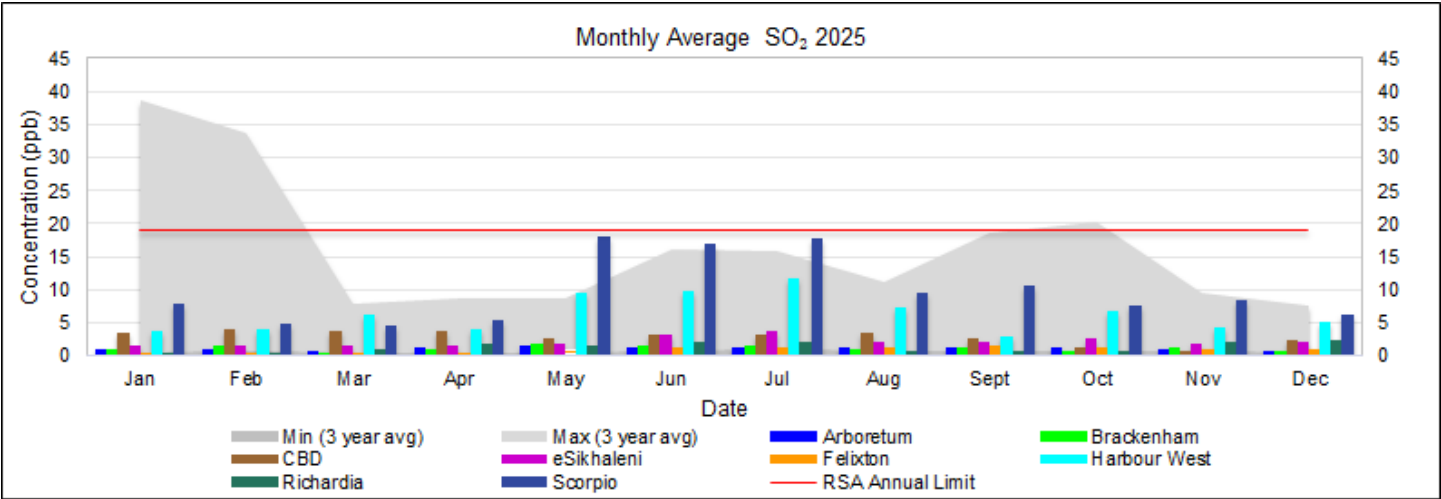


Figure 9.4: SO₂ monthly concentrations.

9.4. Diurnal Concentrations

Diurnal SO₂ concentrations are shown below (Figure 9.5).

The diurnal profile summarises the mean SO₂ concentration by hour-of-day (2025 aggregate). As SO₂ impacts are often plume-driven and intermittent, diurnal averages should be interpreted together with short-term statistics (10-minute and 1-hour), wind-directional transport, and event/incident records.

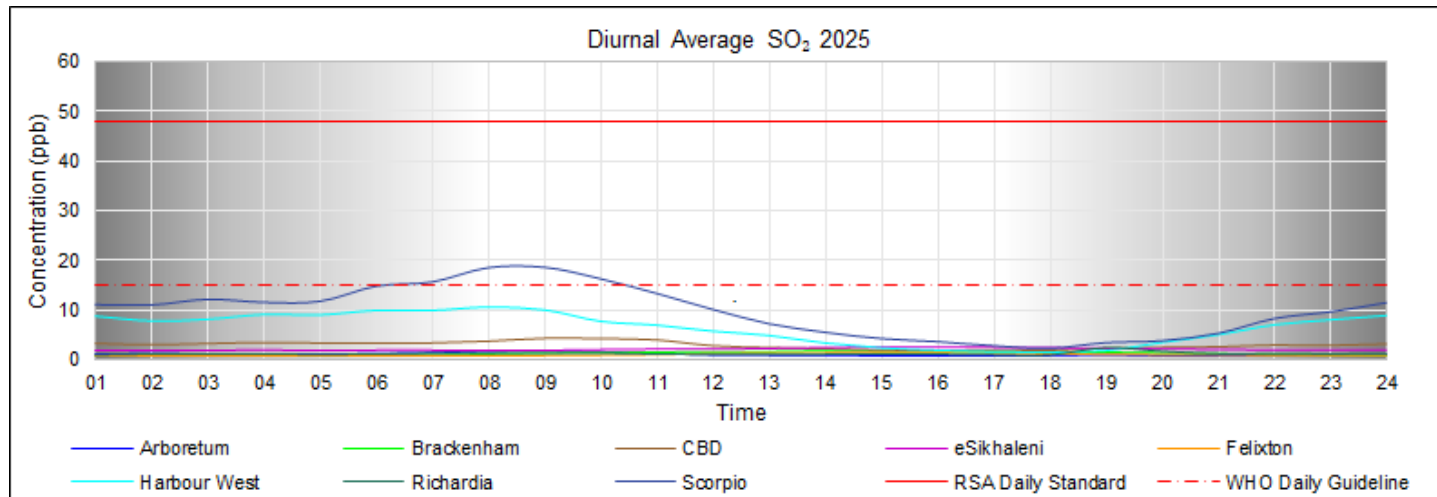


Figure 9.5: SO₂ diurnal concentrations.

9.5. Daily Average Concentrations

Daily average SO₂ concentrations are shown in Figure 9.6; there were:

- ▶ Eight (8) exceedance-days of the RSA daily limit (48 ppb) were recorded across the network; the standard permits four (4) exceedances per site per year, therefore, Scorpio was non-compliant (8 exceedances) and all other stations were compliant.
- ▶ One hundred and sixteen (116) exceedance-days of the WHO 24-hour guideline (15 ppb) were recorded across the network (Table 7.3).

Table 9.3: SO₂ daily average exceedances (RSA and WHO).

SO ₂ Daily RSA Limit (48 ppb)	8
Scorpio	8
Foskor	2
South32	1
South32 - meteorology	4
Unresolved	1
SO ₂ Daily WHO Limit (15 ppb)	116
CBD	7
Harbour West	41
Richardia	1
Scorpio	67

Note:

- WHO exceedances are responded to if they relate to a complaint.
- Yellow indicates an exceedance of the guideline.
- Red indicates an exceedance of a standard.

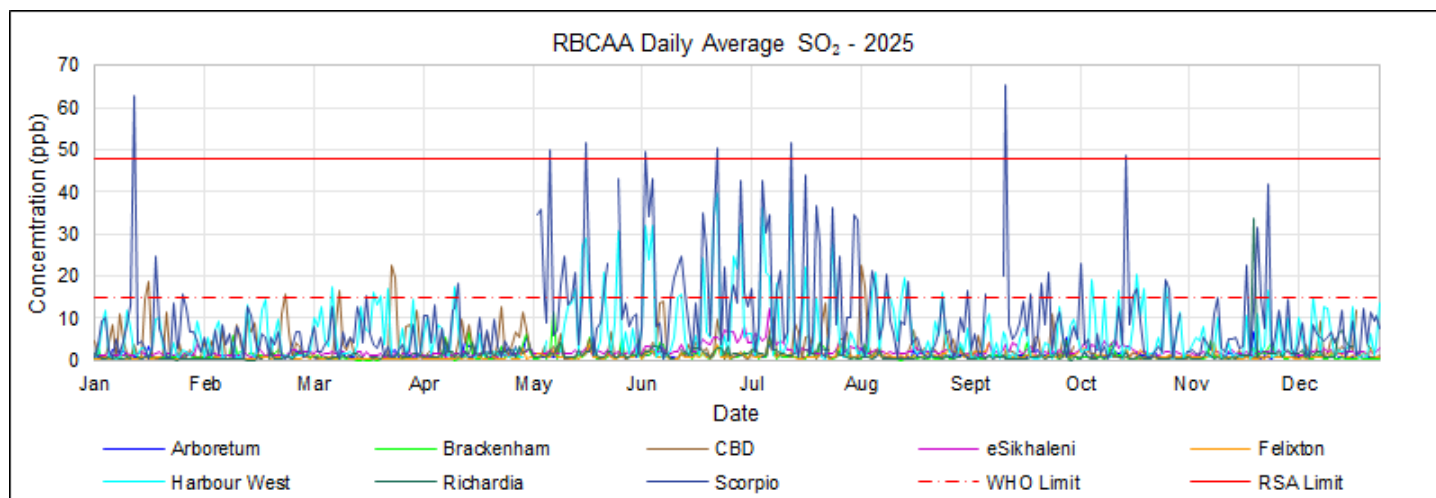


Figure 9.6: SO₂ daily average concentrations.

9.6. Hourly Average Concentrations

Hourly average SO₂ concentrations are shown in Figure 9.7. Twenty-six (26) exceedances of the RSA Limit (134 ppb) across the network were measured. The RSA Standard, which allows eighty-eight (88) exceedances of the limit per site per year, was not exceeded (Table 9.4).

Table 9.4: SO₂ 1-hour average exceedances (RSA)

SO ₂ Hourly RSA Limit (134 ppb)	26
Richardia	2
Grindrod	2
Scorpio	24
Foskor	11
South32	3
South32 - meteorology	10

Note:

- Red indicates an exceedance of a standard.

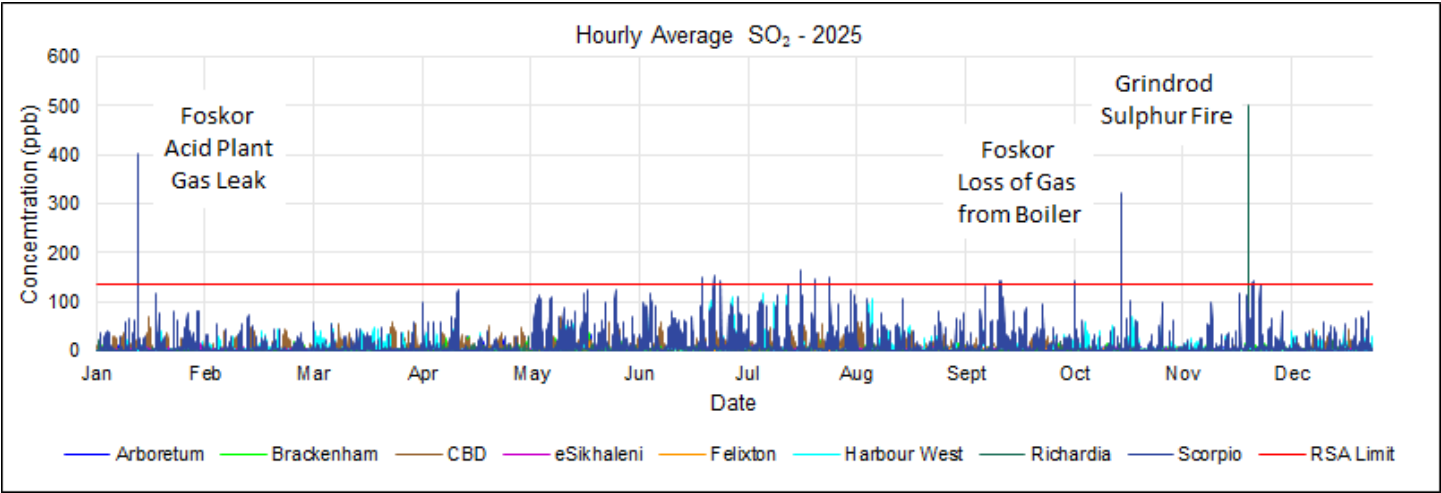


Figure 9.7: SO₂ hourly average concentrations.

9.7. 10-minute average Concentrations

10-minute average SO₂ concentrations are shown in Figure 9.8. There were fifty-four (54) measured exceedances of the RSA 10-minute standard (191 ppb) (and the equivalent WHO 10-minute guideline value; WHO, 2005). The RSA Standard, which allows five hundred and twenty-six (526) exceedances of the limit per site per year, was not exceeded (Table 9.5).

Table 9.5: SO₂ 10-minute average exceedances (RSA).

SO ₂ 10-minute RSA & WHO Limit (191 ppb)	54
Arboretum	1
Grindrod	1
Richardia	8
Grindrod	8
Scorpio	45
Foskor	37
Grindrod	3
South32 - meteorology	5

Note:

- Yellow indicates an exceedance of the guideline.
- Red indicates an exceedance of a standard.

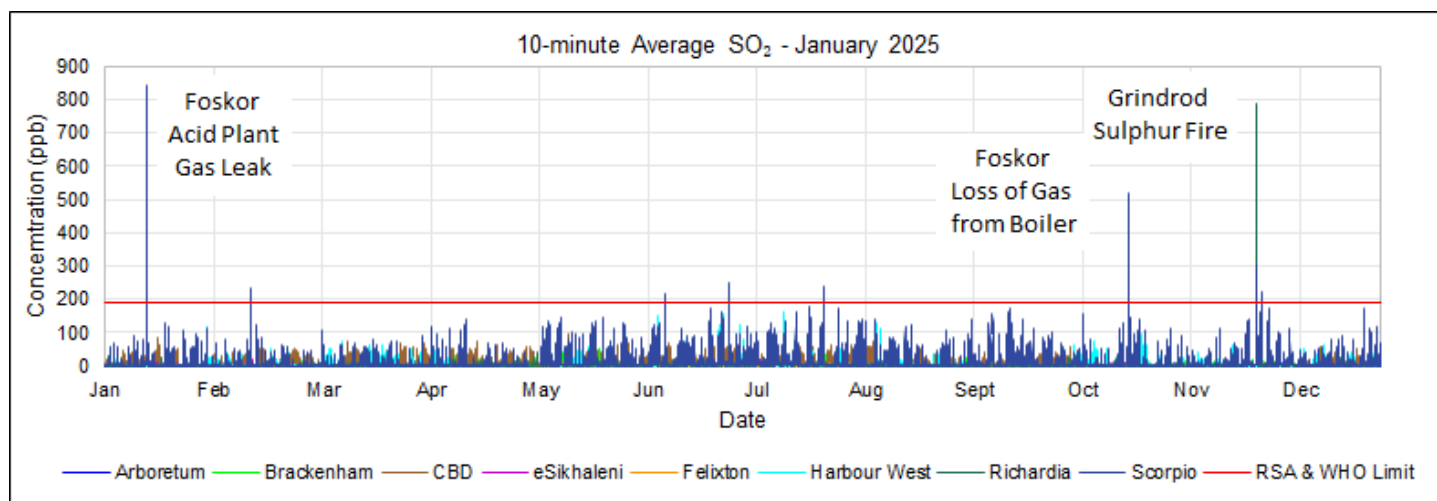


Figure 9.8: SO₂ 10-minute average concentrations.

9.8. Exceedances

Annual comparisons of the number of days on which SO₂ exceedances occurred are shown in Figure 9.9. Areas where no exceedances were measured may be considered good air quality with respect to SO₂ (for the benchmarks applied in this report).

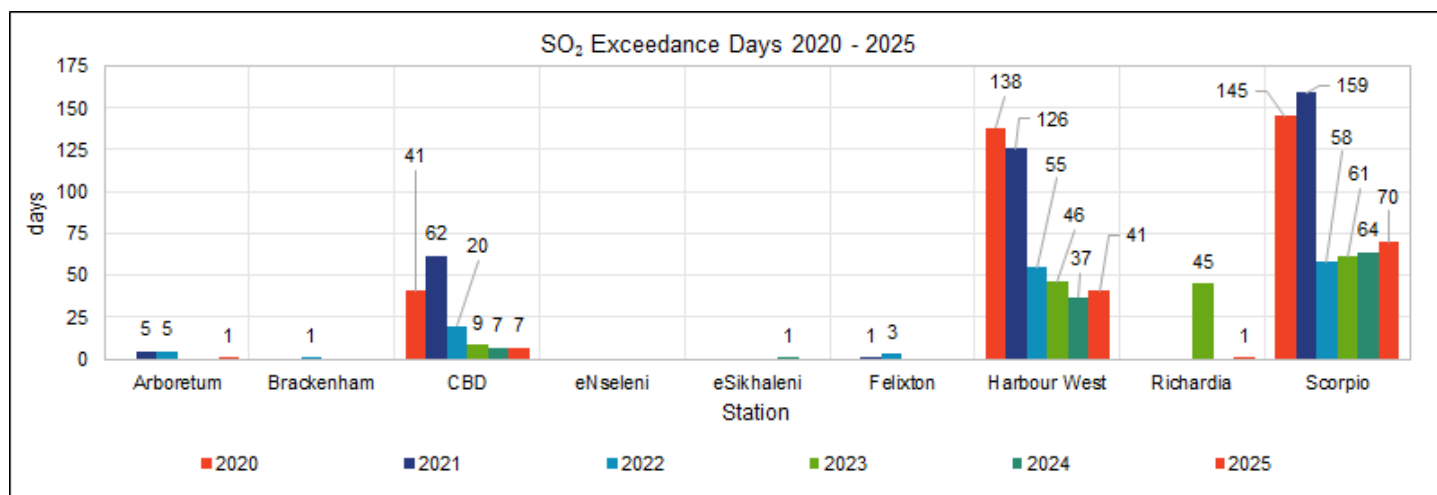


Figure 9.9: SO₂ exceedance days (2019 to 2025).

Table 9.6: SO₂ exceedance summary 2025.

2025	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
SO₂ Daily RSA Limit (48 ppb)													
CBD	-	-	-	-	-	-	-	-	-	-	-	-	0
eSikhaleni	-	-	-	-	-	-	-	-	-	-	-	-	0
Harbour West	-	-	-	-	-	-	-	-	-	-	-	-	0
Richardia	-	-	-	-	-	-	-	-	-	-	-	-	0
Scorpio	1	-	-	-	2	2	1	-	1	1	-	-	8
SO₂ Daily WHO Limit (15 ppb)													
CBD	1	1	3	-	-	-	-	2	-	-	-	-	7
eSikhaleni	-	-	-	-	-	-	-	-	-	-	-	-	0
Harbour West	-	-	4	1	7	6	11	5	-	5	1	1	41
Richardia	-	-	-	-	-	-	-	-	-	-	1	-	1
Scorpio	3	-	1	1	12	11	15	6	7	5	6	-	67
SO₂ Hourly RSA Limit (134 ppb)													
CBD	-	-	-	-	-	-	-	-	-	-	-	-	0
eSikhaleni	-	-	-	-	-	-	-	-	-	-	-	-	0
Harbour West	1	-	-	-	-	-	-	-	-	-	-	-	1
Richardia	-	-	-	-	-	-	-	-	-	-	-	-	0
Scorpio	4	-	3	-	1	-	2	2	-	-	-	-	12
SO₂ 10-minute RSA & WHO Limit (191 ppb)													
CBD	-	-	-	-	-	-	-	-	-	-	-	-	0
eSikhaleni	-	-	-	-	-	-	-	-	-	-	-	-	0
Harbour West	-	-	-	-	-	-	-	-	-	-	-	-	0
Richardia	-	-	-	-	-	-	-	-	-	-	8	-	8
Scorpio	18	1	-	-	-	3	3	-	-	16	4	-	45

Note: Yellow indicates an exceedance of the guideline. Red indicates an exceedance of a standard.

9.9. Dispersion Simulations

This section presents CALPUFF SO₂ dispersion predictions as isopleth maps for the Richards Bay airshed. Predictions are provided for annual average, 24-hour, 1-hour and 10-minute averaging periods and are compared to the South African NAAQS (Government Gazette 32816, 24 Dec 2009) and the WHO 2021 AQGs where applicable (https://www.gov.za/sites/default/files/gcis_document/201409/328161210.pdf; <https://iris.who.int/bitstream/handle/10665/345334/9789240034433-eng.pdf>).

Modelling configuration summary (from the CALPUFF.LST run listing) is provided below for auditability and reproducibility.

- Model: CALPUFF v7.2.1 (Level 150618); control file generated by CALPUFF View 11.0.0 (2026-01-30).
- Simulation period/time base: 2025-01-01 00:00 to 2026-01-01 00:00; base time zone UTC+0200; time step 600 s (10 minutes).
- Coordinate system: UTM Zone 36S (WGS-84); meteorological/computational grid 50 × 50 at 1 km spacing; SW origin 383 496.875 m E, 6 794 088 m N; 10 vertical layers (ZFACE 0–4 000 m).
- Receptors: gridded sampling enabled over the whole domain with MESH DN=5 (0.2 km receptor spacing); 40 discrete receptors at 1.5 m AGL (includes monitoring stations and selected community locations).
- Sources/emissions: 22-point sources (SRCNAM S7–S28) and one buoyant line source (SRCNAM L2); constant emissions in g/s; no area, volume, or road sources; no emission scaling tables.
- Chemistry/deposition/background: SO₂ treated as non-reactive (MCHEM=0); wet and dry deposition enabled (MWET=1; MDRY=1); no background concentrations (MBCON=0) so results represent incremental source contribution only.
- Downwash: MBDW=1, but all point sources have downwash flag = 0.0 (i.e., building downwash not applied); confirm intent and either disable MBDW or populate building parameters and activate downwash per source.
- Post-processing: CALPOST settings (averaging periods, percentiles/exceedance statistics, and unit conversion to ppb) are not contained in CALPUFF.LST and should be referenced to make this section reproducible.

9.9.1. Impact Predictions

SO₂ predictions are evaluated against South African NAAQS and WHO 2021 AQGs (Table 9.1). Figures are colour-scaled by percentage of the relevant standard/guideline (Table 9.7 and Table 9.8) for visual interpretation only; this is not a formal AQI. Concentrations increase through blue, green, yellow and orange; exceedances are shown in red. The modelling period is 1 January 2025 to 1 January 2026 (aligned to the 2025 reporting year).

Table 9.7: Air quality index (percentage of the RSA SO₂ limit value).

Category	Percentage of the applicable limit value	Interpretation
Good	0% - 25%	Well below the applicable standard/guideline.
Fair	26% - 50%	Below is the applicable standard/guideline.
Poor	51% - 100%	Approaching the applicable standard/guideline (still below the limit value).
Very Poor	>100%	Exceeds the applicable standard/guideline (exceedance).

Table 9.8: Air quality index (percentage of the WHO SO₂ limit value).

Category	Percentage of the applicable WHO value
Good	0% - 25%
Fair	26% - 50%
Poor	51% - 100%
Very Poor	>100%

9.9.2. Annual Average Predictions

Annual average concentration predictions can provide a comprehensive understanding of the long-term exposure patterns, potential impacts, and overall trends in the behaviour of modelled substances. This information is crucial for informing decision-making, risk assessment, and the development of effective environmental management strategies.

Figure 9.10 and Figure 9.11 evaluate annual-average SO₂ predictions against the South African annual NAAQS (50 µg/m³; 19 ppb). WHO (2021) does not specify an annual-average SO₂ guideline; Figure 9.12 and Figure 9.13 therefore present annual averages scaled to the WHO 24-hour guideline (40 µg/m³; 15 ppb) for indicative comparison only (not a compliance metric). The maps highlight hot spots and the influence of the annual wind field.

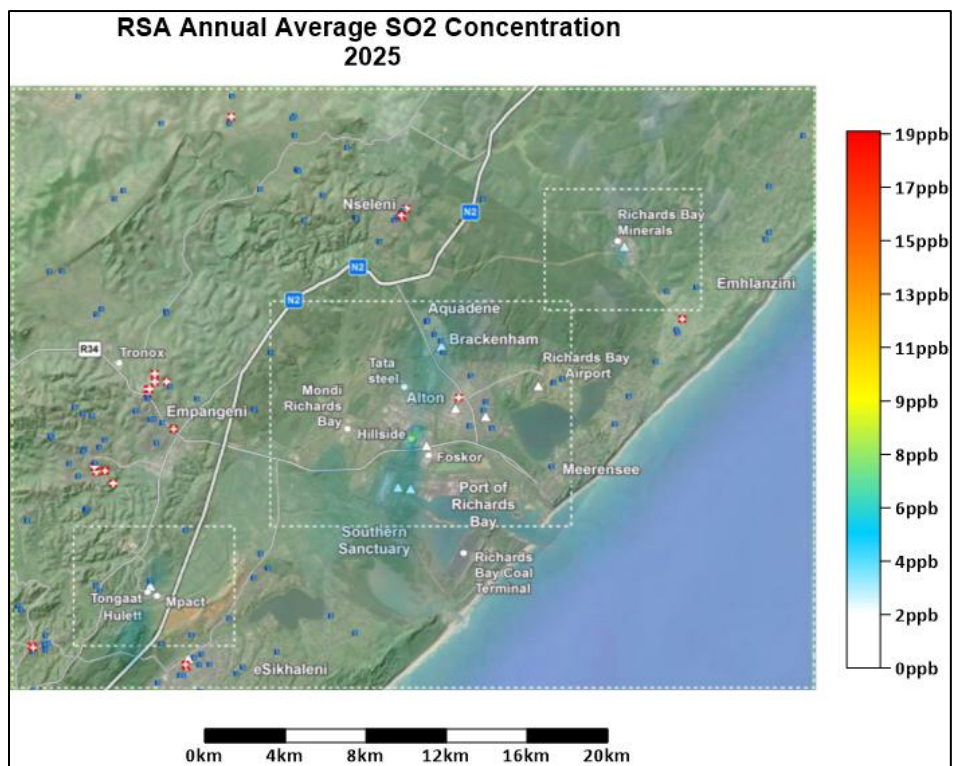


Figure 9.10: SO₂ annual average prediction 2025 (regional map RSA AAQS).

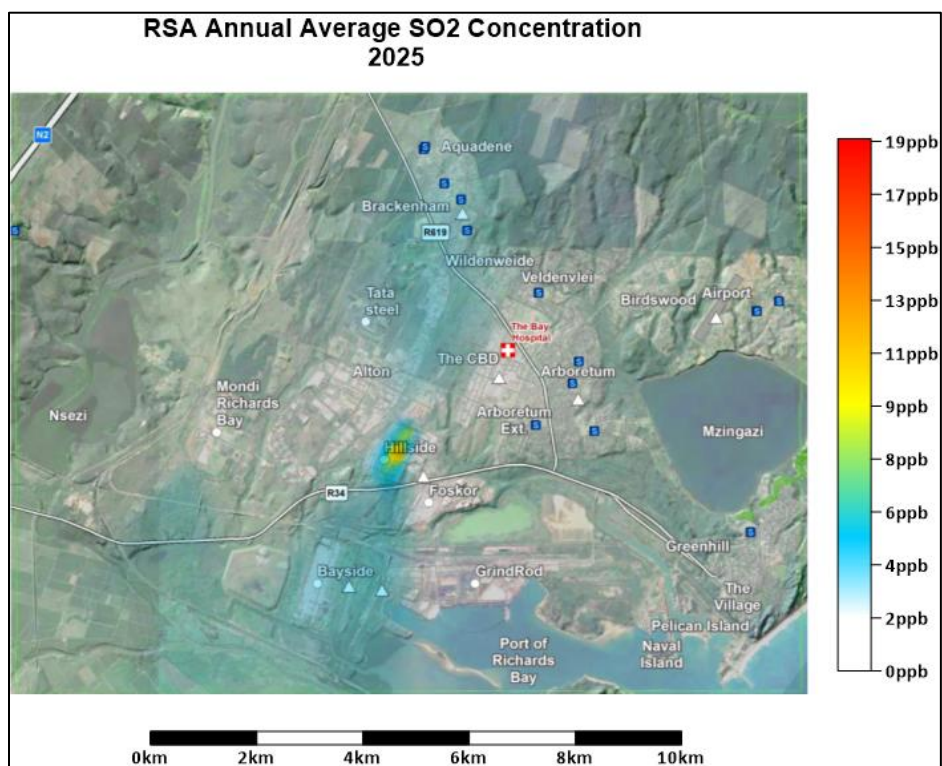


Figure 9.11: 2025 SO₂ annual average prediction 2025 (Richards Bay map RSA AAQS).

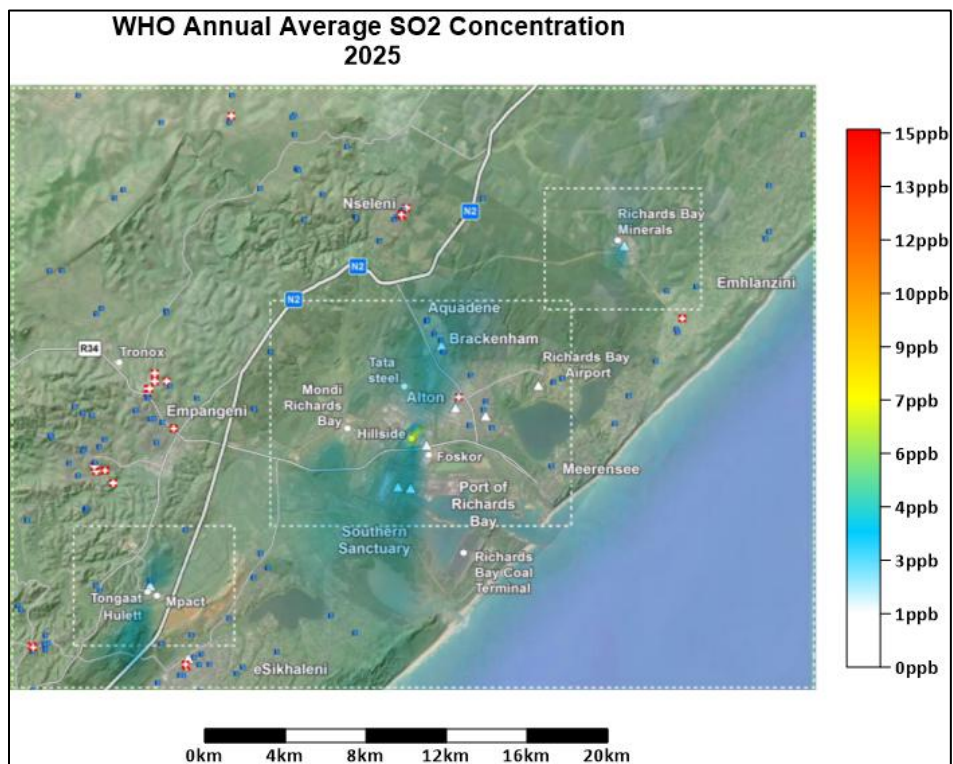


Figure 9.12: SO₂ annual average prediction 2025 (regional map WHO AAQG).

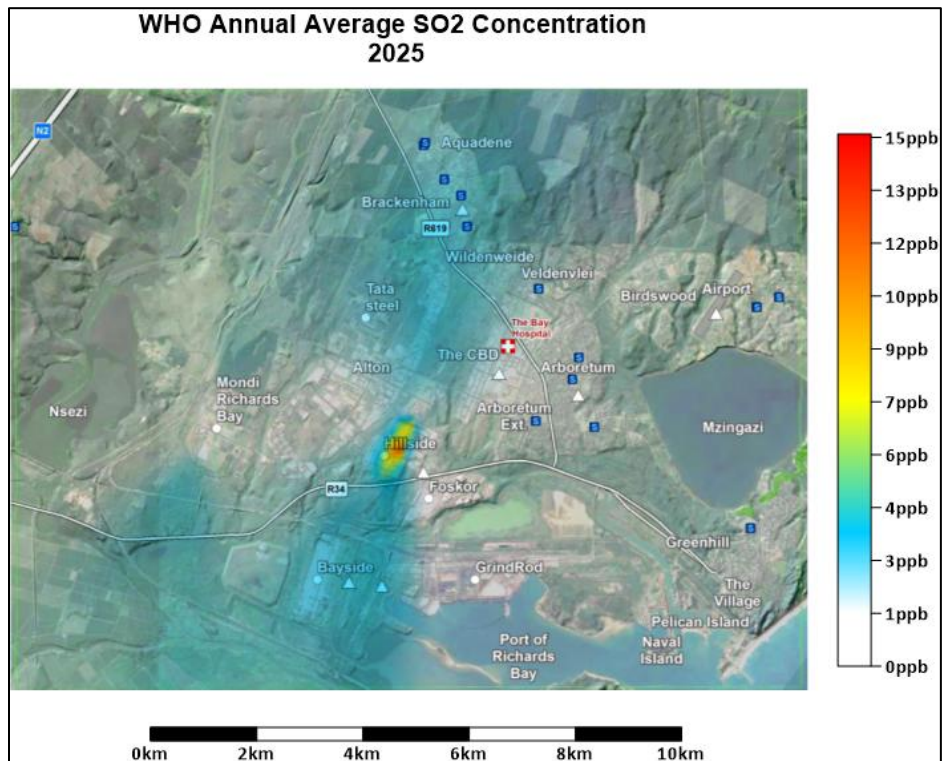


Figure 9.13: SO₂ annual average prediction 2025 (Richards Bay map WHO AAQG).

9.9.3. Maximum Daily Average Predictions

Maximum daily average concentration predictions can provide insights into the short-term or peak exposure patterns, identify potential high-risk areas or periods, and assess the need for targeted mitigation or management strategies. This information is crucial for protecting human health, safeguarding the environment, and ensuring compliance with relevant air quality regulations and guidelines.

Figure 9.14 (regional) and Figure 9.15 (local) are evaluated according to the RSA or regulatory guideline (48 ppb), and Figure 9.16 (regional) and Figure 9.17 (local) are assessed according to the WHO or health standard (daily 15 ppb). There is a much more significant difference between these limits. Observable features include impacts on elevated locations, such as hills, and seasonal and diurnal influences, such as summertime late afternoon sea-to-land breezes and wintertime early morning land-to-sea breezes.

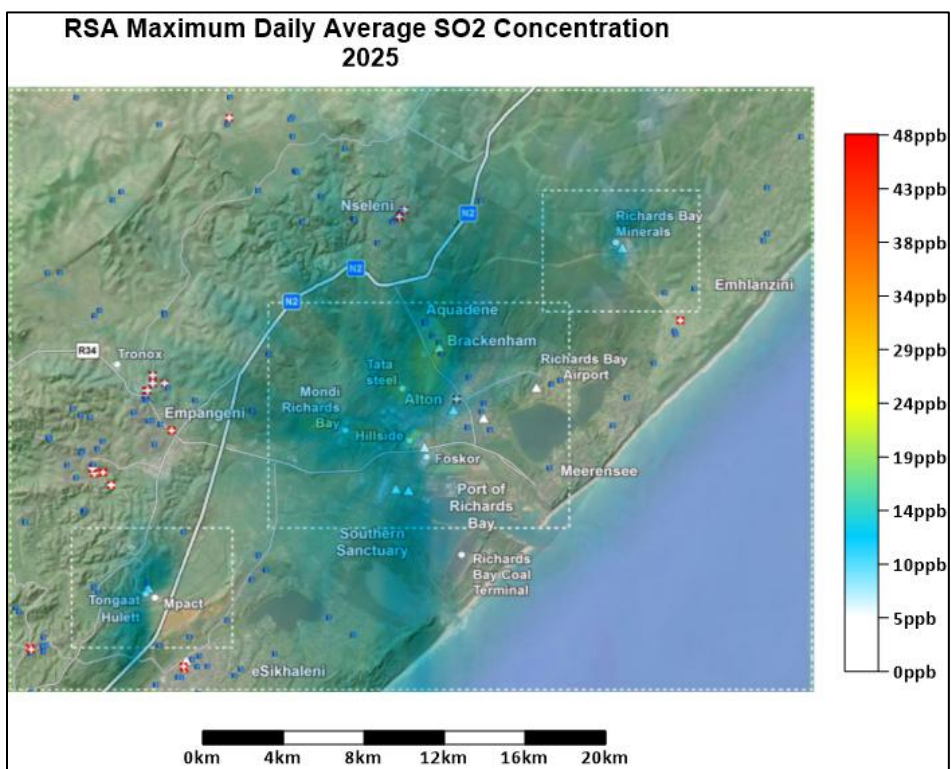


Figure 9.14: SO₂ maximum daily average prediction 2025 (regional map RSA AAQS).

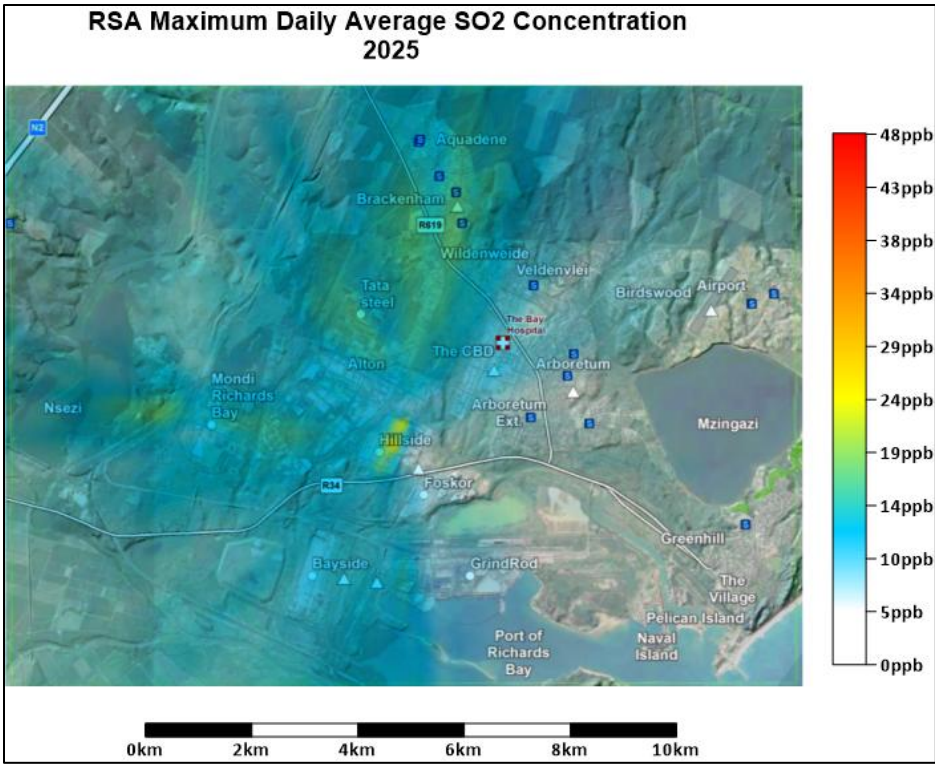


Figure 9.15: SO₂ maximum daily average prediction 2025 (Richards Bay map RSA AAQS).

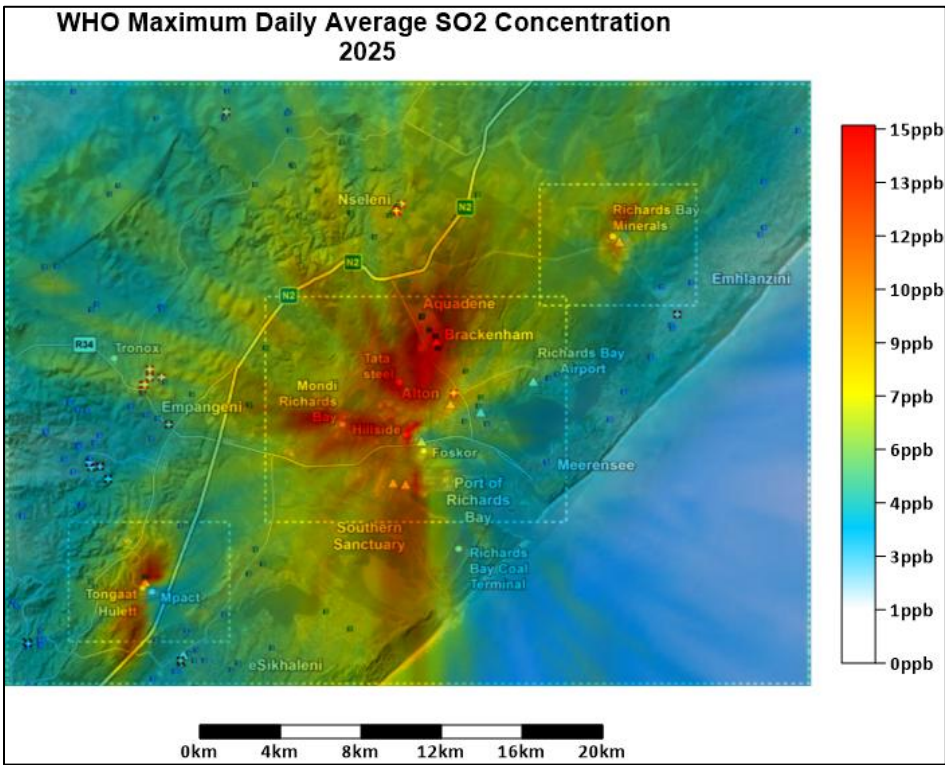


Figure 9.16: SO₂ maximum daily average prediction (regional map WHO AAQG).

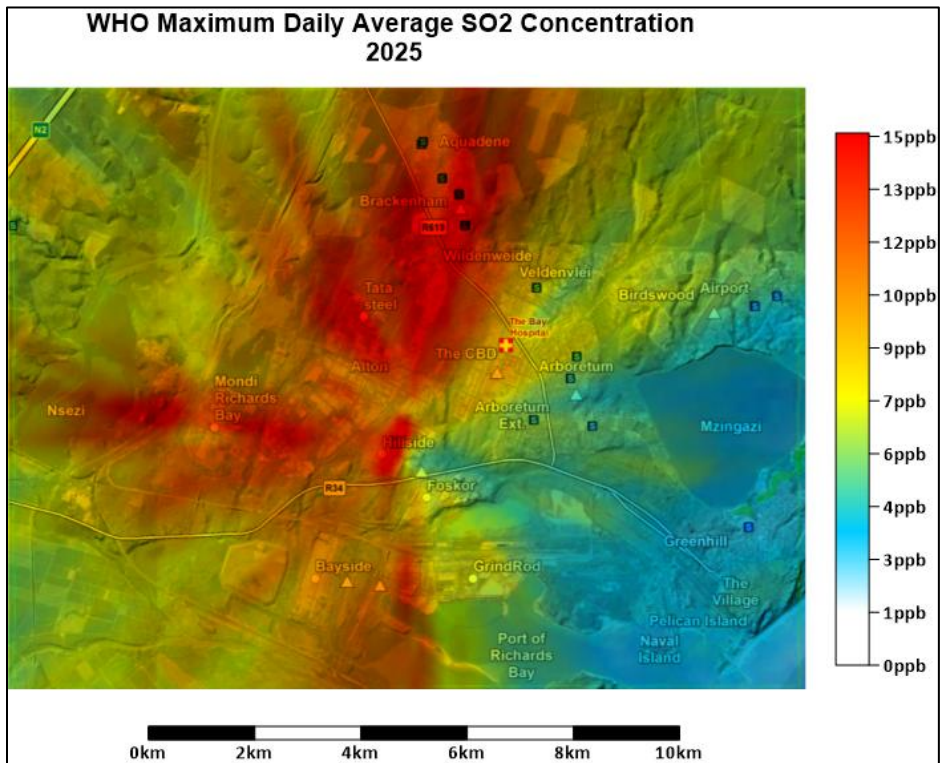


Figure 9.17: SO₂ maximum daily average prediction 2025 (Richards Bay map WHO AAQG).

9.9.4. Maximum Hourly Average Predictions

Analysing the maximum hourly average concentration predictions can provide the most detailed and time-sensitive insights into the potential for acute exposures, identify critical high-risk areas or periods, and inform the development of effective emergency response and mitigation strategies. This information is essential for protecting public health, safeguarding the environment, and ensuring compliance with air quality regulations during short-term, high-exposure events.

The following plots of SO₂ concentrations are provided:

- ▶ SO₂ Hourly Predicted Maxima (RSA):
 - Regional (Figure 9.18)
 - Richards Bay (Figure 9.19)

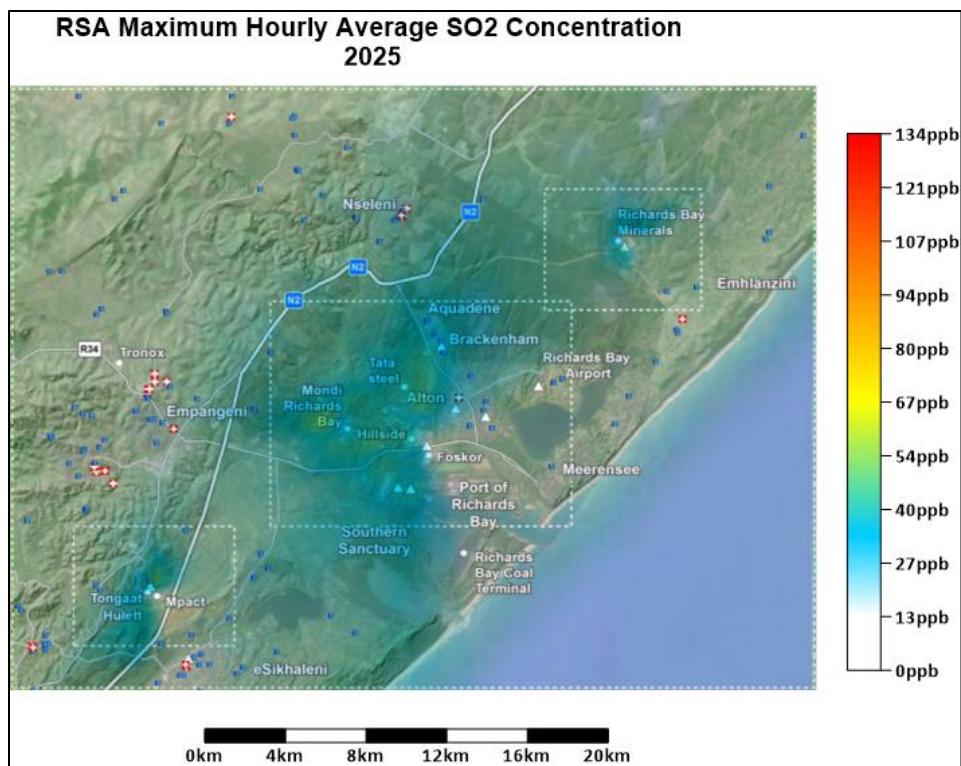


Figure 9.18: SO₂ maximum hourly average prediction 2025 (regional map RSA AAQS).

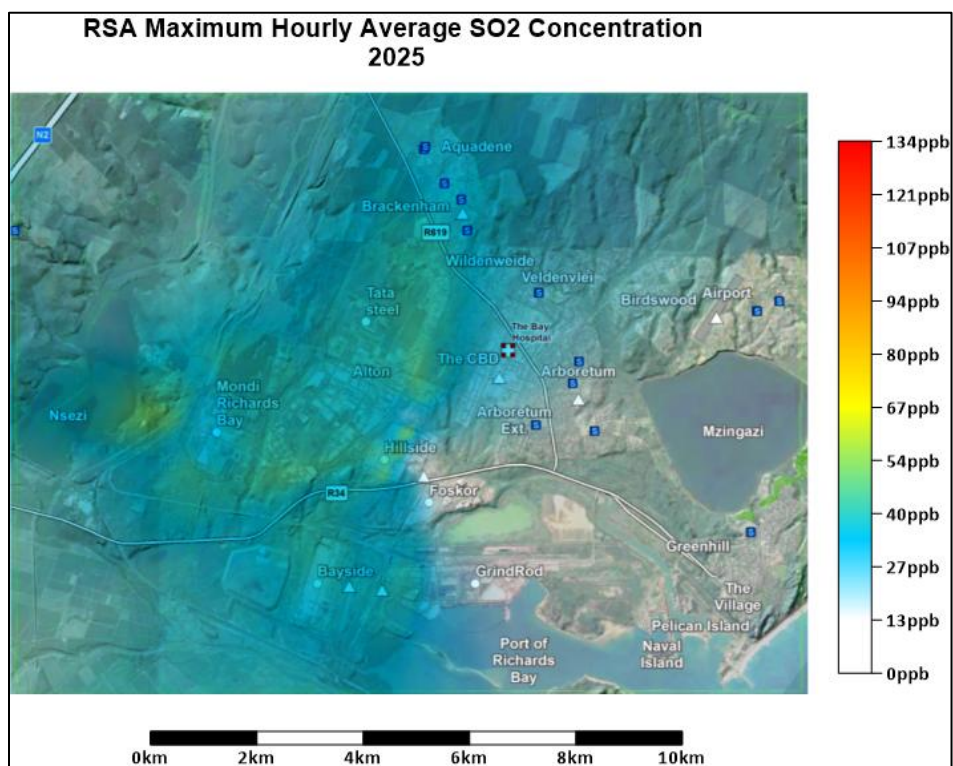


Figure 9.19: SO₂ maximum hourly average prediction 2025 (Richards Bay map RSA AAQS).

9.9.5. Maximum 10-minute Average Predictions

Analysing the maximum 10-minute average concentration predictions can provide the most detailed and time-sensitive insights into the potential for extremely short-term acute exposures. This information is essential for protecting public health, safeguarding the environment, and implementing effective emergency response and mitigation strategies during these critical high-exposure events.

The following plots of SO₂ concentrations are provided:

- SO₂ 10-minute Predicted Maxima (RSA & WHO):
 - Regional (Figure 9.20)
 - Richards Bay (Figure 9.21)

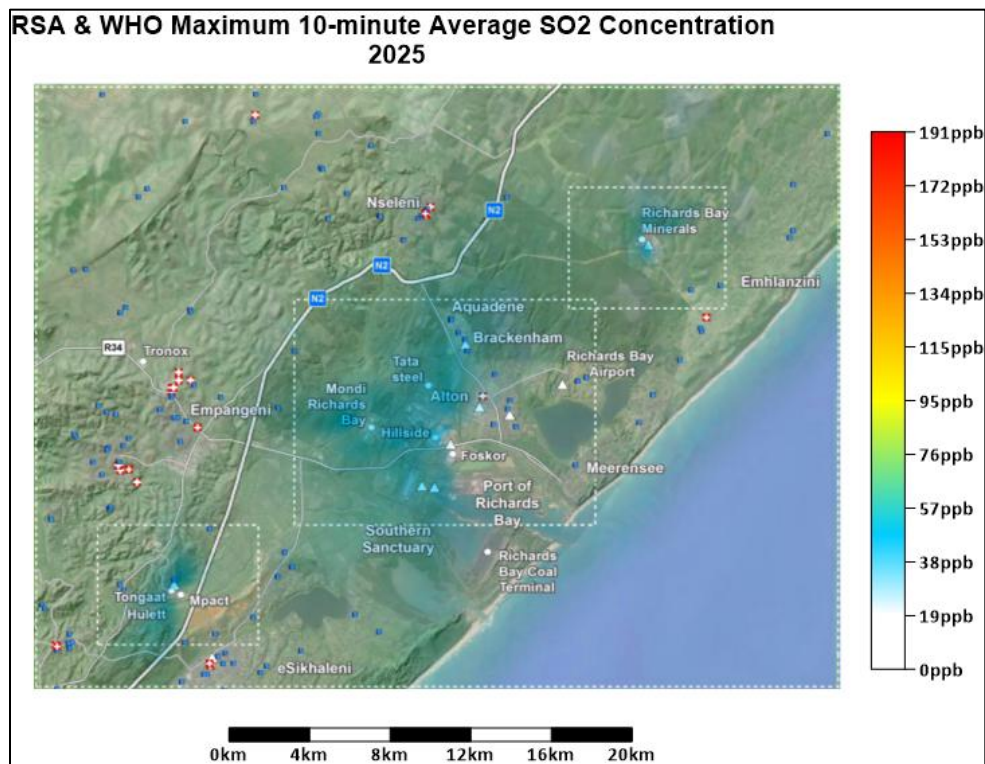


Figure 9.20: SO₂ maximum 10-minute average prediction 2025 (regional map RSA AAQS and WHO AAQG).

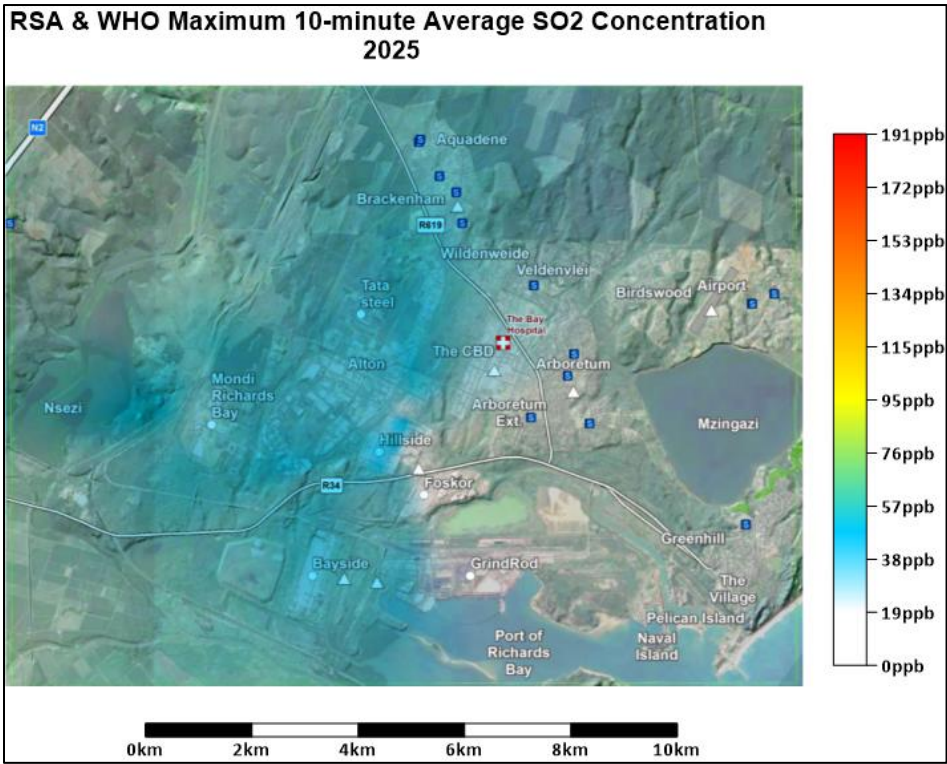


Figure 9.21: SO₂ maximum 10-minute average prediction 2025 (Richards Bay map, RSA AAQS, and WHO AAQG).

9.9.6. Predictions for Various Areas

Predicted impacts at selected receptors are summarised in Table 9.9 (refer to the table header for the statistic reported).

Table 9.9: Summary of maximum predicted SO₂ impacts for various areas for 2025.

Receptor	Concentration (99th Percentile)				Exceedances					Percentage of Standard / Guideline				
	10-minute	Hourly	Daily	Annual	10-minute	Hourly	Daily	Annual	Daily	10-minute	Hourly	Daily	Annual	Daily
	ppb	ppb	ppb	ppb	RSA & WHO	RSA	RSA	RSA	WHO	RSA & WHO	RSA	RSA	RSA	WHO
Alton	39.4	36.9	12.0	2.0	5	1	0	0	1	21%	28%	25%	11%	80%
Aquadene	33.8	31.5	14.0	2.4	0	0	0	0	2	18%	24%	29%	13%	93%
Arboretum	16.5	14.5	6.3	0.8	0	0	0	0	0	9%	11%	13%	4%	42%
Arboretum Extension	15.7	14.8	7.1	0.7	0	0	0	0	0	8%	11%	15%	4%	47%
Birdswood	21.6	19.7	6.6	1.0	0	0	0	0	0	11%	15%	14%	5%	44%
Brackenham	34.4	31.9	14.0	2.7	0	0	0	0	2	18%	24%	29%	14%	93%
CBD	25.6	23.3	7.8	1.7	0	0	0	0	0	13%	17%	16%	9%	52%
Empangeni	15.7	15.8	5.8	0.7	0	0	0	0	0	8%	12%	12%	4%	39%
eSikhaleni	15.9	14.1	4.7	1.1	0	0	0	0	0	8%	10%	10%	6%	31%
Felixton	39.3	34.8	11.6	2.2	0	0	0	0	1	21%	26%	24%	11%	77%
Greenhill	10.2	9.3	4.5	0.5	0	0	0	0	0	5%	7%	9%	3%	30%
Mandlazini Agri	11.6	10.6	3.5	0.6	0	0	0	0	0	6%	8%	7%	3%	23%
Meerensee	9.4	7.9	4.2	0.5	0	0	0	0	0	5%	6%	9%	3%	28%
Mzingazi Agri	9.8	8.5	3.5	0.5	0	0	0	0	0	5%	6%	7%	3%	23%
eNseleni	23.3	21.6	7.8	1.2	0	0	0	0	0	12%	16%	16%	7%	52%
Southern Sanctuary	27.6	25.6	10.7	2.4	0	0	0	0	0	14%	19%	22%	13%	71%
Veldenvlei	24.0	21.4	7.3	1.5	0	0	0	0	0	13%	16%	15%	8%	48%
Vulindlela	17.1	16.0	5.0	0.7	0	0	0	0	0	9%	12%	10%	4%	33%
Wildenweide	31.7	29.7	12.1	2.4	1	0	0	0	2	17%	22%	25%	13%	81%

9.9.7. Model Correlation

Measured annual-average SO₂ concentrations (2025) are compared with the CALPUFF annual-average prediction in Figure 7.21. Model performance should be assessed using matched years and averaging periods, with quantitative statistics (e.g., bias, RMSE, correlation, FAC2) and an explicit statement of whether modelled values are incremental (source contribution) or include background.

The -50% to +200% range is a coarse screening check and should not be treated as a stand-alone model validation criterion. Under-prediction at CBD and Scorpio may indicate missing/underestimated emissions, representativeness mismatches between point receptors and model grid receptors, or near-field limitations; these potential causes should be tested explicitly (emissions review, source apportionment runs, and sensitivity checks).

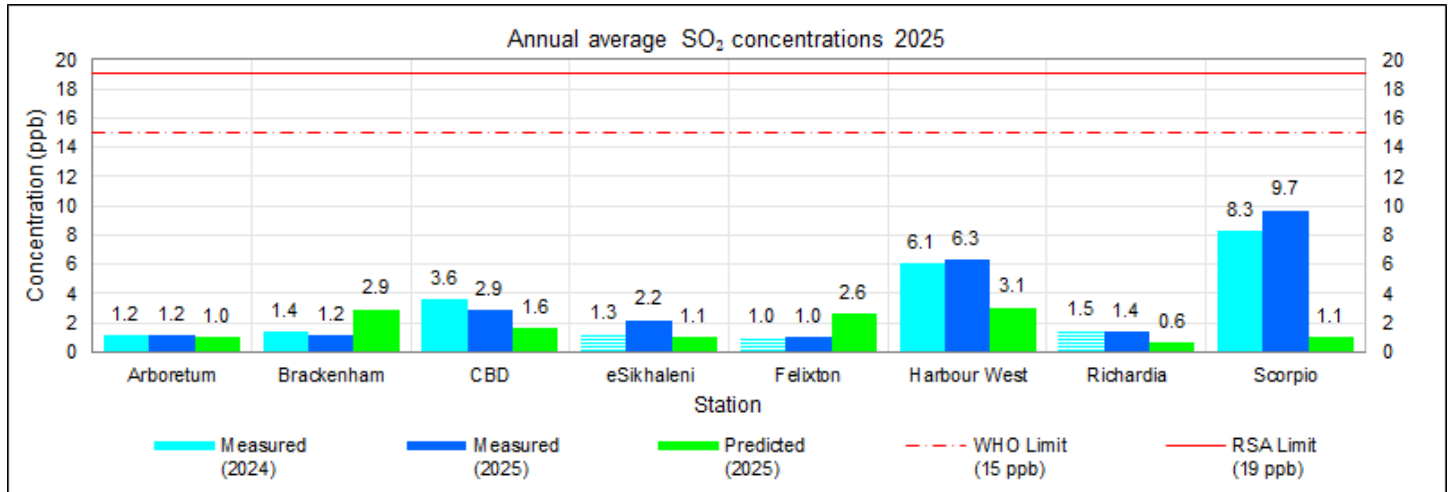


Figure 9.22: SO₂ annual average concentration and prediction.

Dispersion modelling conclusion: CALPUFF screening results (incremental source contribution; no background included) indicate that 2025 99th-percentile SO₂ concentrations at selected community receptors remain well below the RSA NAAQS for 10-minute, 1-hour and 24-hour averaging periods, and annual averages remain below the RSA annual NAAQS. When scaled to the WHO 24-hour guideline (15 ppb) for health context, predicted 99th-percentile daily values at the highest receptors approach the guideline (up to ~93%; Table 9.9), indicating that measured WHO exceedance-days are likely driven by episodic events and/or contributions not represented in the incremental model (background, missing/underestimated sources, and configuration such as building downwash). Consistent with the annual air quality priority focus areas, the measured 24-hour non-compliance at Scorpio and model under-prediction at CBD/Scorpio support prioritising emissions verification and targeted sensitivity runs for sources influencing Scorpio and Harbour West.

9.10. Conclusion

- ▶ Data capture (2025): SO₂ capture met ≥97% at all reporting stations (97–99%; Table 2.2), satisfying the ≥90% SANAS criterion and the RBCAA ≥95% reporting target.
- ▶ Regulatory (RSA NAAQS): The 24-hour SO₂ NAAQS (max 4 exceedances/year) was non-compliant at Scorpio (8 exceedances) and compliant at all other stations. The 1-hour (max 88 exceedances/year) and 10-minute (max 526 exceedances/year) standards remained compliant at all stations.
- ▶ Health guidance (WHO): WHO 24-hour guideline exceedance-days were highest at Scorpio (67) and Harbour West (41), with additional exceedances at CBD (7) and Richardia (1).
- ▶ Annual averages: Annual average SO₂ concentrations remained below the RSA annual NAAQS (19 ppb); WHO (2021) does not specify an annual-average SO₂ guideline (Figure 7.3).
- ▶ Interpretation: The only RSA NAAQS non-compliance occurred for the 24-hour standard at Scorpio (8 exceedance-days). In combination with compliance for the 10-minute and 1-hour standards, this indicates that impacts were driven by sustained elevated periods over the 24-hour averaging window rather than extreme short-duration spikes. Event-based analysis (exceedance-day timing, wind direction and speed, and facility operating logs) should be prioritised to identify the dominant source/transport conditions affecting Scorpio.
- ▶ Dispersion modelling context (CALPUFF; Section 7.9): Screening predictions (incremental source contribution; no background included) indicate that 99th-percentile daily impacts at selected receptors remain well below the RSA 24-hour NAAQS but can approach the WHO 24-hour guideline at a few locations (Table 7.7). The observed annual-average under-prediction at CBD and Scorpio supports prioritising emissions verification and targeted sensitivity runs for sources influencing Scorpio and Harbour West.
- ▶ Health/amenity implication: Although annual averages remained compliant, the WHO 24-hour guideline was exceeded on multiple days at Scorpio and Harbour West, indicating residual short-term exposure risk and supporting continued focus on episodic plume management and operational incident prevention.

10. TOTAL REDUCED SULPHUR MONITORING

Total reduced sulphur compounds (TRS), often associated with rotten egg or cooked cabbage odour, refer to a gaseous mixture of compounds consisting mainly of hydrogen sulphide (H_2S), methyl mercaptan ($\text{CH}_3\text{S-H}$), dimethyl sulphide ($\text{CH}_3\text{-S-CH}_3$), and dimethyl disulphide ($\text{CH}_3\text{-S-S-CH}_3$). While there are other ambient TRS compounds, these four are the most common, abundant, and generally referred to in TRS discussions. Once released into the atmosphere, oxidation products of TRS compounds, such as sulphuric acid, contribute to the environment's acidity.

The most often reported health concerns related to TRS substances are nausea and headaches, although each component has its own characteristics and effects.

10.1. Ambient Air Quality Standards

There are no South African standards for TRS; however, the World Health Organisation (WHO) and the Ontario Ministry of the Environment, Conservation and Parks (MECP) have derived guidelines.

Organisation	Limit	10-min Average	30-minute Average	24-hour Average	Annual Average
WHO	Guideline	-	7 $\mu\text{g}/\text{m}^3$ [a]	-	-
		-	5 ppb [a]	-	-
MECP	Standard (pulp and paper)	13 $\mu\text{g}/\text{m}^3$ [b]	10 $\mu\text{g}/\text{m}^3$ [b]	14 $\mu\text{g}/\text{m}^3$ [c]	-
		9.3 ppb [b]	7.2 ppb [b]	10.1 ppb [c]	-
MECP	Standard (other industries)	13 $\mu\text{g}/\text{m}^3$ [b]	10 $\mu\text{g}/\text{m}^3$ [b]	7 $\mu\text{g}/\text{m}^3$ [b]	-
		9.3 ppb [b]	7.2 ppb [b]	5.0 ppb [b]	-

Notes:

- a) World Health Organisation recommendation to avoid substantial complaints about odour annoyance among the exposed population (WHO, 2000a).
- b) Based on odour effects (OME, 1999).
- c) Based on the odour and health effects (OME, 1999).
- d) Based on the adverse effects on the respiratory system (nasal lesions) (OME, 1999).

The RBCAA has decided to implement the following:

- ▶ WHO 30-minute H_2S Guideline; and the
- ▶ MECP daily and 10-minute standards for the Pulp and Paper sector.

Interpretation note: The WHO 30-minute hydrogen sulphide guideline (7 $\mu\text{g}/\text{m}^3$, ≈ 5 ppb) (WHO, 2000b) is intended to prevent substantial odour-annoyance in the general population (nuisance management), rather than to define a health-based threshold. The Ontario technical standard cited for kraft pulp and paper facilities includes a 10-minute community ambient TRS performance limit of 27 ppb. (OME, 2018); this is likewise framed as a community nuisance/impact control metric.

TRS exceedances can be associated with emissions because of process upsets (e.g., planned maintenance, plant shutdowns, or start-up), leaks in equipment, pipelines, seals, and valves (fugitive emissions), or events (e.g., fires or emergency shutdowns).

10.2. Annual Concentrations

Annual average concentrations dating back to 2006 are illustrated in Table 10.1 and Figure 10.1. Over 2021–2025, Mann–Kendall testing indicates no statistically significant monotonic trend at CBD, eSikhaleni or Felixton ($p > 0.05$; classified as stable). Over the full available record, eSikhaleni shows a statistically significant decreasing trend (2014–2025; Sen slope -0.039 ppb/year; $p = 0.022$), while CBD shows elevated values during 2006–2008 followed by near-stable concentrations since 2009 (Sen slope 0.00 ppb/year; $p = 1.00$). The other stations do not have enough current data to establish a trend. (Mann, 1945) (Kendall, 1975) (Sen, 1968).

Table 10.1: TRS annual average concentration (2006 to 2025)

Year	CBD	eNseleni	eSikhaleni	Felixton	Richardia
2006	4.3				
2007	3.0				
2008	3.0				
2009	1.1				
2010	0.8				
2011	1.1				
2012	1.5				
2013	1.0				
2014	1.3		1.4		
2015	1.1		1.2		
2016	0.7		1.4		
2017	0.7		1.4		
2018	0.6	0.1	1.4		
2019	0.7	0.2	1.4		
2020	0.8	0.1	1.0		
2021	0.8		1.0	1.5	
2022	1.3		1.1	2.0	
2023	1.4		1.3	1.4	0.5
2024	1.2		0.7	0.8	1.2
2025	1.0		0.9	1.0	1.0

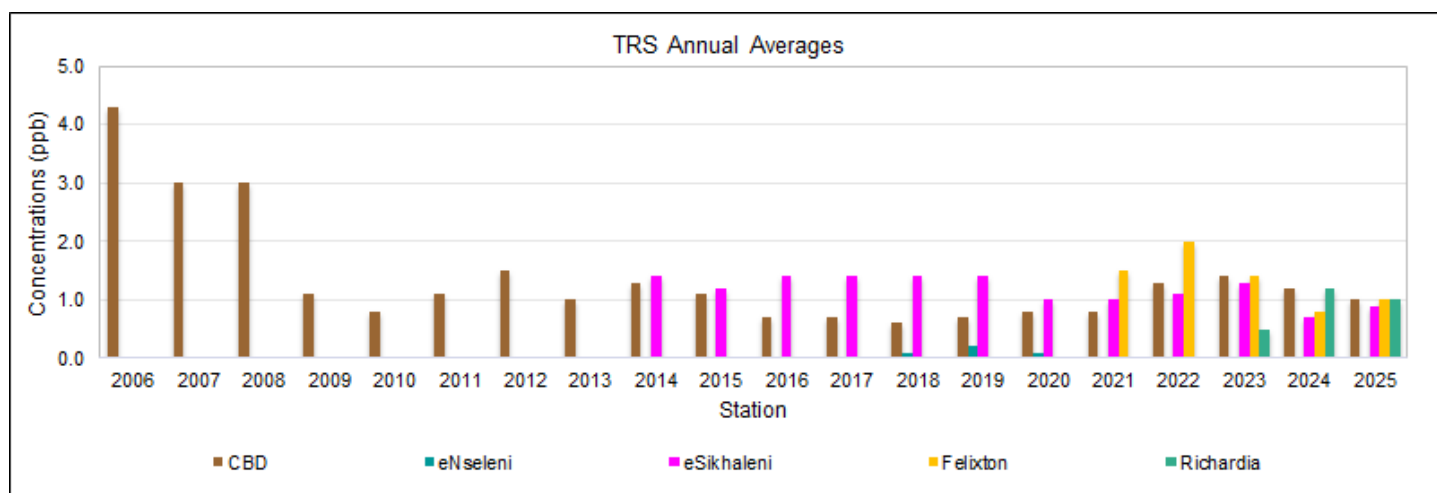


Figure 10.1: TRS annual average concentration (2006 to 2025).

Comparing the 2025 to 2024, annual average TRS concentrations at CBD, eSikhaleni, Felixton, and Richardia were similar (the difference was less than 10% of the MECP daily limit) (Figure 10.2).

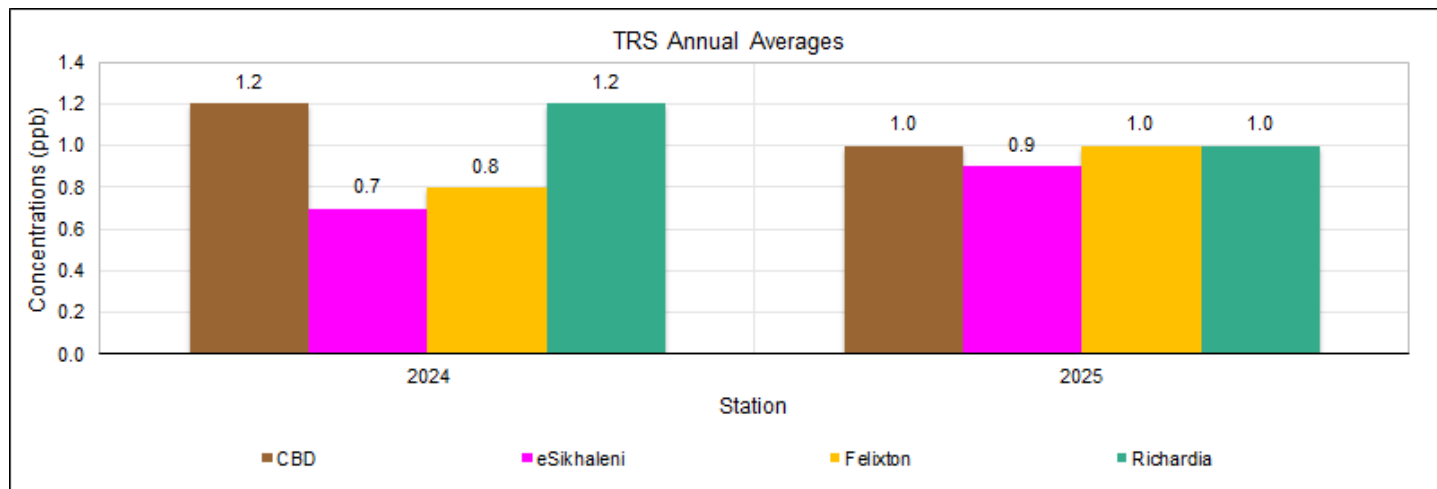


Figure 10.2: TRS annual average concentration (2024 to 2025).

Annual average TRS concentrations are shown in Figure 10.3.

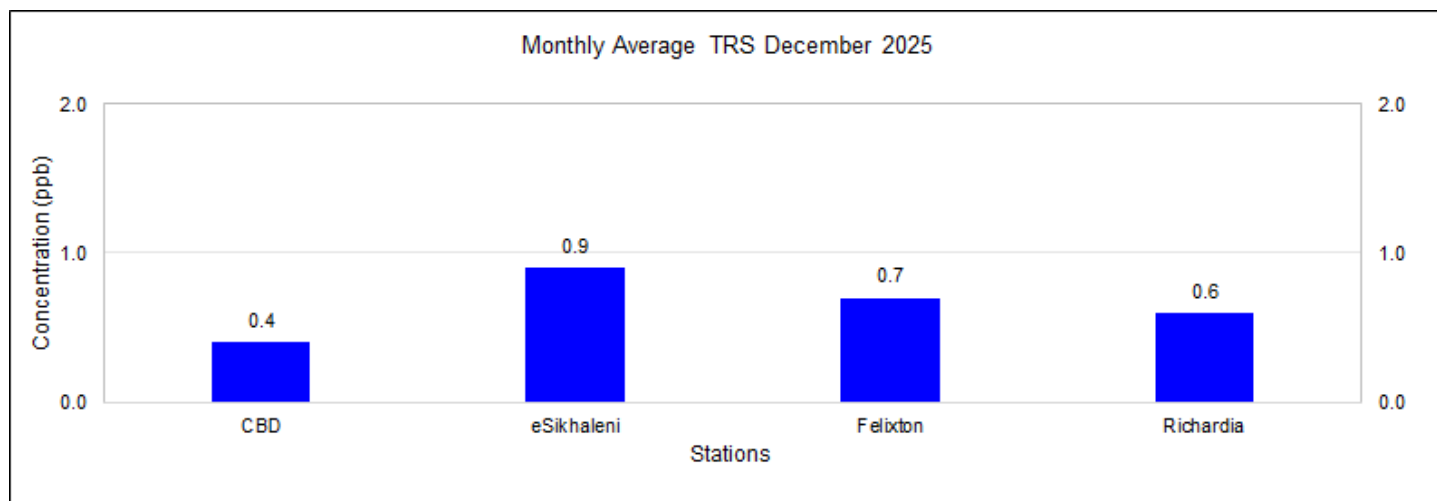


Figure 10.3: TRS annual average concentration.

10.3. Monthly Concentrations

Monthly average TRS concentrations are shown in Figure 10.4. Comparisons to previous months are also provided (Figure 8.4).

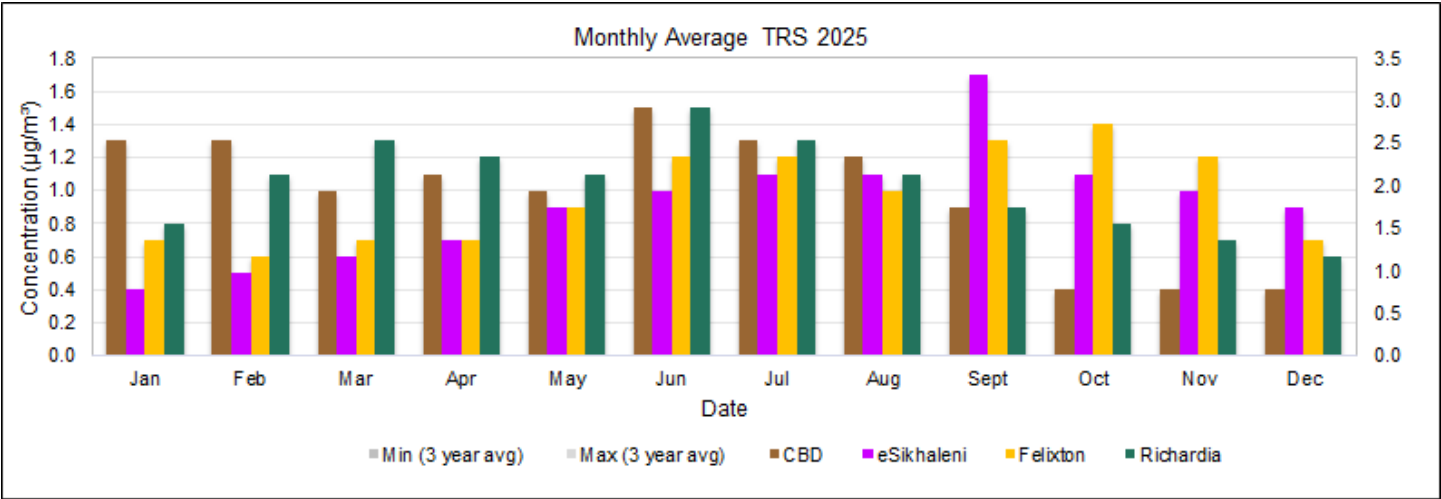


Figure 10.4: TRS monthly concentrations.

10.4. Diurnal Concentrations

The diurnal TRS concentrations are shown below (Figure 10.5).

The diurnal profile summarises the mean TRS concentration by hour-of-day (2025 aggregate). Odour-related TRS/H₂S impacts are typically episodic; therefore, diurnal averages are most useful when interpreted alongside exceedance-event timing and the source-allocation results (Table 10.3, and Table 10.4), supported by concurrent meteorology (especially low wind speeds and stable conditions).

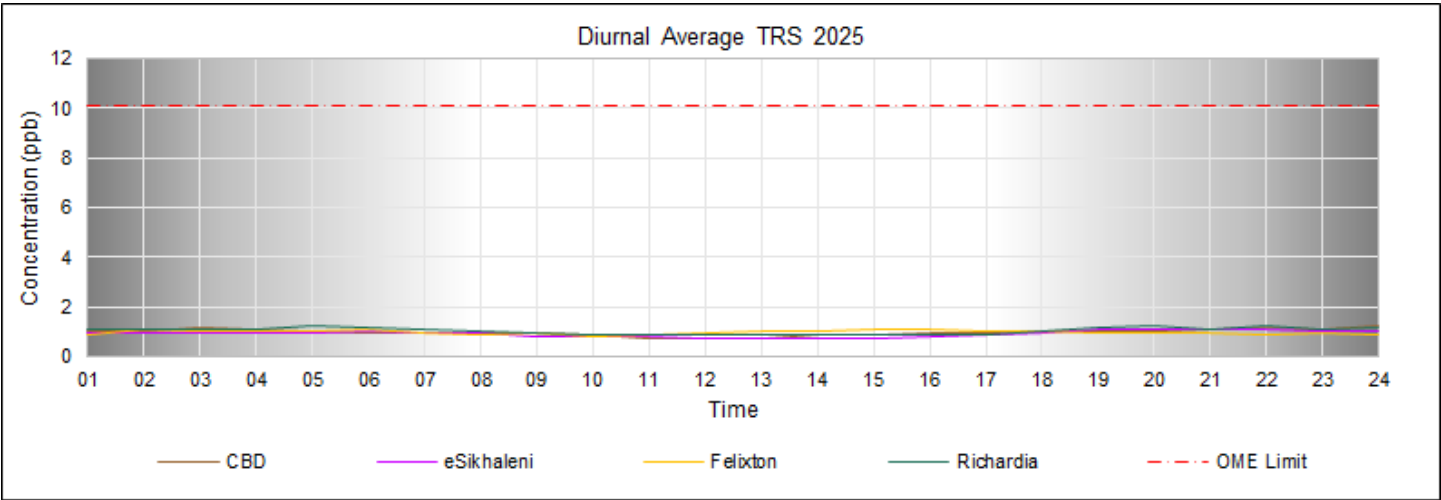


Figure 10.5: TRS diurnal concentrations.

10.5. Daily Concentrations

Daily average TRS concentrations are shown below (Figure 10.6). There was one (1) measured exceedance of the MECP Limit (10.1 ppb) across the network.

Table 10.2: TRS 24-hour average exceedances

TRS 24-hr-MECP Limit (10.1 ppb)	1
CBD	1
Mondi	1

Note:

- Yellow indicates an exceedance of the guideline.

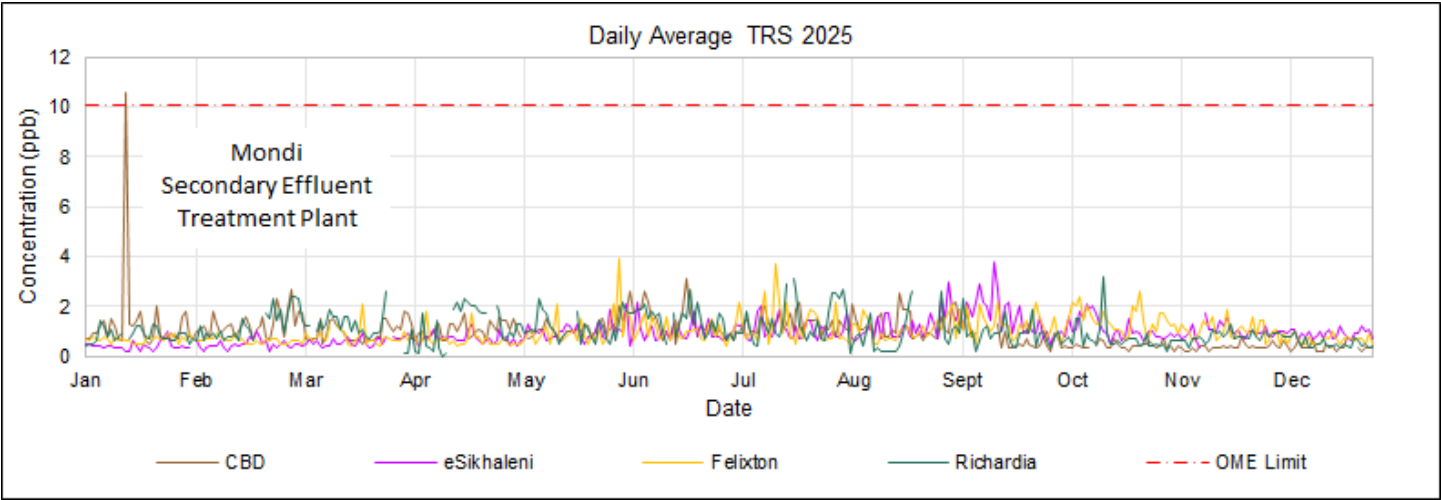


Figure 10.6: TRS daily average concentration.

10.6. 30-minute Concentrations

Figure 10.7 shows the 30-minute average TRS concentrations. Five hundred and nine (509) measured exceedances of the WHO Limit (5.0 ppb) were observed across the network. Exceedances at CBD were associated with emissions from Mondi, and exceedances at eSikhaleni and Felixton were related to emissions from Mondi, Mpact, and Tongaat Hullet.

Table 10.3: TRS 30-minute average exceedances.

TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	509
CBD	143
Mondi	143
eSikhaleni	75
Local source	1
Mondi	50
THS	16
THS + Mondi	4
THS + Mondi (Meteorology)	3
Unresolved	1
Felixton	204
Mondi	20
Mondi & THS	1
RBCAA allocation	8
THS	159
THS (meteorology)	1
THS + Mondi	7
THS + Mondi (Meteorology)	5
Unresolved	3
Richardia	87
CoU	23
Mondi	63
THS + Mondi	1

Note:

- Yellow indicates an exceedance of the guideline.

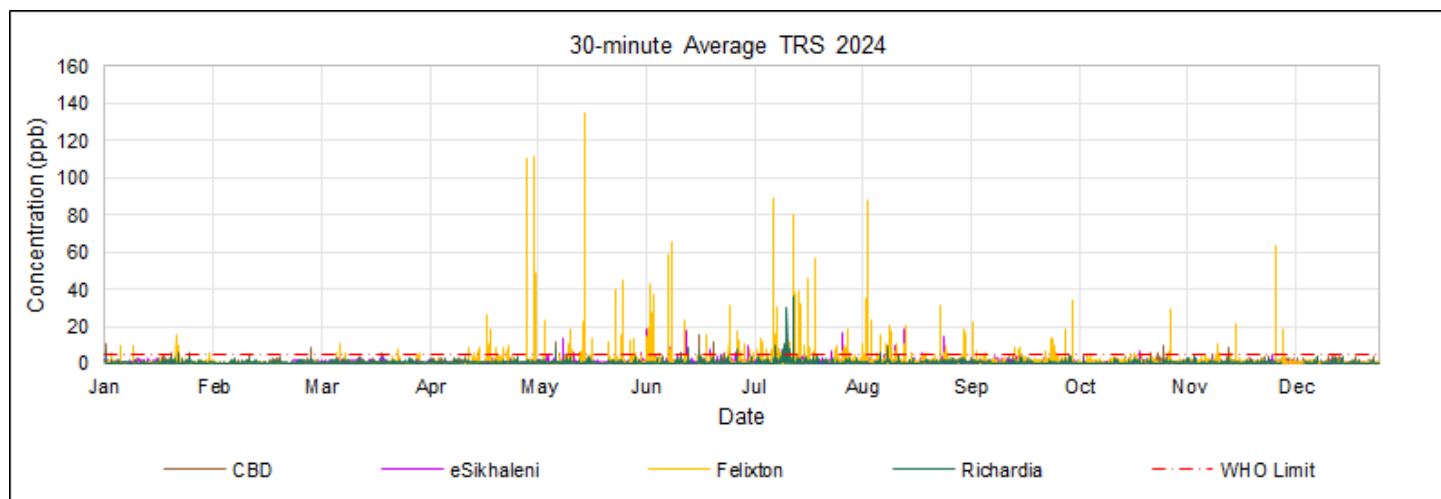


Figure 10.7: TRS 30-minute average concentration.

10.7. 10-minute Concentrations

The 10-minute average TRS concentrations are shown in Figure 8.8. There were four hundred and fifty-three (453) measured exceedances of the MECP Limit (9.3 ppb) (Table 10.4). Exceedances at CBD were associated with emissions from Mondi, and exceedances at eSikhaleni and Felixton from Mondi, Mpact and Tongaat Hulett.

Table 10.4: TRS 10-minute average exceedances.

TRS 10-minute MECP Limit (9.3 ppb)	453
CBD	107
Mondi	107
eSikhaleni	39
Mondi	22
THS	11
THS + Mondi	3
THS + Mondi (meteorology)	3
Felixton	218
Mondi	34
RBCAA allocation	4
THS	151
THS (meteorology)	2
THS + Mondi	12
THS + Mondi (meteorology)	10
Unresolved	5
Richardia	89
CoU	30
Mondi	59

Note:

- Yellow indicates an exceedance of the guideline.

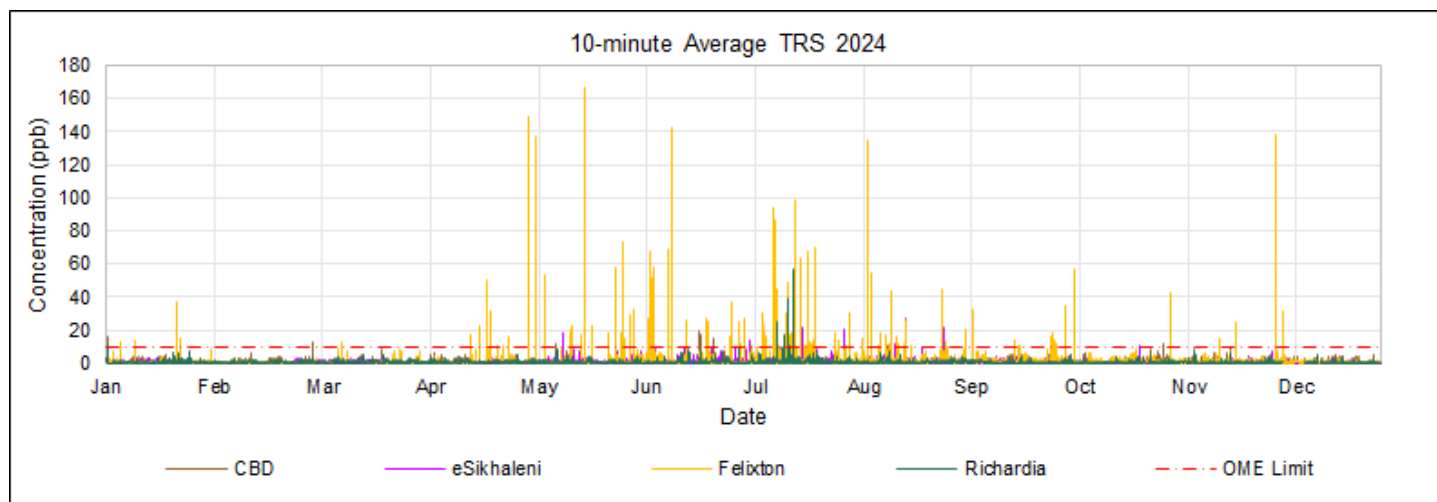


Figure 10.8: TRS 10-minute average concentrations.

10.8. Exceedances

Annual comparisons of the number of days on which exceedances occurred are shown in Figure 10.9. Areas where no exceedances were measured may be considered good air quality (for the benchmarks applied in this report).

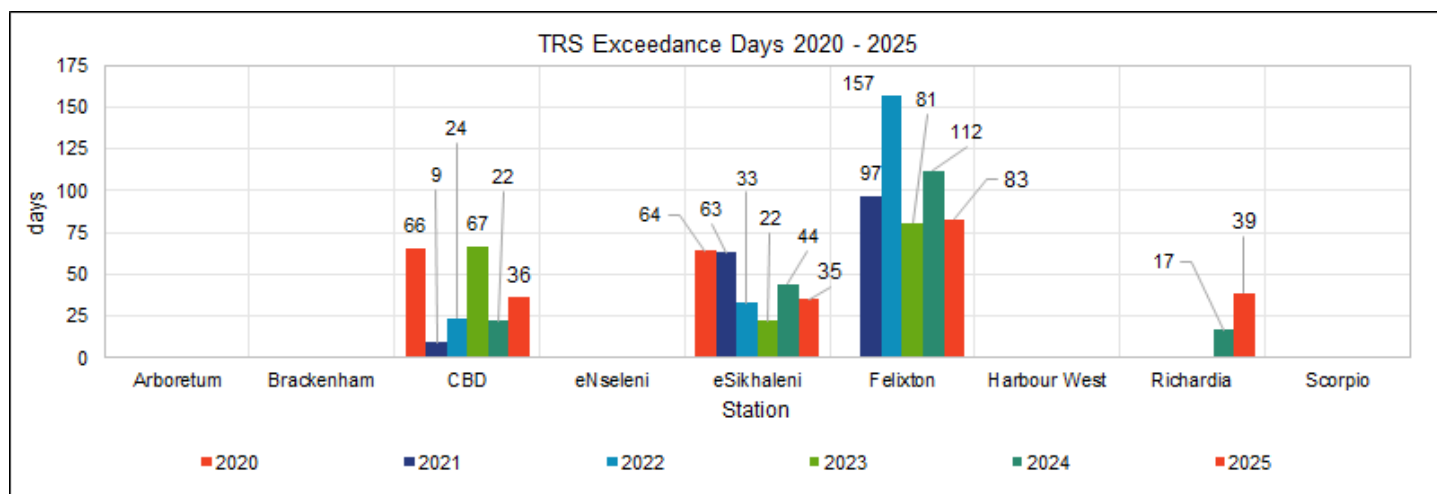


Figure 10.9: TRS exceedance days from 2019 to 2025.

Table 10.5: TRS exceedance summary 2025.

2025	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
TRS 24-hr-MECP Limit (10.1 ppb)													
CBD	1	-	-	-	-	-	-	-	-	-	-	-	1
eSikhaleni	-	-	-	-	-	-	-	-	-	-	-	-	0
Felixton	-	-	-	-	-	-	-	-	-	-	-	-	0
Richardia	-	-	-	-	-	-	-	-	-	-	-	-	0
TRS 30-minute WHO H₂S Limit (5.0 ppb)													
CBD	34	25	15	10	2	41	3	10	3	-	-	-	143
eSikhaleni	-	-	-	-	4	19	11	4	29	5	2	1	75
Felixton	1	-	8	7	11	31	51	20	51	11	10	3	204
Richardia	5	7	3	7	3	16	3	9	19	9	6	-	87
TRS 10-minute MECP Limit (9.3 ppb)													
CBD	53	10	8	7	-	27	-	-	2	-	-	-	107
eSikhaleni	-	-	-	-	4	11	8	1	10	5	-	-	39
Felixton	2	-	4	10	10	43	66	13	46	4	15	5	218
Richardia	3	1	-	9	-	13	-	19	24	12	8	-	89

Note: Yellow indicates an exceedance of the guideline.

10.9. Conclusion

- ▶ Data capture (2025): TRS capture was 95–99% across reporting stations (CBD 98%, eSikhaleni 99%, Felixton 99%, Richardia 95%; Table 2.2), meeting the $\geq 90\%$ SANAS criterion and the RBCAA $\geq 95\%$ reporting target (Richardia at the 95% threshold).
- ▶ Regulatory (RSA NAAQS): No South African ambient air quality standard exists for TRS/H₂S; therefore, regulatory compliance is not assessed.
- ▶ Health/odour guidance (2025): WHO 30-minute exceedances totalled Felixton (204), CBD (143), Richardia (87) and eSikhaleni (75). MECP 10-minute exceedances totalled Felixton (218), CBD (107), Richardia (89) and eSikhaleni (39). MECP 24-hour exceedances were limited to CBD (1); all other stations recorded 0.
- ▶ Exceedance character: The rarity of 24-hour exceedances (1 at CBD) compared with frequent 10- and 30-minute exceedances indicates that TRS impacts were predominantly short-term odour events rather than persistent, long-duration elevation.
- ▶ Source allocation: CBD exceedances were allocated to Mondi. At Felixton, exceedances were predominantly allocated to THS, with additional Mondi/combined-source allocations and a small number unresolved. At eSikhaleni, exceedances were mainly Mondi and THS, and at Richardia, exceedances were mainly Mondi and the City of uMhlathuze (Tables 8.3–8.4). Continued refinement of unresolved allocations and rapid incident follow-up remain key to reducing odour impacts.
- ▶ Priority focus: Reduce short-term TRS/H₂S odour events through (i) strengthened incident prevention and rapid follow-up with key contributors (THS at Felixton; Mondi at CBD), and (ii) continued refinement of unresolved allocations using higher-resolution wind/operational data to improve root-cause identification.

11. ANNUAL AIR QUALITY

Where possible, the RBCAA assesses data collected by its network against National Standards, International Guidelines, and Local Targets. The WHO air quality guidelines (AQGs) are intended for worldwide use and have been developed to support actions to achieve air quality that protects public health in different contexts. On the other hand, air quality standards and local targets are set by each country or region to protect the public health of their citizens and, as such, are an essential component of national risk management and environmental policies. National standards and local targets vary according to the approach adopted for balancing health risks, technological feasibility, economic considerations, and other political and social factors. These factors, in turn, depend on, among other things, the level of development and national capability in air quality management. (WHO, 2005).

Determining air quality with respect to pollutants measured and impacts simulated is based on comparison to and exceedances of short-term (10-minute, 30-minute, 1-hour and 24-hour averages) and long-term (monthly and annual averages) targets, guidelines, and standards.

Across 2025, compliance with RSA NAAQS was generally achieved for PM₁₀ and for SO₂ short-term metrics (10-minute and 1-hour), while exceedance-frequency non-compliance persisted for PM_{2.5} (Brackenham, Felixton and Scorpio) and for SO₂ 24-hour at Scorpio, WHO health-based guidelines were exceeded more widely for PM_{2.5} and, to a lesser extent, SO₂, indicating that public-health exposure considerations remain relevant even where regulatory compliance is achieved. Short-term odour events dominated TRS/H₂S exceedances, with the highest exceedance counts at Felixton and CBD.

11.1. Conclusion

Short Term

Regulatory (RSA NAAQS)

- ▶ PM₁₀ (24-hour NAAQS; max 4 exceedances/year): compliant at all stations reporting PM₁₀.
- ▶ PM_{2.5} (24-hour NAAQS; max 4 exceedances/year): non-compliant at Brackenham (18), Felixton (6) and Scorpio (8); compliant at Harbour West (3).
- ▶ SO₂ (24-hour NAAQS; max 4 exceedances/year): non-compliant at Scorpio (8); compliant at all other stations.

Health/odour guidance (WHO + RBCAA-adopted TRS/H₂S criteria)

- ▶ PM_{2.5} (WHO 24-hour guideline: 15 µg/m³): exceedances were frequent during 2025 (Brackenham: 165; Felixton: 125; Harbour West: 62; Scorpio: 117).
- ▶ SO₂ (WHO 24-hour guideline: 15 ppb): exceedances during 2025 were highest at Scorpio (67) and Harbour West (41), with additional exceedances at CBD (7) and Richardia (1).
- ▶ TRS/H₂S: exceedances of RBCAA-adopted criteria were recorded across 2025 (WHO 30-minute: Felixton 204, CBD 143, Richardia 87, eSikhaleni 75; MECP 10-minute: Felixton 218, CBD 107, Richardia 89, eSikhaleni 39; MECP 24-hour: CBD 1, others 0).

Long Term

Regulatory (RSA NAAQS)

- ▶ Annual averages: PM₁₀, PM_{2.5} and SO₂ annual averages remained below RSA standards; however.

Health/odour guidance (WHO + RBCAA-adopted TRS/H₂S criteria)

- ▶ WHO annual guidelines were exceeded for PM₁₀ at CBD, eSikhaleni, Richardia and Scorpio and for PM_{2.5} at Brackenham, Felixton, Harbour West and Scorpio (Sections 6–7).

Priority focus areas: (i) PM_{2.5} daily peak reduction at Brackenham, Scorpio and Felixton; (ii) investigation and mitigation of SO₂ 24-hour exceedances at Scorpio (and WHO exceedance-days at Harbour West); and (iii) odour management for TRS/H₂S with a focus on THS-related impacts at Felixton and Mondi-related impacts at CBD, supported by improved resolution of unresolved exceedances.

12. ACKNOWLEDGEMENT

Air Impact Measurement Specialists compiled this report for the Richards Bay Clean Air Association; contributors include Alicia Garnica and François Nel.



Signer ID: ABS1DHBUEH7...

Lance Coetzee
Director

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APPENDIX A

ABBREVIATIONS AND TERMS

List of Abbreviations and Terms	
Chemical Formulae	
CH ₃ -S-CH ₃	Dimethyl Sulphide
CH ₃ S-H	Methyl Mercaptan
CH ₃ -S-S-CH ₃	Dimethyl Disulphide
CH ₄	Methane
CO	Carbon Monoxide
CO ₂	Carbon Dioxide
FPM	Fine Particulate Matter
H ₂ S	Hydrogen Sulphide
H ₂ SO ₃	Sulphurous Acid
H ₂ SO ₄	Sulphuric Acid
NO	Nitric Oxide
NO ₂	Nitrogen Dioxide
NO _x	Oxides of Nitrogen
O ₃	Ozone
PM ₁₀	Particulates with an aerodynamic diameter of less than 10 µm
PM _{2.5}	Particulates with an aerodynamic diameter of less than 2.5 µm
SO ₂	Sulphur Dioxide
SO ₃	Sulphur Trioxide
TRS	Total Reduced Sulphur
TSP	Total Suspended Particulates
TVOCs	Total Volatile Organic Compounds

List of Abbreviations and Terms	
Countries	
EU	European Union
RSA	Republic of South Africa
UK	United Kingdom
US	United States

List of Abbreviations and Terms	
Direction	
N	North
NNE	North-North-East
NE	North-East
ENE	East-North-East
E	East
ESE	East-South-East
SE	South-East
SSE	South-South-East
S	South
SSW	South-South-West
SW	South-West
WSW	West-South-West
W	West
WNW	West-North-West
NW	North-West
NNW	North-North-West

List of Abbreviations and Terms	
Measurement	
°	Degrees
°C	Degrees Celsius
µg	Microgram
µg/m ³	Micrograms per cubic meter
BMC	Best Measurement Capabilities
g/s	Grams per second
K	Kelvin
km	Kilometre
km/h	Kilometres per hour
m	Metres
m/s	Metres per second
mg	Milligrams
mg/m ² /day	Milligrams per meter squared per day
mg/m ³	Milligrams per cubic meter
ppb	Parts per billion
ppm	Parts per million
t/day	Tons per day
t/hr	Tons per hour
tpa	Tons per annum

List of Abbreviations and Terms	
Organisations	
AIMS	Air Impact Measurement Specialists
CASCO	Conformity Assessment Committee
DEFF	Department of Environment, Forestry and Fisheries
EA-NPI	Environment Australia - National Pollutant Inventory
EC	European Commission
EU-EA	European Union - Environmental Agency
IEC	International Electrotechnical Commission
IFC	International Finance Corporation
ISO	International Standard Organisation
RBCAA	Richards Bay Clean Air Association
SANAS	South African National Accreditation System
SANS	South African National Standard
UK-EA	United Kingdom - Environmental Agency
US-EPA	United States - Environmental Protection Agency
WHO	World Health Organisation
AMTIC	US EPA Air Monitoring Technology Information Centre
MECP	Ontario Ministry of the Environment, Conservation and Parks
SAAQIS	South African Air Quality Information System

List of Abbreviations and Terms	
Terms	
Analyser	A mechanical-electrical-optical device used to measure the concentration of trace gas pollutants or particulate concentrations.
Calibration	Calibration is a procedure that compares sensor responses to known standards or reference values. Deviations between the expected and known concentrations are corrected and reported.
Database	The data structures and attendant software that organise, store, and allow users access to data.
Environment	The organisation's surroundings include air, water, land, natural resources, flora, fauna, humans, and their interactions and relations.
Meteorological Station	A monitoring station capable of monitoring wind speed, direction, and temperature.
Model	The model implements dispersion modelling mathematics software that calculates ambient pollution concentrations based on emission figures and meteorological data.
Network	The network comprises hardware (sensors, data loggers, telemetry, and computers) and software (data handling, storage programs, models, and databases).
Precision Check	The precision check is a procedure in which a sensor is challenged with a gas of known concentration within the operating range of the measurement.
Source	A point, line, or area from which pollution would be released
Station	A station is a data capture point used for measuring pollutants, meteorological conditions, or consolidating data.
System	The system represents all network components, including the procedures for marshalling and reporting data.
AAQC	Ambient Air Quality Criteria (Ontario)
AQI	Air Quality Index
CALMET	Meteorological pre-processor used with CALPUFF
CALPOST	Post-processor for CALPUFF model output
CALPUFF	Non-steady-state puff dispersion model
EQPM	US EPA Equivalent Method designation for particulate matter

List of Abbreviations and Terms	
EQSA	US EPA Equivalent Method designation for sulphur dioxide
NAAQS	National Ambient Air Quality Standards (South Africa)
NEM: AQA	National Environmental Management: Air Quality Act, 2004 (Act 39 of 2004)
TEOM	Tapered Element Oscillating Microbalance (continuous PM monitor)
UTM	Universal Transverse Mercator (coordinate system)
WGS84	World Geodetic System 1984 (geodetic datum)

APPENDIX B
QUALITY ASSURANCE

The SO₂ concentrations reported are determined by the United States Environmental Protection Agency (US EPA) equivalent method, EQSA-0193-092. SO₂ and TRS measurements allow a maximum precision error of 10% of the reported value. A tolerance around the zero-point of plus or minus 5 ppb is permitted. Every effort is made to minimise the error. The minimum threshold for statistical analyses is at least 80% valid data to maintain reliability and minimise bias; the South African National Accreditation Standard requires 90%. (SANAS, 2012)

Table 1: Quality Assurance

Test	Range	Action
Zero	Zero 0 to 2 ppb	Leave it as is.
	Zero value -2 to 0 ppb	Set to zero.
	Zero value -5 to -2 ppb and 2 to 5 ppb	Adjust the data set to reset all data to zero.
	Zero value outside the above limits, invalidate and recalibrate.	Data can be adjusted if a specific reason for the deviation can be identified.
Span	Span value plus or minus a 3% deviation.	Leave it as is.
	Span value -10 to -3% and 3 to 10% deviation.	Scale the data set by the opposite, corresponding percentage.
	Span value outside the above limits, invalidate and recalibrate.	Data can be adjusted if a specific reason for the deviation can be identified.

APPENDIX C
EMISSION INVENTORY*Table 1: Emission Inventory – 2025.*

Industry	Description	SO ₂ Emission 2025 (t) – Unit/Process	SO ₂ Emission 2025 (t) – Industry Total	SO ₂ Contribution (%)
Foskor	Acid Plant	2390	2401	13%
	Boiler	11		
Tongaat Hulett	Boiler	185	185	1%
Mondi	Flume 1	1417	3080	17%
	Flume 2	836		
	Power Boiler	795		
	Incinerator	8		
	Bleach Plant	24		
Mpact	Babcock	281	805	5%
	JT Boiler	524		
	Oil Burner	0		
RBM	Char Plant	468	542	3%
	Miscellaneous	34		
	MSP (Drier)	38		
	Smokers	1		
South32	FTC	1885	10561	59%
	GTC 1	1955		
	GTC 2	1680		
	GTC 3	1579		
	GTC 4	1579		
	GTC 5	1630		
	Potrooms	254		
Tronox	Tank 1	251	251	1%
Total		17825	17825	100%

Note: Tongaat Hulett shut down during the year's 1st quarter and last month.

APPENDIX D
OPERATIONAL REPORTTable 1: Maximum concentrations for PM₁₀ and PM_{2.5}.

RBCAA: Monthly Report						
PM ₁₀ daily averages						
Station	Concentration ($\mu\text{g}/\text{m}^3$)	% of the RSA Standard (75 $\mu\text{g}/\text{m}^3$)	% of WHO Guideline (45 $\mu\text{g}/\text{m}^3$)	Time	Wind Speed (m/s)	Wind Direction (°)
CBD ES1	68.0	91%	151%	2025/08/30 00:00	4.1	233
eSikhaleni	68.0	91%	151%	2025/07/11 00:00	2.2	16
Felixton ES1	69.0	92%	153%	2025/08/23 00:00	2.6	286
Richardia	76.0	101%	169%	2025/06/11 00:00	6.2	223
Scorpio ES1	149.0	199%	331%	2025/08/05 00:00	6.6	24
PM _{2.5} daily averages						
Station	Concentration ($\mu\text{g}/\text{m}^3$)	% of the RSA Standard (40 $\mu\text{g}/\text{m}^3$)	% of WHO Guideline (15 $\mu\text{g}/\text{m}^3$)	Time	Wind Speed (m/s)	Wind Direction (°)
Brackenhams ES2	81.0	203%	540%	2025/08/30 00:00	3.8	248
Felixton ES2	62.0	155%	413%	2025/08/30 00:00	3.7	239
Harbour West ES2	48.0	120%	320%	2025/08/30 00:00	3.8	229
Scorpio ES2	141.0	353%	940%	2025/08/05 00:00	6.6	24
LEGEND Yellow: = 50% of the guideline/standard Red: >= 100% of the guideline/standard (i.e. exceedance) Turquoise: = 10% of the guideline/standard						
NOTES Dates used for time intervals are the time beginning. Wind speeds of < 1 m/s are considered calm; wind directions measured under these conditions cannot be used for incident investigations. This report is an interim report regarding AIMS' quality system classification. The final data will be published in the system's monthly report.						
STATUS Meteorology Airport, Arboretum, Brackenhams, CBD, eSikhaleni, and Harbour West have meteorology. Scorpio uses meteorology from Harbour West, and Felixton uses meteorology from eSikhaleni.						
MISSING DATA "Data < 80%" - data capture less than 80% (not suitable for statistical analysis) "No Data" - no data available.						

Table 2: Maximum concentrations for SO₂.

RBCAA: Monthly Report						
SO ₂ 10-minute averages						
Station	Concentration (ppb)	% of RSA Standard & WHO Guideline (500 µg/m³ / 191 ppb)		Time	Wind Speed (m/s)	Wind Direction (°)
Arboretum	193.4	101%		2025/11/25 18:10	1.6	222
Brackenham	70.1	37%		2025/11/25 16:30	2.2	238
CBD	96.8	51%		2025/05/13 10:00	1.1	343
eSikhaleni	37.8	20%		2025/07/11 15:20	2.2	80
Felixton	43.9	23%		2025/10/20 11:30	2.6	166
Harbour West	160.9	84%		2025/07/13 12:00	3.9	26
Richardia	788.9	413%		2025/11/25 18:20	1.2	249
Scorpio	845.7	443%		2025/01/12 18:20	1.8	143
SO ₂ hourly averages						
Station	Concentration (ppb)	% of the RSA Standard (350 µg/m³ / 134 ppb)	No WHO Guideline	Time	Wind Speed (m/s)	Wind Direction (°)
Arboretum	73.3	55%	-	2025/11/25 18:00	1.3	242
Brackenham	38.4	29%	-	2025/05/13 11:00	0.7	279
CBD	70.9	53%	-	2025/05/13 10:00	0.9	-
eSikhaleni	33.4	25%	-	2025/07/11 15:00	2.4	74
Felixton	26.8	20%	-	2025/11/14 04:00	2.4	190
Harbour West	130.3	97%	-	2025/06/26 08:00	5.5	9
Richardia	500.7	374%	-	2025/11/25 18:00	1.3	242
Scorpio	401.5	300%	-	2025/01/12 21:00	0.9	161
SO ₂ daily averages						
Station	Concentration (ppb)	% of the RSA Standard (125 µg/m³ / 48 ppb)	% of WHO Guideline (40 µg/m³ / 15 ppb)	Time	Wind Speed (m/s)	Wind Direction (°)
Arboretum	6.8	14%	45%	2025/11/25 00:00	2.6	227
Brackenham	11.4	24%	76%	2025/05/11 00:00	5.0	230
CBD	22.6	47%	151%	2025/08/06 00:00	4.6	240
eSikhaleni	12.3	26%	82%	2025/07/11 00:00	2.2	16
Felixton	5.5	11%	37%	2025/07/11 00:00	2.2	47
Harbour West	40.7	85%	271%	2025/07/17 00:00	4.6	13
Richardia	33.9	71%	226%	2025/11/25 00:00	2.6	227
Scorpio	65.2	136%	435%	2025/09/16 00:00	3.5	192

Table 3: Maximum concentrations for TRS.

RBCAA: Monthly Report						
TRS 10-minute averages						
Station	Concentration (ppb)	No RSA Standard	% of MECP TRS Guideline (13.0 µg/m³ / 9.3 ppb)	Time	Wind Speed (m/s)	Wind Direction (°)
CBD	46.8	-	503%	2025/01/12 08:20	3.9	169
eSikhaleni	20.6	-	222%	2025/10/23 05:40	2.0	25
Felixton	76.3	-	820%	2025/06/01 01:50	0.8	193
Richardia	106.1	-	1141%	2025/09/06 18:40	1.0	194
TRS 30-minute averages						
Station	Concentration (ppb)	No RSA Standard	% of WHO H ₂ S Guideline (7.0 µg/m³ / 5.0 ppb)	Time	Wind Speed (m/s)	Wind Direction (°)
CBD	40.7	-	814%	2025/01/12 09:00	4.0	169
eSikhaleni	17.8	-	356%	2025/06/03 09:30	0.6	21
Felixton	65.1	-	1302%	2025/06/01 01:30	0.9	195
Richardia	60.3	-	1206%	2025/09/06 18:30	1.1	212
TRS daily averages						
Station	Concentration (ppb)	No RSA Standard	% of MECP TRS Guideline (14.0 µg/m³ / 10.1 ppb)	Time	Wind Speed (m/s)	Wind Direction (°)
CBD	10.6	-	105%	2025/01/12 00:00	3.2	181
eSikhaleni	3.8	-	38%	2025/09/15 00:00	3.3	33
Felixton	3.9	-	39%	2025/06/01 00:00	1.5	205
Richardia	3.2	-	32%	2025/10/16 00:00	3.7	207

APPENDIX E
RAINFALL*Table 1: Annual Rainfall*

Site	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Richards Bay	1834	1973	1798	1850	1540	2234	1893	2034	1630	2396
Felixton	1126	1512	1354	1261	987	1530	1288	1347	992	1590
RBCT	936	1555	1005	1317	1049	1669	1934	1740	1205	1911
South32							1336	1280	485	1427
Average	1298	1680	1386	1476	1192	1811	1613	1600	1078	1831

Table 2: Monthly Rainfall, Richards Bay

Month	Richards Bay							
	2018	2019	2020	2021	2022	2023	2024	2025
Jan	94	182	47	305	127	167	271	371
Feb	232	195	377	229	193	410	118	390
Mar	139	78	139	217	62	141	192	165
Apr	261	214	141	96	647	87	101	479
May	311	9	53	165	130	356	22	41
Jun	70	78	114	140	60	33	89	27
Jul	20	16	48	57	20	196	57	220
Aug	100	160	107	59	77	20	97	17
Sep	85	43	144	216	93	23	186	203
Oct	213	260	171	214	101	345	250	96
Nov	119	296	122	72	131	61	103	176
Dec	156	320	77	464	253	195	145	211
Minimum	20	9	47	57	20	20	22	17
Average	150	154	128	186	158	169	136	200
Maximum	311	320	377	464	647	410	271	479
Total	1798	1850	1540	2234	1893	2034	1630	2396

Table 3: Monthly Felixton

Month	Felixton							
	2018	2019	2020	2021	2022	2023	2024	2025
Jan	43	138	71	207	68	57	146	117
Feb	129	138	214	231	78	188	82	303
Mar	89	70	89	126	95	80	113	148
Apr	138	143	106	135	368	58	49	287
May	342	9	42	57	120	245	17	16
Jun	60	53	44	98	20	14	53	29
Jul	22	17	37	39	15	146	2.5	157
Aug	83	39	67	55	37	18	54	3
Sep	53	79	84	191	51	43	137	127
Oct	201	144	67	145	98	318	187	79
Nov	84	121	106	35	174	34	78	131
Dec	111	311	64	212	163	146	74	193
Minimum	22	9	37	35	15	14	3	3
Average	113	105	82	127	107	112	83	133
Maximum	342	311	214	231	368	318	187	303
Total	1354	1261	987	1530	1288	1347	992	1590

Table 4: RBCT

Month	RBCT							
	2018	2019	2020	2021	2022	2023	2024	2025
Jan	42	110	33	215	54	136	154	229
Feb	137	124	166	146	131	344	72	249
Mar	78	172	109	194	161	69	161	145
Apr	161	174	111	69	642	30	98	450
May	175	14	69	171	268	442	23	66
Jun	59	24	52	124	30	34	104	27
Jul	21	5	39	64	30	162	56	155
Aug	35	68	64	56	25	30	86	17
Sep	41	59	104	187	115	30	177	164
Oct	80	164	121	156	71	293	121	65
Nov	70	186	77	43	129	42	89	166
Dec	104	216	104	245	279	127	65	178
Minimum	21	5	33	43	25	30	23	17
Average	84	110	87	139	161	145	100	159
Maximum	175	216	166	245	642	442	177	450
Total	1005	1317	1049	1669	1934	1740	1205	1911

Table 5: South32

Month	South32 (mm)							
	2018	2019	2020	2021	2022	2023	2024	2025
Jan	-	-	-	-	-	91	120	232
Feb	-	-	-	-	115	256	-	241
Mar	-	-	-	-	149	51	144	137
Apr	-	-	-	-	505	43	-	363
May	-	-	-	-	106	230	-	23
Jun	-	-	-	-	25	11	-	16
Jul	-	-	-	-	12	165	-	98
Aug	-	-	-	-	30	13	-	8
Sep	-	-	-	-	64	18	129	35
Oct	-	-	-	-	64	271	-	30
Nov	-	-	-	-	101	36	-	112
Dec	-	-	-	-	163	95	92	132
Minimum	-	-	-	-	12	11	92	8
Average	-	-	-	-	121	107	121	119
Maximum	-	-	-	-	505	271	144	363
Total	-	-	-	-	1336	1280	485	1427

Please note that the South32 missing rain data for 2024 was due to a faulty rain gauge.

**APPENDIX F
COMPLAINTS LOG***Table 1: Complaints*

Note: Response ID(s) in Table 1 refer to the corresponding entry/s in Table 2.

No	Date	Region	Type	Source	Description	Response ID(s)
	January 2025					
1	2025/01/06 19:15	Veldenvlei Ext	Odour	Mondi	"pungent odour".	232
2	2025/01/14 12:11	CBD	Visible	Foskor	Abnormal emissions from C-Stack.	236
3	2025/01/16 11:00	Vicinity of Foskor	Clinical + visible	Foskor	John Ross traffic light at Foskor. Complainant reported a gas cloud at the intersection emanating from Foskor. Had to close vehicle windows. Complainant alleges that they witnessed people running out of Foskor, who then informed the complainant that there was a fire and a gas leak. This complaint was received by the RBCAA today, Monday 20th January.	234
4	2025/01/16 12:11	Vicinity of Foskor	Visible	Foskor	"Big white cloud at the bridge."	237
5	2025/01/16 12:43	Vicinity of Foskor	Odour	Foskor	"pungent odour". Complainant reported that they had been informed that individuals onsite at Foskor were purchasing respirators.	235
6	2025/01/16 12:58	Vicinity of Foskor	Visible	Foskor	"low hanging cloud over Foskor"	235
7	2025/01/17 09:17	Alton	Clinical + Odour	Chemalum	Noxious odour and emissions emanating from the CHEMALUM facility in Alton. Causes headache and chest to close up.	233, 247, 249
8	2025/01/21 17:03	Veldenvlei	Clinical + Odour	Mondi	"Very strong cat pee smell." Causing sinus and headache.	238
	February 2025					
1	2025/02/02 20:53	Wildenweide	Odour	Mondi	Strong Mondi odour.	240
2	2025/02/03 23:04	Arboretum Ext	Odour	Mondi	"Strong Burnt Match" type of odour, which had dissipated by 23h37.	239, 243, 1
3	2025/02/05 12:44	Vicinity of Foskor	Visible	Foskor	"Excessive emissions emanating from the Foskor stack" (Complainant stated on a social media group that it is SO ₃ . The complainant has not yet logged an official complaint with the RBCAA)	241
4	2025/02/13 17:27	Unknown	Odour	Mondi	Strong Mondi odour.	244
5	2025/02/16 06:30	Meerensee	Clinical + Odour	Mondi - RBCAA Allocation	Strong odour causing skin irritation (rash and itch). Complainant described odour as "sulphur gas".	242, 245, 248, 300
6	2025/02/18 19:07	Veldenvlei	Odour	Mondi	"Guava odour"	246
7	2025/02/24 21:12	Veldenvlei	Odour	Mondi	"Very strong cat urine smell."	250
8	2025/02/24 21:46	Birdswood	Odour	Mondi	"Very strong cat urine smell."	250
9	2025/02/24 21:54	Birdswood	Odour	Mondi	"Very strong odour." (this was a complaint I received directly from a complainant).	250

No	Date	Region	Type	Source	Description	Response ID(s)
10	2025/02/27 06:07	Veldenvlei	Clinical + Odour	Mondi	"Strong Mondi smell again, whole house smells of it and sinuses affected."	255
11	2025/02/27 16:09	Alton	Sulphur Spillage	Grindrod	Significant sulphur spillage along Geleier Gang in Alton. Complainant reported observing trucks carrying sulphur entering Grindrod's Seamunye facility, and that trucks were not correctly tarped.	257, 266
12	2025/02/27 22:48	Veldenvlei	Odour	Mondi	Mondi odour . "Same smell as this morning"	256
13	2025/02/28 00:00	Empangeni	Clinical + visible	CoU	occurs on southerly winds, Fumes emanating from fibre glassing activities taking place in the neighbouring premises previously occupied by AMS, affecting employees at HAIGS. Complainant reported that there is currently no identifiable signage but that the business in question manufactures jet-skis. The complainant further reported that the business in question has attempted to implement mitigation measures but unsuccessfully. This complaint will be forwarded to the Authorities.	252
March 2025						
1	2025/03/02 21:35	Veldenvlei	Clinical + Odour	Mondi	Strong "cat urine" odour.	254
2	2025/03/04 21:35	Alton	Sulphur Spillage	Grindrod	"Major sulphur spillage Kraft Link intersection" (Reported via Alton WhatsApp Group)	253
3	2025/03/10 00:00	Mtunzini	Dust & fallout + Clinical	Tronox	10 March and prior, Red dust from Tronox, "over the past almost year there is a major problem with red dust from our neighbour Tronox. As residents our white linen is red brown, cars covered daily ongoing wind or no wind, in red sand, outdoor furniture has to be washed before use daily. Coughing and wheezing and sinus issues are ongoing."	258, 278
4	2025/03/10 00:00	Mtunzini	Dust & fallout + Clinical	Tronox	"Severe dust in house and swimming pool from Tronox Mine . Severe coughing with all the dust. This is totally unacceptable; It's a health risk."	260, 278
5	2025/03/10 00:00	Mtunzini	Dust & fallout	Tronox	"Continual sand in my property. Cars, house and pool covered in sand."	260, 278
6	2025/03/10 13:00	Vicinity of Tronox	Dust & fallout	Tronox	Clouds of red dust emanating from the Tronox site.	258, 278
7	2025/03/10 15:51	Alton North	Dust & fallout	Tronox	Land cleared by IDZ is causing major dust problems in Alton North. (photos attached)	259, 278
8	2025/03/10 16:30	Mtunzini	Dust & fallout + Clinical	Tronox	"Thick red dust in the air. Driving you can hear the sand hit the car. Getting out eyes fill up with dust. I have asthma which flared up."	258, 278
9	2025/03/10 17:30	Mtunzini	Dust & fallout + Clinical	Tronox	"Red dust from Tronox mine causing itchy eyes and sneezing. Domestic left my house spotless at 16h40 and an hour later the house, car and pool were covered in red dust."	258, 278
10	2025/03/10 17:30	Mtunzini	Dust & fallout + Clinical	Tronox	"Red dust everywhere. Daughter's allergies have worsened, and they have a cough and tight chest for no reason. Wife's asthma is much worse, and she gets chest infections more often."	258, 278
11	2025/03/10 17:45	Mtunzini	Dust & fallout + Clinical	Tronox	"Red dust from Tronox mine. It is very bad this time. I cleaned my pool yesterday."	258, 278
12	2025/03/11 07:27	Mtunzini	Dust & fallout	Tronox	Red dust from Tronox mine. Complaints fall on deaf ears.	258, 278
13	2025/03/11 08:00	Mtunzini	Dust & fallout + Clinical	Tronox	Red dust from Tronox mine affecting health and causing sinus problems.	258, 278

No	Date	Region	Type	Source	Description	Response ID(s)
14	2025/03/11 08:26	Mtunzini	Dust & fallout	Tronox	"Covered in red dust, the entire home internal and external. This situation was predicted on the weather app 7 days ago, yet Tronox blundered on without being proactive at all."	258, 278
15	2025/03/11 10:26	Mtunzini	Dust & fallout	Tronox	"As per photo Dust everywhere especially on our front entrance. This a regular occurrence when the South Wester Blows !!! "	258, 278
16	2025/03/11 10:26	Mtunzini	Dust & fallout	Tronox	"As per photo Dust everywhere especially on our front entrance. This a regular occurrence when the South Wester Blows !!! "	258, 278
17	2025/03/11 11:04	Mtunzini	Dust & fallout + Clinical	Tronox	"We are writing to you as concerned Mtunzini residents from Waterbessie that are negatively impacted by the dust that is constantly blown over from the opencast operations adjacent to the village and more especially over our street. We hope by doing this that there will be a way to stop this dust affecting our health before we end up having bigger health threats as we now only show the bare minimum of symptoms like coughing and sneezing, vomiting. Please note: " Dust pollution, especially fine particulate matter (PM _{2.5} and PM ₁₀), can significantly impact health, causing respiratory problems, cardiovascular issues, and potentially increasing the risk of lung cancer and other diseases. Our family's medical history over the previous 2 years will demonstrate the impact that this dust has on our health as a young family, as will the constant coughing, sneezing, vomiting, and doctor visits."	258, 278
18	2025/03/11 11:04	Mtunzini	Dust & fallout + Clinical	Tronox	"We are writing to you as concerned Mtunzini residents from Waterbessie that are negatively impacted by the dust that is constantly blown over from the opencast operations adjacent to the village and more especially over our street. We hope by doing this that there will be a way to stop this dust affecting our health before we end up having bigger health threats as we now only show the bare minimum of symptoms like coughing and sneezing, vomiting. Please note: " Dust pollution, especially fine particulate matter (PM _{2.5} and PM ₁₀), can significantly impact health, causing respiratory problems, cardiovascular issues, and potentially increasing the risk of lung cancer and other diseases. Our family's medical history over the previous 2 years will demonstrate the impact that this dust has on our health as a young family, as will the constant coughing, sneezing, vomiting, and doctor visits."	258, 278
19	2025/03/11 11:04	Mtunzini	Dust & fallout + Clinical	Tronox	"We are writing to you as concerned Mtunzini residents from Waterbessie that are negatively impacted by the dust that is constantly blown over from the opencast operations adjacent to the village and more especially over our street. We hope by doing this that there will be a way to stop this dust affecting our health before we end up having bigger health threats as we now only show the bare minimum of symptoms like coughing and sneezing, vomiting. Please note: " Dust pollution, especially fine particulate matter (PM _{2.5} and PM ₁₀), can significantly impact health, causing respiratory problems, cardiovascular issues, and potentially increasing the risk of lung cancer and other diseases. Our family's medical history over the previous 2 years will demonstrate the impact that this dust has on our health as a young family, as will the constant coughing, sneezing, vomiting, and doctor visits."	1, 259
20	2025/03/11 23:02	Veldenvlei	Odour	Mondi	Very strong smell in Veldenvlei. Entire flat smells even with fans on full."	263
21	2025/03/12 00:00	Veldenvlei	Clinical + Odour	Mondi	during the night, "I woke up from that smell during the night and have a bad headache this morning."	263
22	2025/03/12 04:35	Veldenvlei	Odour	Mondi	"Smell is still overwhelming"	263

No	Date	Region	Type	Source	Description	Response ID(s)
23	2025/03/12 05:30	Veldenvlei	Clinical + Odour	Mondi	"Nauseating guava odour."	263
24	2025/03/12 05:36	Veldenvlei	Odour	Mondi	"Bad smell since last night."	263
25	2025/03/12 06:18	Veldenvlei	Odour	Mondi	"Strong odour in Veldenvlei this morning."	263
26	2025/03/12 06:18	Veldenvlei	Odour	Mondi	"terribly strong smell this morning. Smells like Mondi. So bad it woke me up."	263
27	2025/03/12 06:30	Veldenvlei	Clinical + Odour	Mondi	Bad smell causing burning nose.	263
28	2025/03/12 07:00	Veldenvlei	Clinical + Odour	Mondi	" bad smell in Veldenvlei causing bad migraine."	263
29	2025/03/12 07:00	Veldenvlei	Clinical + Odour	Mondi	"Pungent Mondi odour causing nausea and headache."	263
30	2025/03/12 14:04	Alton	Dust & fallout + Clinical	NIDA	Excessive dust emanating from the adjacent NIDA facility, impacting on owners building, customer vehicles and employee health. "My employee's eyes are badly affected, and we suffered with blocked sinuses." Complainant highlighted that this issue has been ongoing for years with no mitigation measures implemented by NIDA despite ongoing complaints from neighbouring businesses.	261
31	2025/03/12 17:00	Richards Bay	Noise	Foskor	From around 17h00 residents of Arboretum, Veldenvlei and Wildenweide started reporting on social media their extreme concern regarding loud abnormal noises. Residents of Arboretum Extension confirmed that it was emanating from the Foskor facility. Residents described it as sounding as if the facility was about to explode, another saying that in their 35 years of living in Arboretum extension they had never experienced anything like this. In Veldenvlei the rumbling was heard earlier and sounded like thunder.	262, 265
32	2025/03/12 17:00	Richards Bay	Noise	Foskor	From around 17h00 residents of Arboretum, Veldenvlei and Wildenweide started reporting on social media their extreme concern regarding loud abnormal noises. Residents of Arboretum Extension confirmed that it was emanating from the Foskor facility. Residents described it as sounding as if the facility was about to explode, another saying that in their 35 years of living in Arboretum extension they had never experienced anything like this. In Veldenvlei the rumbling was heard earlier and sounded like thunder.	262, 265
33	2025/03/12 17:00	Richards Bay	Noise	Foskor	From around 17h00 residents of Arboretum, Veldenvlei and Wildenweide started reporting on social media their extreme concern regarding loud abnormal noises. Residents of Arboretum Extension confirmed that it was emanating from the Foskor facility. Residents described it as sounding as if the facility was about to explode, another saying that in their 35 years of living in Arboretum extension they had never experienced anything like this. In Veldenvlei the rumbling was heard earlier and sounded like thunder.	262, 265
34	2025/03/12 17:00	Richards Bay	Noise	Foskor	From around 17h00 residents of Arboretum, Veldenvlei and Wildenweide started reporting on social media their extreme concern regarding loud abnormal noises. Residents of Arboretum Extension confirmed that it was emanating from the Foskor facility. Residents described it as sounding as if the facility was about to explode, another saying that in their 35 years of living in Arboretum extension they had never experienced anything like this. In Veldenvlei the rumbling was heard earlier and sounded like thunder.	262, 265
35	2025/03/12 17:00	Richards Bay	Noise	Foskor	From around 17h00 residents of Arboretum, Veldenvlei and Wildenweide started reporting on social media their extreme concern regarding loud abnormal noises. Residents of Arboretum Extension confirmed that it was emanating from the	262, 265

No	Date	Region	Type	Source	Description	Response ID(s)
					Foskor facility. Residents described it as sounding as if the facility was about to explode, another saying that in their 35 years of living in Arboretum extension they had never experienced anything like this. In Veldenvlei the rumbling was heard earlier and sounded like thunder.	
36	2025/03/12 17:00	Richards Bay	Noise	Foskor	From around 17h00 residents of Arboretum, Veldenvlei and Wildenweide started reporting on social media their extreme concern regarding loud abnormal noises. Residents of Arboretum Extension confirmed that it was emanating from the Foskor facility. Residents described it as sounding as if the facility was about to explode, another saying that in their 35 years of living in Arboretum extension they had never experienced anything like this. In Veldenvlei the rumbling was heard earlier and sounded like thunder.	262, 265
37	2025/03/12 17:00	Richards Bay	Noise	Foskor	From around 17h00 residents of Arboretum, Veldenvlei and Wildenweide started reporting on social media their extreme concern regarding loud abnormal noises. Residents of Arboretum Extension confirmed that it was emanating from the Foskor facility. Residents described it as sounding as if the facility was about to explode, another saying that in their 35 years of living in Arboretum extension they had never experienced anything like this. In Veldenvlei the rumbling was heard earlier and sounded like thunder.	262, 265
38	2025/03/12 17:00	Richards Bay	Noise	Foskor	From around 17h00 residents of Arboretum, Veldenvlei and Wildenweide started reporting on social media their extreme concern regarding loud abnormal noises. Residents of Arboretum Extension confirmed that it was emanating from the Foskor facility. Residents described it as sounding as if the facility was about to explode, another saying that in their 35 years of living in Arboretum extension they had never experienced anything like this. In Veldenvlei the rumbling was heard earlier and sounded like thunder.	262, 265
39	2025/03/12 17:00	Richards Bay	Noise	Foskor	From around 17h00 residents of Arboretum, Veldenvlei and Wildenweide started reporting on social media their extreme concern regarding loud abnormal noises. Residents of Arboretum Extension confirmed that it was emanating from the Foskor facility. Residents described it as sounding as if the facility was about to explode, another saying that in their 35 years of living in Arboretum extension they had never experienced anything like this. In Veldenvlei the rumbling was heard earlier and sounded like thunder.	262, 265
40	2025/03/14 06:00	Brackenham	Odour	Mondi	(Complaint received at 07h22), "Very strong H ₂ S odour from 06h00, much stronger now on way to Veldenvlei. Throat irritation."	264
41	2025/03/14 07:00	Brackenham	Clinical + Odour	Mondi	"Bad odour in Brackenham. Smells like Mond. Affecting my asthma and throat."	264
42	2025/03/14 07:30	Brackenham	Clinical + Odour	Mondi	"This morning 14th March after dropping of my grandchild at school and i was on my way home { 7.30 am) when i reached home and got off my car there was a bad chemical smell in the air. It was very bad and my throat was tightening. My daughter experienced the same (smell) and her chest was tight. (She lives in Frondosa Brackenham) Her cupboard is smelling and their clothes.	264
43	2025/03/14 07:30	Brackenham	Clinical + Odour	Mondi	"This morning 14th March after dropping of my grandchild at school and i was on my way home { 7.30 am) when i reached home and got off my car there was a bad chemical smell in the air. It was very bad and my throat was tightening. My daughter experienced the same (smell) and her chest was tight. (She lives in Frondosa Brackenham) Her cupboard is smelling and their clothes.	264
44	2025/03/14 11:30	Brackenham	Odour	Mondi	Mondi odour still present. "Mondi should be shut down".	264
April 2025						

No	Date	Region	Type	Source	Description	Response ID(s)
1	2025/04/14 00:00	Meerensee	Clinical + Odour	Mondi	Terrible chemical smell, so bad I woke up and became nauseous following by a headache. (Early hours)	267
2	2025/04/14 00:00	Arboretum	Clinical + Odour	Mondi	Odour causing headache affecting breathing (early hours)	267
3	2025/04/14 00:00	Meerensee	Clinical + Odour	Mondi	Very bad gas like odour. Sinus and headache. (Early hours)	267
4	2025/04/14 00:00	Birdswood	Clinical + Odour	Mondi	The smell is disgusting. I have had to nebulise twice this morning. Can hardly breathe. (Early hours)	267
5	2025/04/14 00:00	Meerensee	Clinical + Odour	Mondi	Chemical smell. Bad headaches, burning airways and burning chests. (Early Hours)	267
6	2025/04/14 03:00	Arboretum	Clinical + Odour	Mondi	Horrible strong smell causing headache and nausea.	267
7	2025/04/14 04:00	Arboretum	Clinical + Odour	Mondi	Chemical smell. Coughing, burning and puffy eyes.	267
8	2025/04/14 04:00	Meerensee	Clinical + Odour	Mondi	Very strong Mondi odour. Nauseous.	267
9	2025/04/14 04:00	Arboretum Ext	Clinical + Odour	Mondi	Very gassy smell. Had to use my asthma pump for breathing.	267
10	2025/04/14 04:00	Birdswood	Clinical + Odour	Mondi	Sulphuric odour. Woke at 4am with a burning throat, eyes and lungs and headache.	267
11	2025/04/14 04:05	Arboretum	Clinical + Odour	Mondi	Chemical smell. Smells like cat pee. Tight heavy chest and coughing	267
12	2025/04/14 04:30	Veldenvlei	Clinical + Odour	Mondi	Extreme odour of ammonia woke us from sleep, causing nausea, vomiting child, burning eyes, battling to breathe and severe headaches.	267
13	2025/04/14 04:30	Veldenvlei	Clinical + Odour	Mondi	I woke up this morning with an asthma attack and swollen eyes. I am 75 years old and this is causing further damage to my lungs. Will Mondi or whoever pay if I am hospitalized?	267
14	2025/04/14 04:30	Meerensee	Clinical + Odour	Mondi	Strong chemical odour. Sinusitis and headache	267
15	2025/04/14 04:30	Meerensee	Clinical + Odour	Mondi	Very bad smell. Almost like ammonia. Headache	267
16	2025/04/14 04:30	Meerensee	Odour	Mondi	Terrible cat pee smell	267
17	2025/04/14 04:30	Meerensee	Odour	Mondi	Very strong odour, nuisance no symptoms. (4h30 – 07h00)	267
18	2025/04/14 04:34	Meerensee	Clinical + Odour	Mondi	Very funky chemical smell that woke me up. Chest closing.	267
19	2025/04/14 04:35	Meerensee	Clinical + Odour	Mondi	Terrible cat urine smell in the air. Coughing and burning throat. About to vomit	267
20	2025/04/14 04:39	Arboretum	Clinical + Odour	Mondi	Chemical smell like cat urine/ onion causing headache and breathing difficulties	267
21	2025/04/14 04:45	Meerensee	Clinical + Odour	Mondi	Terrible gas rotten ammonia smell came into our house at 04h45 this morning. It was so terrible that I closed windows and doors and the smell still came through. I suffer with asthma and my fiancé has terrible sinus problems. We both started our day with an awful headache, nausea and dizzy.	267
22	2025/04/14 04:45	Arboretum Ext	Clinical + Odour	Mondi	Bad cat urine odour. Sneezing, sore throat, tight burning chest, burning nose and nauseous.	267
23	2025/04/14 04:45	Meerensee	Clinical + Odour	Mondi	Chemical cat urine smell. Nausea, tight chest and burning eyes.	267

No	Date	Region	Type	Source	Description	Response ID(s)
24	2025/04/14 04:45	Meerensee	Clinical + Odour	Mondi	Foul cat urine smell in the air. Sneezing. Difficult to breathe. Burns when inhaling.	267
25	2025/04/14 04:50	Meerensee	Clinical + Odour	Mondi	I woke up from the toxic smell. Burning throat and lungs and the smell was unbearable.	267
26	2025/04/14 04:50	Meerensee	Clinical + Odour	Mondi	Very strong ammonia smell causing nausea	267
27	2025/04/14 04:50	Meerensee	Clinical + Odour	Mondi	Chemical cat pee smell. Headache and nausea	267
28	2025/04/14 04:50	Meerensee	Clinical + Odour	Mondi	Extremely bad ammonia (cat urine) smell. Headache and sore throat	267
29	2025/04/14 04:50	Arboretum	Clinical + Odour	Mondi	Hideous smell in the air. Nausea and tight chest.	267
30	2025/04/14 04:50	Meerensee	Clinical + Odour	Mondi	Chemical cat urine smell. Runny nose and headache	267
31	2025/04/14 04:55	Birdswood	Clinical + Odour	Mondi	Bad chemical odour causing nausea, eye irritation and headache	267
32	2025/04/14 04:56	Meerensee	Odour	Mondi	Sudden heavy onset of a very strong rotten egg\cat pee smell	267
33	2025/04/14 05:00	Arboretum Ext	Clinical + Odour	Mondi	Plasticky or very strong chemical smell causing headache, and could not breathe	267
34	2025/04/14 05:00	Meerensee	Clinical + Odour	Mondi	Chemical smell causing nausea and headache	267
35	2025/04/14 05:00	Meerensee	Odour	Mondi	Chemical smell	267
36	2025/04/14 05:00	Meerensee	Odour	Mondi	The air smells like cat pee, chemical smell	267
37	2025/04/14 05:00	Meerensee	Clinical + Odour	Mondi	Very bad smell in the air. It is so bad, I've got a bad headache and feel nauseous	267
38	2025/04/14 05:00	Arboretum Ext	Odour	Mondi	Terrible cat wee odour.	267
39	2025/04/14 05:00	Meerensee	Clinical + Odour	Mondi	Gas smell. Very nauseating, almost too afraid to breathe. All doors and windows shut. Burning itchy eyes	267
40	2025/04/14 05:00	Veldenvlei	Clinical + Odour	Mondi	Bad odour. Smells like onion. Burning sinuses.	267
41	2025/04/14 05:00	Veldenvlei	Clinical + Odour	Mondi	Bad chemical smell. Headache	267
42	2025/04/14 05:00	Meerensee	Clinical + Odour	Mondi	Bad smell in the air that woke me up this morning. Caused headache and light headedness.	267
43	2025/04/14 05:00	Arboretum	Clinical + Odour	Mondi	Bad urine acid smell woke both me and my family. We all have bad headache, watery eyes and my son has burning sinuses	267
44	2025/04/14 05:00	Meerensee	Clinical + Odour	Mondi	Terrible ammonia smell in my house. Burning nose.	267
45	2025/04/14 05:00	Arboretum	Clinical + Odour	Mondi	Extremely strong cat urine smell. Headache, burning throat, eyes and nose. Tight chest. Difficulty breathing. Headache.	267
46	2025/04/14 05:00	Meerensee	Clinical + Odour	Mondi	Very bad smell. Headache and closed chest.	267
47	2025/04/14 05:00	Meerensee	Odour	Mondi	Very strong cat urine smell	267

No	Date	Region	Type	Source	Description	Response ID(s)
48	2025/04/14 05:00	Veldenvlei	Clinical + Odour	Mondi	Strong cat urine smell. Irritating sinuses.	267
49	2025/04/14 05:00	Arboretum	Clinical + Odour	Mondi	Terrible smell in the air. Having terrible headache	267
50	2025/04/14 05:00	Birdswood	Odour	Mondi	Bad pungent odour.	267
51	2025/04/14 05:00	Meerensee	Clinical + Odour	Mondi	Very bad smell in the air, similar to cat urine. Throat burning and sinuses extremely bad	267
52	2025/04/14 05:00	Meerensee	Clinical + Odour	Mondi	Terrible ammonia smell in my house. Burning nose	267
53	2025/04/14 05:00	Arboretum	Clinical + Odour	Mondi	Bad air. Rotten onion smell. Blocked nose and headache	267
54	2025/04/14 05:00	Birdswood	Clinical + Odour	Mondi	Terrible smell. Sore throat, tight chest and headaches	267
55	2025/04/14 05:00	Meerensee	Clinical + Odour	Mondi	Particularly strong odour (Catwee / guava) nausea. (05h00-06h30)Undetectable by 08h00.	267
56	2025/04/14 05:00	Meerensee	Clinical + Odour	Mondi	Terrible rotten smell in the air. Stuffy nose.	267
57	2025/04/14 05:00	Meerensee	Odour	Mondi	Pungent chemical odour.	267
58	2025/04/14 05:00	Arboretum	Odour	Mondi	Very bad cat urine smell	267
59	2025/04/14 05:00	Arboretum	Clinical + Odour	Mondi	Gas smell mixed with something else. Coughing, sinus and headache.	267
60	2025/04/14 05:00	Meerensee	Clinical + Odour	Mondi	Chemical gas smell. Leaves a funny taste in your mouth. Headache and nausea	267
61	2025/04/14 05:00	Arboretum	Odour	Mondi	Bad cat urine odour	267
62	2025/04/14 05:00	Arboretum	Odour	Mondi	Foul musty smell.	267
63	2025/04/14 05:00	Meerensee	Odour	Mondi	Chemical smell. Like cat urine but much stronger	267
64	2025/04/14 05:00	Arboretum	Odour	Mondi	Nasty chemical smell	267
65	2025/04/14 05:10	Meerensee	Clinical + Odour	Mondi	Chemical cat urine smell. Headache	267
66	2025/04/14 05:15	Meerensee	Odour	Mondi	Chemical smell	267
67	2025/04/14 05:15	Meerensee	Odour	Mondi	Rotten egg smell	267
68	2025/04/14 05:15	Meerensee	Clinical + Odour	Mondi	This feels like serious poison in the air. Eyes and chest burning.	267
69	2025/04/14 05:15	Meerensee	Clinical + Odour	Mondi	Chemical cat urine smell. Cough and closed chest	267
70	2025/04/14 05:15	Meerensee	Odour	Mondi	Bad chemical smell like cat pee	267
71	2025/04/14 05:15	Veldenvlei	Clinical + Odour	Mondi	Woke with unexplained extreme nausea and headache. Burning eyes. Pungent Mondri odour.	267

No	Date	Region	Type	Source	Description	Response ID(s)
72	2025/04/14 05:16	Arboretum	Clinical + Odour	Mondi	Sulphur smell. Burns sinuses	267
73	2025/04/14 05:18	Richards Bay	Clinical + Odour	Mondi	The air outside smells so bad. Woke me. Sinus and headache	267
74	2025/04/14 05:20	Meerensee	Clinical + Odour	Mondi	Chemical smell causing headache	267
75	2025/04/14 05:20	Arboretum	Clinical + Odour	Mondi	Chemical smell causing headache.	267
76	2025/04/14 05:23	Arboretum	Clinical + Odour	Mondi	Chemical smell. Can hardly breathe	267
77	2025/04/14 05:26	Arboretum	Clinical + Odour	Mondi	Chemical smell. Coughing and tight chest	267
78	2025/04/14 05:27	Arboretum	Clinical + Odour	Mondi	Very bad chemical smell like cat urine. Sinus and nausea	267
79	2025/04/14 05:30	Arboretum	Clinical + Odour	Mondi	Terrible sickening odour in the air causing nausea	267
80	2025/04/14 05:30	Veldenvlei	Odour	Mondi	Rotten egg smell. Had to shut window to avoid breathing in.	267
81	2025/04/14 05:30	Arboretum	Odour	Mondi	Woke up and room was smelling of a very strong chemicalised onion smell.	267
82	2025/04/14 05:30	Birdswood	Clinical + Odour	Mondi	The air in Birdswood this morning smells putrid. It is so strong no one in my house of 6 people can breathe or catch their breath. Coughing, burning nose and throats, watery eyes and feeling short of breath, like we can't breathe.	267
83	2025/04/14 05:30	Meerensee	Clinical + Odour	Mondi	Very bad gas smell. Woke up with a very tight chest and extreme headache. Forced to nebulise.	267
84	2025/04/14 05:30	Meerensee	Clinical + Odour	Mondi	We were greeted this morning with the horrible smell like cat pee. Its really very bad. Nauseating and very unpleasant.	267
85	2025/04/14 05:30	Meerensee	Clinical + Odour	Mondi	Terrible smell. Impossible to breathe.	267
86	2025/04/14 05:30	Arboretum	Clinical + Odour	Mondi	Woke up to a foul smell. Headache	267
87	2025/04/14 05:30	Meerensee	Clinical + Odour	Mondi	Bad odour. Burning throat, irritated eyes, bad sinus and headache	267
88	2025/04/14 05:30	Meerensee	Clinical + Odour	Mondi	Bad odour. I have asthma - coughing badly right now.	267
89	2025/04/14 05:30	Birdswood	Odour	Mondi	Bad smell	267
90	2025/04/14 05:30	Arboretum	Odour	Mondi	Really bad cat pee smell	267
91	2025/04/14 05:31	Meerensee	Odour	Mondi	Terrible smell	267
92	2025/04/14 05:32	Meerensee	Clinical + Odour	Mondi	Terrible gas smell. Not good for my lungs	267
93	2025/04/14 05:32	Meerensee	Odour	Mondi	Very strong odour. (04:30 to 07:00)	267
94	2025/04/14 05:32	Arboretum	Clinical + Odour	Mondi	Woke this morning to an unpleasant smell. Smells like cat urine. Burning eyes, nose and throat.	267
95	2025/04/14 05:36	Arboretum	Clinical + Odour	Mondi	Foul smell in the air. Affecting sinuses	267

No	Date	Region	Type	Source	Description	Response ID(s)
96	2025/04/14 05:40	Arboretum	Clinical + Odour	Mondi	This morning we woke up with a very bad smell. It smelled like cat pee, but hectically bad. Have a huge headache that no panado or Nurofen can take away and just not feeling well.	267
97	2025/04/14 05:40	Meerensee	Clinical + Odour	Mondi	Burning odour. Extreme burning of nose, throat and eyes	267
98	2025/04/14 05:40	Arboretum Ext	Clinical + Odour	Mondi	Terrible rotten onion type smell in the air. Burning eyes and Nausea	267
99	2025/04/14 05:40	Alton	Odour	Mondi	Very strong cat pee smell.	267
100	2025/04/14 05:40	Meerensee	Clinical + Odour	Mondi	Chemical smell. 8 months pregnant and smell is causing nausea	267
101	2025/04/14 05:40	Meerensee	Clinical + Odour	Mondi	Terrible ammonia smell. Eyes burning, sneezing, coughing and a massive headache	267
102	2025/04/14 05:40	Birdswood	Odour	Mondi	Rotten smell in the air	267
103	2025/04/14 05:41	Meerensee	Clinical + Odour	Mondi	Chemical smell. Terrible headache	267
104	2025/04/14 05:42	Arboretum	Clinical + Odour	Mondi	I woke up gasping to breathe from the terrible stink. Gassy cat urine odour mixed with other chemicals. My sinuses that I have spent months and money to get right are back. Nausea, Sore throat and blocked nose	267
105	2025/04/14 05:43	Meerensee	Clinical + Odour	Mondi	Chemical smell. Irritated airways.	267
106	2025/04/14 05:43	Veldenvlei	Odour	Mondi	Terrible sulphur guava smell	267
107	2025/04/14 05:44	Alton	Clinical + Odour	Mondi	Smell of gas. Can't breathe properly	267
108	2025/04/14 05:44	Arboretum	Odour	Mondi	Rotten egg smell	267
109	2025/04/14 05:45	Birdswood	Clinical + Odour	Mondi	Bad smell in the air. So bad that you cannot breathe. Nausea, headache and battle to breathe.	267
110	2025/04/14 05:48	Arboretum	Clinical + Odour	Mondi	Chemical smell causing burning nose and asthma	267
111	2025/04/14 05:48	Veldenvlei	Clinical + Odour	Mondi	Very strong cat pee smell. Difficulty breathing. Sinuses affected.	267
112	2025/04/14 05:49	Meerensee	Clinical + Odour	Mondi	Chemical smell. Bad cough and closed chest	267
113	2025/04/14 05:52	Meerensee	Clinical + Odour	Mondi	Extremely bad odour. Sour onion smell. Burning nose and nausea	267
114	2025/04/14 05:52	Arboretum	Clinical + Odour	Mondi	Rotten egg smell. Headache, burning throat	267
115	2025/04/14 05:53	Arboretum	Clinical + Odour	Mondi	Unbearable chemical smell. Coughing	267
116	2025/04/14 05:56	Meerensee	Odour	Mondi	Strong cat urine smell	267
117	2025/04/14 05:56	Meerensee	Odour	Mondi	Chemical smell	267
118	2025/04/14 05:59	Birdswood	Clinical + Odour	Mondi	Very bad smell causing irritation due to asthma	267

No	Date	Region	Type	Source	Description	Response ID(s)
119	2025/04/14 06:00	Birdswood	Odour	Mondi	Cat urine smell in the air	267
120	2025/04/14 06:00	Birdswood	Clinical + Odour	Mondi	Terrible smell. Burning nose.	267
121	2025/04/14 06:00	Birdswood	Clinical + Odour	Mondi	Awful smell in the air. Asthmatic making my breathing even more difficult	267
122	2025/04/14 06:00	Veldenvlei	Clinical + Odour	Mondi	Strong smell. Nose burning.	267
123	2025/04/14 06:00	Arboretum	Clinical + Odour	Mondi	Bad urine type smell in the air causing headache, chest pain.	267
124	2025/04/14 06:00	Birdswood	Odour	Mondi	Chemical cat urine smell	267
125	2025/04/14 06:00	Meerensee	Clinical + Odour	Mondi	Terrible sweet gas smell. Headache	267
126	2025/04/14 06:07	Meerensee	Clinical + Odour	Mondi	Chemical odour. Burning eyes, Nose and Headache	267
127	2025/04/14 06:10	Meerensee	Clinical + Odour	Mondi	Terrible chemical smell. Nausea and headache.	267
128	2025/04/14 06:13	Meerensee	Clinical + Odour	Mondi	Cat urine smell. My eyes are on fire and my chest is tight.	267
129	2025/04/14 06:13	Birdswood	Clinical + Odour	Mondi	Rotten guava smell. Sneezing and coughing	267
130	2025/04/14 06:14	Wildenweide	Clinical + Odour	Mondi	Bad cat urine smell. Eyes burning, struggling to breath	267
131	2025/04/14 06:15	Meerensee	Clinical + Odour	Mondi	Terrible smell. Headache, dizziness, cough, sneezing	267
132	2025/04/14 06:18	Veldenvlei	Odour	Mondi	Sharp guava odour in Veldenvlei	267
133	2025/04/14 06:19	Meerensee	Clinical + Odour	Mondi	String gas smell in the air. Difficult to breathe. Lungs and eyes burning.	267
134	2025/04/14 06:20	Meerensee	Odour	Mondi	Chemical smell	267
135	2025/04/14 06:21	Meerensee	Odour	Mondi	Terrible smell. Cat pee with a chemical quality	267
136	2025/04/14 06:23	Meerensee	Clinical + Odour	Mondi	Awful cat pee smell. Woke up with headache	267
137	2025/04/14 06:27	Birdswood	Clinical + Odour	Mondi	The smell is very bad in Birdswood. Sore eyes and causing a headache since I got up this morning.	267
138	2025/04/14 06:27	Meerensee	Clinical + Odour	Mondi	Terrible smell. Headache.	267
139	2025/04/14 06:27	Meerensee	Clinical + Odour	Mondi	Really rotten smell in the air. Burning nose.	267
140	2025/04/14 06:27	Arboretum	Clinical + Odour	Mondi	Bad cat urine odour causing burning throat	267
141	2025/04/14 06:30	Arboretum	Odour	Mondi	Terrible acidic smell	267
142	2025/04/14 06:30	Birdswood	Clinical + Odour	Mondi	Smell was unbearable when I woke this morning. Strong cat pee smell.	267

No	Date	Region	Type	Source	Description	Response ID(s)
143	2025/04/14 06:30	Veldenvlei	Clinical + Odour	Mondi	Woke up with this terrible smell outside. These factories are taking advantage. This can cause long term damage	267
144	2025/04/14 06:30	Birdswood	Clinical + Odour	Mondi	Chemical Smell. Headache and nausea	267
145	2025/04/14 06:31	Birdswood	Clinical + Odour	Mondi	Horrible smell. Tight chest and headache.	267
146	2025/04/14 06:31	Meerensee	Clinical + Odour	Mondi	Whole house inside and outside smells like rotten egg\cat urine and cabbage. Tight chest, nausea, runny nose	267
147	2025/04/14 06:34	Arboretum	Clinical + Odour	Mondi	Bad smell. Headache and sinus	267
148	2025/04/14 06:35	Arboretum	Clinical + Odour	Mondi	We got smell all around here even in my house, it suffocates.	267
149	2025/04/14 06:36	Meerensee	Clinical + Odour	Mondi	Terrible rotten smell. Headache	267
150	2025/04/14 06:40	Brackenham	Clinical + Odour	Mondi	There is a bad odour which may possibly be industrial activities of Mondi. It is unpleasant and also affects could be affecting our health.	267
151	2025/04/14 06:40	Meerensee	Clinical + Odour	Mondi	Woke up to bad smell and bad smell also in CBD. Headache and sneezing	267
152	2025/04/14 06:40	Birdswood	Clinical + Odour	Mondi	Bad smell. Strong. Burning nose	267
153	2025/04/14 06:40	Birdswood	Clinical + Odour	Mondi	Bad odour. My throat is burning. Headache. Family of 4 all have the same symptoms	267
154	2025/04/14 06:42	Brackenham	Clinical + Odour	Mondi	The odour in the air has caused major issues to my lungs. Being an asthma patient this odour in the air has agitated it severely and I had to seek medical attention.	267
155	2025/04/14 06:42	Wildenweide	Clinical + Odour	Mondi	There is a bad odour in the air and is affecting our breathing especially my son. Cough.	267
156	2025/04/14 06:45	Alton	Clinical + Odour	Mondi	Smell in the air. Burning nose and throat.	267
157	2025/04/14 06:45	Birdswood	Clinical + Odour	Mondi	Very bad smell in the AIR. Can hardly breathe. Sinus and nose blocked.	267
158	2025/04/14 06:45	Meerensee	Clinical + Odour	Mondi	Mondi odour. Headache and tinnitus.	267
159	2025/04/14 06:47	Meerensee	Odour	Mondi	Very bad odour (From Meerensee to Alton)	267
160	2025/04/14 06:48	Meerensee	Clinical + Odour	Mondi	Air quality is getting worse and affecting people with severe asthma. Have to resort to nebulisers. Shortness of breath.	267
161	2025/04/14 06:50	Meerensee	Odour	Mondi	Very bad smell	267
162	2025/04/14 06:55	Unknown	Clinical + Odour	Mondi	Bad smell making me get asthma.	267
163	2025/04/14 06:57	Birdswood	Clinical + Odour	Mondi	Bad smell. Can't breathe. Feels like there is not clean air.	267
164	2025/04/14 06:58	Veldenvlei	Clinical + Odour	Mondi	Gas smell in Veldenvlei area. Woke up with itchy eyes and a runny nose.	267
165	2025/04/14 07:01	Arboretum	Clinical + Odour	Mondi	Terrible smell that caused challenges in breathing and led to tight chest. My grandson had teary eyes.	267
166	2025/04/14 07:05	Birdswood	Clinical + Odour	Mondi	Horrid cat urine smell. Makes you want to throw up	267

No	Date	Region	Type	Source	Description	Response ID(s)
167	2025/04/14 07:09	Birdswood	Odour	Mondi	Bad smell	267
168	2025/04/14 07:16	Birdswood	Clinical + Odour	Mondi	Terrible Mondi smell in the air. Terrible sinus and headache.	278, 267
169	2025/04/14 07:28	Veldenvlei	Clinical + Odour	Mondi	Very strong gassy smell. Can't breathe.	267
170	2025/04/14 13:15	Alton North	Dust & fallout	RBIDZ	Dust fallout from land cleared by IDZ is still impacting on businesses in Alton North. (photos attached)	281
171	2025/04/16 22:45	Arboretum Ext	Noise	Foskor	"A loud noise and odour coming from Foskor"	269
172	2025/04/18 09:23	Richards Bay	Odour	Mondi	"Mondi smell hanging in the air"	270
173	2025/04/18 09:45	Veldenvlei	Odour	Mondi	"Hanging guava odour"	270
174	2025/04/18 18:58	Meerensee	Clinical + Odour	Mondi	Strong distinct smell of cat urine. Nose is burning and getting headache."	271
175	2025/04/18 22:00	Arboretum	Odour	Mondi	"Strong smelling gas and chemicals inside my house. Even my 11-year-old stepdaughter could smell it all the way upstairs. (Complaint received by RBCAA on 20 April)"	271
176	2025/04/19 13:05	Alton	Abnormal emissions	Clariant	Abnormal emissions	268
177	2025/04/19 14:13	Meerensee	Clinical + Odour	Unknown Localised Source	"Strong distinct smell of cat urine. Nose is burning and my eyes. It comes in waves.	276, 278
178	2025/04/21 22:05	Veldenvlei	Odour	Mondi	"Strong cabbage like smell."	272
179	2025/04/23 11:45	Veldenvlei	Clinical + Odour	Mondi	Pungent Mondi guava odour causing instantaneous headache and nausea."	274
180	2025/04/23 11:50	Veldenvlei	Clinical + Odour	Mondi	"VERY strong smell of cat urine/rotten onions. Nose burning."	274
181	2025/04/23 11:54	Birdswood	Clinical + Odour	Mondi	"Rotten smell in the air causing headache."	274
182	2025/04/23 11:55	Birdswood	Clinical + Odour	Mondi	"that same smell is very strong again in Birdswood causing headache."	274
183	2025/04/23 12:02	Birdswood	Clinical + Odour	Mondi	insane smell in Birdswood again. My asthmatic daughter is struggling and it's burning our eyes and throat and causes severe sinus blockage and pain."	274
184	2025/04/28 07:53	Meerensee	Odour	Mondi	Mondi odour.	275
185	2025/04/28 08:35	Brackenham	Odour	Mondi	"terrible smell like cat pee"	275
186	2025/04/28 08:42	Unknown	Clinical + Odour	Mondi	Today's Mondi smell is bad. Will Mondi compensate me with my previous attack where I fell I chipped my tooth and broke my glasses after the asthma attack when I fell. Please advice. I am a chronic patient and cannot handle this anymore."	275
May 2025						
1	2025/05/04 00:00	CBD	Alumina fallout	South32	Alumina fallout noted on vehicle on the morning of 4 May. It is assumed that the fallout occurred between Monday 28 April and Friday 2 May. (vehicle inside garage on the 3 May)	273
2	2025/05/21 00:00	Alton	Dust	NIDA	Coal Dust emanating from the Ni-Da yard in Alton. "This is happening for over 2 years now and nothing has changed. it is very dangerous to health and safety as	283

No	Date	Region	Type	Source	Description	Response ID(s)
					drivers can't see properly when using this road and it's affecting the health of people in this area."	
3	2025/05/21 07:10	Alton North	Dust & fallout	RBIDZ	Significant dust plume emanating from the IDZ site in Alton North. Alton North is covered in a dust plume that is being carried towards the residential area of Brackenham.	278, 281
4	2025/05/22 00:00	Alton	Dust	NIDA	"For the past 18 hours we have been subject to a significant cloud of dust emanating from the NIDA Transport Depot based at Alumina Allee and Guldengracht Intersection. They have made no effort to address this situation and continue to show a total disregard for fellow Businesses in this City. They have continued to do so over the past 5 years. They do not care. We find our expensive electronic and monitoring equipment covered in a layer of dust as a result. This equipment is crucial to the upkeep of the electric fencing energizers used in the Game Reserves to keep dangerous wildlife such as Lion within the confines of the fences and away from adjacent Communities. If these Lions were to escape, we would face a disaster of epic proportions. I understand that we had a very strong wind, but this problem is not new. NIDA have made no attempt to address this at all. It does not help if they wet this area as it soon becomes a quagmire of mud which is then driven onto the road by the trucks which becomes dust when the mud dries out. They need to put down a concrete surface or trade from another area where it does not affect the adjacent businesses. I believe they have a moral obligation to engage in the upkeep of the adjacent roads with an industrial sweeper as they become part of the solution and not part of the problem."	283
5	2025/05/22 09:22	Alton	Dust	NIDA	Unacceptable levels of dust emanating from the Ni-Da facility. Been allowed to continue for years and it is affecting our health and our business.	283
6	2025/05/22 10:35	Alton	Dust	NIDA	Excessive dust from Ni-Da grounds. Difficulty Breathing, air is thick with dust. "I am writing to formally lodge a complaint against NiDA, located in Ceramic Curve, next to Jooste 4x4. The air quality in and around the premises has become a serious concern due to excessive dust emissions. It is unhealthy and unacceptable to breathe in air so saturated with dust. This situation poses a significant health risk, not only to individuals on your premises but also to the surrounding businesses and employees operating in the area. As a company working nearby, we are struggling to maintain normal operations under these conditions. The constant dust infiltration affects our staff, equipment, and overall work environment. It is neither sustainable nor safe to continue business as usual in such circumstances. We urge NiDa to take immediate and effective measures to resolve this issue. Proper dust control systems and adherence to environmental health standards are essential to ensure the well-being of everyone in this area. We expect a prompt response and visible improvement in the situation"	283
7	2025/05/22 12:17	Alton North	Dust & fallout	RBIDZ	Dust fallout from IDZ site in Alton North impacting on businesses in Alton North. "This is a 6-month-old vehicle, who can I hold liable in case of any damage"	279, 282
8	2025/05/26 16:00	Veldenvlei	Clinical + Odour	Mondi	(Complaint logged at 19h17), Strange acetone type smell, , like something dead and rotting or like a gas leak." At 19h40 had to bring dogs in - "one of them vomiting." At 19h40 the complainant reported that the odour had intensified.	277
9	2025/05/26 19:47	Veldenvlei	Odour	Mondi	"Terrible smell" (near Sports Complex)	277

No	Date	Region	Type	Source	Description	Response ID(s)
10	2025/05/26 21:45	Arboretum Ext	Clinical + Odour	Mondi	"Awful strong cat urine smell. Nose and eyes burning."	277
11	2025/05/26 22:36	Meerensee	Clinical + Odour	Mondi	"Terrible cabbage smell. Headache, sinus and sore throat."	277
12	2025/05/30 13:26	Alton North	Dust & fallout	RBIDZ	Dust fallout from IDZ site in Alton North impacting businesses in Alton North.	279, 282
June 2025						
1	2025/06/03 07:20	Felixton	Odour	Mpact and THS (Meteorology)	"Strong effluent type odour."	284, 285, 290
2	2025/06/04 07:20	Felixton	Odour	Mpact and THS (Meteorology)	"Strong effluent type odour."	284, 285, 290
3	2025/06/04 10:50	Felixton	Odour	Mpact and THS (Meteorology)	Strong foul smell in the vicinity of Mpact on their eastern boundary.	284, 285, 290
4	2025/06/05 02:15	Veldenvlei	Clinical + Odour	Unknown Localised Source	"Strange gas smell. Same as before." Symptoms: Burning eyes, tight chest, headache, and nausea.	280, 1
5	2025/06/08 19:40	Veldenvlei	Odour	Mondi	"burnt matches \ egg type smell"	286
6	2025/06/08 19:51	Veldenvlei	Clinical + Odour	Mondi	"Mondi smell affecting sinuses". At 21h23 complainant reported that the odour had intensified.	286
7	2025/06/08 20:00	Veldenvlei	Clinical + Odour	Mondi	Mondi odour causing instant headache and blocked sinus	286
8	2025/06/09 07:29	Richards Bay	Odour	Mondi	Odour	286
9	2025/06/10 00:00	Alton	Dust	NIDA	10 & 11 June, Black dust emanating from activities at the adjacent Ni-Da facility. Premises floors are covered in dust.	292
10	2025/06/11 10:04	Alton	Dust	NIDA	Dust from Ni-Da facility. "This is ongoing for years. Endless complaint, notices whatever and still going strong."	292
11	2025/06/17 00:00	Alton	Dust	NIDA	On opening premises after the long weekend the premises were covered in dust.	292
12	2025/06/18 12:55	Alton	Dust	NIDA	Black dust emanating from activities at the adjacent Ni-Da facility.	292
13	2025/06/20 03:06	Veldenvlei	Odour	Mondi	"strong Mondi smell"	287
14	2025/06/20 22:17	Veldenvlei	Odour	Mondi	"strong Mondi smell" Described as sharp.	287
15	2025/06/20 22:45	Veldenvlei	Clinical + Odour	Mondi	Mondi odour (cat urine\guava) causing nausea and headache.	287
16	2025/06/21 08:16	Veldenvlei	Odour	Mondi	"Smell is still very strong"	287
17	2025/06/21 08:18	Veldenvlei	Odour	Mondi	"Strong gas smell like cat urine"	287
18	2025/06/27 08:18	Veldenvlei	Odour	Mondi	Pungent nauseating Mondi odour.	294
19	2025/06/27 11:30	Veldenvlei	Alumina fallout + Clinical	South32	Alumina fallout on vehicle. Vehicle was washed at 10h00, so this fallout occurred between 10h00 and 11h30. I could feel a residue on my face after being outside. This is unacceptable, we are breathing this in, and it irritates the eyes.	288, 289
July 2025						
1	2025/07/06 10:00	Veldenvlei	Odour	Mondi	Pungent Mondi odour	295

No	Date	Region	Type	Source	Description	Response ID(s)
2	2025/07/07 06:36	Arboretum	Clinical + Odour	Mondi	Strong chemical smell causing nausea and burning nose"	296
3	2025/07/07 12:15	Arboretum Ext	Clinical + Odour	Unknown source	"Extremely Strong electrical/chemical burning smell. Left with burning tongue, sore throat, and headache"	293, 299
4	2025/07/08 08:30	Arboretum Ext	Odour	Mondi	"Cat urine odour"	297
5	2025/07/08 19:00	Richards Bay	Smoke	ZFPA Controlled Burns	Heavy smoke affecting residents in Birdwood, Wildenweide, Veldenvlei (Reported via WhatsApp group from 19h00)	291
6	2025/07/08 19:00	Richards Bay	Smoke	ZFPA Controlled Burns	Heavy smoke affecting residents in Birdwood, Wildenweide, Veldenvlei (Reported via WhatsApp group from 19h00)	291
7	2025/07/08 19:00	Richards Bay	Smoke	ZFPA Controlled Burns	Heavy smoke affecting residents in Birdwood, Wildenweide, Veldenvlei (Reported via WhatsApp group from 19h00)	291
8	2025/07/08 19:00	Richards Bay	Smoke	ZFPA Controlled Burns	Heavy smoke affecting residents in Birdwood, Wildenweide, Veldenvlei (Reported via WhatsApp group from 19h00)	291
9	2025/07/08 19:00	Richards Bay	Smoke	ZFPA Controlled Burns	Heavy smoke affecting residents in Birdwood, Wildenweide, Veldenvlei (Reported via WhatsApp group from 19h00)	291
10	2025/07/08 19:00	Richards Bay	Smoke	ZFPA Controlled Burns	Heavy smoke affecting residents in Birdwood, Wildenweide, Veldenvlei (Reported via WhatsApp group from 19h00)	291
11	2025/07/12 21:00	Veldenvlei	Clinical + Odour	Mondi	"bad Mondi smell affecting sinuses" (From about 21h)	298
12	2025/07/12 21:20	Veldenvlei	Odour	Mondi	Pungent odour.	298
13	2025/07/13 09:00	Meerensee	Odour	Mondi	"There is a very pungent chemical smell over Meerensee. I know it's the smell that goes with Mondi complaints, but to me it smells like a chemical, very strong."	298
14	2025/07/23 07:30	Arboretum	Odour	Mondi	"A rotten smell"	301
15	2025/07/23 08:45	Alton	Odour	Mondi	"A rotten smell"	301
16	2025/07/25 09:52	Veldenvlei	Odour	Mondi	"Bad cat urine odour"	302
17	2025/07/31 15:32	Alton	Sulphur Spillage	RBIDZ	We place a very high focus on the Safety and Wellness of our Team Members that come to the Richards Bay Operation every day. Sadly there has been little improvement in this pollution over this period. This even with regular concerns being raised with the Municipality and in fact it has got progressively worse. There have for the past few days been water tankers riding up and down Carbonode Cell spraying water in an attempt to limit the volume of Sulphur becoming airborne in the strong prevailing winds. I'm not sure of what the impact is of this Sulphur now washing into the storm water network but Environmentally I would imagine it can't be good. Furthermore it is quite an embarrassment when overseas visitors come to our Richards Bay operations and have to drive around individuals sweeping up Sulphur in the road. For Visitors from first world countries I'm sure you can appreciate this would be deeply concerning and hard for them to even comprehend happening. Apart from the risks above, the roads are being blocked with sweepers and cones requiring trucks and cars to drive into oncoming traffic to get around these areas.	303, 304
August 2025						
1	2025/08/01 13:53	Alton	Dust fallout	RBIDZ	Excessive dust fallout on premises emanating from IDZ 1F site.	1, 305

No	Date	Region	Type	Source	Description	Response ID(s)
2	2025/08/05 13:35	Richards Bay	Sulphur Spillage	Grindrod	The truck coming from kusasa did not tap the cargo (Sulphate) and the car was blowing on the open environment.	306
3	2025/08/06 00:00	Alton	Dust fallout	Gundo Logistics	Ongoing: Coal dust emanating from a transport facility operating in Hydrogen Line. The site and road are covered in coal dust generating significant fallout from moving trucks. The complainant also reports that tipper washing is occurring on site.	1, 307
4	2025/08/18 00:00	Empangeni	Dust fallout	Buthelezi Mall	Dust fallout from Buthelezi Mall development in Empangeni. "Ongoing dust issues caused by the Buthelezi Mall Development in Empangeni. This has been since October 2024 Our property is located approximately 500 meters away and has been significantly impacted ,especially our open display area for used vehicles. Since November I have raised this concern. Unfortunately, the problem persists and has worsened over the past few months Despite the measures that are supposed to be taken the dust continues to settle on our vehicles, which is especially problematic for our inventory"	325
5	2025/08/19 00:00	Empangeni	Dust fallout	Buthelezi Mall	Dust fallout from Buthelezi Mall development in Empangeni. "I am concerned about the dust all over our vehicles again like before, coming from the construction of the new Mall behind us. Some of our Staff members is resulting in wearing face masks due to it as well. I feel this is affecting the quality of the air in our area." (Photographic evidence provided)	325
6	2025/08/19 17:20	Veldenvlei	Odour	Mondi	"Pungent Mondi odour".	308
7	2025/08/21 09:45	Meerensee	Clinical + Odour	Mondi	"Mondi smell causing cough and sneezing".	309
8	2025/08/22 00:00	Richards Bay	Smoke	Coal Manufacturing Kwambo	on behalf of a number of KwaMbonambi residents (10) regarding air pollution and associated health impacts being caused by illegal coal manufacturing operations in Slovo, which dates back to 2020. This is evidenced in the attached letter from Dalene Deyssel to Mbonambi Municipality. Also attached are recent photographs taken last week Friday. (Note: photographic evidence from 2025-08-22 and historical complaints letter available)	325
9	2025/08/26 12:32	Meerensee	Sewage odour	CoU	Coming out of Meerensee at turn off to Small Craft, "very strong sewage smell"	325
10	2025/08/26 14:10	Arboretum	Sewage odour	CoU	"terrible gas smell" – like rotten egg.	325
11	2025/08/27 00:00	Richards Bay	Sewage odour + clinical	CoU	"My wife suffers from chronic migraines to such an extent that she is on permanent pain medication, including tramacet, synaleve and targinact. Regular pain meds are simply not strong enough. Among her migraine triggers are various forms of air pollution. These include wood smoke (general burning of garden refuse), smoke generated by charcoal manufacturing as it seems to have a choking effect and affects sinuses along with the migraines. Burning plastics and petrochemical derivatives cause a tightening of the windpipes along with the migraines. It would appear that the railway transports Chlorine gas or liquid chlorine as, when the trucks are not sealed properly we get Chlorine fumes. This affects both my wife and I causing choking, sinus attacks and gives us both headaches (the latter is not regular and only occurs about once a month). My wife has had to be admitted to the emergency / casualty ward a number of times, particularly in the evenings due to migraines caused by these external factors - the average cost of such an admission is usually around R4500. This is an amount we really cannot afford so we do this only as an extreme resort. Mt wife has also been admitted to hospital for a number of days due to complications caused by the migraines and associated medication. We do not use the local clinic as only a Doctor can prescribe the	325

No	Date	Region	Type	Source	Description	Response ID(s)
					pethidine/aspirin drip which is about the only thing which gives a few hours relief but also carries the side effects of nausea. Generally, once a migraine has been caused it can take days to break. The regular doses of air pollution in KwaMbonambi means that she seldom manages to break the headache and can suffer for weeks without any respite." (Note: The RBCAA referred to the authorities on 2025-08-27)	
12	2025/08/31 00:00	Arboretum Ext	Coal dust	TPT	Child covered in coal dust from playing on outdoor trampoline.	312, 313, 325
13	2025/08/31 22:35	Arboretum	Clinical + Odour	Mondi	"Sulphur smell causing tightness of chest".	310
	September 2025					
1	2025/09/01 00:00	Veldenvlei	Coal dust	TPT	Coal dust on counters in home.	312, 313, 325
2	2025/09/01 00:00	Veldenvlei	Coal dust	TPT	COAL DUST inside my home. "The almost constant coal dust fallout on residents is unacceptable and a violation of our constitutional right. It is also a violation of the CoU Air Quality By-Laws. Our homes are covered in black dust, inside and out and we are BREATHING this in. This is beyond a "nuisance". It is seriously affecting our health, causing eye, sinus and throat irritation which includes coughing and constant unexplained fatigue." (Photo below)	318, 319, 325
3	2025/09/01 08:47	Arboretum Ext	Coal dust	TPT	Coal dust on vehicle overnight.	312, 313, 325
4	2025/09/01 11:03	Wildenweide	White Dust Fallout	South32	"My yard is full of white dust particles. My yard was washed yesterday ." The attached photographs are screenshots from a video (Large file).	315
5	2025/09/01 17:30	Brackenham	Clinical + Odour	Mondi	"Strong H ₂ S smell causing nasal discomfort."	311
6	2025/09/03 12:49	Alton North	Dust	RBIDZ	Significant dust emanating from cleared site on IDZ 1 F.	317
7	2025/09/03 16:08	Mtunzini	Dust fallout	Tronox	Significant red dust fallout at home from Tronox operations.	325, 1
8	2025/09/04 07:00	Arboretum	Odour	Mondi	"Rotten gas smell" (from 07h00 – 08h00)	314
9	2025/09/04 08:00	Alton	Odour	Mondi	"Rotten gas smell" (from 08h00 worsened by 10h02)	314
10	2025/09/04 09:03	Veldenvlei	Clinical + Odour	Mondi	Mondi guava odour causing nausea and headache.	314
11	2025/09/05 08:00	Alton	Visible + Odour	Clariant	"Strong fishy smell and visible yellowish emissions from stacks to the north blowing towards Bell". (Based on photograph the RBCAA identified the stacks as being the Clariant Facility)	325, 1
12	2025/09/05 09:00	Veldenvlei	Alumina fallout	South32	Alumina fallout on vehicle. Would have been deposited between 28 Aug and 4 Sept.	325, 1
13	2025/09/06 15:56	Arboretum	Coal dust	TPT	"Children again covered in black coal dust while playing in and around the home. Health affected. Sore throats. Headaches, congestion and fatigue."	318, 1, 325
14	2025/09/06 16:00	Arboretum	Sewage odour	CoU	"There has been a bad sewage odour the past few days."	321, 1, 325
15	2025/09/06 19:15	Arboretum	Sewage odour + Clinical	CoU	"Air stinks. Smells like old stinky water and poop. Causing nausea and headache."	321, 1, 325
16	2025/09/06 21:35	Arboretum	Sewage odour	CoU	"Extremely bad sewage smell."	321, 1, 325

No	Date	Region	Type	Source	Description	Response ID(s)
17	2025/09/07 09:30	Arboretum	Sewage odour + Clinical	CoU	"Very bad smell causing tight chest and coughing."	321, 1, 325
18	2025/09/07 18:40	Arboretum	Sewage odour + Clinical	CoU	"Very strong sewage smell causing coughing and tight chest."	321, 1, 325
19	2025/09/08 18:35	Arboretum	Sewage odour	CoU	"we are getting a very bad sewage smell every day in the Arboretum area."	321, 1, 325
20	2025/09/09 00:00	Veldenvlei	Coal dust	TPT	COAL DUST inside my home. "The almost constant coal dust fallout on residents is unacceptable and a violation of our constitutional right. It is also a violation of the CoU Air Quality By-Laws. Our homes are covered in black dust, inside and out and we are BREATHING this in. This is beyond a "nuisance". It is seriously affecting our health, causing eye, sinus and throat irritation which includes coughing and constant unexplained fatigue." (Photo below)	318, 319, 1, 325
21	2025/09/09 00:00	Richards Bay	Coal dust	TPT	ongoing, BLACK DUST covering everything. Causing allergies, sneezing, stuffy nose and tight chest.	318, 319, 1, 325
22	2025/09/09 00:00	Arboretum	Coal dust	TPT	ongoing, COAL DUST on everything.	318, 319, 1, 325
23	2025/09/09 00:00	Arboretum	Coal dust	TPT	COAL DUST on everything.	1, 325
24	2025/09/09 00:00	Arboretum	Coal dust	TPT	COAL DUST on vehicle.	318, 1, 325
25	2025/09/09 08:15	Veldenvlei	Alumina fallout	South32	Vehicle is covered in alumina.	1, 325
26	2025/09/09 08:32	Arboretum	Alumina fallout	South32	WHITE DUST – "My husband has just washed his vehicle and when he went to dry it was covered in white dust."	1, 325
27	2025/09/09 10:00	Arboretum	Coal dust	TPT	(past week bad), COAL DUST - 'SERIOUS coal dust problem affecting our health and the health of our pets. Even our plants are suffering, suffocating and dying, House always covered with black coal dust no matter how much you clean. Health affected – headaches, sinus, dizziness, scratchy eyes, dry throat – you can actually feel the coal dust in your mouth. In 55 years of living in Rhus Lanca, this past couple of years were the worst since this coal dust problem started. My grandchildren can't play outside otherwise they are covered in coal dust."	318, 319, 1, 325
28	2025/09/09 14:43	Arboretum	Coal dust	TPT	"Children again covered in black coal dust while playing in and around the home. Health affected. Sore throats. Headaches, congestion, and fatigue."	319, 1, 325
29	2025/09/13 21:10	Arboretum	Sewage odour	CoU	"Horrid sulphur/sewage odour"	321, 1, 325
30	2025/09/14 11:00	Veldenvlei	Coal dust	TPT	Vehicle was washed at 15h00 on Friday 12th and by Sunday 14th at 11h00 it was covered in a mix of coal dust and alumina. "The almost constant coal dust fallout on residents is unacceptable and a violation of our constitutional right. It is also a violation of the CoU Air Quality By-Laws. Our homes are covered in black dust, inside and out and we are BREATHING this in. This is beyond a "nuisance". It is seriously affecting our health, causing eye, sinus and throat irritation which includes coughing and constant unexplained fatigue." (Photos below)	319, 1, 325
31	2025/09/14 11:00	Veldenvlei	Alumina fallout	South32	"Once again there is alumina fallout on my vehicle, observed 11h00 on 14th Sept after my vehicle was washed yesterday 13 Sept at 15h00. Alumina fallout also observed on windowsills and pool cover "	1, 325
32	2025/09/16 00:00	Arboretum	Coal dust	TPT	"Everything covered in coal dust again. Floors were swept and washed yesterday. Coal dust on floors by afternoon. Furniture dusted yesterday morning and this morning there is coal dust on the furniture again."	318, 1, 325

No	Date	Region	Type	Source	Description	Response ID(s)
33	2025/09/16 13:35	Veldenvlei	Alumina fallout	South32	Once again alumina fallout on vehicle after vehicle was rinsed off on Sunday afternoon after the previous incident.	316
34	2025/09/18 07:30	Arboretum	Sewage odour + Clinical	CoU	Ongoing sewage odour. "I had visitors and the smell was so bad that they were nauseas and on the verge of vomiting."	321, 1, 325
35	2025/09/18 20:35	Arboretum	Sewage odour + Clinical	CoU	"The sewage smell is still here every day. Its making people sick."	320, 321, 1, 325
36	2025/09/18 21:20	Arboretum	Sewage odour	CoU	"At the moment Loerie Park, Olienhoutkoppie, Raasblaarlaagte and San Meer Complex are all experiencing this horrific smell."	320, 321, 1, 325
37	2025/09/23 06:34	Arboretum	Sewage odour	CoU	"Disgusting sewage smell".	321, 1, 325
38	2025/09/25 16:00	Veldenvlei	Coal dust	TPT	"Accumulation of coal dust in swimming pool weir. My home and vehicles are covered in coal dust. More importantly this is what we are being forced to breathe in, a situation that has prevailed since 2022."	323, 324, 1, 325
39	2025/09/25 18:00	Arboretum	Sewage odour	CoU	"Terrible sewage stench again."	322, 1, 325
October 2025						
1	2025/10/03 08:31	Meerensee	Clinical + Odour	Mondi	Yes, I did smell it since about 22:00 last night, it was an extremely strong smell, almost like an acid kind of smell, I had such a headache even in my neck was feeling stiff. I have to get up and close all my windows and slinding door, and out the fan on blow out the smell from my roon. It is now 3:30 AM and I just woke up now still with a headache, so I am drinking more panado's now. The smell is still in the air but just very little now. This is the second time this week that I smelled that smell.	326
2	2025/10/03 08:31	Meerensee	Clinical + Odour	Mondi	Yes, it is terrible. I am in oxigen 24/7 and it really is not doing me any good.	326
3	2025/10/03 08:31	Meerensee	Clinical + Odour	Mondi	Had the windows closed, fan blowing right on me, vics under my nose, and I have taken two doses of migraine meds.	326
4	2025/10/03 08:31	Meerensee	Clinical + Odour	Mondi	Meer and see. The smell was very bad and strong smelling last night till early hours of the morning in kolsterkring.	326
5	2025/10/03 23:12	Meerensee	Clinical + Odour	Mondi	"Terrible smell in Meerensee, smells like burnt cabbage. Causing burning eyes."	327
6	2025/10/08 06:00	Veldenvlei Ext	Clinical + Odour	Mondi	"What is going on with the terrible smells the past week. Smells like acid, cat pee. Causing bleeding nose, sore throat, burning eyes and coughing. It is very bad this morning."	327
7	2025/10/08 07:58	Veldenvlei	Clinical + Odour	Mondi	"bad odour causing nausea, sinus symptoms and headache."	327
8	2025/10/08 07:59	Arboretum	Clinical + Odour	Mondi	"Terrible smell affecting my granddaughter's asthma."	327
9	2025/10/08 08:00	Birdswood	Odour	Mondi	Terrible odour	327
10	2025/10/08 08:15	Arboretum	Odour	Mondi	Nasty smell	327
11	2025/10/08 08:20	Veldenvlei	Odour	Mondi	Offensive smell	327
12	2025/10/08 08:21	Veldenvlei	Clinical + Odour	Mondi	Pungent Mondi odour causing headache.	327
13	2025/10/08 08:58	CBD	Clinical + Odour	Mondi	Bad smell causing nose irritation.	327

No	Date	Region	Type	Source	Description	Response ID(s)
14	2025/10/15 21:06	Arboretum Ext	Ammonia - Clinical + Odour	Mondi	"Terrible ammonia smell causing tight chest."	328
15	2025/10/16 13:15	Empangeni	Smoke	THS	"White smoke blanketing over Roots"	329, 1
16	2025/10/16 13:22	Unknown	Smoke	THS	Note: Description of complaint to be updated.	329, 1
17	2025/10/20 07:04	Veldenvlei	Odour	Mondi - Meteorology	"There is a nauseating guava odour"	332, 1
18	2025/10/24 09:15	Unknown	Odour + Smoke + Clinical	THS	" The air quality is not good again this morning. Gets to the chest when breathing. Sweetish smell, white haze, smoke in the air"	330, 1
19	2025/10/27 16:36	Felixton	Clinical + Odour	THS	" The air quality is not good again. Hazey air, hits the cough buton when breathing in deeply, strong odour. It's lingering this time".	331, 1
	November 2025					
1	2025/11/18 19:30	Arboretum Ext	Sewage odour	CoU	Tue 18 Nov @19h30, Thurs 20 Nov @18h00 and Fri 21 Nov @22h14, "The sewage smell is so bad that my house stinks inside. My visitors actually left because the smell was so bad."	325
2	2025/11/19 12:17	Felixton	Smoke	THS	There is a cloud of smoke over the school - its hard to breathe".	339
3	2025/11/21 07:40	Arboretum Ext	Alumina fallout	South32	"White powder on car. Was washed last night."	334, 335
4	2025/11/21 08:30	Veldenvlei	Alumina fallout	South32	"Alumina fallout on vehicle."	334, 335
5	2025/11/21 22:04	Arboretum Ext	Sewage odour + clinical	CoU	"Unbearable sewage odour, affecting my asthmatic children."	325
6	2025/11/25 16:20	Richards Bay	Sulphur Odour & Smoke	Grindrod	"pungent sulphur smell and white smoke over Foskor towards CBD"	333
7	2025/11/25 16:29	Richards Bay	Sulphur Odour & Smoke	Grindrod	"Bad acidic smell and smoke haze."	333
8	2025/11/25 19:15	Arboretum	Sulphur Odour + clinical	Grindrod	"Sulphur Smell causing throat and chest discomfort"	333
9	2025/11/25 19:58	Arboretum	Sulphur Odour	Grindrod	Bad sulphur type smell.	333
10	2025/11/27 07:51	Arboretum	Sewage odour	CoU	" really bad sewage smell"	325
11	2025/11/27 07:51	Arboretum	Sewage odour	CoU	" really bad sewage smell"	325
12	2025/11/27 07:51	Arboretum	Sewage odour	CoU	" really bad sewage smell"	325
13	2025/11/27 07:51	Arboretum	Sewage odour	CoU	" really bad sewage smell"	325
14	2025/11/28 07:36	Arboretum Ext	Sewage odour	CoU	"Sewage stench"	325
15	2025/11/28 08:40	Veldenvlei	Alumina fallout	South32	"Alumina fallout on vehicle after being washed following previous incident"	334
16	2025/11/29 18:11	Arboretum Ext	Sewage odour	CoU	"Terrible sewage smell"	325
17	2025/11/29 20:47	Arboretum Ext	Sewage odour	CoU	"Sewage smell terrible"	325

No	Date	Region	Type	Source	Description	Response ID(s)
	December 2025					
1	2025/12/01 08:20	Veldenvlei	Alumina fallout	South32	Alumina fallout on vehicle and windowsills. Vehicle was washed on 29 Nov.	338
2	2025/12/02 08:39	Arboretum Ext	Sewage odour	CoU	"Sewage smell unbearable again this morning"	337
3	2025/12/06 17:00	Arboretum Ext	Sewage odour	CoU	bad sewage odour.	337
4	2025/12/06 17:59	Arboretum Ext	Sewage odour	CoU	"the sewer smell is really bad and has been for some time. Please could something be done about this."	337
5	2025/12/06 18:09	Arboretum Ext	Sewage odour	CoU	"Sewage smell. Been bad since this morning."	337
6	2025/12/06 18:11	Arboretum Ext	Sewage odour	CoU	bad sewage odour.	337
7	2025/12/06 18:20	Arboretum Ext	Sewage odour	CoU	bad sewage odour affecting most residents in Hadeda Park because there are numerous overflowing manholes and I am sure that there is ground and water contaminated in the greenbelt.	337
8	2025/12/07 04:00	Arboretum Ext	Sewage odour	CoU	"Terrible sewage smell this morning. This can point to airborne bacteria from the sewage. These can sometimes include things like E.Coli, Salmonella, Legionella and other harmful germs. They may cause stomach issues, breathing problems, skin infections or allergic reactions especially in kids, elderly people or anyone with a weak immune system. This needs urgent attention for everyone's health and safety as it has been going on for over a year that we've experienced these exposures daily."	337
9	2025/12/07 08:56	Wildenweide	Odour	Mondi	"extra strong rotten egg smell"	336
10	2025/12/13 08:52	Veldenvlei	Alumina fallout	South32	Alumina fallout on vehicle.	341, 342
11	2025/12/17 08:06	Arboretum & CBD	Odour	Unknown source	"Weird sweetish smell."	340
12	2025/12/19 08:25	Veldenvlei	Alumina fallout	South32	Alumina fallout on vehicle. Vehicle was rinsed off after each observation.	341, 342
13	2025/12/25 09:03	Veldenvlei	Alumina fallout	South32	Alumina fallout on vehicle. Vehicle was rinsed off after each observation.	341, 342
14	2025/12/31 08:30	Veldenvlei	Alumina fallout	South32	Alumina fallout on vehicle. Vehicle was rinsed off after each observation.	341, 342

Table 2: Responses

Response ID	Industry Feedback
1	Unresolved / No Response
2	No response required
232	Mondi - Candice Webb responded (2025/01/07 08:29): Source of odour: Mondi Secondary effluent plant.
233	RBCAA - Sandy Camminga (2025/01/20 08:35): The RBCAA will refer this complaint to the relevant Authorities.
234	Foskor- Silungile Msane responded (2025/01/22 18:39): In the morning of January 16, 2025, fire was observed at Filter number 3 of the Sulphuric Acid Plant. Sulphuric Acid Plant has 3 filters namely filter no.1 filter no.2 and filter no.3. These filters are used to filter molten sulphur and separate the clean sulphur from the sulphur ash. When fire occurs in the filter, the sulphur ash forms smoke which contains small amounts of SO ₂ gas because of the sulphur content that remains in the ash during the process of filtration. The cloud seen was as a result of the smoke resulting from the fire.
235	Foskor- Silungile Msane responded (2025/01/22 18:48): In the morning of January 16, 2025, fire was observed at Filter number 3 of the Sulphuric Acid Plant. As a result of this fire, there was smoke in the vicinity of the Sulphuric Acid Plant.
236	Foskor- Silungile Msane responded (2025/01/22 18:48): The acid strength probe was faulty.
237	Foskor- Silungile Msane responded (2025/01/22 18:48): In the morning of January 16, 2025, fire was observed at Filter number 3 of the Sulphuric Acid Plant. As a result of this fire, there was smoke observed in the Sulphuric Acid Plant.
238	Mondi - Candice Webb responded (2025/01/23 08:48): Source of odour: Secondary Effluent Treatment Plant - condensate overflow.
239	Mondi - Candice Webb responded (2025/02/04 09:28): Source of odour: Methanol leak.
240	Mondi - Candice Webb responded (2025/02/04 07:46): Source of odour: Non condensable gas system. RBCAA - Sandy Camminga responded (2025/02/04 09:51): Although Mondi identified a flange leak on the methanol system this morning, based on the description of the odour I don't believe the source to be Mondi. A burnt match smell is associated with burning sulphur.
241	Foskor- Silungile Msane responded (2025/02/07 13:09): Acid strength below the specification limits.
242	Foskor- Silungile Msane responded (2025/02/18 16:09): There were no corrective actions that needed to be executed as there were no upset conditions.
243	Foskor- Silungile Msane responded (2025/02/05 18:22): There is no root cause as there was no indication of Foskor's operations contributing to the odour.
244	Mondi - Candice Webb responded (2025/02/24 09:32): Source of odour: Non condensable gas system.
245	Mondi - Candice Webb responded (2025/02/24 10:39): Unlikely that Mondi was the source. RBCAA Brackenham monitoring station Wind direction at Brackenham station prior to the complaint = 206° • Between 03:00 and 04:50 wind direction was predominantly a westerly wind of 270° which is in line with Merenssee, however at 05:00 wind direction changes to a Northerly direction of between 290° and 52° which is in line with eSikhaleni. Average wind speed = 1.4m/s No exceedances of WHO guideline limits recorded at the Mondi monitoring station both prior and during the time of the complaint. However, a slight increase at the Alton station between 05:30 and 06:00 did indicate localised odour from the mill. No ambient TRS exceedances of WHO guideline limits recorded at the RBCAA station prior or during the time of the complaint. All point source emissions found to be well within specification. Area operators undertook plant specific odour checks and investigated any possible leaks, no deviations identified were found in the non-condensable gas system. The effluent plant was also investigated and effluent quality found to be of a good quality. The effluent plant was also confirmed to be offline between 04:00 and 08:00 as per odour abatement strategy at Richards Bay mill. Ambient monitoring stations owned by Mondi and the RBCAA identified low levels of TRS associated with the Mondi mill however the stations gave no indications of elevated TRS which could account for the description of odour and symptoms experienced by the complainant. Consequently, based on stable operating conditions of the Mondi mill, low ambient TRS at the monitoring stations and wind direction at the time of the complaint. It is unlikely that Mondi is the source.
246	Mondi - Candice Webb responded (2025/02/24 11:04): Source of odour: Secondary Effluent Treatment Plant.
247	RBCAA - Sandy Camminga (2025/02/26 07:03): requested feedback from authorities.
248	South 32 -Londiwe Molebale responded (2025/02/20 08:54): No abnormalities noted on the trends nor from the plant shift reports on the GTC's.
249	RBCAA - Sandy Camminga (2025/02/26 11:07): Kindly allocate this complaint to Chemalum.
250	Mondi - Candice Webb responded (2025/02/26 12:42): Source of odour: Secondary Effluent Treatment Plant (due to condensate flow).
251	RBCAA - Sandy Camminga (2025/03/02 17:56): Complainant reported observing trucks carrying sulphur entering Grindrod's Seamunye facility, and that trucks were not correctly tarped. The Authorities were notified via WhatsApp at 16h14 on 27 February.
252	CoU - Lindiwe Khumalo responded (2025/03/04 9:18:35): City of uMhlathuze, Air Quality Management Unit officials visited the site in discussion at Kuleka Street in eMpangeni yesterday on the 3rd of March 2025 and it was noted that there are mitigation measures that the Facility has taken to minimize air pollution including the installation of a spray booth. The Facility further notified the officials of the ambient monitoring plan for volatile organic compounds that it is currently undertaking and the results will be shared by the Facility to all authorities. City of uMhlathuze: Air Quality Management Unit officials also advised the Facility to apply for the Scheduled Trade Permit.

Response ID	Industry Feedback
	CoU - Nozipho Khathi responded (2025/03/04 9:10:06): The facility has been visited by KCDM Air Quality, Environmental Health and Fire and Rescue in the previous two months, a report was issued to the facility. The main issue is cross ventilation within the building. CoU Building Inspector conducted an inspection on 11.02.2025 to ascertain compliance with building regulations.
253	Grindrod- Silungile Msane responded (2025/03/04 16:09): Grindrod responded on the group at 16h09 stating; "That is from vessel to our facility. We have cleaners along the road maintain the cleaning on entire route and are on the way. Grindrod- Sibahle Dladla responded (2025/03/13 11:34): The root was re-investigated. The findings reflected that no monitoring of trucks is done especially (i.e condition of vehicle, and movement) during vessel loading.
254	Mondi - Candice Webb responded (2025/03/06 09:45): Non-Condensable gas system.
255	Mondi - Candice Webb responded (2025/03/06 11:56): Non-Condensable gas system.
256	Mondi - Candice Webb responded (2025/03/06 11:56): Non-Condensable gas venting.
257	Grindrod- Sibahle Dladla responded (2025/03/03 14:02): Spillages was from trucks that have offloaded already with cargo stuck on tailgate/wheel arches. Trucks are tarped as we have teams on vessel and the port and will not allow trucks to leave without being tarped or that are leaking, they will be stopped at the gate by TPT security. At Seamunye trucks remove the tarps outside the facility before entering.
258	RBCAA - Sandy Camminga (2025/03/11 21:54): Residents say that this is not an isolated incident, and has been an issue since 2022\2023. The RBCAA will forward the complaints to the relevant Authorities.
259	RBCAA - Sandy Camminga (2025/03/11 23:16): The IDZ was notified and responded as follows; "We believe that this sand originates from the recent site clearing activities at 1F (Nyanza site). The contractor moved off site last month (contract end). We are looking into appointing a dust suppression contractor to proactively address the issues experienced yesterday"
260	RBCAA - Sandy Camminga (2025/03/12 09:52): The above complaint will be referred to the relevant Authorities.
261	RBCAA - Sandy Camminga (2025/03/12 14:04): The RBCAA notified the Authorities. CoU Air Quality section immediately undertook a site visit and provided feedback to the RBCAA. Activities at the NIDA facility were found to be unacceptable. CoU will follow internal processes to address this issue.
262	RBCAA - Sandy Camminga (2025/03/12 14:04): The RBCAA contacted Foskor. Their preliminary response stated that the noise was related to increased steam pressure on the line resulting in the opening of the relief valve. Foskor's final report is awaited.
263	Mondi - Candice Webb responded (2025/03/13 14:58): Source of Odour: Over pressurisation of the CPX tank.
264	Mondi - Candice Webb responded (2025/03/18 07:38): Source of Odour: The investigation confirmed that non-condensable gases had tripped out of the Recovery Flare and into the Recuast Flare for incineration. The Recauast Flare was unable to efficiently incinerate the noncondensable gases and elevated TRS was recorded on the analyser. Gases were redirected back to the Recovery Flare within five minutes and stabilised.
265	Foskor- Silungile Msane responded (2025/03/18 13:13): The cause of the activation of the pressure relief valve is that the A & B Sulphur section that uses a lowpressure system of 29 bar got a higher steam pressure of approximately 45 bar. Because there was a demand for additional steam for Phosphoric Acid there was simultaneous increase of the plant rates (B and C Plants). Increased plant rates resulted in an increase of steam production and thus increased pressure in the pipeline.
266	Grindrod- Sibahle Dladla responded (2025/04/10 14:17): Residual cargo accumulation. Spillages was from trucks that have offloaded already with cargo stuck on the tailgate / weel arches. It fell on the road from trucks exiting the site.
267	Sandy Camminga (in behalf of Mondi - Candice Webb) responded (2025/04/16 23:13): Source of odour: Ruptured bursting disc on the non-condensable gas line to the flare.
268	Sandy Camminga (in behalf of CoU) responded (2025/04/21 20:12): The RBCAA notified the Authorities on receipt of the complaint. CoU responded and provided the following response from Clariant; "We had a process upset; the incinerator tripped. The situation was resolved. We will send a forma response during the week when we are back in the office."Clariant operates under a Scheduled Trade Permit. CoU will monitor and provide feedback. Donny Naidoo (in behalf of Clariant) responded (2025/04/22): The investigation determined that a process upset has occurred, causing the incinerator to trip. As a result, the offgas bypassed the standard treatment process normally provided by the incinerator, leading to the visible emission. Note: full report / letter available)
269	Foskor- Silungile Msane responded (2025/04/23 16:47): Noise complaint: around the time of the exceedance, the steam pressure exceeded maximun settings on the relief valve on the 11-bar steam system in Sulphuric acid C plant causing a loud noise. Odour complaint: Based on the SO ₂ trends around the time of the complaint, there were no abnormalities present in the plant conditions. However it must be noted that the odour complaint was not clear regarding the type of odour experienced.
270	Mondi - Candice Webb responded (2025/04/24 14:55): Source of Odour: Fugitive emissions as a result of unstable mill conditions. "...All point source emissions found to be well within specification. The hardwood and softwood gasses were stable in the Recovery Boiler Flare and the Lime Kiln for incineration. Area operators undertook plant specific odour checks and investigated any possible leaks, no deviations identified were found in the non-condensable gas system.

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	The Mondi Secondary Effluent Treatment Plant (SETP) was offline at the time for odour control. However, based on unstable operating conditions during a difficult start-up of the mill and wind direction, Mondi is the most likely source of the odour."
271	Mondi - Candice Webb responded (2025/04/24 14:55): Source of Odour: Secondary Effluent Plant. "...All point source emissions found to be well within specification. The hardwood and softwood gasses were stable in the Recovery Boiler Flare and the Lime Kiln for incineration. Area operators undertook plant specific odour checks and investigated any possible leaks, no deviations identified were found in the non-condensable gas system. However, based on upset conditions in the mill and poor quality effluent, and elevated TRS at the Alton station, the Secondary Effluent Treatment Plant (SETP) was determined to be the most likely source of the odour. The SETP was switch off until 08:00 the following morning."
272	Mondi - Candice Webb responded (2025/04/24 14:55): Source of Odour: Secondary Effluent Treatment Plant. "...All point source emissions found to be well within specification. The hardwood and softwood gasses were stable in the Recovery Boiler Flare and the Lime Kiln for incineration. Area operators undertook plant specific odour checks and investigated any possible leaks, no deviations identified were found in the non-condensable gas system. However, based on upset conditions in the mill and poor-quality effluent and elevated TRS at the Alton station, the Secondary Effluent Treatment Plant (SETP) was determined to be the most likely source of the odour. The SETP was switch off until 08:00 the following morning."
273	South 32 -Londiwe Molebale responded (2025/05/08 16:58): The cause of the alumina dust is from the Gas Treatment Centre, it was identified that some gaskets were not tighten enough the during HF reduction project.
274	Mondi - Candice Webb responded (2025/05/14 12:36): Mondi Environmental Manager received notification of odour complaint from the RBCAA at 11:45 and an investigation was undertaken. All point source emissions found to be well within specification. The hardwood and softwood gasses were stable in the Lime Kiln for incineration. Area operators undertook plant specific odour checks and investigated any possible leaks, no deviations identified. However, the Mondi Secondary Effluent Treatment Plant (SETP) was identified as a potential source. Consequently, it was taken offline and flushed with clean water.
275	Mondi - Candice Webb responded (2025/05/14 15:33): "...the Mondi Secondary Effluent Treatment Plant (SETP) was identified as a potential source, based on the elevated TRS recorded at the Alton station between 05:00 and 08:00. In addition, area operators undertook plant specific odour checks and investigated any possible leaks, a leak on the CPX system was identified at 10:00 and the plant isolated for repairs. The repair was completed by 15:00."
276	Mondi - Candice Webb responded (2025/05/15 12:48): "...Based on wind direction and stable operating conditions, it is unlikely that Mondi is the source..."
277	Mondi - Candice Webb responded (2025/05/29 08:58): Source of Odour: Non-condensable gas leaks. (Investigation report available)
278	RBCAA Allocation- Sandy Camminga (2025/05/28 15:04)
279	RBCAA - Sandy Camminga responded (2025/06/04 19:36): The IDZ was notified on the days that the complaints were received by the RBCAA.
280	RBCAA - Sandy Camminga responded (2025/06/05 12:41): Mondi was notified, however based on WD Mondi can be excluded as a possible source. No other complaints were received and based on wind direction and low wind speeds the source was likely localised. There is a historical odour issue in that area relating to CoU sewer infrastructure. The complainant is however unwilling to provide their exact location so no further investigation can be undertaken.
281	RBIDZ - Sethabile Gcume responded (2025/06/06 08:27): Root cause: Between Sep 2024 and Feb 2025, a civil engineering contractor undertook site clearance work on the northern portions of the Phase 1F property in preparation for the construction. of the Nyanza Metals Pigment Plant (NEMA EIA Ref: DC28/0010/2022 – EA issued in June 2023). Due to the delay in the commencement of construction of the said plant, the exposed soils are vulnerable to erosion from wind as well as excessive dust fallout. Note: Incident report available.
282	RBCAA Allocation- Sandy Camminga (2025/06/06 13:45)
283	RBCAA - Sandy Camminga responded (2025/05/22 10:12): The Authorities were notified at the time of the complaints, 22 May at 10h12. KCDM and CoU responded and an update was provided at 11h47. City Development - Cllr Botha responded (2025/05/22 17:02): Dear DM, The update on Nida Transport is as follows: First complaint was received on the 10th March 2025. The joint inspection was conducted by CoU and KCDM on the 11th, and the Facility was instructed to institute dust suppression measures. A second complaint was received on the 14th April 2025 and the inspection was conducted on the same day. The compliance notice was issued by KCDM on the 15th April 2025. It can be confirmed that the facility has submitted dust management plan detailing short, medium and long term intervention. The plan is currently being reviewed by relevant authorities. 3rd and 4th complaints were received on the 21st and 22nd May 2025. A joint inspection was conducted by CoU, KCDM and DEDTEA on the 22nd (today). The facility has instructed to cease all activities causing dust and implement urgent measures to suppress dust including a water tanker on site. Furthermore, a pre-compliance notice will be issued by DEDTEA addressing all environmental transgressions including dust issues. If the facility fail to adhere to all legislative requirements and notices further actions will be instituted against them.
284	Tongaat Hulett - Nicolas Govender responded (2025/06/09 14:50): The effluent dams was healthy and the odour around the dams were normal. Root cause: None - The pH of the dams was all within spec. - There was high flows of smuts water from the Boilers on two days and these pH's were also within spec with low odours. This was due to challenges experienced in the plant. - The analysis of sulphates in the dams are also trending low, so it is unlikely that TH contributed to odour complaints above.
285	Mpact - Maggie Odayar responded (2025/06/09 15:26): Unidentified. Following the root cause investigations, it was found that Mpact Felixton's operational activities were not the root cause of the odour experienced at the times and locations indicated above.

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286	Mondi - Candice Webb responded (2025/06/10 14:48): Source of odour: Non-condensable gas leaks. "...Deviations identified by the standby process engineering team included slightly elevated effluent temperature due to higher-than-normal volumes of hot condensate to effluent plant. Decision taken to reduce the condensate to effluent plant and flush the effluent plant with water for 4 hours to drop the temperature. This was undertaken between 23:00 and 03:00 the following morning. Improvements in ambient TRS were noted at Hytec station, however Alton station which is situated 500m from the effluent plant continued to record elevated levels of TRS..." The Environmental Manager together with the process engineers from the odour abatement task team reconvened at 07:30 the following morning and continued the investigation. The following was concluded: 1) A leak on the evaporation plant or the methanol plant. This seems the most likely based on the intensity of the complaints. 2) The complaint from the municipality is most likely because of odour trapped in the municipal building from the night before as wind direction had switched to a Northeast by 06:00. While walking the methanol plant at 09:15 on the morning of the 9th of June a leak on a flange was identified, strapped, and confirmed no H₂S measured at the flange." NOTE: Full Incident investigation report available.
287	Mondi - Candice Webb responded (2025/06/27 15:31): Source of odour: Methanol system.
288	South 32 -Londiwe Molebale responded (2025/06/30 14:49): Findings: Average automatic bag leak detectors readings for all Gas Treatment Centres were not indicating excessive bag leaks GTC 3 and GTC 4 bag leak detectors readings higher than other GTCs No visible emissions were identified across all stacks (FTCs & GTCs) on the 27th of June 2025 Actions: Continue with investigating GTC 3 & GTC 4 individual filters to identify contributors to alumina leaks Conduct repairs as per investigation findings (GTC 3 & GTC 4)
289	RBCAA Allocation- Sandy Camminga (2025/07/02 18:48)
290	RBCAA Allocation- Sandy Camminga (2025/07/02 21:18 & 21:20)
291	RBCAA - Sandy Camminga (2025/07/09 09:27): Complaint; Heavy smoke affecting residents in Birdwood, Wildenweide, Veldenvlei. The RBCAA contacted ZFPA who responded that they had permitted two (2) controlled burns for timber slash. One on Nsezi Plantation near Aquadene, the other north near Mondi nursery. WD was not favourable. There were also a significant number of residents who complained on the evening of 3 July, via the same WhatsApp group. I unfortunately inadvertently deleted the chat, however ZFPA was informed at 20h27 on 3 July and responded as follows on 8 July; ZFPA issued four (4) burn permits for load reduction ; 2 to Mondi, 1 to SiyaQhubeka and 1 to Davidson in Nseleni. The WD on 3 July was not favourable.
292	RBCAA - Sandy Camminga (2025/07/09 08:39): The above complaints were reported to the Authorities via WhatsApp at the time, together with supporting videos and photographs. On 18 June Ms Khathi from KCDM responded that they had sent an email to Ni-Da requesting them to implement mitigation measures; which read as follows; "The King Cetshwayo District Municipality has received a dust complaint emanating from the Nida Trust site in Richards Bay; refer to the attached photos and video. The facility is required to immediately implement the appropriate actions to minimise the generation of wind-blown dust and submit a written report with dated pictures within 24 hours of receiving this complaint."
293	RBIDZ - Percy Langa responded (2025/07/09 15:49): I have forwarded the email to Wilmar for their (Wilmar) attention.
294	Mondi - Candice Webb responded (2025/07/16 13:44): Fugitive Emissions from Start Up Conditions
295	Mondi - Candice Webb responded (2025/07/16 13:44): Unconfirmed source from Mondi.
296	Mondi - Candice Webb responded (2025/07/16 13:44): Unconfirmed source from Mondi.
297	Mondi - Candice Webb responded (2025/07/16 14:14): Unconfirmed source from Mondi.
298	Mondi - Candice Webb responded (2025/07/16 14:14): Unconfirmed source from Mondi.
299	RBCAA - Sandy Camminga (2025/07/21 14:09): Please see attached response from RBIDZ. Allocate complaint to "Unknown source" RBIDZ - Percy Langa (2025/07/11 09:39): From WILMAR "Please note that we have investigated and can confirm that the extremely strong electrical/chemical burning smell did not originate from our site" RBIDZ - Sethabile Gcume (2025/07/23 12:26): Submission of RBIDZ incident report.
300	RBCAA Allocation- Sandy Camminga (2025/07/22)
301	Mondi - Candice Webb responded (2025/07/25 14:08): Source of Odour: Fugitive emissions from Mondi. Wind direction at the time of the complaints indicated Mondi was the source – 284 deg before complaint. Wind speed was 0.5 m/s prior to complaint on 23/07/2025. Mondi chose to use meteorological data from the Brackenham monitoring station during the period of investigation as it is the RBCAA monitoring station which is situated closest to Mondi. Calculation of Impacts Mondi Monitoring Stations As can be seen from the trend below (1 min avg), elevated TRS was recorded at the Mondi Alton station of 6.0 ppb at 06:10. Two smaller peaks of 3.8 ppb at 07:50 and 4.6 ppb at 08:20 were also recorded. As can be seen from the trend below (1-min avg), elevated TRS was recorded at CBD and Richardia stations. Richardia peaked at 2.9 and 3.7 ppb at 07:37 and 08:04, respectively. CBD station peaked at 3.7 ppb at 07:37. All peaks remained below the WHO limit of 5ppb. The Mondi Environmental Manager received notification of the complaints from the RBCAA at 09h05 on the 23rd of July 2025 and commenced with the investigation. Plant checklists were conducted by the area operators, and respective plant standby engineers

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	as well as the Environmental Manager immediately after the complaint. Following which the odour abatement task team members then convened to complete plant specific checks and review online odour related dashboards and trends. Prior to the time of the complaints Mondi was starting the soft wood system and it is possible fugitive emissions from the start up, coupled with low temperature inversion contributed to the odour.
302	Mondi - Candice Webb responded (2025/07/29 11:19): Source of Odour: Methanol plant. Wind direction at the time of the complaint indicated Mondi was the source – 248 deg before complaint. Wind speed was 1.2 m/s to complaint. Mondi chose to use meteorological data from the Brackenham monitoring station during the period of investigation as it is the RBCAA monitoring station which is situated closest to Mondi. As can be seen from the trend below (1 min avg), elevated TRS was recorded at the Mondi UVS station (peak of 7.3ppb at 07:01) followed by peak at Alton station of 6.2ppb at 09:32 upon change in wind direction from a Northeast to a Southwest. After reviewing the results from the pressure indicator overnight, the methanol plant pressure does appear to be fluctuating between positive and negative pressure. The odour abatement task team is now investigating possible root cause with the intention to address findings as soon as possible.
303	RBCAA - Sandy Camminga (2025/08/01 08:35): The RBCAA acknowledges receipt of your complaint, which we will record and forward to the relevant Authorities for their investigation. In terms of POPIA your contact details will be provided to the Authorities for investigation purposes only.
304	CoU - Lindiwe Khumalo responded (2025/08/07 08:23): I acknowledge the receipt of the complaint. This facility does not have a Scheduled Trade Permit, I will visit the facility and proper measures to ensure that this is rectified will be taken. RBIDZ - Sethabile Gcume responded (2025/08/08 16:20): Wind conditions on the day of the incident: The wind was blowing in the northerly direction. Immediate Action(s) Taken. The SHEQ Manager informed the Zone Development Manager of the incident and requested that appropriate mitigation measures be implemented. The appointed service provider was scheduled to attend to the matter on the morning of Saturday, 2 August. However, due to rainfall that morning, dust suppression was no longer required. Root Cause(s) Between Sep 2024 and Feb 2025, a civil engineering contractor undertook site clearance work on the northern portions of the Phase 1F property in preparation for the construction of the Nyanza Metals Pigment Plant (NEMA EIA Ref: DC28/0010/2022 – EA issued in June 2023). Due to the delay in the commencement of construction of the said plant, the exposed soils are vulnerable to erosion from wind as well as excessive dust fallout. On the evening of July 31st and into the early hours of August 1st, Richards Bay experienced strong winds, making dust suppression challenging during night hours. Corrective Actions Procure a contractor to manage dust. Key Learnings Proactively implement erosion control measures to avoid negative environmental impacts.
305	RBCAA - Sandy Camminga (2025/08/07 10:48): For clarification, the dust is emanating from a cleared site within IDZ 1F, where construction has yet to commence. RBIDZ - Sethabile Gcume (2025/08/08 16:20): Wind conditions on the day of the incident The wind was blowing in the northerly direction. Immediate Action(s) Taken The SHEQ Manager informed the Zone Development Manager of the incident and requested that appropriate mitigation measures be implemented. The appointed service provider was scheduled to attend to the matter on the morning of Saturday, 2 August. However, due to rainfall that morning, dust suppression was no longer required. Root Cause(s) Between Sep 2024 and Feb 2025, a civil engineering contractor undertook site clearance work on the northern portions of the Phase 1F property in preparation for the construction of the Nyanza Metals Pigment Plant (NEMA EIA Ref: DC28/0010/2022 – EA issued in June 2023). Due to the delay in the commencement of construction of the said plant, the exposed soils are vulnerable to erosion from wind as well as excessive dust fallout. On the evening of July 31st and into the early hours of August 1st, Richards Bay experienced strong winds, making dust suppression challenging during night hours. Corrective Actions Procure a contractor to manage dust. Key Learnings Proactively implement erosion control measures to avoid negative environmental impacts.
306	Grindrod- Sibahle Dladla responded (2025/08/07 11:02): SOURCE OF COMPLAINT The truck with Registration number FXH687FS coming from KUSASA site to TPT 708 Vessel loading of Sulphate, the tarp was loose, and the cargo was exposed to air causing dust emission. ROOT CAUSE OF INCIDENT The tarp that was used to cover the skip was not secured properly and did not fully enclose the load further contributing to the dust emission. A small amount of cargo remained on the flat deck, which led to dust being dispersed into the open environment due to wind during transportation. CORRECTIVE ACTIONS & PREVENTATIVE MEASURES Immediate action taken: • The skip tarp was adjusted and secured to ensure full coverage and to prevent further dust emission. • The remaining cargo was immediately removed from flat deck to eliminate the source of dust. • Incident was communicated to the responsible personnel; Site Supervisors and transport team to raise immediate awareness and to prevent recurrence. • The driver was briefed on the importance of fully securing tarps and ensuring the vehicle is clean before leaving the site Corrective actions: • Grindrod will inspect all trucks and clear spilled cargo before the tucks leave the facility to prevent dust emissions. All skips will be fully covered with tarps that are correctly fitted and secured to prevent dust emission from cargo. • Increase supervision (Supervisors to perform periodic audits and on job task observation to ensure compliance with load covering and cleanliness
307	RBCAA Allocation- Sandy Camminga (2025/08/19 14:38): I have verbal feedback from Municipality that Authorities have been to the premises and are dealing with it. Please allocate to GUNDO LOGISTICS.
308	Mondi - Candice Webb responded (2025/08/25 11:53): Source of Odour: Non-condensable gas system- loss of vacuum. RBCAA Brackenham monitoring station. Average wind direction at Beckenham station prior to the complaint =263° Average wind speed = 1.0m/s. Description of Incident

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	Mondi Environmental Manager received notification of odour complaint from the RBCAA at 17:52 and commenced with an investigation. It was determined that the Recovery plant maintenance team was repairing a sealing water leak on one of the gas vacuum pumps. During the repair process the vacuum system tripped resulting in a loss of vacuum of the non-condensable gas system and release of odours gases to atmosphere. The vacuum system was reinstated within 10 minutes. 7. Corrective Actions - The vacuum system was reinstated within 10 minutes. 8. Preventative Measures - Isolation procedure for all odour abatement equipment revised to consider odour risk
309	Mondi - Candice Webb responded (2025/08/25 11:53): Source of Odour: Secondary Effluent Treatment Plant - condensate overflow. Average wind direction at Beckenham station prior to the complaint =340° Average wind speed = 1.2m/s. Calculation of Impacts: Mondi Monitoring Stations A TRS peak of 5.3ppb was recorded at the Alton station between 09:33 and 09:38. Which is inline with the time and location of the odour complaint. "...However, it was noticed that there was a strong odour coming from the Fibreline wash presses which use condensate as a washing medium. Condensate is the moisture condensed off black liquor, cleaned and then reused across the mill instead of fresh water to help reduce water consumption. It was suspected that the condensate may have been contaminated with higherthan-normal TRS compounds. At 10:20 condensate samples across the mill were taken for analysis. And the Secondary Effluent Treatment Plant (SETP) taken offline as used condensate does make its way to the SETP together with mill effluent, and it was possible odours compounds were being stripped from the SETP cooling towers. By 10:30 there was no longer a strong odour in the Fibreline." Note: Full incident report available.
310	Mondi - Candice Webb responded (2025/09/01 12:44): Source of Odour: Non-condensable gas system - gas flow. NOTE: Incident investigation report available. 3. Metrological Conditions RBCAA Brakenham monitoring station Average wind direction at Beckenham station prior to the complaint =230O Average wind speed = 1.2m/s. Brakenham monitoring station is chosen to display meteorological data as it is the RBCAA monitoring station which is situated closest to Mondi. Calculation of Impacts: Mondi Monitoring Stations No ambient TRS exceedances recorded at Mondi monitoring stations both prior and at the time of the complaint. Description of Incident: Mondi standby Environmental Manager received notification of an odour complaint from the RBCAA at 22:40, and Mondi commenced with an investigation. As a precaution the standby environmental manager requested the shutdown of the Mondi Secondary Effluent Treatment Plant (SETP) at 22:44. Plant checklists were conducted by the area operators, and respective plant standby engineers as well as the standby Environmental Manager immediately after the complaint was received. However, no deviations were identified. It was noted that ambient TRS at Richardia monitoring station had reduced back within acceptable TRS levels by 22:36. The following morning the Environmental Manager conducted a review of online odour related dashboards and trends. It was noted that the gas flow from the Evaporation plant increased at the same time of the ambient TRS recorded at the Richardia station.
311	Mondi - Candice Webb responded (2025/09/02 15:23): Source of Odour: Secondary Effluent Treatment Plant. RBCAA Brackenham monitoring station Average wind direction at Brackhenham station prior to the complaint =238O Average wind speed = 3.2m/s "...Based on the description of the odour, Mondi suspected the effluent plant may be a contributing factor and requested the Secondary Effluent Treatment Plant (SETP) was taken offline. The Environmental Manager suspected the SETP as a Heat Exchanger used to cool Mondi effluent was offline for maintenance. Although effluent temperature at the time (54 degrees) was within the internal limit of 56 degrees to minimise odour, it was elevated and a potential factor. The shift coordinator also confirmed that in his checks the SETP did have a strong smell. With assistance from the RBCAA, the complainant confirmed at 20:17 that the odour had improved."
312	RBCT - Thobile Nkosi (2025/09/04 13:37): "...The investigation covered detailed check air quality data from the day before, meteorological conditions over the period, and effectiveness of RBCT dust mitigation measures applied during the period. - NB: RBCT and the Richards Bay Area predominant winds are North easterlies and South Westerlies. The following controls were operational before and after the incident reported. - Two overhead water sprays are activated to wet the coal before it gets to a tippler cage. - All tippler water sprays were operational, which automatically release pressurized water to capture dust particles before coming out of a tippler pit. - The rain guns are activated three a day (morning ,afternoon and early evening) to suppress dust. - RBCT conveyors are semi enclosed by wind guards to minimize the dispersion of coal dust from the conveyor by the wind. - Water tankers spray the roads during high traffic movement and in areas where water sprays are not fitted. - A road sweeper cleans affected roads and the quayside according to a planned schedule. - RBCT mist canon was used in the process of cooling hot coal stockpiles. Conclusion: Based on the assessment of wind speed, direction, and Particulate Matter (PM₁₀) monitoring results from 30th August to 01st September 2025, it is concluded that RBCT is not responsible for the complaints. - RBCT's stringent dust mitigation measures are evidenced by a 100% compliance rate with National Dust Fallout Regulations over the past twelve months, highlighting the effectiveness of our environmental management practices. - RBCT is concerned by the nature of these complaints and their potential impact on the community, the environment and is committed to ongoing efforts to mitigate dust levels.

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313	TPT - Cher Lawrence (2025/09/04 14:35): In response to the below complaint, TPT has investigated and there were no abnormal activities taking place on site. Based on an assessment of wind speed and direction from 30 August and 01 September 2025, it was concluded that TPT is not responsible for the complaint on 30 August 2025, but there is a small chance TPT may have contributed to the complaint on 01 September 2025. Dust suppression mitigation is in place on site.
314	Mondi - Candice Webb responded (2025/09/09 09:465): Source of Odour 2 sources contributing to the complaints: • Secondary Effluent Treatment Plant; and • Switching of non-condensable gases between burning zones RBCAA Brackenham monitoring station Average wind direction at Brackenham station prior to the complaint = 297O Average wind speed = 0.9 m/s Mondi Monitoring Stations; Prior to the first complaint a TRS peak of 42.4 ppb was recorded at 06:20 at the Mondi Alton monitoring station. An additional peak of 6.1 ppb was recorded at 07:50 The Mondi shift coordinator responded to an ambient TRS alert from the Mondi Alton. Monitoring station and shut the Secondary Effluent Treatment Plant (SETP) off at 04:03 on Thursday morning. The decision was made to shut the SETP as the Alton monitoring station is situated within 500meters of the SETP provides a good indication of SETP related odour. Odour levels began to reduce, however, reports of a strong egg smell coming from effluent plant were still reported by employees driving into work at 06h00. Based on wind direction and wind speed, this is the most likely source of the complaints numbered 1 and 2. Hardwood gases were in the Recovery Boiler 1 Flare (Secondary burning zone) for incineration, the operator noticed that TRS was escalating, TRS - 9ppm (Limit is 15ppm) and moved the gases into the Recovery Boiler (Tertiary burning zone) at 02:32 switched the gases into the Lime Kiln (Primary burning zone) for incineration. It was later determined that the increasing Flare TRS was because of a drifting analyser baseline. This was rectified on the morning shift. At 08:39 the operator determined that the Lime Kiln (Primary burning zone) was stable and switched the gases from the Recovery Boiler into the Lime Kiln for incineration. Based on wind direction, wind speed and the description of the odour complaint at 09:03, this switch is possibly a contributing source to the Veldenvlei complaint. After in plant investigations, the odour abatement task team convened at 10:30 to discuss potential root cause. It was noted that during the switching event, that no valves or bursting disks opened or failed allowing gases to escape to atmosphere. However, it was identified that there is a potential release to atmosphere, as the system is designed to purge itself of any residual gases before switching to the new burning zone. Mondi is now investigating possible challenges with the system designed to handle the residual gases. This is the most likely source of complaint number 3. Corrective Actions: • The Secondary Effluent Treatment Plant was taken offline between 04:00 and 07:00 and again between 09:17 and 12:07. • Recovery Boiler 1 Flare TRS analyser was checked internally and baseline corrected. Analyser OEM was called to site, and analyser was calibrated on 08 September 2025. • Further investigation in progress on venting during the switching of burning zones.
315	South 32 -Londiwe Molebale responded (2025/09/17 10:38): Event Description The alumina material spilled on top of 55kt silo while the alumina vessel was being offloaded to the silo due to the block chute that was experienced during the offloading of the vessel. Investigation Why? The chute on top of 55kt silo was blocked with Alumina. Why? Inside the air slides that supply the silo with material from the distribution, the alumina was not moving freely. Why? The fluidizing air that is supplied by Fan (NFA-002) had insufficient pressure to fluidize the airslide and spider legs. Why? The fan is faulty. Root Cause There was material blocking the chute on top of the 55-kt silo distribution bin. The material began to pour out of the bin causing spillage on top of the silo Key Contributing Factor The fluidizing system that is supplied by NFA-002 is not giving enough pressure to fluidize the airslide and spider legs systems
316	South 32 -Londiwe Molebale responded (2025/09/17 10:42): Investigation To determine the reason of the dust fallout into the adjacent areas, the logistics production team and the cleaning team performed an investigation in which the incident was discussed, and the subsequent steps were examined.: • Commencement of the long belt cleaning • The wind direction during the cleaning • The amount of material cleaning during that period • The structure condition: openings on the walkways and side cladding INVESTIGATION FINDINGS

Response ID	Industry Feedback
	During the event, the crew was cleaning along Belt 10. It was a routine task to clear dust from the pathway and structure. It was subsequently discovered that the structure had openings along the Belt, resulting in Alumina material leaking through. Furthermore, the strong winds caused the material to be scattered into the surrounding area.
317	RBIDZ - Sethabile Gcume (2025/09/17 15:56): Root Cause(s) Between Sep 2024 and Feb 2025, a civil engineering contractor undertook site clearance work on the northern portions of the Phase 1F property in preparation for the construction of the Nyanza Metals Pigment Plant (NEMA EIA Ref: DC28/0010/2022 – EA issued in June 2023). Due to the delay in the commencement of construction of the said plant, the exposed soils are vulnerable to erosion from wind as well as excessive dust fallout. On the 3rd of September 2025, Richards Bay experienced strong winds, making dust suppression challenging throughout the day. Corrective Actions A contractor has been appointed to manage the dust problem. An additional water tanker will be sourced. Key Learnings Proactively implement erosion control measures to avoid negative environmental impacts.
318	RBCT - Thobile Nkosi (2025/09/17 15:01): RBCT received external complaints from Richards Bay Clean Air Association regarding coal dust emissions on 1st ,6th ,9th and 12th SEPTEMBER 2025. • RBCT initiated the investigation with an objective to establish whether RBCT operations contributed to the complaints and to confirm compliance with National Environmental Management : Air Quality Act and National Dust Regulations. • The investigation covered detailed check air quality data from the 1st to 13th September, meteorological conditions over the period, and effectiveness of RBCT dust mitigation measures applied during the period. • NB: RBCT and the Richards Bay Area predominant winds are North easterlies and South Westerlies. • The following slides covers the key findings. 1-13 SEPTEMBER 2025 North East PM_{2.5} 1-13 SEPTEMBER SOUTH WEST PM₁₀ Based on the assessment of wind speed, direction, Particulate Matter (PM₁₀) and (PM_{2.5}) monitoring results from 1st to 13th September 2025, it is concluded that RBCT is not responsible for the complaints. • RBCT's stringent dust mitigation measures are evidenced by a 100% compliance rate with National Dust Fallout Regulations over the past twelve months, highlighting the effectiveness of our environmental management practices. • RBCT is concerned by the nature of these complaints and their potential impact on the community, the environment and is committed to ongoing efforts to mitigate dust levels.
319	Grindrod- Sibahle Dladla responded (2025/09/18 16:25): ROOT CAUSE OF INCIDENT Rhus Lancea, Nyalaberry Arboretum Extension is located East-Northeast of Navitrade and North-East of Kusasa. Aquadene, Essenwood and Heideheuvel, Veldenvlei is situated North Northeast of Navitrade and Northeast of Kusasa. These residential areas are likely to be affected by Southerly winds (SW -SSW) from our terminals. On the 1st of September the wind was blowing 4.1m/s Southwest. Even though the wind was South Westley on that day we were within our limit as there were no exceedances recorded for the particulate matter. On the 6th of September the wind was blowing 2.2 m/s South. No exceedances. On the 9th of September the wind was blowing 3.1m/s North Northeast. No exceedances. On the 14th of September the wind was blowing 2.3 m/s Southwest. Even though the wind was South Westley on that day we were within our limit as there were no exceedances recorded for the particulate matter. CONCLUSION Upon conducting investigation, it is unlikely that the coal dust came from the Grindrod coal handling terminals.
320	RBCAA - Sandy Camminga (2025/09/19 07:43): Complaints submitted to CoU.
321	RBCAA - Sandy Camminga (2025/09/23 08:13): Complaints submitted to CoU. "...Below that are communications relating to actions by CoU, which is nothing other than the complaints being forwarded between departments."
322	RBCAA - Sandy Camminga (2025/09/26 13:57): Complaints submitted to CoU
323	RBCT - Thobile Nkosi (2025/09/29 15:19): RBCT received external complaints from Richards Bay Clean Air Association regarding coal dust emissions on 25th September 2025. • RBCT initiated the investigation with an objective to establish whether RBCT operations contributed to the complaints and to confirm compliance with National Environmental Management : Air Quality Act and National Dust Regulations. • The investigation covered detailed check air quality data from the 24th to 26th September, meteorological conditions over the period, and effectiveness of RBCT dust mitigation measures applied during the period. • NB: RBCT and the Richards Bay Area predominant winds are North easterlies and South Westerlies. 24th -26th SEPTEMBER 2025 North East PM₁₀, no exceedances. 24th – 26th SEPTEMBER 2025 North East PM_{2.5}, no exceedances. 25th – 26th SEPTEMBER SOUTH WEST PM₁₀, no exceedances. 24th – 26th SEPTEMBER SOUTH WEST PM_{2.5}, no exceedances. RBCT CURRENT DUST MITIGATION MEASURES: The following controls were operational before and after the incident reported. • Two overhead water sprays are activated to wet the coal before it gets to a tippler cage. • All tippler water sprays were operational, which automatically release pressurized water to capture dust particles before coming out of a tippler pit. • The rain guns are activated three a day (morning ,afternoon and early evening) to suppress dust. • RBCT conveyors are semi enclosed by wind guards to minimize the dispersion of coal dust from the conveyor by the wind. • Water tankers spray the roads during high traffic movement and in areas where water sprays are not fitted. • A road sweeper cleans affected roads and the quayside according to a planned schedule.

Response ID	Industry Feedback
	• RBCT mist canon was used in the process of cooling hot coal stockpiles. CONCLUSION Based on the assessment of wind speed, direction, Particulate Matter (PM₁₀) and (PM_{2.5}) monitoring results from 24th to 26th September 2025, it is concluded that RBCT is not responsible for the complaints. • RBCT's stringent dust mitigation measures are evidenced by a 100% compliance rate with National Dust Fallout Regulations over the past twelve months, highlighting the effectiveness of our environmental management practices. • RBCT is concerned by the nature of these complaints and their potential impact on the community, the environment and is committed to ongoing efforts to mitigate dust levels.
324	Grindrod- Sibahle Dladla responded (2025/09/29 16:15): ROOT CAUSE OF INCIDENT Heideheuvel, Veldenvlei is situated North Northeast of Navitrade and Northeast of Kusasa. These residential areas are likely to be affected by Southerly winds (SW -SSW) from our terminals. On the 25th of September the wind was blowing 2.5 m/s Southwest. On that day in which the complaint was logged we were within our limit as there were no exceedances recorded for the particulate matter CONCLUSION Upon conducting investigation, it is unlikely that the coal dust came from the Grindrod coal handling terminals. Grindrod Terminals is regularly ensuring dust suppression on site to minimise dust dispersion.
325	Department of Water and Sanitation – KZN- Ziyanda Malibiji responded (2025/09/29 16:22): The Department of Water and Sanitation is still awaiting the City's response on this matter. The overflow of untreated effluent from the sewer reticulation infrastructure pollutes or poses a threat to surface and underground water resources within the vicinity. Your attention is drawn to Section 19 of the National Water Act, 1998 (Act No.36 of 1998) which states: "(1) An owner of land, a person in control of land or a person who occupies or uses the land on which- (a) any activity or process is or was performed or undertaken; or (b) any other situation exists, which causes, has caused or is likely to cause pollution of a water resource, must take all reasonable measures to prevent any such pollution from occurring, continuing or recurring." As such, the responsibility rests with the City of uMhlathuze Local Municipality to identify the source of pollution from its undertaking and to take appropriate measures to prevent pollution of the environment and water resources. Failure to comply with the requirements of the National Water Act, 1998 (Act No. 36 of 1998) could lead to legal action being instituted against the municipality. This Department wishes to make it clear that the instructions contained in my email dated 19 September 2025 are made in the interest of responsible water resource management and with a view to co-operative resolution of the issue. Looking forward to your response in this regard. CoU-DWS -Jackie Lourens responded (2025/09/29 16:22): Investigation and findings: The Electro-Mechanical maintenance team has conducted the investigation at the pump station for possible fault and diagnose the possible cause/s. The pump station is currently not operational, there is sewerage inside the pump station yard and the manhole at the entrance to the pump station is overflowing. Both pumps failed after the power supply interruption around the area. The following possibilities, that lead to pump failure, were not ruled out as part of the brainstorming methodology: - Sludge build up inside the pump station sump, - Type of pump installation used - o Life span of the pumps version flygt 3300, new version flygt 3301 - o MCC Panel condition, - o Motor protection, - Overcurrent and inrush current in power supplies - Foreign and heavy objects entering into the sewerage system, - Load shedding by Eskom NOTE: Full report available RBCAA Allocation- Sandy Camminga (2025/10/05 18:32) RBCAA Communication - Sandy Camminga (2025/10/09 08:33)The RBCAA has formally notified the authorities (Jacqueline Lourens) of the numerous complaints.
326	Mondi - Candice Webb responded (2025/10/16 12:53): Source of Odour: Non-condensable gas system – gases tripped out primary burning zone and vented to atmosphere. Mondi Monitoring Stations The following exceedances were recorded at Mondi monitoring stations before or during the time of the complaint. • 6.4 ppb at 21:20 UVS Station • 6.8 ppb at 21:50 Hytec Station • 7.3 ppb at 22:40 UVS Station
327	Mondi - Candice Webb responded (2025/10/16 13:00): Source of Odour: Unconfirmed source within Mondi
328	Mondi - Candice Webb responded (2025/10/16 14:45): Source of Odour: Secondary Effluent Treatment Plant. Mondi Environmental Specialist received notification of odour complaint from the RBCAA at 21:18 and commenced with an investigation. In discussion with the Shift Coordinator, an investigation had already commenced on site due to elevated Alton station TRS readings. All point source emissions found to be well within specification. The hardwood and softwood gasses were stable in the Recovery Boiler for incineration. Area operators undertook plant specific odour checks and investigated any possible leaks, no deviations identified were found in the non-condensable gas system. However, operators reported there

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	was a strong odour from the Mondi Secondary Effluent Treatment Plant (SETP) which aligned with ambient TRS at the mobile station and Alton station. The SETP was taken offline as a result. Ambient TRS began to improve shortly afterwards.
329	Tongaat Hulett - Nicolas Govender responded (2025/10/16 13:41 via Whatsapp): Having an issue on Boiler 1 with one of the SA fans. This affected combustion in the furnace, guys are working on, it will be resolved in about 15min. Tongaat Hulett - Nicolas Govender responded (2025/10/30 15:35): Findings on Complaint: Motor failure on Boiler 1 SA fan, this reduced the airflow into the boiler, causing poor combustion. Boiler stabilized under 30 mins. Corrective Action: - Stabilized Boiler 1 by lowering the load. - Replace defective motor.
330	Tongaat Hulett - Nicolas Govender responded (2025/10/24 11:57 via WhatsApp): "Possible sugar dust. I have requested the Ops to flush the scrubbers which will reduce that." Tongaat Hulett - Nicolas Govender responded (2025/10/30 13:32): Findings on Complaint - Boilers were found to be stable, the stacks were white and normal with no after trail of smoke. - There was a heavy SW wind blowing, this takes it directly to the village. - We also flushed the scrubbers at the sugar driers, which may have been emitting fine sugar dust. - There was a haze observed all around the area, not only in Felixton. Pics sent to the RBCAA. Root Cause: None from the Boilers. Saturated scrubber water that possibly contributed to fine sugar dust. Corrective action: Flushed the scrubbers with condensate to improve efficiency.
331	Tongaat Hulett - Nicolas Govender responded (2025/10/27 18:13 via WhatsApp): "This was due to the incomplete combustion because the bagasse quality (a bit wet). Team made adjustments on scrubbing water to accommodate the situation. Tongaat Hulett - Nicolas Govender responded (2025/10/27 18:14 via WhatsApp): Adjustments made, should clear up in few minutes. Today was also a steam stop so we started up boilers from low. Tongaat Hulett - Nicolas Govender responded (2025/10/30 13:32): Findings on Complaint: There was incomplete combustion in the furnace due to bagasse quality. Bagasse was wet. Root cause: Wet bagasse caused poor combustion in the furnace. Corrective action: Adjust was made to improve combustion in the furnace. Adjustments was made to improve quality of bagasse coming from the mills.
332	Mondi - Candice Webb responded (2025/10/20 15:53): Source of Odour: No source confirmed 3. Metrological Conditions RBCAA Brackenhams monitoring station: Average wind direction at Beckenham station prior to the complaint = 272°. Brackenhams monitoring station is chosen to display meteorological data as it is the RBCAA monitoring station which is situated closest to Mondi. 4. Calculation of Impacts Mondi Monitoring Stations No ambient TRS exceedances according to WHO limit of 5 ppb. RBCAA Monitoring Stations. No ambient TRS exceedances according to WHO limit of 5 ppb. CBD station recorded a minor TRS peak of 2.1 ppb at 06:57. Average wind speed = 1.1 m/s Description of Incident Mondi Environmental Specialist received notification of odour complaint from the RBCAA at 07:04 and commenced with an investigation. All point source emissions found to be well within specification. The hardwood and softwood gasses were stable in the Recovery Boiler for incineration. Area operators undertook plant specific odour checks and investigated any possible leaks, no deviations identified were found in the non-condensable gas system. More detailed investigations into the NCG system will be conducted during the annual shut.
333	RBCAA - Sandy Camminga (2025/12/01 07:59): The above complaints are attributed to a fire at the Grindrod Valley Terminal sulphur store, which also resulted in extremely high SO ₂ levels being recorded at the RBCAA Richardia Station. We await the investigation report from Grindrod.
334	RBCAA Allocation- Sandy Camminga (2025/12/02 15:30) South 32 -Londiwe Molebale responded (2025/12/09 09:09): Dust emissions exceeding the daily emission limit recorded on the day of the event. GTC 3 four filters (1,5,7, and 11) consistently emitting dust just above average (>50%) due to filter bag leaks. Filter bags partially damaged (holes identified). Investigation on the premature failure of the filter bags is still on going.
335	South 32 -Londiwe Molebale responded (2025/12/03 16:09): On the 21st of November 2025 an abnormal stack emission occurred at Gas Treatment Centre 3 (GTC3). The incident resulted in elevated dust/particulate release beyond normal operating levels as five filters were emitting >75% dust consistently on the day of the occurrence including the day prior, consequently resulting in external complaints. Investigation Why? High dust particulate resulting in visible stack emission Why? GTC 3 five filters (3,7,9, 10 and 11) consistently emitting dust due to several filter bag leaks Why? Filter bags were found to be damaged (holes identified) GTC 3 filter bag conversion from 29 channel bags to extended surface area bags was done approximately 12 months ago. Premature failure on Filter 3,7,9,10 and 11 is currently being investigated through data analysis. Contributing Factor: A crane utilized during bag replacement was on prolonged breakdown due to a failure on the short travel and weight cable which led to a delayed response in terms

Response ID	Industry Feedback
	of replacing leaking/damaged filter bags. Root Cause: Damaged/leaking filter bags. Corrective Action: Crane breakdown was resolved and all filter bags with leaks at GTC 3 changed.
336	Mondi - Candice Webb responded (2025/10/20 15:53): Source of odour: Secondary treatment Plant. All point sources of emission are found to be well within specification. The hardwood and softwood gases were stable during incineration. Area operators took plant specific odour checks and investigated any possible leaks; no deviation identified were found in the non condensable gas system. Based on the description of the odour, Mondi suspected the effluent plant may be a contributing factor and requested the Secondary Effluent Plant (SEPT) was taken offline (between 9:12 and 11:33).
337	RBCAA Allocation- Sandy Camminga (2025/12/08 21:34) RBCAA Communication - Sandy Camminga (2025/10/09 08:33)The RBCAA has formally notified the authorities (Jacqueline Lourens) of the numerous complaints.
338	South 32 -Londiwe Molebale responded (2025/12/09 09:07): On the 30th of November 2025 an abnormal stack emission occurred at Gas Treatment Centre 3 (GTC3). The emission was visibly noticeable from the stack and persisted for a period of one day. The incident resulted in elevated dust/particulate release beyond normal operating levels as five filters were emitting >90% dust consistently on the day of the occurrence. Why? High dust emissions exceeding the daily emission limit compromising the health of employees and community members. GTC 3 five filters (1,5,7,9, and 10) consistently emitting dust due to filter bag leaks. Filter bags damaged (holes identified). Investigation on the premature failure of the filter bags is still on going.
339	Tongaat Hulett - Nicolas Govender responded (2025/12/10 09:11): Findings on Complaint: Smoke was observed over the Felixton village and the school. There was a SSW wind at the time of the complaint. Compliance with Permits: None. Root cause: We had experienced a mechanical failure in the furnace of Boiler 2, this triggered the other boilers to over feed and cause poor combustion intermittently in the furnace. Corrective action: Adjustments were made to improve combustion in the furnace. - Boiler 2 grate to be repaired.
340	Mondi - Candice Webb responded (2025/12/18 08:45): Source of Odour: No root cause could be identified within Mondi. 3. Metrological Conditions: RBCAA Brackenhams monitoring station. Average wind direction at Brackenhams station prior to the complaint =249O Average wind speed = 4.4m/s. Mondi Monitoring Stations: No exceedances recorded at the Mondi monitoring stations prior to the time of the complaint. No ambient TRS exceedances associated with Mondi were recorded at the RBCAA stations. Mondi Environmental Manager received notification of odour complaint from the RBCAA at 09:15 and an investigation was undertaken.. All point source emissions found to be well within specification. The hardwood and softwood gasses were stable during incineration. Area operators undertook plant specific odour checks and investigated any possible leaks, no deviations identified were found in the noncondensable gas system. Production engineers then undertook further verification checks with no deviations identified. The Secondary Effluent Treatment Plant (SETP) was also checked with no deviations to effluent temperature, pH control or quality of the effluent identified. Mondi did note an increase in ambient TRS at the CBD station between 06:45 and 07:35, however these levels did not exceed the WHO guideline limits for odour. No root cause could be identified within Mondi. RBCAA Allocation - Sandy Camminga (2025/12/19 07:03) : Please allocate this complaint to "unknown source".
341	RBCAA Allocation- Sandy Camminga (2026/01/12 16:19) : The above complaints together with photographic evidence were submitted to South32 via WhatsApp.
342	South 32 -Londiwe Molebale responded (2026/01/12 16:41): Event description: Each filter if fitted with dust emission analyser which is used to identify the filter leaking bags. During the period of the 13th to the 29th of December 2025, all 65 dust emission on all filters flat-lined, implying that these instruments stopped working, with no real time data. Furthermore, bag leaks investigation was taking too long resulting in some days to have visible stack emissions in the Gas Treatment Centers. Incident investigation: Why? High dust particulate resulting in visible stack emission on all emission stacks Why? Multiple filters on all GTCs had bags that were leaking. Why? All filter bags were found to be damaged (holes identified). Root cause: Dust emission analysers were offline due to a power cut, resulting in loss of bag leak detection. This led to delayed identification of leaking filter bags across all five GTCs and multiple filters. Corrective action: Inspected and replaced damaged filter bags Production Execution Team Complete Controller for the dust emission analysers repaired and power reset. Preventative Action: Re-instating an alternative dust emission monitoring system to prevent recurrence (tube method) as a back-u

APPENDIX G

PM₁₀ EXCEEDANCE LOG

Table 1: PM₁₀ Exceedances

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
			January 2025						
2	PM ₁₀ Daily WHO Limit (45 µg/m³)	CBD	2025/01/01 00:00	46	216	3.1	No response required	None	2
1	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/01/12 0:00	56.0	189	3	No response required	None	2
			February 2025						
1	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/02/14 0:00	54.0	244	2.7	No response required	None	2
2	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/02/06 0:00	53.0	192	3.6	No response required	None	2
			March 2025						
1	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/03/10 0:00	48.0	247	5.3	No response required	None	2
2	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/03/14 0:00	56.0	170	3.3	No response required	None	2
			April 2025						
1	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/04/10 0:00	48.0	224	4.1	No response required	None	2
2	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/04/14 0:00	69.0	231	4.3	No response required	None	2
			May 2025						
1	PM ₁₀ Daily WHO Limit (45 µg/m³)	eSikhaleni	2025/05/08 0:00	46.0	12	0.9	No response required	None	2
2	PM ₁₀ Daily WHO Limit (45 µg/m³)	eSikhaleni	2025/05/18 0:00	49.0	272	1.2	No response required	None	2
3	PM ₁₀ Daily WHO Limit (45 µg/m³)	eSikhaleni	2025/05/29 0:00	53.0	37	2.3	No response required	None	2
4	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/05/13 0:00	46.0	345	1.9	No response required	None	2
5	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/05/18 0:00	50.0	275	2.3	No response required	None	2
6	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/05/21 0:00	66.0	228	6.1	No response required	None	2
7	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/05/22 0:00	59.0	246	4.1	No response required	None	2
8	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/05/29 0:00	50.0	11	3	No response required	None	2
9	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/05/30 0:00	51.0	254	3.5	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
10	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/05/08 0:00	60.0	335	1.2	No response required	None	2
11	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/05/09 0:00	48.0	2	2.7	No response required	None	2
12	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/05/13 0:00	55.0	322	1.3	No response required	None	2
13	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/05/18 0:00	51.0	266	1.5	No response required	None	2
			June 2025						
1	PM ₁₀ Daily WHO Limit (45 µg/m³)	eSikhaleni	2025/06/07 0:00	51.0	33	1.9	No response required	None	2
2	PM ₁₀ Daily WHO Limit (45 µg/m³)	eSikhaleni	2025/06/17 0:00	47.0	354	0.9	No response required	None	2
3	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/06/08 0:00	50.0	301	3.8	No response required	None	2
4	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/06/10 0:00	48.0	260	4.9	No response required	None	2
5	PM₁₀ Daily RSA Limit (75 µg/m³)	Richardia	2025/06/11 0:00	76.0	223	6.2	Transnet Port Terminals	High wind speeds, S/SE	12, 13
6	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/06/11 0:00	76.0	223	6.2	No response required	None	2
7	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/06/17 0:00	49.0	356	2	No response required	None	2
8	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/06/18 0:00	54.0	244	3.1	No response required	None	2
9	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/06/20 0:00	46.0	267	2.7	No response required	None	2
10	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/06/21 0:00	46.0	251	3.1	No response required	None	2
11	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/06/23 0:00	47.0	312	2.5	No response required	None	2
12	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/06/26 0:00	49.0	291	4.1	No response required	None	2
13	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/06/03 00:00	47	264	1.5	No response required	None	2
14	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/06/03 0:00	47.0	264	1.5	No response required	None	2
15	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/06/17 0:00	54.0	341	0.9	No response required	None	2
16	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/06/23 0:00	48.0	280	1.6	No response required	None	2
17	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/06/28 0:00	49.0	353	2.4	No response required	None	2
			July 2025						
1	PM ₁₀ Daily WHO Limit (45 µg/m³)	eSikhaleni	2025/07/10 0:00	47.0	33	2.5	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
2	PM ₁₀ Daily WHO Limit (45 µg/m³)	eSikhaleni	2025/07/11 0:00	68.0	14	2.2	No response required	None	2
3	PM ₁₀ Daily WHO Limit (45 µg/m³)	eSikhaleni	2025/07/31 0:00	46.0	21	4.9	No response required	None	2
4	PM ₁₀ Daily WHO Limit (45 µg/m³)	Felixton	2025/07/16 0:00	47.0	197	1.4	No response required	None	2
5	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/07/11 0:00	50.0	9	3	No response required	None	2
6	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/07/03 0:00	49.0	16	4.3	No response required	None	2
7	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/07/11 0:00	51.0	12	3.1	No response required	None	2
8	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/07/15 0:00	47.0	334	1.3	No response required	None	2
9	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/07/16 0:00	59.0	3	1.4	No response required	None	2
			August 2025						
1	PM ₁₀ Daily WHO Limit (45 µg/m³)	CBD	2025/08/29 0:00	47.0	26	3.5	No response required	None	2
2	PM ₁₀ Daily WHO Limit (45 µg/m³)	CBD	2025/08/30 0:00	68.0	233	4.1	No response required	None	2
3	PM ₁₀ Daily WHO Limit (45 µg/m³)	CBD	2025/08/31 0:00	49.0	8	2.4	No response required	None	2
4	PM ₁₀ Daily WHO Limit (45 µg/m³)	eSikhaleni	2025/08/28 0:00	49.0	29	2.1	No response required	None	2
5	PM ₁₀ Daily WHO Limit (45 µg/m³)	eSikhaleni	2025/08/30 0:00	47.0	240	3.8	No response required	None	2
6	PM ₁₀ Daily WHO Limit (45 µg/m³)	eSikhaleni	2025/08/31 0:00	49.0	11	2.4	No response required	None	2
7	PM ₁₀ Daily WHO Limit (45 µg/m³)	Felixton	2025/08/23 0:00	69.0	286	2.6	No response required	None	2
8	PM ₁₀ Daily WHO Limit (45 µg/m³)	Felixton	2025/08/28 0:00	47.0	57	2.8	No response required	None	2
9	PM ₁₀ Daily WHO Limit (45 µg/m³)	Felixton	2025/08/29 0:00	48.0	53	3.6	No response required	None	2
10	PM ₁₀ Daily WHO Limit (45 µg/m³)	Felixton	2025/08/30 0:00	63.0	239	3.7	No response required	None	2
11	PM ₁₀ Daily WHO Limit (45 µg/m³)	Felixton	2025/08/31 0:00	48.0	212	2.8	No response required	None	2
12	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/08/01 0:00	51.0	213	6.2	No response required	None	2
13	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/08/04 0:00	46.0	19	4.5	No response required	None	2
14	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/08/21 0:00	53.0	255	3.4	No response required	None	2
15	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/08/23 0:00	46.0	280	2.8	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
16	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/08/25 0:00	52.0	27	3.8	No response required	None	2
17	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/08/27 0:00	47.0	29	3.3	No response required	None	2
18	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/08/28 0:00	54.0	24	2.8	No response required	None	2
19	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/08/30 0:00	66.0	228	4.2	No response required	None	2
20	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/08/31 0:00	51.0	334	3	No response required	None	2
21	PM₁₀ Daily RSA Limit (75 µg/m³)	Scorpio	2025/08/05 00:00	149	24	6.6	Bush Fire	Bush Fire	14
22	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/08/05 00:00	149	24	6.6	No response required	None	2
23	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/08/28 0:00	57.0	18	2.7	No response required	None	2
24	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/08/29 0:00	55.0	29	3.8	No response required	None	2
25	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/08/30 0:00	71.0	229	3.8	No response required	None	2
26	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/08/31 0:00	59.0	337	2.5	No response required	None	2
			September 2025						
1	PM ₁₀ Daily WHO Limit (45 µg/m³)	eSikhaleni	2025/09/05 0:00	46.0	59	2.8	No response required	None	2
2	PM ₁₀ Daily WHO Limit (45 µg/m³)	eSikhaleni	2025/09/11 0:00	55.0	39	4.6	No response required	None	2
3	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/09/01 0:00	63.0	223	5.3	No response required	None	2
4	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/09/03 0:00	74.0	247	4.8	No response required	None	2
5	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/09/05 0:00	49.0	35	3.4	No response required	None	2
6	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/09/08 0:00	52.0	236	3.1	No response required	None	2
7	PM₁₀ Daily RSA Limit (75 µg/m³)	Richardia	2025/09/11 0:00	76.0	16	4.3	Regional Fires	RBCAA allocation	15, 17
8	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/09/11 0:00	76.0	16	4.3	No response required	None	2
9	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/09/16 0:00	48.0	195	4.1	No response required	None	2
10	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/09/22 0:00	63.0	65	5.4	No response required	None	2
11	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/09/02 0:00	49.0	31	2.4	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
12	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/09/03 0:00	46.0	237	4.7	No response required	None	2
13	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/09/08 0:00	46.0	240	2.5	No response required	None	2
14	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/09/09 0:00	47.0	21	3.1	No response required	None	2
15	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/09/11 0:00	58.0	28	5.3	No response required	None	2
16	PM₁₀ Daily RSA Limit (75 µg/m³)	Scorpio	2025/09/16 0:00	89.0	192	3.5	South32	Planned maintenance. Furnaces venting.	16, 18
17	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/09/16 0:00	89.0	192	3.5	No response required	None	2
18	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/09/22 0:00	49.0	74	5.5	No response required	None	2
			October 2025						
1	PM ₁₀ Daily WHO Limit (45 µg/m³)	CBD	2025/10/11 0:00	48.0	232	3.1	No response required	None	2
2	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/10/11 0:00	47.0	234	3.4	No response required	None	2
3	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/10/24 0:00	52.0	260	3.8	No response required	None	2
4	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/10/11 0:00	50.0	221	3.4	No response required	None	2
5	PM ₁₀ Daily WHO Limit (45 µg/m³)	Scorpio	2025/10/12 0:00	52.0	219	2	No response required	None	2
			November 2025						
1	PM ₁₀ Daily WHO Limit (45 µg/m³)	Richardia	2025/11/15 0:00	59.0	235	5.4	No response required	None	2
			December 2025						

Table 2: PM₁₀ Responses

Response	Industry Feedback
1	Unresolved / No Response
2	No response required / Allocated by wind direction
12	Mondi - Kira Cobbold responded, (2025/06/13 08:38): Mondi has investigated the PM ₁₀ exceedance at Richardia on 11/06 and based on the south westerly wind direction is unlikely the source of the exceedance.
13	TPT - Cher Lawrence responded, (2025/07/24 09:25): "...I can confirm that we did experience abnormally high wind speeds, S/SE on that day and time. It is possible that TPT may have contributed to the exceedance in PM ₁₀ recorded. Please note that TPT have several environmental related projects in progress, some which focus specifically on dust mitigation. The terminal is attacking the issue of dust from various angles. These are medium term projects and TPT will continue to implement the dust mitigation methods currently available on site."
14	RBCAA - Sandy Camminga responded (2025/08/06 11:52): The exceedance below is attributed to a bush fire in close proximity to the Scorpio station.
15	Mondi - Kira Cobbold responded, (2025/09/16 08:18): Mondi has investigated the PM ₁₀ exceedance at Richardia on 11/09 and based stable mill operations, stack emissions within specification, and the high wind speeds observed, Mondi is unlikely the source.
16	Mondi - Kira Cobbold responded, (2025/09/22 09:42): Mondi has investigated the PM ₁₀ exceedance at Scorpio and, given the planned mill shutdown from 15–17 September as communicated with the authorities, Mondi is unlikely to have been the source.
17	RBCAA Allocation -Sandy Camminga (2025/10/06 15:20)
18	South32 - Molebale, Londiwe responded, (2025/10/09 17:07): Hillside Aluminium had a planned maintenance scheduled on FTC 1 for 24 hours on 16 September 2025, FTC 1 was on complete shutdown. As the furnaces were venting there was no treatment, the wind direction on the day was NNE as depicted in the Windrose. This resulted in the PM exceedance noted at Scorpio station on 16 September 2025.

APPENDIX H

PM_{2.5} EXCEEDANCE LOG

Table 1: PM_{2.5} Exceedances

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
			January 2025						
1	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/01/01 00:00	21.0	254	2.8	No response required	None	2
2	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/01/02 00:00	20.0	258	2.3	No response required	None	2
3	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/01/04 00:00	20.0	24	5.3	No response required	None	2
4	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/01/12 00:00	21.0	189	3.0	No response required	None	2
			February 2025						
1	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/02/13 00:00	26.7	321	3.6	No response required	None	2
1	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/02/14 00:00	25.2	292	1.8	No response required	None	2
2	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/02/23 00:00	17.0	240	2.8	No response required	None	2
3	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/02/24 00:00	15.3	254	2.3	No response required	None	2
4	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/02/26 00:00	22.1	230	5.3	No response required	None	2
5	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/02/27 00:00	15.1	246	2	No response required	None	2
6	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/02/09 00:00	16.0	248	2.8	No response required	None	2
7	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/02/13 00:00	17.0	308	2.9	No response required	None	2
7	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/02/14 00:00	19.0	322	2.1	No response required	None	2
8	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/02/13 00:00	19	290	4.5	No response required	None	2
8	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/02/14 00:00	16.0	192	1.6	No response required	None	2
9	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/02/06 00:00	26.0	192	3.6	No response required	None	2
10	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/02/10 00:00	16.0	218	1.8	No response required	None	2
11	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/02/15 00:00	16.0	211	2.3	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
12	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/02/27 00:00	17.0	219	2	No response required	None	2
			March 2025						
1	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/03/07 00:00	23.6	4	2.1	No response required	None	2
2	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/03/08 00:00	18.9	44	1.9	No response required	None	2
3	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/03/10 00:00	22.6	270	3.7	No response required	None	2
4	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/03/11 00:00	17.3	250	3	No response required	None	2
5	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/03/23 00:00	15.4	52	2.8	No response required	None	2
6	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/03/24 00:00	22.2	60	1.7	No response required	None	2
7	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/03/26 00:00	21.0	225	3.5	No response required	None	2
8	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/03/30 00:00	16.1	230	1.9	No response required	None	2
9	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/03/07 00:00	18.0	294	2	No response required	None	2
10	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/03/24 00:00	17.0	46	1.8	No response required	None	2
11	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/03/07 00:00	17.0	216	1.8	No response required	None	2
12	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/03/22 00:00	17.0	35	3.2	No response required	None	2
13	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/03/23 00:00	17.0	34	2.7	No response required	None	2
14	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/03/25 00:00	18.0	28	3.8	No response required	None	2
15	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/03/14 00:00	29.0	170	3.3	No response required	None	2
			April 2025						
1	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/04/01 00:00	19.3	15	8.9	No response required	None	2
2	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/04/02 00:00	17.7	No data	No data	No response required	None	2
3	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/04/08 00:00	15.8	No data	No data	No response required	None	2
4	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/04/09 00:00	19.4	No data	No data	No response required	None	2
5	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/04/10 00:00	20.4	248	4.5	No response required	None	2
6	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/04/13 00:00	20.3	37	2.9	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
7	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/04/14 00:00	25.6	252	3.7	No response required	None	2
8	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/04/17 00:00	19.0	247	2.8	No response required	None	2
9	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/04/20 00:00	16.2	27	1.9	No response required	None	2
10	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/04/21 00:00	17.9	279	1.6	No response required	None	2
11	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/04/13 00:00	20.0	34	2.4	No response required	None	2
12	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/04/14 00:00	19.0	260	2.9	No response required	None	2
13	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/04/01 00:00	17.0	355	4.1	No response required	None	2
			May 2025						
1	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/04 00:00	15.5	325	1.4	No response required	None	2
2	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/06 00:00	32.5	31	2.5	No response required	None	2
3	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/07 00:00	25.7	28	2.7	No response required	None	2
4	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/08 00:00	36.6	22	1.5	No response required	None	2
5	PM_{2.5} Daily RSA Limit (40 µg/m³)	Brackenham	2025/05/09 00:00	40.9	24	2.8	Fires	RBCAA Allocation	35, 42
6	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/09 00:00	40.9	24	2.8	No response required	None	2
7	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/10 00:00	25.3	32	4	No response required	None	2
8	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/11 00:00	27.2	230	5	No response required	None	2
9	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/12 00:00	15.9	9	1.6	No response required	None	2
10	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/13 00:00	31.0	16	1.5	No response required	None	2
11	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/14 00:00	18.6	32	2.8	No response required	None	2
11	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/17 00:00	20.6	23	2.4	No response required	None	2
12	PM_{2.5} Daily RSA Limit (40 µg/m³)	Brackenham	2025/05/18 00:00	47.1	334	1.6	Fires	RBCAA Allocation	36, 42
13	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/18 00:00	47.1	334	1.6	No response required	None	2
14	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/19 00:00	39.3	29	3.3	No response required	None	2
15	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/20 00:00	28.0	30	3.6	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
16	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/21 00:00	25.8	250	4.7	No response required	None	2
17	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/22 00:00	30.7	269	2.6	No response required	None	2
18	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/23 00:00	23.3	7	1.3	No response required	None	2
19	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/24 00:00	19.7	27	1.9	No response required	None	2
20	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/25 00:00	15.7	33	3	No response required	None	2
21	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/26 00:00	25.2	5	1.8	No response required	None	2
22	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/27 00:00	31.7	264	1.7	No response required	None	2
23	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/28 00:00	17.6	20	2.5	No response required	None	2
24	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/29 00:00	39.7	30	3.1	No response required	None	2
25	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/30 00:00	32.6	284	3.2	No response required	None	2
26	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/05/31 00:00	19.7	26	2	No response required	None	2
27	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/05/06 00:00	34.0	32	1.4	No response required	None	2
28	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/05/07 00:00	25.0	24	1.9	No response required	None	2
29	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/05/08 00:00	38.0	320	1.8	No response required	None	2
30	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/05/09 00:00	31.0	293	2.1	No response required	None	2
31	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/05/10 00:00	19.0	64	1.9	No response required	None	2
32	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/05/11 00:00	23.0	233	3.8	No response required	None	2
33	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/05/13 00:00	20.0	203	1.5	No response required	None	2
34	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/05/14 00:00	16	73	2.7	No response required	None	2
34	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/05/17 00:00	22.0	20	1.9	No response required	None	2
35	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/05/18 00:00	35.0	237	2.3	No response required	None	2
36	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/05/19 00:00	27.0	56	2	No response required	None	2
37	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/05/20 00:00	25.0	35	2.7	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
38	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/05/21 00:00	25.0	249	4.4	No response required	None	2
39	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/05/23 00:00	23.0	242	2.4	No response required	None	2
40	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/05/26 00:00	25.0	236	1.6	No response required	None	2
41	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/05/27 00:00	27.0	253	2.9	No response required	None	2
42	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/05/29 00:00	31.0	56	1.9	No response required	None	2
43	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/05/30 00:00	22.0	240	3	No response required	None	2
44	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/05/06 00:00	22.0	8	2.4	No response required	None	2
45	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/05/07 00:00	19.0	20	2.4	No response required	None	2
46	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/05/08 00:00	25.0	335	1.2	No response required	None	2
47	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/05/09 00:00	25.0	2	2.7	No response required	None	2
48	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/05/10 00:00	19.0	13	4.8	No response required	None	2
49	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/05/13 00:00	16.0	322	1.3	No response required	None	2
50	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/05/18 00:00	22.0	266	1.5	No response required	None	2
51	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/05/19 00:00	21.0	22	4.1	No response required	None	2
52	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/05/20 00:00	17.0	8	4.9	No response required	None	2
53	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/05/26 00:00	16.0	318	1.8	No response required	None	2
54	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/05/29 00:00	19.0	7	2.8	No response required	None	2
55	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/05/06 00:00	17.0	8	2.4	No response required	None	2
56	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/05/07 00:00	16.0	20	2.4	No response required	None	2
57	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/05/08 00:00	26.0	335	1.2	No response required	None	2
58	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/05/09 00:00	21.0	2	2.7	No response required	None	2
59	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/05/13 00:00	23.0	322	1.3	No response required	None	2
60	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/05/18 00:00	23.0	266	1.5	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
61	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/05/19 00:00	16.0	22	4.1	No response required	None	2
62	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/05/23 00:00	18.0	296	1.6	No response required	None	2
63	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/05/26 00:00	18.0	318	1.8	No response required	None	2
64	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/05/29 00:00	19.0	7	2.8	No response required	None	2
65	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/05/30 00:00	17.0	244	2.7	No response required	None	2
June 2025									
1	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/01 00:00	34.5	7	1.3	No response required	None	2
2	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/02 00:00	33.3	346	1.3	No response required	None	2
3	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/03 00:00	31.7	295	2	No response required	None	2
4	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/04 00:00	20.5	242	2.9	No response required	None	2
5	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/06 00:00	22.1	34	3.2	No response required	None	2
6	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/07 00:00	35.4	23	3.2	No response required	None	2
7	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/08 00:00	33.8	328	2.8	No response required	None	2
8	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/09 00:00	24.1	276	1.4	No response required	None	2
9	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/10 00:00	16.7	282	2.4	No response required	None	2
10	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/11 00:00	28.0	246	4.1	No response required	None	2
11	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/12 00:00	19.9	289	1.3	No response required	None	2
12	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/13 00:00	16.6	25	1.9	No response required	None	2
13	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/16 00:00	27.2	15	2.4	No response required	None	2
14	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/17 00:00	36.6	20	1.7	No response required	None	2
15	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/18 00:00	29.1	275	2.8	No response required	None	2
16	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/19 00:00	21.8	27	1.8	No response required	None	2
17	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/20 00:00	30.7	310	1.7	No response required	None	2
18	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/21 00:00	19.9	291	1.6	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
19	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/22 00:00	21.7	24	3.1	No response required	None	2
20	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/23 00:00	23.0	350	1.8	No response required	None	2
21	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/24 00:00	17.9	41	2.2	No response required	None	2
22	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/25 00:00	25.6	30	4.5	No response required	None	2
23	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/26 00:00	26.5	11	3.4	No response required	None	2
24	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/27 00:00	31.7	265	2.8	No response required	None	2
25	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/06/29 00:00	23.2	298	1.7	No response required	None	2
26	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/06/01 00:00	25.0	203	1.5	No response required	None	2
27	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/06/02 00:00	24.0	248	2.2	No response required	None	2
28	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/06/03 00:00	20.0	240	2.1	No response required	None	2
29	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/06/04 00:00	20.0	238	3.2	No response required	None	2
30	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/06/06 00:00	19.0	62	2	No response required	None	2
31	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/06/07 00:00	32.0	101	2.2	No response required	None	2
32	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/06/08 00:00	30.0	209	2	No response required	None	2
33	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/06/09 00:00	17.0	254	2	No response required	None	2
34	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/06/16 00:00	24.0	300	2	No response required	None	2
35	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/06/17 00:00	24.0	206	1.9	No response required	None	2
36	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/06/18 00:00	23.0	237	3	No response required	None	2
37	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/06/20 00:00	31.0	246	2.2	No response required	None	2
38	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/06/21 00:00	18.0	252	2.9	No response required	None	2
39	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/06/22 00:00	16.0	58	2.7	No response required	None	2
40	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/06/23 00:00	23.0	254	1.9	No response required	None	2
41	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/06/24 00:00	17.0	6	3.2	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
42	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/06/25 00:00	20.0	42	3.5	No response required	None	2
43	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/06/26 00:00	24.0	11	3.1	No response required	None	2
44	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/06/29 00:00	18.0	254	2.7	No response required	None	2
45	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/06/07 00:00	22.0	350	3.3	No response required	None	2
46	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/06/26 00:00	17.0	353	4.9	No response required	None	2
47	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/06/29 00:00	19.0	267	2.1	No response required	None	2
48	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/06/01 00:00	19.0	292	1	No response required	None	2
49	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/06/02 00:00	17.0	300	1.8	No response required	None	2
50	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/06/03 00:00	19.0	264	1.5	No response required	None	2
51	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/06/07 00:00	17.0	350	3.3	No response required	None	2
52	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/06/08 00:00	18.0	303	2.7	No response required	None	2
53	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/06/13 00:00	17.0	350	1	No response required	None	2
54	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/06/17 00:00	23.0	341	0.9	No response required	None	2
55	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/06/18 00:00	17.0	243	2.5	No response required	None	2
56	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/06/20 00:00	19.0	269	1.4	No response required	None	2
57	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/06/23 00:00	20.0	280	1.6	No response required	None	2
58	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/06/23 00:00	150.5	354	2.7	No response required	None	2
59	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/06/26 00:00	16.0	353	4.9	No response required	None	2
60	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/06/28 00:00	21.0	353	2.4	No response required	None	2
61	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/06/29 00:00	16.0	267	2.1	No response required	None	2
			July 2025						
1	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/07/02 00:00	15.4	38	3.4	No response required	None	2
2	PM _{2.5} Daily RSA Limit (40 µg/m³)	Brackenham	2025/07/03 00:00	40.7	32	3.7	ZFPA	Controlled burns	37
3	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/07/03 00:00	40.7	32	3.7	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
4	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/07/04 00:00	30.1	349	2.4	No response required	None	2
5	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/07/07 00:00	16.6	257	2	No response required	None	2
6	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/07/08 00:00	16.2	18	2	No response required	None	2
7	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/07/10 00:00	21.3	37	3.7	No response required	None	2
8	PM_{2.5} Daily RSA Limit (40 µg/m³)	Brackenham	2025/07/11 00:00	42.8	30	2.4	Fires	RBCAA Allocation	38, 42
9	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/07/11 00:00	42.8	30	2.4	No response required	None	2
10	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/07/12 00:00	28.3	255	2.6	No response required	None	2
11	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/07/14 00:00	27.0	306	2.9	No response required	None	2
12	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/07/15 00:00	31.8	25	1.2	No response required	None	2
13	PM_{2.5} Daily RSA Limit (40 µg/m³)	Brackenham	2025/07/16 00:00	59.4	30	1.4	Cane fires	Cane fires	39, 40, 41
14	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/07/16 00:00	59.4	30	1.4	No response required	None	2
15	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/07/17 00:00	33.0	33	4.2	No response required	None	2
16	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/07/18 00:00	26.3	269	3	No response required	None	2
17	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/07/21 00:00	19.5	24	3.1	No response required	None	2
18	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/07/22 00:00	18.0	249	2.2	No response required	None	2
19	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/07/25 00:00	28.1	274	3.1	No response required	None	2
20	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/07/26 00:00	20.9	245	2.8	No response required	None	2
21	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/07/31 00:00	23.2	29	4.8	No response required	None	2
22	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/07/03 00:00	28.0	63	2.3	No response required	None	2
23	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/07/04 00:00	23.0	251	2.4	No response required	None	2
24	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/07/09 00:00	16.0	39	4	No response required	None	2
25	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/07/10 00:00	20.0	53	2.5	No response required	None	2
26	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/07/11 00:00	34.0	49	2.2	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
27	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/07/14 00:00	22.0	240	2.7	No response required	None	2
28	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/07/15 00:00	24.0	203	1.9	No response required	None	2
29	PM_{2.5} Daily RSA Limit (40 µg/m³)	Felixton	2025/07/16 00:00	48.0	197	1.4	Cane fires	Cane fires	39, 40, 41
30	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/07/16 00:00	48.0	197	1.4	No response required	None	2
31	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/07/17 00:00	33.0	46	3.8	No response required	None	2
32	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/07/18 00:00	19.0	232	3.8	No response required	None	2
33	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/07/21 00:00	17.0	41	2.8	No response required	None	2
34	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/07/25 00:00	22.0	227	2.8	No response required	None	2
35	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/07/26 00:00	18.0	234	2.9	No response required	None	2
36	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/07/31 00:00	23.0	48	4	No response required	None	2
37	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/07/02 00:00	17.0	26	4.9	No response required	None	2
38	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/07/03 00:00	31.0	16	4.3	No response required	None	2
39	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/07/04 00:00	19.0	311	2.7	No response required	None	2
40	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/07/11 00:00	20.0	12	3.1	No response required	None	2
41	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/07/15 00:00	18.0	334	1.3	No response required	None	2
42	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/07/16 00:00	29.0	3	1.4	No response required	None	2
43	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/07/17 00:00	22.0	12	4.6	No response required	None	2
44	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/07/31 00:00	21.0	16	6	No response required	None	2
45	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/07/02 00:00	18.0	26	4.9	No response required	None	2
46	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/07/03 00:00	23.0	16	4.3	No response required	None	2
47	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/07/04 00:00	16.0	311	2.7	No response required	None	2
48	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/07/08 00:00	17.0	347	2.5	No response required	None	2
49	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/07/10 00:00	20.0	15	4.1	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
50	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/07/11 00:00	38.0	12	3.1	No response required	None	2
51	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/07/14 00:00	27.0	274	3.2	No response required	None	2
52	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/07/15 00:00	31.0	334	1.3	No response required	None	2
53	PM_{2.5} Daily RSA Limit (40 µg/m³)	Scorpio	2025/07/16 00:00	45.0	3	1.4	Cane fires	Cane fires	39, 40, 41
54	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/07/16 00:00	45.0	3	1.4	No response required	None	2
55	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/07/17 00:00	30.0	12	4.6	No response required	None	2
56	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/07/18 00:00	17.0	242	4.1	No response required	None	2
57	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/07/21 00:00	17.0	22	4	No response required	None	2
58	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/07/25 00:00	24.0	235	2.6	No response required	None	2
59	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/07/31 00:00	28.0	16	6	No response required	None	2
			August 2025						
1	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/08/01 00:00	27.9	240	5.4	No response required	None	2
2	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/08/02 00:00	19.8	258	2.3	No response required	None	2
3	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/08/04 00:00	21.8	35	4.6	No response required	None	2
4	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/08/05 00:00	25.2	40	5.2	No response required	None	2
5	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/08/06 00:00	28.3	251	3.3	No response required	None	2
6	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/08/10 00:00	23.8	318	4.6	No response required	None	2
7	PM_{2.5} Daily RSA Limit (40 µg/m³)	Brackenham	2025/08/11 00:00	77.7	309	1.4	Fires	Fires	43, 44
8	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/08/11 00:00	77.7	309	1.4	No response required	None	2
9	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/08/13 00:00	22.1	33	3	No response required	None	2
10	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/08/14 00:00	21.7	40	2.9	No response required	None	2
11	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/08/15 00:00	21.0	48	3.2	No response required	None	2
12	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/08/19 00:00	26.1	32	3.9	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
13	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/08/20 00:00	18.3	200	2.8	No response required	None	2
14	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/08/21 00:00	25.3	278	2.7	No response required	None	2
15	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/08/22 00:00	29.2	17	2.2	No response required	None	2
16	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/08/23 00:00	32.6	334	1.5	No response required	None	2
17	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/08/25 00:00	33.4	44	3.2	No response required	None	2
18	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/08/26 00:00	21.1	204	3.4	No response required	None	2
19	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/08/27 00:00	31.4	46	2.8	No response required	None	2
20	PM _{2.5} Daily RSA Limit (40 µg/m³)	Brackenham	2025/08/28 00:00	52.1	36	2.4	Regional fires	Controlled cane burning	47, 53, 1
21	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/08/28 00:00	52.1	36	2.4	No response required	None	2
22	PM _{2.5} Daily RSA Limit (40 µg/m³)	Brackenham	2025/08/29 00:00	56.1	38	3.2	Cane fires	Cane fires	48, 54
23	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/08/29 00:00	56.1	38	3.2	No response required	None	2
24	PM _{2.5} Daily RSA Limit (40 µg/m³)	Brackenham	2025/08/30 00:00	81.3	249	3.8	Cane fires	Cane fires	49
25	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/08/30 00:00	81.3	249	3.8	No response required	None	2
26	PM _{2.5} Daily RSA Limit (40 µg/m³)	Brackenham	2025/08/31 00:00	56.1	14	2.2	Cane fires	Cane fires	50
27	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/08/31 00:00	56.1	14	2.2	No response required	None	2
28	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/08/01 00:00	28.0	234	5.3	No response required	None	2
29	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/08/04 00:00	21.0	31	3.9	No response required	None	2
30	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/08/05 00:00	22.0	47	4.8	No response required	None	2
31	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/08/06 00:00	20.0	238	4.2	No response required	None	2
32	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/08/10 00:00	22.0	317	3.5	No response required	None	2
33	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/08/11 00:00	20.0	229	2.3	No response required	None	2
34	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/08/13 00:00	20.0	52	2.8	No response required	None	2
35	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/08/14 00:00	18.0	57	2.7	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
36	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/08/15 00:00	19.0	52	3.4	No response required	None	2
37	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/08/19 00:00	22.0	150	3.7	No response required	None	2
38	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/08/21 00:00	29.0	244	2.9	No response required	None	2
39	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/08/22 00:00	24.0	260	2.8	No response required	None	2
40	PM_{2.5} Daily RSA Limit (40 µg/m³)	Felixton	2025/08/23 00:00	45.0	286	2.6	Local source	Sports/ festival event close to the monitoring station.	45, 46
41	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/08/23 00:00	45.0	286	2.6	No response required	None	2
42	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/08/25 00:00	26.0	58	3.8	No response required	None	2
43	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/08/26 00:00	17.0	189	3.7	No response required	None	2
44	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/08/27 00:00	27.0	46	3.7	No response required	None	2
45	PM_{2.5} Daily RSA Limit (40 µg/m³)	Felixton	2025/08/28 00:00	45.0	57	2.8	Regional fires	Controlled cane burning	47, 53, 1
46	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/08/28 00:00	45.0	57	2.8	No response required	None	2
47	PM_{2.5} Daily RSA Limit (40 µg/m³)	Felixton	2025/08/29 00:00	50.0	53	3.6	Regional fires	Controlled cane burning	48, 51, 54
48	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/08/29 00:00	50.0	53	3.6	No response required	None	2
49	PM_{2.5} Daily RSA Limit (40 µg/m³)	Felixton	2025/08/30 00:00	62.0	239	3.7	Regional fires	Controlled cane burning	49, 52
50	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/08/30 00:00	62.0	239	3.7	No response required	None	2
51	PM_{2.5} Daily RSA Limit (40 µg/m³)	Felixton	2025/08/31 00:00	48.0	212	2.8	Regional fires	Controlled cane burning	50
52	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/08/31 00:00	48.0	212	2.8	No response required	None	2
53	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/08/04 00:00	24.0	25	5.4	No response required	None	2
54	PM_{2.5} Daily RSA Limit (40 µg/m³)	Harbour West	2025/08/05 00:00	45.0	24	6.6	Bush Fire	Bush Fire	42
55	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/08/05 00:00	45.0	24	6.6	No response required	None	2
56	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/08/13 00:00	16.0	23	4.2	No response required	None	2
57	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/08/15 00:00	16.0	36	3.7	No response required	None	2
58	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/08/23 00:00	20.0	299	2.1	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
59	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/08/25 00:00	19.0	40	3.9	No response required	None	2
60	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/08/27 00:00	22.0	29	3.7	No response required	None	2
61	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/08/28 00:00	38.0	18	2.7	No response required	None	2
62	PM_{2.5} Daily RSA Limit (40 µg/m³)	Harbour West	2025/08/29 00:00	41.0	29	3.8	Regional fires	Controlled cane burning	48, 54
63	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/08/29 00:00	41.0	29	3.8	No response required	None	2
64	PM_{2.5} Daily RSA Limit (40 µg/m³)	Harbour West	2025/08/30 00:00	48.0	229	3.8	Regional fires	Controlled cane burning	49
65	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/08/30 00:00	48.0	229	3.8	No response required	None	2
66	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/08/31 00:00	37.0	337	2.5	No response required	None	2
67	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/08/01 00:00	19.0	206	5.9	No response required	None	2
68	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/08/02 00:00	22.0	241	2.7	No response required	None	2
69	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/08/04 00:00	23.0	25	5.4	No response required	None	2
70	PM_{2.5} Daily RSA Limit (40 µg/m³)	Scorpio	2025/08/05 00:00	142.0	24	6.6	Bush Fire	Bush Fire	42
71	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/08/05 00:00	142.0	24	6.6	No response required	None	2
72	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/08/06 00:00	19.0	232	4.4	No response required	None	2
73	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/08/10 00:00	19.0	299	5	No response required	None	2
74	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/08/11 00:00	27.0	282	1.5	No response required	None	2
75	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/08/13 00:00	26.0	23	4.2	No response required	None	2
76	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/08/14 00:00	18.0	23	3.4	No response required	None	2
77	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/08/15 00:00	17.0	36	3.7	No response required	None	2
78	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/08/19 00:00	21.0	11	4.4	No response required	None	2
79	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/08/20 00:00	18.0	173	3.4	No response required	None	2
80	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/08/21 00:00	23.0	252	3.2	No response required	None	2
81	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/08/22 00:00	25.0	296	2.4	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
82	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/08/23 00:00	25.0	299	2.1	No response required	None	2
83	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/08/25 00:00	24.0	40	3.9	No response required	None	2
84	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/08/26 00:00	17.0	170	3.8	No response required	None	2
85	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/08/27 00:00	24.0	29	3.7	No response required	None	2
86	PM_{2.5} Daily RSA Limit (40 µg/m³)	Scorpio	2025/08/28 00:00	43.0	18	2.7	Regional fires	Controlled cane burning	47, 53, 1
87	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/08/28 00:00	43.0	18	2.7	No response required	None	2
88	PM_{2.5} Daily RSA Limit (40 µg/m³)	Scorpio	2025/08/29 00:00	44.0	29	3.8	Regional fires	Controlled cane burning	48
89	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/08/29 00:00	44.0	29	3.8	No response required	None	2
90	PM_{2.5} Daily RSA Limit (40 µg/m³)	Scorpio	2025/08/30 00:00	57.0	229	3.8	Regional fires	Controlled cane burning	49
91	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/08/30 00:00	57.0	229	3.8	No response required	None	2
92	PM_{2.5} Daily RSA Limit (40 µg/m³)	Scorpio	2025/08/31 00:00	44.0	337	2.5	Regional fires	Controlled cane burning	50
93	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/08/31 00:00	44.0	337	2.5	No response required	None	2
			September 2025						
1	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/09/01 00:00	31.5	243	4.5	No response required	None	2
2	PM_{2.5} Daily RSA Limit (40 µg/m³)	Brackenham	2025/09/02 00:00	45.6	41	2.4	Fires	RBCAA allocation	55, 1, 63
3	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/09/02 00:00	45.6	41	2.4	No response required	None	2
4	PM_{2.5} Daily RSA Limit (40 µg/m³)	Brackenham	2025/09/03 00:00	50.6	268	4.8	RBIDZ	RBCAA allocation	59, 1, 64
5	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/09/03 00:00	50.6	268	4.8	No response required	None	2
6	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/09/04 00:00	28.6	13	1.9	No response required	None	2
7	PM_{2.5} Daily RSA Limit (40 µg/m³)	Brackenham	2025/09/05 00:00	41.0	45	3.4	Fires	RBCAA allocation	60, 1, 65
8	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/09/05 00:00	41.0	45	3.4	No response required	None	2
9	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/09/06 00:00	24.4	212	2.1	No response required	None	2
10	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/09/07 00:00	25.2	30	2.6	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
11	PM_{2.5} Daily RSA Limit (40 µg/m³)	Brackenham	2025/09/08 00:00	46.0	263	2.3	RBIDZ	RBCAA allocation	58, 1, 66
12	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/09/08 00:00	46.0	263	2.3	No response required	None	2
13	PM_{2.5} Daily RSA Limit (40 µg/m³)	Brackenham	2025/09/09 00:00	46.3	28	2.7	Fires	RBCAA allocation	56, 1, 63
14	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/09/09 00:00	46.3	28	2.7	No response required	None	2
15	PM_{2.5} Daily RSA Limit (40 µg/m³)	Brackenham	2025/09/11 00:00	53.2	25	4.7	Fires	RBCAA allocation	57, 1, 62, 67
16	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/09/11 00:00	53.2	25	4.7	No response required	None	2
17	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/09/12 00:00	28.2	230	2.8	No response required	None	2
18	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/09/13 00:00	32.0	17	2.9	No response required	None	2
19	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/09/14 00:00	20.7	249	2	No response required	None	2
20	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/09/15 00:00	34.1	34	3.1	No response required	None	2
21	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/09/16 00:00	37.7	224	4	No response required	None	2
22	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/09/17 00:00	16.4	231	1.9	No response required	None	2
23	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/09/18 00:00	17.3	57	2.6	No response required	None	2
24	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/09/19 00:00	18.8	191	2.6	No response required	None	2
25	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/09/21 00:00	31.4	48	4.1	No response required	None	2
26	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/09/22 00:00	38.8	64	5.8	No response required	None	2
27	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/09/23 00:00	31.3	101	2.3	No response required	None	2
28	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/09/24 00:00	22.8	237	3.4	No response required	None	2
29	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/09/28 00:00	28.4	267	3.6	No response required	None	2
30	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/09/01 00:00	24.0	236	4.4	No response required	None	2
31	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/09/02 00:00	35.0	72	2.9	No response required	None	2
32	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/09/03 00:00	35.0	252	4.1	No response required	None	2
33	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/09/04 00:00	22.0	129	2.7	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
34	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/09/05 00:00	38.0	71	2.9	No response required	None	2
35	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/09/06 00:00	18.0	231	2.2	No response required	None	2
36	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/09/07 00:00	18.0	45	3.5	No response required	None	2
37	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/09/08 00:00	32.0	242	2.7	No response required	None	2
38	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/09/09 00:00	39.0	32	3.8	No response required	None	2
39	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/09/11 00:00	40.0	54	4.5	No response required	None	2
40	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/09/12 00:00	25.0	205	2.6	No response required	None	2
41	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/09/13 00:00	24.0	124	2.8	No response required	None	2
42	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/09/15 00:00	26.0	66	3.2	No response required	None	2
43	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/09/16 00:00	31.0	209	2.7	No response required	None	2
44	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/09/18 00:00	17.0	76	3.1	No response required	None	2
45	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/09/21 00:00	30.0	57	3.9	No response required	None	2
46	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/09/22 00:00	33.0	93	4.9	No response required	None	2
47	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/09/23 00:00	21.0	58	2.5	No response required	None	2
48	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/09/24 00:00	16.0	228	3.2	No response required	None	2
49	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/09/28 00:00	23.0	210	2.8	No response required	None	2
50	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/09/02 00:00	28.0	31	2.4	No response required	None	2
51	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/09/03 00:00	28.0	237	4.7	No response required	None	2
52	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/09/04 00:00	16.0	356	2.5	No response required	None	2
53	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/09/05 00:00	24.0	48	3.5	No response required	None	2
54	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/09/07 00:00	17.0	10	2.8	No response required	None	2
55	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/09/08 00:00	24.0	240	2.5	No response required	None	2
56	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/09/09 00:00	28.0	21	3.1	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
57	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/09/11 00:00	33.0	28	5.3	No response required	None	2
58	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/09/13 00:00	16.0	69	3.1	No response required	None	2
59	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/09/15 00:00	22.0	18	3.5	No response required	None	2
60	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/09/16 00:00	20.0	192	3.5	No response required	None	2
61	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/09/21 00:00	20.0	37	4.7	No response required	None	2
62	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/09/22 00:00	21.0	74	5.5	No response required	None	2
63	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/09/01 00:00	20.0	221	4.9	No response required	None	2
64	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/09/02 00:00	36.0	31	2.4	No response required	None	2
65	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/09/03 00:00	33.0	237	4.7	No response required	None	2
66	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/09/04 00:00	28.0	356	2.5	No response required	None	2
67	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/09/05 00:00	30.0	48	3.5	No response required	None	2
68	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/09/06 00:00	20.0	186	2.2	No response required	None	2
69	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/09/07 00:00	24.0	10	2.8	No response required	None	2
70	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/09/08 00:00	33.0	240	2.5	No response required	None	2
71	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/09/09 00:00	36.0	21	3.1	No response required	None	2
72	PM_{2.5} Daily RSA Limit (40 µg/m³)	Scorpio	2025/09/11 00:00	44.0	28	5.3	Regional Fires	RBCAA allocation	57, 1, 62
73	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/09/11 00:00	44.0	28	5.3	No response required	None	2
74	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/09/12 00:00	19.0	208	2.3	No response required	None	2
75	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/09/13 00:00	24.0	69	3.1	No response required	None	2
76	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/09/15 00:00	28.0	18	3.5	No response required	None	2
77	PM_{2.5} Daily RSA Limit (40 µg/m³)	Scorpio	2025/09/16 00:00	68.0	192	3.5	South32	Planned maintenance. Furnaces venting.	61, 1, 68
78	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/09/16 00:00	68.0	192	3.5	No response required	None	2
79	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/09/21 00:00	27.0	37	4.7	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
80	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/09/22 00:00	29.0	74	5.5	No response required	None	2
81	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/09/23 00:00	26.0	99	2.6	No response required	None	2
82	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/09/26 00:00	20.0	243	1.3	No response required	None	2
83	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/09/28 00:00	22.0	233	3.1	No response required	None	2
			October 2025						
1	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/10/02 00:00	19.3	249	5.8	No response required	None	2
2	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/10/05 00:00	22.8	1	4.4	No response required	None	2
3	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/10/06 00:00	28.4	20	3	No response required	None	2
4	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/10/07 00:00	18.4	138	2.9	No response required	None	2
5	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/10/08 00:00	22.2	38	1.8	No response required	None	2
6	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/10/09 00:00	27.5	60	1.8	No response required	None	2
7	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/10/10 00:00	20.0	44	4	No response required	None	2
8	PM_{2.5} Daily RSA Limit (40 µg/m³)	Brackenham	2025/10/11 00:00	51.6	261	3.4	RBIDZ - Meteorology	RBCAA allocation	70, 71
9	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/10/11 00:00	51.6	261	3.4	No response required	None	2
10	PM_{2.5} Daily RSA Limit (40 µg/m³)	Brackenham	2025/10/12 00:00	46.0	245	2.3	RBIDZ - Meteorology	RBCAA allocation	69, 71
11	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/10/12 00:00	46.0	245	2.3	No response required	None	2
12	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/10/13 00:00	26.9	60	2.6	No response required	None	2
13	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/10/14 00:00	29.0	35	5.1	No response required	None	2
14	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/10/15 00:00	18.0	250	4.2	No response required	None	2
15	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/10/16 00:00	21.0	237	3.8	No response required	None	2
16	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/10/18 00:00	27.0	355	5.1	No response required	None	2
17	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/10/20 00:00	23.0	213	2.2	No response required	None	2
18	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/10/24 00:00	29.0	296	3.7	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
19	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/10/25 00:00	18.0	39	4.2	No response required	None	2
20	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/10/26 00:00	18.0	244	4.6	No response required	None	2
21	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/10/02 00:00	32.0	237	5.3	No response required	None	2
22	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/10/05 00:00	22.0	313	4.4	No response required	None	2
23	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/10/06 00:00	24.0	7	3.5	No response required	None	2
24	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/10/08 00:00	17.0	133	2.3	No response required	None	2
25	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/10/09 00:00	19.0	130	2	No response required	None	2
26	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/10/10 00:00	19.0	47	4.6	No response required	None	2
27	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/10/11 00:00	34.0	226	3.1	No response required	None	2
28	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/10/12 00:00	33.0	222	2.3	No response required	None	2
29	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/10/13 00:00	23.0	69	3	No response required	None	2
30	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/10/14 00:00	23.0	44	5.5	No response required	None	2
31	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/10/15 00:00	21.0	242	4.4	No response required	None	2
32	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/10/16 00:00	17.0	223	3.2	No response required	None	2
33	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/10/18 00:00	19.0	4	5.1	No response required	None	2
34	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/10/24 00:00	30.0	187	3.5	No response required	None	2
35	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/10/10 00:00	16.0	31	4.5	No response required	None	2
36	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/10/11 00:00	26.0	221	3.4	No response required	None	2
37	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/10/12 00:00	21.0	219	2	No response required	None	2
38	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/10/14 00:00	20.0	27	5.6	No response required	None	2
39	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/10/18 00:00	18.0	355	5.6	No response required	None	2
40	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/10/24 00:00	18.0	209	3.7	No response required	None	2
41	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/10/06 00:00	20.0	17	3.6	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
42	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/10/07 00:00	33.0	118	2.9	No response required	None	2
43	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/10/08 00:00	21.0	55	2.2	No response required	None	2
44	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/10/09 00:00	28.0	92	2	No response required	None	2
45	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/10/10 00:00	19.0	31	4.5	No response required	None	2
46	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/10/11 00:00	39.0	221	3.4	No response required	None	2
47	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/10/12 00:00	40.0	219	2	No response required	None	2
48	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/10/13 00:00	21.0	88	3.1	No response required	None	2
49	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/10/14 00:00	23.0	27	5.6	No response required	None	2
50	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/10/16 00:00	16.0	207	3.4	No response required	None	2
51	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/10/18 00:00	19.0	355	5.6	No response required	None	2
52	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/10/20 00:00	37.0	171	2.4	No response required	None	2
53	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/10/23 00:00	18.0	27	5.1	No response required	None	2
54	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/10/24 00:00	25.0	209	3.7	No response required	None	2
			November 2025						
1	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/11/01 00:00	27.0	254	4.5	No response required	None	2
2	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/11/04 00:00	22.0	25	4.9	No response required	None	2
3	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/11/05 00:00	18.0	224	4.5	No response required	None	2
4	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/11/12 00:00	29.0	210	2	No response required	None	2
5	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/11/13 00:00	30.0	238	4.9	No response required	None	2
6	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/11/15 00:00	30.0	257	5.7	No response required	None	2
7	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/11/23 00:00	16.0	46	3.8	No response required	None	2
8	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/11/27 00:00	26.0	253	3.8	No response required	None	2
9	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/11/28 00:00	17.0	27	2.2	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
10	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/11/30 00:00	20.0	237	5.2	No response required	None	2
11	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/11/01 00:00	20.0	235	3.8	No response required	None	2
12	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/11/04 00:00	16.0	36	5	No response required	None	2
13	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/11/05 00:00	19.0	223	3.5	No response required	None	2
14	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/11/12 00:00	28.0	213	2	No response required	None	2
15	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/11/13 00:00	25.0	220	3.8	No response required	None	2
16	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/11/15 00:00	21.0	229	4.9	No response required	None	2
17	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/11/27 00:00	22.0	223	3.5	No response required	None	2
18	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/11/30 00:00	18.0	234	4.1	No response required	None	2
19	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/11/12 00:00	18.0	190	2.2	No response required	None	2
20	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/11/01 00:00	22.0	228	4.6	No response required	None	2
21	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/11/05 00:00	18.0	199	4	No response required	None	2
22	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/11/09 00:00	16.0	53	3.6	No response required	None	2
23	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/11/12 00:00	26.0	190	2.2	No response required	None	2
24	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/11/13 00:00	22.0	202	4.2	No response required	None	2
25	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/11/14 00:00	20.0	99	4.5	No response required	None	2
26	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/11/15 00:00	21.0	221	5.3	No response required	None	2
27	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/11/27 00:00	21.0	222	3.6	No response required	None	2
28	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/11/29 00:00	18.0	38	5.1	No response required	None	2
			December 2025						
1	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/12/02 00:00	16.0	1	2.2	No response required	None	2
2	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/12/06 00:00	19.0	260	2.8	No response required	None	2
3	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/12/08 00:00	16.0	52	2.7	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (µg/m³)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
4	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/12/09 00:00	31.0	244	3.2	No response required	None	2
5	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/12/12 00:00	16.0	37	5.4	No response required	None	2
6	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/12/13 00:00	23.0	262	4.2	No response required	None	2
7	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/12/16 00:00	18.0	45	4.7	No response required	None	2
8	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/12/17 00:00	24.0	250	4.4	No response required	None	2
9	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/12/20 00:00	23.0	269	1.8	No response required	None	2
10	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2025/12/24 00:00	18.0	250	3.9	No response required	None	2
11	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/12/08 00:00	19.0	63	3.2	No response required	None	2
12	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/12/09 00:00	25.0	210	2.8	No response required	None	2
13	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2025/12/17 00:00	16.0	232	4.4	No response required	None	2
14	PM _{2.5} Daily WHO Limit (15 µg/m³)	Harbour West	2025/12/09 00:00	16.0	194	3.2	No response required	None	2
15	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/12/01 00:00	16.0	107	2.4	No response required	None	2
16	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/12/09 00:00	30.0	194	3.2	No response required	None	2
17	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/12/13 00:00	16.0	213	4.2	No response required	None	2
18	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/12/16 00:00	17.0	29	5.9	No response required	None	2
19	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/12/17 00:00	19.0	219	5.1	No response required	None	2
20	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/12/20 00:00	28.0	223	2.1	No response required	None	2
21	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/12/26 00:00	19.0	125	1.7	No response required	None	2
22	PM _{2.5} Daily WHO Limit (15 µg/m³)	Scorpio	2025/12/29 00:00	16.0	96	2.8	No response required	None	2

Table 2: PM_{2.5} Responses

Response	Industry Feedback
1	Unresolved / No Response
2	No response required / Allocated by wind direction
35	Mondi - Kira Cobbold responded, (2025/05/15 15:55): Mondi has reviewed the exceedance recorded at Brackenham on 09 May 2025. Based on the wind direction at the time, it is unlikely that the mill was the source. Additionally, all PM emissions from Mondi's main sources (Power Boiler, Kiln, Recovery Boilers 1 and 2) were within compliance limits according to the AEL. No abnormal conditions were recorded on site during the visual air emissions inspection that took place at 08:30am that morning.
36	Mondi - Kira Cobbold responded, (2025/05/19 15:35): Mondi has investigated the PM _{2.5} exceedance recorded at the Brackenham station on 18/05/2025. Based on the varying wind direction throughout the day, which did not consistently align with Mondi as a potential source, it is considered unlikely that Mondi contributed to this exceedance. All particulate matter stack emissions from Mondi remained well within their compliance limits, and the mill was operating under stable conditions.
37	RBCAA Allocation - Sandy Camminga (2025/07/09 09:27) - The RBCAA contacted ZFPA who responded that they had permitted two (2) controlled burns for timber slash. One on Nsezi Plantation near Aquadene, the other north near Mondi nursery. WD was not favourable. There were also a significant number of residents who complained on the evening of 3 July, via the same WhatsApp group. I unfortunately inadvertently deleted the chat, however ZFPA was informed at 20h27 on 3 July and responded as follows on 8 July; ZFPA issued four (4) burn permits for load reduction ; 2 to Mondi, 1 to SiyaQhubeka and 1 to Davidson in Nseleni. The WD on 3 July was not favourable.
38	Mondi - Kira Cobbold responded, (2025/07/14 12:06):Mondi has investigated the following PM _{2.5} exceedance and based on wind direction is unlikely the source of the exceedance. The mill was operating under stable conditions, and all stack emissions were well within their compliance limits.
39	Mondi - Kira Cobbold responded, (2025/07/17 11:17): Mondi has investigated the following PM _{2.5} exceedances and is unlikely the source due to stable mill operations, wind directions that do not favour Mondi as the source, and PM stack emissions being well within their compliance limits (see table below).
40	Mpact -Traven Chetty responded, (2025/07/18 11:14): An investigation was conducted into this PM _{2.5} exceedance at the felixton station and it was noted that this was due to cane fires in the area. Mpact is unlikely to be the source of this exceedance. Please see image attached. (Shows a photo of fire at neary Felixton)
41	RBCAA Allocation - Sandy Camminga (2025/07/22 07:55) MPACT has alerted the RBCAA to cane fires on the day. We will therefore allocate the Felixton exceedance accordingly. (Note: check response 40)
42	RBCAA Allocation - Sandy Camminga (2025/08/07 00:04): "we can assume that PM exceedances recorded at Brackenham on northerly winds are related to fires, so please allocate as such."
43	RBCAA Allocation - Sandy Camminga (2025/08/11 17:49): (Allocation via RBCAA Whatsapp) Fire on Brackenham area on CoU property.
44	Mondi - Kira Cobbold responded, (2025/08/14 08:25): Mondi has investigated the following PM _{2.5} exceedance and based on wind direction is unlikely the source. The mill was operating under stable conditions at the time of the exceedance and all stack emissions were well within their compliance limits.
45	RBCAA Allocation - Sandy Camminga (2025/08/23 10:52): (Allocation via RBCAA Whatsapp) Traven Chetty and Maggie Odayar reported an Sport tournament happening next to the monitoring station; braaing activities were taking place.
46	Mondi - Kira Cobbold responded, (2025/08/25 12:55): Mondi has investigated the following PM _{2.5} exceedance and based on the south westerly wind direction and stack emissions within their compliance limits, Mondi is unlikely the source.
47	Mpact -Traven Chetty responded, (2025/09/01 13:02): Mpact has investigated this exceedance of PM _{2.5} on the 28th of August 2025. All process plant reports indicated stable conditions and no abnormalities to report. The wind direction is also not in favour of emissions from our plant. Based on this, Mpact is unlikely to be the source of this exceedance.
48	Mpact -Traven Chetty responded, (2025/09/02 14:52): We have investigated the exceedance for PM _{2.5} on the 29th August 2025. All process reports indicate the plant was stable with no abnormalities. There were reports received of controlled cane burning within this area over the weekend which could be the source of this PM _{2.5} exceedances. It is unlikely that Mpact processes was the source of this.
49	Mpact -Traven Chetty responded, (2025/09/02 14:58): We have investigated the exceedance for PM _{2.5} on the 30th August 2025. All process reports indicate the plant was stable with no abnormalities. There were reports received of controlled cane burning within this area over the weekend which could be the source of this PM _{2.5} exceedances. It is unlikely that Mpact processes was the source of this.
50	Mpact -Traven Chetty responded, (2025/09/02 15:03): We have investigated the exceedance for PM _{2.5} on the 31th August 2025. All process reports indicate the plant was stable with no abnormalities to report. There were reports received of controlled cane burning within this area over the weekend which could be the source of this PM _{2.5} exceedances. It is unlikely that Mpact processes was the source of this.
51	Tongaat Hulett - Nicolas Govender responded (2025/09/02 15:59): Felixton : PM _{2.5} feedback, THS investigated the exceedance and operations were noted to be stable with abnormalities, therefore TH could have not contributed to the exceedance.
52	Tongaat Hulett - Nicolas Govender responded (2025/09/02 16:01): Felixton : PM _{2.5} feedback, THS investigated the exceedance and operations were noted to be stable with abnormalities, therefore TH could have not contributed to the exceedance.

Response	Industry Feedback
53	Mondi - Kira Cobbold responded, (2025/09/04 08:41): Mondi has investigated the following PM _{2.5} exceedances and based on prevailing wind direction is unlikely the source.
54	Mondi - Kira Cobbold responded, (2025/09/04 08:43): Mondi has investigated the following PM _{2.5} exceedances and based on prevailing north easterly wind direction is unlikely the source.
55	Mondi - Kira Cobbold responded, (2025/09/04 08:47): Mondi has investigated the following PM _{2.5} exceedance and based on prevailing north easterly to easterly wind direction, Mondi is unlikely the source.
56	Mondi - Kira Cobbold responded, (2025/09/11 15:26): Mondi has investigated the following PM _{2.5} exceedance at Brackenham and based on the north easterly wind direction and all stack emissions within their compliance limits, Mondi is unlikely the source.
57	Mondi - Kira Cobbold responded, (2025/09/16 08:44): Mondi has investigated the PM _{2.5} exceedances at Brackenham and Scorpio on 11/09. Mill operations remained stable, all stack emissions were within specification, and wind speeds were high (increasing the overall amount of dust and particulates suspended in the air). Furthermore, wind direction during much of the period does not indicate Mondi as the likely source.
58	Mondi - Kira Cobbold responded, (2025/09/16 08:46): Mondi has investigated the PM _{2.5} exceedance at Brackenham on 08/09 and based stable mill operations, stack emissions within specification, and elevated wind speeds observed, Mondi is unlikely the source.
59	Mondi - Kira Cobbold responded, (2025/09/16 09:56): Mondi has investigated the PM _{2.5} exceedance at Brackenham on 03/09 and based on wind direction and mill startup conditions, Mondi may have been a contributing source to the exceedance. Stack emissions were within their compliance limits 24hrs from startup.
60	Mondi - Kira Cobbold responded, (2025/09/22 08:24): Based on stable mill operations, stack emissions within specification, and a wind direction that does not entirely favour Mondi as source, Mondi is unlikely the source of the PM _{2.5} exceedance at Brackenham on 05/09.
61	Mondi - Kira Cobbold responded, (2025/09/22 09:34): Mondi has investigated the PM _{2.5} exceedance at Scorpio and, given the planned mill shutdown from 15–17 September as communicated with the authorities, Mondi is unlikely to have been the source.
62	RBCAA Allocation -Sandy Camminga (2025/10/06 11:00)
63	RBCAA Allocation -Sandy Camminga (2025/10/06 15:20) WD: ENE
64	RBCAA Allocation -Sandy Camminga (2025/10/06 15:20) WD: SW-WSW
65	RBCAA Allocation -Sandy Camminga (2025/10/06 15:20) WD: E-ENE
66	RBCAA Allocation -Sandy Camminga (2025/10/06 15:20) WD: SW-WSW
67	RBCAA Allocation -Sandy Camminga (2025/10/06 15:20) WD: NE-ENE
68	South32 - Molebale, Londiwe responded, (2025/10/09 17:07): Hillside Aluminium had a planned maintenance scheduled on FTC 1 for 24 hours on 16 September 2025, FTC 1 was on complete shutdown. As the furnaces were venting there was no treatment, the wind direction on the day was NNE as depicted in the Windrose. This resulted in the PM exceedance noted at Scorpio station on 16 September 2025.
69	Mondi - Kira Cobbold responded, (2025/10/13 13:24): Mondi has investigated the following PM _{2.5} exceedance and based on wind direction, stable mill operations, and stack emissions within compliance limits, Mondi was unlikely the source.
70	Mondi - Kira Cobbold responded, (2025/10/13 13:57): Mondi has investigated the following PM _{2.5} exceedance at Brackenham and based on stable operating conditions and all stack emissions within their compliance limits, Mondi is unlikely the source.
71	RBCAA Allocation -Sandy Camminga (2025/11/16 18:16) WD: SE

APPENDIX I

SO₂ EXCEEDANCE LOG

Table 1: SO₂ Exceedances.

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
			January 2025						
1	SO ₂ Daily WHO Limit (15 ppb)	CBD	2025/01/16 00:00	18.8	243	34.5	No response required	None	2
2	SO ₂ Daily RSA Limit (48 ppb)	Scorpio	2025/01/12 00:00	62.8	189	3	Foskor	Acid Plant Gas Leak	130
3	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/01/12 00:00	62.8	189	3	No response required	None	2
4	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2025/01/12 18:00	384.1	140	2.2	Foskor	Acid Plant Gas Leak	130
5	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/01/12 18:10	555.5	149	2.4	Foskor	Acid Plant Gas Leak	130
6	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/01/12 18:20	845.7	143	1.8	Foskor	Acid Plant Gas Leak	130
7	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/01/12 18:30	548.4	139	2	Foskor	Acid Plant Gas Leak	130
8	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/01/12 18:40	267.6	134	2.1	Foskor	Acid Plant Gas Leak	130
9	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2025/01/12 19:00	331.7	156	1.3	Foskor	Acid Plant Gas Leak	130
10	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/01/12 19:10	311.9	142	1.3	Foskor	Acid Plant Gas Leak	130
11	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/01/12 19:20	663.2	150	1.5	Foskor	Acid Plant Gas Leak	130
12	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/01/12 19:30	364.9	163	1.5	Foskor	Acid Plant Gas Leak	130
13	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/01/12 19:40	340.4	160	1.6	Foskor	Acid Plant Gas Leak	130
14	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/01/12 19:50	236.8	185	0.7	Foskor	Acid Plant Gas Leak	130
15	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/01/12 20:00	363.1	164	1.3	Foskor	Acid Plant Gas Leak	130
16	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2025/01/12 20:00	276.3	161	1.3	Foskor	Acid Plant Gas Leak	130
17	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/01/12 20:10	280.2	158	1.5	Foskor	Acid Plant Gas Leak	130
18	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/01/12 20:20	396.9	152	1.1	Foskor	Acid Plant Gas Leak	130

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
19	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/01/12 20:30	323.0	158	1.2	Foskor	Acid Plant Gas Leak	130
20	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/01/12 21:00	440.8	159	1.3	Foskor	Acid Plant Gas Leak	130
21	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2025/01/12 21:00	401.5	161	0.9	Foskor	Acid Plant Gas Leak	130
22	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/01/12 21:10	447.8	163	1	Foskor	Acid Plant Gas Leak	130
23	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/01/12 21:20	351.5	169	0.8	Foskor	Acid Plant Gas Leak	130
24	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/01/12 21:30	602.4	151	1.2	Foskor	Acid Plant Gas Leak	130
25	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/01/12 21:40	406.6	143	0.7	Foskor	Acid Plant Gas Leak	130
26	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/01/18 00:00	24.7	32	3.4	No response required	None	2
27	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/01/26 00:00	15.8	24	1.9	No response required	None	2
			February 2025						
1	SO ₂ Daily WHO Limit (15 ppb)	CBD	2025/02/24 00:00	15.7	234	3.4	No response required	None	2
2	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/02/11 11:50	235.2	187	3	Foskor	Smouldering of Sulphur residue	132
			March 2025						
1	SO ₂ Daily WHO Limit (15 ppb)	CBD	2025/03/11 00:00	16.6	234	4.4	No response required	None	2
2	SO ₂ Daily WHO Limit (15 ppb)	CBD	2025/03/26 00:00	22.4	229	4.8	No response required	None	2
3	SO ₂ Daily WHO Limit (15 ppb)	CBD	2025/03/27 00:00	19.5	222	3.5	No response required	None	2
4	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/03/09 00:00	17.5	22	3.8	No response required	None	2
5	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/03/21 00:00	16.4	32	3.6	No response required	None	2
6	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/03/23 00:00	15.2	34	2.7	No response required	None	2
7	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/03/25 00:00	16.9	28	3.8	No response required	None	2
8	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/03/19 00:00	15.2	8	2.1	No response required	None	2
			April 2025						
1	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/04/13 00:00	17.6	19	3.5	No response required	None	2
2	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/04/14 00:00	18.3	226	4.5	No response required	None	2
			May 2025						

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
1	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/05/10 00:00	21.9	13	4.8	No response required	None	2
2	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/05/17 00:00	17.1	358	2.7	No response required	None	2
3	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/05/19 00:00	27.3	22	4.1	No response required	None	2
4	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/05/20 00:00	29.0	8	4.9	No response required	None	2
5	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/05/21 00:00	15.3	220	5.7	No response required	None	2
6	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/05/25 00:00	20.9	16	3.3	No response required	None	2
7	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/05/29 00:00	30.7	7	2.8	No response required	None	2
8	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/05/06 00:00	34.6	8	2.4	No response required	None	2
9	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/05/07 00:00	35.8	20	2.4	No response required	None	2
10	SO₂ Daily RSA Limit (48 ppb)	Scorpio	2025/05/10 00:00	50	13	4.8	Unresolved	Responded: Foskor, South32, Mondi	133, 134, 135, 1
11	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/05/10 00:00	50.0	13	4.8	No response required	None	2
12	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/05/13 00:00	18.1	322	1.3	No response required	None	2
13	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/05/17 00:00	21.1	358	2.7	No response required	None	2
14	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/05/19 00:00	15.3	22	4.1	No response required	None	2
15	SO₂ Daily RSA Limit (48 ppb)	Scorpio	2025/05/20 00:00	51.5	8	4.9	South32 - meteorology	RBCAA Allocation	136, 137, 160, 162
16	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/05/20 00:00	51.5	8	4.9	No response required	None	2
17	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/05/21 00:00	19.5	220	5.7	No response required	None	2
18	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/05/25 00:00	16.0	16	3.3	No response required	None	2
19	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/05/26 00:00	23.1	318	1.8	No response required	None	2
20	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/05/28 00:00	16.3	356	2.6	No response required	None	2
21	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/05/29 00:00	43.1	7	2.8	No response required	None	2
			June 2025						
1	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/06/06 00:00	32.0	23	3.1	No response required	None	2
2	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/06/07 00:00	23.9	350	3.3	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
3	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/06/08 00:00	32.0	303	2.7	No response required	None	2
4	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/06/22 00:00	24.3	9	3	No response required	None	2
5	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/06/25 00:00	34.6	16	5.4	No response required	None	2
6	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/06/26 00:00	39.7	353	4.9	No response required	None	2
7	SO₂ Daily RSA Limit (48 ppb)	Scorpio	2025/06/06 00:00	49.6	23	3.1	South32 - meteorology	RBCAA Allocation	138, 140, 161, 162
8	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/06/06 00:00	49.6	23	3.1	No response required	None	2
9	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/06/07 00:00	34.1	350	3.3	No response required	None	2
10	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/06/08 00:00	43.3	303	2.7	No response required	None	2
11	SO₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/06/09 15:50	220.3	155	2.5	Foskor	Acidic mist experienced on B Plant.	139, 141
12	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/06/14 00:00	19.6	358	2.1	No response required	None	2
13	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/06/15 00:00	22.1	10	3.8	No response required	None	2
14	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/06/17 00:00	16.4	341	0.9	No response required	None	2
15	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/06/22 00:00	35.2	9	3	No response required	None	2
16	SO₂ Hourly RSA Limit (134 ppb)	Scorpio	2025/06/22 23:00	135.1	356	3.8	South32 - meteorology	RBCAA Allocation	142, 147, 165, 166
17	SO₂ Hourly RSA Limit (134 ppb)	Scorpio	2025/06/23 00:00	150.5	354	2.7	South32 - meteorology	RBCAA Allocation	143, 148, 165, 166
18	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/06/23 00:00	25.9	280	1.6	No response required	None	2
19	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/06/25 00:00	33.1	16	5.4	No response required	None	2
20	SO₂ Daily RSA Limit (48 ppb)	Scorpio	2025/06/26 00:00	50.4	353	4.9	South32 - meteorology	RBCAA Allocation	149, 154
21	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/06/26 00:00	50.4	353	4.9	South32 - meteorology	RBCAA Allocation	149, 154
22	SO₂ Hourly RSA Limit (134 ppb)	Scorpio	2025/06/26 05:00	153.2	14	4.9	South32 - meteorology	RBCAA Allocation	149, 154
23	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/06/28 00:00	22.1	353	2.4	No response required	None	2
24	SO₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/06/28 05:00	228.6	290	1.2	South32 - meteorology	RBCAA Allocation	144, 146, 165, 166
25	SO₂ Hourly RSA Limit (134 ppb)	Scorpio	2025/06/28 05:00	143.1	313	1.1	South32 - meteorology	RBCAA Allocation	145, 146, 165, 166

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
26	SO₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/06/28 05:10	252.3	308	1	South32 - meteorology	RBCAA Allocation	144, 146, 165, 166
			July 2025						
1	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/07/01 00:00	24.7	26	4.5	No response required	None	2
2	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/07/02 00:00	21.8	26	4.9	No response required	None	2
3	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/07/03 00:00	32.7	16	4.3	No response required	None	2
4	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/07/09 00:00	36.3	14	5.4	No response required	None	2
5	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/07/10 00:00	21.0	15	4.1	No response required	None	2
6	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/07/11 00:00	20.2	12	3.1	No response required	None	2
7	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/07/13 00:00	18.5	349	2.8	No response required	None	2
8	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/07/17 00:00	40.7	12	4.6	No response required	None	2
9	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/07/21 00:00	22.3	22	4	No response required	None	2
10	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/07/29 00:00	28.3	20	4	No response required	None	2
11	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/07/30 00:00	15.6	25	5.1	No response required	None	2
12	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/07/01 00:00	17.8	26	4.5	No response required	None	2
13	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/07/03 00:00	42.9	16	4.3	No response required	None	2
14	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/07/04 00:00	16.0	311	2.7	No response required	None	2
15	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/07/06 00:00	17.2	221	2.6	No response required	None	2
16	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/07/09 00:00	42.7	14	5.4	No response required	None	2
17	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/07/10 00:00	30.2	15	4.1	No response required	None	2
18	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/07/11 00:00	34.7	12	3.1	No response required	None	2
19	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/07/13 00:00	16.0	349	2.8	No response required	None	2
20	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/07/14 00:00	21.4	274	3.2	No response required	None	2
21	SO₂ Daily RSA Limit (48 ppb)	Scorpio	2025/07/17 00:00	51.5	12	4.6	South32 - meteorology	RBCAA Allocation	152, 165, 166
22	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/07/17 00:00	51.5	12	4.6	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
23	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2025/07/17 05:00	135.7	1	3.4	South32 - meteorology	RBCAA Allocation	151, 165, 166
24	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2025/07/17 06:00	136.1	1	4	South32 - meteorology	RBCAA Allocation	151, 165, 166
25	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2025/07/21 00:00	165.3	18	4.8	South32 - meteorology	RBCAA Allocation	153, 165, 166
26	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/07/21 00:00	44.0	22	4	No response required	None	2
27	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/07/24 00:00	36.7	16	2.4	No response required	None	2
28	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/07/24 23:00	196.2	332	1.5	South32 - meteorology	RBCAA Allocation	155, 159, 165
29	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2025/07/24 23:00	146.3	347	1.6	South32 - meteorology	RBCAA Allocation	155, 159, 165
30	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/07/25 00:00	27.5	235	2.6	No response required	None	2
31	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/07/25 01:50	206.8	9	1.8	South32 - meteorology	RBCAA Allocation	156, 158, 165
32	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/07/25 02:00	238.1	231	0.6	South32 - meteorology	RBCAA Allocation	156, 158, 165
33	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/07/29 00:00	36.1	20	4	No response required	None	2
34	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2025/07/29 05:00	150.3	351	1.4	South32 - meteorology	RBCAA Allocation	163, 164, 165, 166
35	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2025/07/29 06:00	137.3	343	1.1	South32 - meteorology	RBCAA Allocation	163, 164, 165, 166
36	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/07/31 00:00	24.9	16	6	No response required	None	2
			August 2025						
1	SO ₂ Daily WHO Limit (15 ppb)	CBD	2025/08/06 00:00	22.7	240	4.6	No response required	None	2
2	SO ₂ Daily WHO Limit (15 ppb)	CBD	2025/08/07 00:00	17.4	232	3.7	No response required	None	2
3	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/08/09 00:00	16.3	16	4.4	No response required	None	2
4	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/08/10 00:00	21.1	299	5	No response required	None	2
5	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/08/13 00:00	16.4	23	4.2	No response required	None	2
6	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/08/18 00:00	19.5	25	5.2	No response required	None	2
7	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/08/29 00:00	16.3	29	3.8	No response required	None	2
8	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/08/04 00:00	34.5	25	5.4	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
9	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/08/05 00:00	33.5	24	6.6	No response required	None	2
10	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/08/09 00:00	21.4	16	4.4	No response required	None	2
11	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/08/10 00:00	17.2	299	5	No response required	None	2
12	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/08/13 00:00	20.3	23	4.2	No response required	None	2
13	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/08/19 00:00	18.8	11	4.4	No response required	None	2
			September 2025						
1	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/09/05 00:00	16.7	48	3.5	No response required	None	2
2	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/09/11 00:00	18.3	28	5.3	No response required	None	2
3	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/09/15 00:00	20.1	18	3.5	No response required	None	2
4	SO₂ Hourly RSA Limit (134 ppb)	Scorpio	2025/09/15 23:00	141.0	15	6.1	South32	Planned maintenance.	168, 171, 1, 173
5	SO₂ Daily RSA Limit (48 ppb)	Scorpio	2025/09/16 00:00	65.2	192	3.5	South32	Planned maintenance.	169, 172, 1, 173
6	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/09/16 00:00	65.2	192	3.5	No response required	None	2
7	SO₂ Hourly RSA Limit (134 ppb)	Scorpio	2025/09/16 06:00	140.9	322	1	South32	Planned maintenance.	170, 172, 173
8	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/09/23 00:00	15.7	99	2.6	No response required	None	2
9	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/09/26 00:00	18.3	243	1.3	No response required	None	2
10	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/09/28 00:00	21.0	233	3.1	No response required	None	2
			October 2025						
1	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/10/10 00:00	19.4	31	4.5	No response required	None	2
2	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/10/18 00:00	16.8	355	5.6	No response required	None	2
3	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/10/23 00:00	20.4	27	5.1	No response required	None	2
4	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/10/25 00:00	17.0	26	5	No response required	None	2
5	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/10/31 00:00	18.3	19	5.8	No response required	None	2
6	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/10/07 00:00	23.1	118	2.9	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
7	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2025/10/07 05:00	143.1	154	2.5	Foskor	Meteorology	174, 175
8	SO ₂ Daily RSA Limit (48 ppb)	Scorpio	2025/10/20 00:00	48.6	171	2.4	Foskor	Loss of gas from boiler	176, 177
9	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/10/20 00:00	48.6	171	2.4	No response required	None	2
10	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/10/20 08:00	306.5	136	3.5	Foskor	Loss of gas from boiler	176, 177
11	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2025/10/20 08:00	321.0	143	3.8	Foskor	Loss of gas from boiler	176, 177
12	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/10/20 08:10	303.6	145	3.9	Foskor	Loss of gas from boiler	176, 177
13	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/10/20 08:20	258.5	148	4.1	Foskor	Loss of gas from boiler	176, 177
14	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/10/20 08:30	348.1	141	3.4	Foskor	Loss of gas from boiler	176, 177
15	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/10/20 08:40	311.5	139	4.1	Foskor	Loss of gas from boiler	176, 177
16	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/10/20 08:50	397.9	152	3.5	Foskor	Loss of gas from boiler	176, 177
17	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/10/20 09:00	429.6	163	3.9	Foskor	Loss of gas from boiler	176, 177
18	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2025/10/20 09:00	321.8	154	3.5	Foskor	Loss of gas from boiler	176, 177
19	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/10/20 09:10	518.2	162	3.5	Foskor	Loss of gas from boiler	176, 177
20	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/10/20 09:20	251.7	157	3.8	Foskor	Loss of gas from boiler	176, 177
21	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/10/20 09:30	363.1	150	3.4	Foskor	Loss of gas from boiler	176, 177
22	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/10/20 09:40	223.3	142	3.3	Foskor	Loss of gas from boiler	176, 177
23	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/10/20 10:00	290.1	143	3.7	Foskor	Loss of gas from boiler	176, 177
24	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2025/10/20 10:00	298.8	149	3.8	Foskor	Loss of gas from boiler	176, 177
25	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/10/20 10:10	469.8	131	4	Foskor	Loss of gas from boiler	176, 177
26	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/10/20 10:30	323.0	159	4.1	Foskor	Loss of gas from boiler	176, 177
27	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/10/20 10:40	311.5	153	3.7	Foskor	Loss of gas from boiler	176, 177
28	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/10/20 10:50	248.7	151	3.4	Foskor	Loss of gas from boiler	176, 177
29	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/10/22 00:00	15.2	23	3.9	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
30	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/10/23 00:00	16.9	27	5.1	No response required	None	2
31	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/10/31 00:00	19.2	19	5.8	No response required	None	2
			November 2025						
1	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Arboretum	2025/11/25 18:10	193.4	222	1.6	Grindrod	Fire at Sulphur store	178, 179, 1
2	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/11/29 00:00	16.8	38	5.1	No response required	None	2
3	SO ₂ Daily WHO Limit (15 ppb)	Richardia	2025/11/25 00:00	33.9	226	2.6	Grindrod	Fire at Sulphur store	178, 179, 1
4	SO ₂ Hourly RSA Limit (134 ppb)	Richardia	2025/11/25 18:00	500.7	242	1.3	Grindrod	Fire at Sulphur store	178, 179, 1
5	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Richardia	2025/11/25 18:10	518.3	222	1.6	Grindrod	Fire at Sulphur store	178, 179, 1
6	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Richardia	2025/11/25 18:20	788.9	249	1.2	Grindrod	Fire at Sulphur store	178, 179, 1
7	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Richardia	2025/11/25 18:30	647.9	244	1.2	Grindrod	Fire at Sulphur store	178, 179, 1
8	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Richardia	2025/11/25 18:40	657.4	-	0.3	Grindrod	Fire at Sulphur store	178, 179, 1
9	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Richardia	2025/11/25 18:50	374.3	266	1.3	Grindrod	Fire at Sulphur store	178, 179, 1
10	SO ₂ Hourly RSA Limit (134 ppb)	Richardia	2025/11/25 19:00	246.6	255	1.1	Grindrod	Fire at Sulphur store	178, 179, 1
11	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Richardia	2025/11/25 19:20	220.3	258	1.1	Grindrod	Fire at Sulphur store	178, 179, 1
12	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Richardia	2025/11/25 19:30	760.6	220	1.1	Grindrod	Fire at Sulphur store	178, 179, 1
13	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Richardia	2025/11/25 19:40	317.6	248	1.5	Grindrod	Fire at Sulphur store	178, 179, 1
14	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/11/01 00:00	17.0	228	4.6	No response required	None	2
15	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/11/15 00:00	15.1	221	5.3	No response required	None	2
16	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/11/23 00:00	22.7	35	4.3	No response required	None	2
17	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/11/25 12:30	306.6	147	3.2	Grindrod	Fire at Sulphur store	178, 179, 1
18	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/11/25 12:40	204.3	140	3.4	Grindrod	Fire at Sulphur store	178, 179, 1
19	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/11/25 16:10	293.6	177	2	Grindrod	Fire at Sulphur store	178, 179, 1
20	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/11/26 00:00	31.6	20	2.7	No response required	None	2

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
21	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2025/11/26 22:00	138.3	8	1.2	Foskor	RBCAA Allocation	180, 183, 1
22	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2025/11/26 23:00	134.1	332	0.9	Foskor	RBCAA Allocation	180, 183, 1
23	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/11/27 00:00	15.1	222	3.6	No response required	None	2
24	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2025/11/27 02:00	142.6	316	0.6	Foskor	RBCAA Allocation	181, 183, 1
25	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2025/11/27 02:20	225.5	332	0.1	Foskor	RBCAA Allocation	181, 183, 1
26	SO ₂ Daily WHO Limit (15 ppb)	Scorpio	2025/11/29 00:00	41.9	38	5.1	No response required	None	2
27	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2025/11/29 03:00	136.3	3	4.2	South32	RBCAA Allocation	182, 184, 1
			December 2025						
1	SO ₂ Daily WHO Limit (15 ppb)	Harbour West	2025/12/12 00:00	15.1	25	6	No response required	None	2

Table 2: SO₂ Responses.

Response	Industry Feedback
1	Unresolved / No Response
2	No response required / Allocated by wind direction
130	Foskor - Kitso Masemola responded (Wed 2025/01/15 12:19, 12:25 and 12:28): Gas leak on Sulphuric A-plant.
131	RBCAA Allocation (2025/2/13 15:47)
132	Foskor - Silungile Msane responded (Tue 2025/02/24 19:24): Smouldering of Sulphur residue.
133	Foskor - Silungile Msane responded (Tue 2025/05/15 07:37): There was no root cause identified as there were no abnormalities in the plant, furthermore the wind direction was northerly which was blowing towards the Harbour.
134	South32 - Molebale, Londiwe responded (Tue 2025/05/15 10:34): There is no root cause as there were no plant upsets.
135	Mondi - Kira Cobbold responded, (2025/05/16 12:08): Mondi has reviewed the 24-hour SO ₂ exceedance recorded at Scorpio station on 10 May 2025. Given the strong north-easterly winds during the period, it is unlikely that Mondi was the source. Additionally, all SO ₂ emissions from Mondi's permitted stacks were well within compliance limits according to the AEL.
136	Mondi - Kira Cobbold responded, (2025/05/22 11:54): Mondi has investigated the SO ₂ exceedance on 20 May 2025 at the Scorpio station where the strong N/NE winds recorded on the day do not support Mondi as the likely source. Additionally, all Mondi's SO ₂ stack emissions were within compliance, with no abnormalities reported.
137	Foskor - Silungile Msane responded (Tue 2025/05/26 10:53): There was no root cause identified as there were no abnormalities in the plant furthermore the wind direction was northerly which was blowing towards the Harbour.
138	Mondi - Kira Cobbold responded, (2025/06/11 11:14): Based on the north easterly wind direction Mondi is unlikely the source of the SO ₂ exceedance on 06/06/25. Additionally, all SO ₂ stack emissions were well within their compliance limits.
139	Mondi - Kira Cobbold responded, (2025/06/11 11:30): Based on the primarily southerly wind direction prior to the exceedance, Mondi is unlikely the source of the SO ₂ exceedance on 09/06/25. Additionally, all SO ₂ stack emissions were well within their compliance limits.
140	Foskor - Silungile Msane responded (Tue 2025/06/12 13:23): There was no root cause identified as there were no abnormalities in the plant furthermore the wind direction was Northerly which was blowing towards the Harbour. An investigation was conducted by environmental officer at the Sulphuric Acid Plant along with relevant plant personnel. • On the day of the exceedance, both B and C Plants were running and there were no abnormal occurrences observed and both stack SO ₂ levels recorded from the Sulphuric Acid Plants were within the AEL limit (Figure 1). In addition, the wind direction for the day varied between North and North North East, which was blowing towards Harbour with wind speeds between 2 and 6 m/s for most of the day (Figure 2) There was no root cause identified as there were no abnormalities in the plant furthermore the wind direction was Northerly which was blowing towards the Harbour.
141	Foskor - Silungile Msane responded (Tue 2025/06/13 08:52): "...due to the prevailing wind direction the SO ₂ exceedance is attributed to the fine acidic mist experienced on B Plant..." NOTE: Full Incident report available.
142	Foskor - Silungile Msane responded (Tue 2025/06/24 17:53): There was no root cause identified as there were no abnormalities in the plant furthermore the wind direction was Northerly which was blowing towards the Harbour.
143	Foskor - Silungile Msane responded (Tue 2025/06/25 16:15): There was no root cause identified as there were no abnormalities in the plant furthermore the wind direction was Northerly which was blowing towards the Harbour. RBCAA - Sandy Camminga replied (Tue 2025/06/26 09:45): Please check the reference to the wind direction; It should read "wind was blowing from the north (towards the harbour)" and not "towards". Please amend and re-submit. Foskor - Silungile Msane responded (Tue 2025/06/30 16:24): amended response.
144	Foskor - Kirona Harrypersad responded (Tue 2025/07/01 15:29): "There was no root cause identified as there were no abnormalities in the plant furthermore the wind direction was north westerly." NOTE: Full Incident report available.

Response	Industry Feedback
145	Foskor - Kirona Harrypersad responded (Tue 2025/07/01 15:30): There was no root cause identified as there were no abnormalities in the plant furthermore the wind direction was north westerly.
146	Mondi - Kira Cobbold responded, (2025/07/15 16:27): Mondi has investigated the following exceedance and based on a wind direction that does not entirely favour Mondi as source (NW to NE direction), as well as the mill operating under stable conditions with all SO ₂ stack emissions being well within their compliance limits according to the AEL, Mondi is unlikely the source.
147	Mondi - Kira Cobbold responded, (2025/07/17 14:19): Mondi has investigated the following SO ₂ exceedance and based on predominantly NNE wind direction and stack emissions well within their compliance limits, Mondi is unlikely the source.
148	Mondi - Kira Cobbold responded, (2025/07/17 14:22): Mondi has investigated the following SO ₂ exceedance and based on predominantly northerly wind direction and stack emissions well within their compliance limits, Mondi is unlikely the source.
149	Mondi - Kira Cobbold responded, (2025/07/17 14:29): Mondi has investigated the following SO ₂ exceedance at Scorpio on 26/06/2025 and based on the NNE wind direction Mondi is unlikely the source.
150	Mondi - Kira Cobbold responded, (2025/07/21 10:14): Mondi has investigated the following SO ₂ exceedance at Scorpio and based on the north easterly wind direction Mondi is unlikely the source. The mill had stable operations and all SO ₂ stack emissions were within their compliance limits. Kind Regards
151	Foskor - Silungile Msane responded (Tue 2025/07/22 12:35): The Sulphuric Acid Plant engineers were informed and an investigation was conducted thereafter. Meteorological records further indicate that the wind direction at the time in question, as displayed below in Figure 1 & Figure 2, was predominantly blowing from the north and north-north east at an average speed ranging from 4 – 6 m/s (Arboretum) and 4 – 8 m/s (Harbour West). Sulphuric Acid Plant A and C Plants were offline and the Sulphuric Acid B Plant was functioning within the permitted emission limits and no abnormal or upset conditions were present at the time of the exceedance. Considering the conditions of the Plant during the time and the prevailing wind direction, Foskor concludes that it did not contribute to the reported SO ₂ exceedance. There was no root cause identified as there were no abnormalities in the plant furthermore the wind direction was north westerly
152	Foskor - Silungile Msane responded (Tue 2025/07/22 12:37): The Sulphuric Acid Plant engineers were informed and an investigation was conducted thereafter. Meteorological records further indicate that the wind direction at the time in question, as displayed below in Figure 1 & Figure 2, was predominantly blowing from the north north east , in the direction of the Harbour at an average speed ranging from 0.5 – 4 m/s (Arboretum) and 0.5 – 6m/s (Harbour West) Sulphuric Acid Plants were functioning within the permitted emission limits and no abnormal or upset conditions were present at the time of the exceedance. Considering the conditions of the Plant during the time and the prevailing wind direction, Foskor concludes that it did not contribute to the reported SO ₂ exceedance. There was no root cause identified as there were no abnormalities in the plant furthermore the wind direction was Northerly which was blowing towards the Harbour.
153	Mondi - Kira Cobbold responded, (2025/07/23 14:28): Mondi has investigated the following SO ₂ exceedance at Scorpio and based on the prevailing north easterly wind direction Mondi is unlikely the source. Stack emissions were also well within their compliance limits.
154	RBCAA Allocation - Sandy Camminga (2025/08/19 13:54)
155	Mondi - Kira Cobbold responded, (2025/07/25 11:18): Mondi has investigated the SO ₂ exceedance at Scorpio on 24/07/2025 and based on the north easterly wind direction Mondi is unlikely the source. Additionally, SO ₂ stack emissions were also well within their compliance limits, and the mill was operating under stable conditions.
156	Mondi - Kira Cobbold responded, (2025/07/28 11:20): Mondi has investigated the following SO ₂ exceedances and based on wind direction and stable operating conditions at the mill, Mondi is unlikely the source.
157	Mondi - Kira Cobbold responded, (2025/07/28 11:22): Mondi has investigated the following SO ₂ exceedance at Scorpio and based on wind direction and stable operating conditions at the mill, Mondi is unlikely the source.
158	Foskor - Silungile Msane responded (Tue 2025/07/29 10:04): Meteorological data also show that, during the period in question, the wind was primarily blowing from the north-northeast toward the Harbour. As illustrated in Figure 1and Figure 2 below, wind speeds averaged between 0.5 - 2 m/s at the Arboretum station and 0.5- 2 m/s at the CBD station. The Sulphuric Acid Plants were operating within the allowable emission limits, with no abnormal or upset conditions reported during the time of the recorded exceedance. Taking into account the operational status of the plant during the period in question and the prevailing wind direction, Foskor determines that it did not contribute to the reported SO ₂ exceedance. Incident Root cause: There was no root cause identified as there were no abnormalities in the plant furthermore the wind direction was Northerly which was blowing towards the Harbour.

Response	Industry Feedback
159	Foskor - Silungile Msane responded (Tue 2025/07/29 10:05 & 10:08): The Sulphuric Acid Plant engineers were informed, and an investigation was promptly undertaken. Meteorological data indicate that, during the period in question, prevailing winds were predominantly northerly, blowing in the direction of the Harbour. As depicted in Figures 1 and 2 below, average wind speeds ranged between 0.5-4 m/s at the Arboretum station and 0.5-2 m/s at the CBD station. The Sulphuric Acid Plants were operating within the permitted emission limits, and no abnormal or upset conditions were observed during the time of the reported exceedance. Considering the plant's operational status and the prevailing wind direction during the period in question, Foskor concludes that it was not a contributing source to the reported SO₂ exceedance. Incident Root cause There was no root cause identified as there were no abnormalities in the plant furthermore the wind direction was Northerly which was blowing towards the Harbour.
160	South32 - Molebale, Londiwe responded (Tue 2025/07/23 12:12): Based on the GTC's daily trend's above, no plant upsets were noted for SO₂ on the days leading up to the 20th May. Based on the FTC daily trend's above, no plant upsets were noted for SO₂ on the days leading up to the 20th May. Hillside remains committed in ensuring that its operations have no or minimal impact on the environment, based on the investigation conducted on the SO₂ trends and shift reports South32 did not attribute to the SO₂ exceedance on the 20th of May 2025.
161	South32 - Molebale, Londiwe responded (Tue 2025/07/23 12:12): Based on the GTC's daily trend's above, no plant upsets were noted for SO₂ on the days leading up to the 6th of June. SO₂ levels from the FTC's: 1-30 June 202: Based on the FTC daily trend's above, no plant upsets were noted for SO₂ on the days leading up to the 6th of June. Conclusion: Hillside remains committed in ensuring that its operations have no or minimal impact on the environment, based on the investigation conducted on the SO₂ trends and shift reports South32 did not attribute to the SO₂ exceedance on the 6th of June 2025.
162	RBCAA Allocation - Sandy Camminga (2025/07/29 08:40) The attached exceedance reports from S32 refer. As discussed with S32 in our quarterly interface meeting, S32 cannot base their investigation responses solely on online data and the absence of process upsets, as these do not automatically absolve S32 of responsibility. Meteorological data plays a significant role. Based on wind direction S32 would have contributed to the exceedances recorded at Scorpio. The RBCAA will therefore be allocating these exceedances to S32. S32 is kindly requested to include the original notification from AIMS in their responses. I have attached these for your ease of reference. Please amend the attached reports to include this information, and title the reports "Exceedances" not complaints for reference purposes. In view of the above S32 is kindly requested to revisit their findings.
163	Mondi - Kira Cobbold responded, (2025/07/30 09:58): Mondi has investigated the SO₂ exceedance at Scorpio on 29/07/25 and based on north easterly wind direction and stack emissions within compliance limits, Mondi is unlikely the source.
164	Foskor - Silungile Msane responded (Tue 2025/07/30 14:29): The Sulphuric Acid Plant engineers were informed and an investigation was conducted thereafter. Meteorological records further indicate that the wind direction at the time in question, as displayed below in Figure 1 & Figure 2, was predominantly blowing from the north at an average speed ranging from 2 – 6 m/s (Arboretum) and 0.5 – 6 m/s (Harbour West). Additional Information: Sulphuric Acid Plant A was offline and the Sulphuric Acid B and C Plants were functioning within the permitted emission limits and no abnormal or upset conditions were present at the time of the exceedance. Considering the conditions of the Plant during the time and the prevailing wind direction, Foskor concludes that it did not contribute to the reported SO₂ exceedance. Incident Root cause: There was no root cause identified as there were no abnormalities in the plant furthermore the wind direction was northerly.
165	RBCAA Allocation - Sandy Camminga (2025/08/06 23:24): Please allocate the outstanding SO₂ exceedances recorded at Scorpio for June and July to SOUTH32 based on wind direction.
166	South32 - Molebale, Londiwe responded (Tue 2025/08/11 15:55): No abnormalities noted on the trends nor from the plant shift reports on the GTC's. No abnormalities noted on the trends nor from the plant shift reports on the GTC's. Conclusion Hillside remains committed in ensuring that its operations have no or minimal impact on the environment, based on the investigation conducted on the SO₂ trends and shift reports there were no plant upsets however South32 may have attributed to the cumulative impact based on wind direction.
167	South32 - Molebale, Londiwe responded (Tue 2025/08/11 15:55): No abnormalities noted on the trends nor from the plant shift reports on the GTC's. No abnormalities noted on the trends nor from the plant shift reports on the GTC's. Conclusion Hillside remains committed in ensuring that its operations have no or minimal impact on the environment, based on the investigation conducted on the SO₂ trends and shift reports there were no plant upsets however South32 may have attributed to the cumulative impact based on wind direction.

Response	Industry Feedback
168	Mondi - Kira Cobbold responded, (2025/09/16 14:04): Mondi has investigated the SO ₂ exceedance at Scorpio and based on north easterly wind direction Mondi is unlikely the root cause.
169	Mondi - Kira Cobbold responded, (2025/09/12 09:36): Mondi has investigated the SO ₂ exceedance at Scorpio and, given the planned mill shutdown from 15–17 September as communicated with the authorities, Mondi is unlikely to have been the source.
170	Mondi - Kira Cobbold responded, (2025/09/12 09:40): Mondi has investigated the SO ₂ exceedance at Scorpio and, given the planned mill shutdown from 15–17 September as communicated with the authorities, Mondi is unlikely to have been the source.
171	Foskor - Silungile Msane responded (2025/09/30 16:12): Immediate Actions Taken: The Sulphuric Acid Plant engineers were informed and an investigation was conducted thereafter. Meteorological records further indicate that the wind direction at the time in question, as displayed below in Figure 1 & Figure 2, was predominantly blowing from the north at an average speed ranging from 0.5- 8 m/s (Arboretum) and 0.5- 8 m/s (Harbour West). Additional Information: Upon investigation, it was identified that Foskor experienced no operational disturbances during the time of the recorded exceedance. The prevailing wind direction and the state of the operations at that period suggest that Foskor did not contribute to the exceedance. Incident Root cause: There was no root cause identified as there were no abnormalities in the plant.
172	Foskor - Silungile Msane responded (2025/09/30 16:14): Immediate Actions Taken: The Sulphuric Acid Plant engineers were informed and an investigation was conducted thereafter. Meteorological records further indicate that the wind direction at the time in question, as displayed below in Figure 1 & Figure 2, was predominantly blowing from the south (towards CBD) at an average speed ranging from 0.5-8 m/s (Harbour West) and 0.5- 6 m/s (Arboretum). Additional Information: Upon investigation, it was identified that no abnormal operating conditions were experienced at Foskor during the reporting period, the prevailing wind direction at the time suggests Foskor may have influenced the recorded exceedance at the monitoring point. Incident Root cause: There was no root cause identified as there were no abnormalities in the plant.
173	South32 - Molebale, Londiwe responded, (2025/10/09 16:30): Hillside Aluminium had a planned maintenance scheduled on FTC 1 for 24 hours on 16 September 2025, FTC 1 was on complete shutdown. As the furnaces were venting there was no treatment, the wind direction on the day was NNE as depicted in the Windrose. This resulted in the SO ₂ exceedance noted at Scorpio station on 15-16 September 2025.
174	Mondi - Kira Cobbold responded, (2025/10/08 09:27): Mondi has investigated the SO ₂ exceedance on 07/10 and based on wind direction, is unlikely to be the source.
175	Foskor - Kirona Harrypersad responded (2025/10/13 07:58): The Sulphuric Acid Plant engineers were informed and an investigation was conducted thereafter. Meteorological records further indicate that the wind direction at the time in question, as displayed below in Figure 1 & Figure 2, was predominantly blowing from the south at an average speed ranging from 2 – 6 m/s (Arboretum) and 2 – 4 m/s (Harbour West). Upon investigation, it was identified that no abnormal operating conditions were experienced at Foskor during the reporting period, the prevailing wind direction at the time suggests Foskor may have influenced the recorded exceedance at the monitoring point. Incident Root cause: There was no root cause identified as there were no abnormalities in the plant.
176	Mondi - Kira Cobbold responded, (2025/10/21 11:02): Mondi has investigated the SO ₂ exceedances (10-min, hourly & daily) on 20/10/25 and based on stable operations and a south westerly to southerly wind direction, Mondi is unlikely the source.
177	Foskor - Silungile Msane responded (2025/10/22 16:28, 16:30 and 16:30): The Sulphuric Acid Plant engineers were informed and an investigation was conducted thereafter. Meteorological records further indicate that the wind direction at the time in question, as displayed below in Figure 1 & Figure 2, was predominantly blowing from the south at an average speed ranging from 4-6 m/s (Arboretum) and 2-6 m/s (Harbour West). Additional Information The prevailing wind direction at the time suggests that Foskor may have influenced the recorded exceedance at the monitoring point. Incident Root cause: Upon investigation it was found that there was a loss of gas containment due to a failure on the weld of the C Plant boiler hot box. Once the source was identified the hot box was repaired. Corrective/Preventative Actions: • The boiler hot box was rewelded. « The boiler hot box to be replaced during the next shutdown.

Response	Industry Feedback
178	Grindrod - Sibahle Dladla responded (2025/11/25 18:49): Please note that at 15h50 a fire incident occurred at the Valley terminal resulting in smoke. The Valley terminal stores Sulphur. The local fire department was immediately notified of the incident. They have been onsite to ensure the situation is under control. An investigation will be done to determine the root cause of the incident. A detailed report will be shared upon investigation. RBCAA - Sandy Camminga (2026/01/14 12:30): Grindrod incident investigation report received (signed on 2025/12/09) Background of the incident: During a sulphur cleaning activity at shed C (Valley), the operator was using a Front-End Loader (FEL) to push and scrape ground level sulphur to dispose in preparation for the next vessel. At approximately 15h50 while carrying out this activity, friction between concrete and FEL steel bucket caused sparks which spontaneously ignited the sulphur pile immediately producing thick smoke. The accumulation of smoke was sudden drastically reducing visibility of the fire source. Root cause: Ignition of accumulated sulphur sweepings due to mechanical friction and heat generated by 4 hours the FEL during cleaning inside a Shed. The FEL bucket caused friction sparks during scrapping of material on the concrete surface. Conclusion: The Sulphur fire caused excessive smoke which caused poor visibility in the Shed and delayed extinguishing. Smoke drifted beyond the site boundaries before suppression was completed. SO₂ gas was emitted from the Shed. Complaints of sulphur odour were logged by residents from Arboretum and Richardia.
179	Mondi - Kira Cobbold responded, (2025/10/27 10:51): Mondi has investigated all SO ₂ exceedances on 25/11/25 and based on normal operating conditions of the power boilers, SO ₂ stack emissions within their compliance limits, and all other plants being offline due to AS2025, Mondi is unlikely the source.
180	Mondi - Kira Cobbold responded, (2025/10/27 13:51): Mondi has investigated the SO ₂ exceedance on 26/11/25 and based on wind direction, normal operating conditions of the power boilers, SO ₂ stack emissions within their compliance limits, and all other plants being offline due to AS2025, Mondi is unlikely the source.
181	Mondi - Kira Cobbold responded, (2025/10/28 13:41): Mondi has investigated the SO ₂ exceedances on 27/11/25 and based on wind direction, normal operating conditions of the power boilers, SO ₂ stack emissions within their compliance limits, and all other plants being offline due to AS2025, Mondi is unlikely the source.
182	Mondi - Kira Cobbold responded, (2025/12/01 10:09): Based on the north easterly wind direction and normal operating conditions of power boilers, Mondi is unlikely the source for the SO ₂ exceedance observed.
183	RBCAA Allocation - Sandy Camminga (2025/12/02 15:30): Calms
184	RBCAA Allocation - Sandy Camminga (2025/12/02 15:30): WD

APPENDIX J
TRS EXCEEDANCE LOG

Table 1: TRS Exceedances.

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
			January 2025						
1	TRS 24-hr-MECP Limit (10.1 ppb)	CBD	2025/01/12 00:00	10.6	181	3.2	Mondi	Secondary Effluent Treatment Plant	602
2	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 07:30	12.1	193	5.4	Mondi	Secondary Effluent Treatment Plant	602
3	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/12 07:30	17.7	202	4.2	Mondi	Secondary Effluent Treatment Plant	602
4	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 07:40	17.8	208	3.5	Mondi	Secondary Effluent Treatment Plant	602
5	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 07:50	23.1	203	3.8	Mondi	Secondary Effluent Treatment Plant	602
6	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 08:00	30.7	178	4.9	Mondi	Secondary Effluent Treatment Plant	602
7	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/12 08:00	39.9	176	4.5	Mondi	Secondary Effluent Treatment Plant	602
8	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 08:10	42.1	181	4.6	Mondi	Secondary Effluent Treatment Plant	602
9	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 08:20	46.8	169	3.9	Mondi	Secondary Effluent Treatment Plant	602
10	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 08:30	38.4	184	4.8	Mondi	Secondary Effluent Treatment Plant	602
11	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/12 08:30	33.7	187	4.7	Mondi	Secondary Effluent Treatment Plant	602
12	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 08:40	30.8	189	4.8	Mondi	Secondary Effluent Treatment Plant	602
13	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 08:50	31.9	187	4.6	Mondi	Secondary Effluent Treatment Plant	602
14	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 09:00	38.1	177	3.6	Mondi	Secondary Effluent Treatment Plant	602
15	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/12 09:00	40.7	169	4.0	Mondi	Secondary Effluent Treatment Plant	602
16	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 09:10	42.3	170	4.4	Mondi	Secondary Effluent Treatment Plant	602
17	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 09:20	41.7	160	4.1	Mondi	Secondary Effluent Treatment Plant	602
18	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 09:30	41.3	167	3.5	Mondi	Secondary Effluent Treatment Plant	602
19	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/12 09:30	37.7	172	3.0	Mondi	Secondary Effluent Treatment Plant	602

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
20	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 09:40	38.0	169	2.9	Mondi	Secondary Effluent Treatment Plant	602
21	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 09:50	33.8	179	2.6	Mondi	Secondary Effluent Treatment Plant	602
22	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 10:00	31.4	181	2.4	Mondi	Secondary Effluent Treatment Plant	602
23	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/12 10:00	30.2	169	1.8	Mondi	Secondary Effluent Treatment Plant	602
24	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 10:10	30.1	173	1.7	Mondi	Secondary Effluent Treatment Plant	602
25	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 10:20	29.0	152	1.2	Mondi	Secondary Effluent Treatment Plant	602
26	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 10:30	29.2	160	1.4	Mondi	Secondary Effluent Treatment Plant	602
27	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/12 10:30	28.8	190	2.3	Mondi	Secondary Effluent Treatment Plant	602
28	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 10:40	28.6	204	2.5	Mondi	Secondary Effluent Treatment Plant	602
29	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 10:50	28.6	199	3.2	Mondi	Secondary Effluent Treatment Plant	602
30	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 11:00	28.1	206	3.9	Mondi	Secondary Effluent Treatment Plant	602
31	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/12 11:00	27.6	201	3.6	Mondi	Secondary Effluent Treatment Plant	602
32	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 11:10	27.6	199	3.6	Mondi	Secondary Effluent Treatment Plant	602
33	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 11:20	27.0	198	3.1	Mondi	Secondary Effluent Treatment Plant	602
34	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 11:30	27.0	197	3.6	Mondi	Secondary Effluent Treatment Plant	602
35	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/12 11:30	26.7	195	5.4	Mondi	Secondary Effluent Treatment Plant	602
36	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 11:40	26.8	199	4.0	Mondi	Secondary Effluent Treatment Plant	602
37	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 11:50	26.3	189	8.4	Mondi	Secondary Effluent Treatment Plant	602
38	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 12:00	25.6	192	2.7	Mondi	Secondary Effluent Treatment Plant	602
39	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/12 12:00	25.7	188	2.9	Mondi	Secondary Effluent Treatment Plant	602
40	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 12:10	25.7	192	2.8	Mondi	Secondary Effluent Treatment Plant	602
41	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 12:20	25.7	180	3.2	Mondi	Secondary Effluent Treatment Plant	602
42	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 12:30	25.0	178	3.4	Mondi	Secondary Effluent Treatment Plant	602

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
43	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/12 12:30	24.8	181	3.5	Mondi	Secondary Effluent Treatment Plant	602
44	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 12:40	24.8	180	3.2	Mondi	Secondary Effluent Treatment Plant	602
45	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 12:50	24.6	186	3.9	Mondi	Secondary Effluent Treatment Plant	602
46	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 13:00	23.9	179	3.8	Mondi	Secondary Effluent Treatment Plant	602
47	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/12 13:00	23.9	183	3.3	Mondi	Secondary Effluent Treatment Plant	602
48	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 13:10	23.9	187	2.8	Mondi	Secondary Effluent Treatment Plant	602
49	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 13:20	23.8	184	3.2	Mondi	Secondary Effluent Treatment Plant	602
50	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 13:30	22.0	184	3.5	Mondi	Secondary Effluent Treatment Plant	602
51	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/12 13:30	20.7	181	3.2	Mondi	Secondary Effluent Treatment Plant	602
52	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 13:40	20.5	181	3.0	Mondi	Secondary Effluent Treatment Plant	602
53	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 13:50	19.5	179	3.1	Mondi	Secondary Effluent Treatment Plant	602
54	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 14:00	17.4	181	2.7	Mondi	Secondary Effluent Treatment Plant	602
55	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/12 14:00	16.5	180	2.8	Mondi	Secondary Effluent Treatment Plant	602
56	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 14:10	16.3	180	3.2	Mondi	Secondary Effluent Treatment Plant	602
57	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 14:20	15.9	179	2.4	Mondi	Secondary Effluent Treatment Plant	602
58	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 14:30	15.3	178	3.4	Mondi	Secondary Effluent Treatment Plant	602
59	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/12 14:30	13.6	169	3.5	Mondi	Secondary Effluent Treatment Plant	602
60	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 14:40	13.3	168	3.8	Mondi	Secondary Effluent Treatment Plant	602
61	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 14:50	12.4	162	3.5	Mondi	Secondary Effluent Treatment Plant	602
62	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 15:00	11.5	166	3.9	Mondi	Secondary Effluent Treatment Plant	602
63	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/12 15:00	10.5	163	3.6	Mondi	Secondary Effluent Treatment Plant	602
64	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 15:10	10.4	165	3.8	Mondi	Secondary Effluent Treatment Plant	602
65	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/12 15:20	9.6	158	3.1	Mondi	Secondary Effluent Treatment Plant	602

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
66	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/12 15:30	8.9	166	3.5	Mondi	Secondary Effluent Treatment Plant	602
67	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/12 16:00	7.4	165	3.2	Mondi	Secondary Effluent Treatment Plant	602
68	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/12 16:30	7.3	163	3.2	Mondi	Secondary Effluent Treatment Plant	602
69	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/12 17:00	7.0	156	2.9	Mondi	Secondary Effluent Treatment Plant	602
70	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/12 17:30	6.4	148	3.0	Mondi	Secondary Effluent Treatment Plant	602
71	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/12 18:00	5.2	147	2.5	Mondi	Secondary Effluent Treatment Plant	602
72	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/16 02:30	5.1	238	19.9	Mondi	Secondary Effluent Treatment Plant	603
73	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/21 19:00	7.4	258	2.7	Mondi	B Condnesate to drain	604
74	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/21 19:30	7.7	274	2.3	Mondi	B Condnesate to drain	604
75	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/21 20:00	9.3	269	1.8	Mondi	B Condnesate to drain	604
76	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/21 20:10	9.5	268	1.7	Mondi	B Condnesate to drain	604
77	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/21 20:20	10.4	274	2.1	Mondi	B Condnesate to drain	604
78	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/28 02:00	5.5	267	1.3	Mondi	Secondary Effluent Treatment Plant	605
79	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/28 03:30	5.4	256	1.9	Mondi	Secondary Effluent Treatment Plant	605
80	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/29 01:30	5.1	248	1.2	Mondi	Secondary Effluent Treatment Plant	606
81	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/29 03:00	5.8	270	2.4	Mondi	Secondary Effluent Treatment Plant	606
82	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/29 03:30	5.8	261	1.7	Mondi	Secondary Effluent Treatment Plant	606
83	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/29 06:00	10.8	261	2.3	Mondi	Secondary Effluent Treatment Plant	606
84	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/29 06:00	10.0	264	2.4	Mondi	Secondary Effluent Treatment Plant	606
85	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/29 06:10	9.4	264	2.4	Mondi	Secondary Effluent Treatment Plant	606
86	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/01/29 06:20	10.0	266	2.6	Mondi	Secondary Effluent Treatment Plant	606
87	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/29 06:30	5.6	264	2.7	Mondi	Secondary Effluent Treatment Plant	606
88	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/01/29 07:00	7.4	260	3.3	Mondi	Secondary Effluent Treatment Plant	606

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
89	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/01/24 04:00	6.5	244	0.9	THS - meteorology	RBCAA allocation	588, 607, 611
90	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/01/24 04:20	12.8	21	0.5	THS - meteorology	RBCAA allocation	588, 607, 611
91	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/01/24 20:00	11.0	183	1.2	THS - meteorology	RBCAA allocation	588, 607, 611
92	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/01/20 19:30	6.3	170	1.9	Mondi	Non-condensable gas system	608
93	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/01/20 19:50	11.6	172	1.9	Mondi	Non-condensable gas system	608
94	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/01/20 20:00	10.1	181	1.7	Mondi	Non-condensable gas system	608
95	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/01/20 20:00	9.0	182	1.6	Mondi	Non-condensable gas system	608
96	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/01/20 20:10	10.1	183	1.6	Mondi	Non-condensable gas system	608
97	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/01/20 20:30	6.0	189	1.5	Mondi	Non-condensable gas system	608
98	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/01/20 21:00	5.3	206	1.6	Mondi	Non-condensable gas system	608
99	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/01/27 07:00	5.1	281	2.3	Mondi	Methanol	609
			February 2025						
1	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/02 04:00	5.5	360	1.0	Mondi	Non-condensable Gas system	610
2	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/15 20:30	5.1	259	1.9	Mondi	Based on meteorology	613
3	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/15 22:30	5.9	266	2.6	Mondi	Based on meteorology	613
4	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/24 20:30	6.0	263	2.5	Mondi	SETP	831
5	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/24 21:00	7.5	265	2.4	Mondi	SETP	831
6	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/24 21:30	7.4	252	2.2	Mondi	SETP	831
7	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/25 00:30	7.7	256	2.9	Mondi	Secondary Effluent Treatment Plant	615
8	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/02/25 00:40	10.1	255	2.8	Mondi	Secondary Effluent Treatment Plant	615
9	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/25 02:30	6.4	256	2.4	Mondi	Secondary Effluent Treatment Plant	615
10	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/25 03:00	5.2	258	1.9	Mondi	Secondary Effluent Treatment Plant	615
11	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/25 06:30	5.7	262	2.8	Mondi	Secondary Effluent Treatment Plant	615

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
12	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/25 07:00	7.0	262	2.6	Mondi	Secondary Effluent Treatment Plant	615
13	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/27 02:00	8.3	262	2.8	Mondi	Softwood (SW) blowdowns	616
14	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/02/27 02:20	9.6	260	2.8	Mondi	Softwood (SW) blowdowns	616
15	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/27 05:30	5.3	262	3.8	Mondi	Softwood (SW) blowdowns	616
16	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/27 22:30	5.8	286	2.1	Mondi	Softwood (SW) blowdowns	616
17	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/02/27 22:50	10.7	289	2.0	Mondi	Softwood (SW) blowdowns	616
18	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/27 23:00	5.6	293	2.0	Mondi	Softwood (SW) blowdowns	616
19	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/28 00:30	7.5	266	4.4	Mondi	Softwood (SW) blowdowns	617
20	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/02/28 00:50	9.4	266	4.5	Mondi	Softwood (SW) blowdowns	617
21	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/28 01:00	8.1	260	3.7	Mondi	Softwood (SW) blowdowns	617
22	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/28 02:00	8.3	256	2.5	Mondi	Softwood (SW) blowdowns	617
23	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/02/28 02:30	10.2	249	2.0	Mondi	Softwood (SW) blowdowns	617
24	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/28 02:30	6.6	270	2.0	Mondi	Softwood (SW) blowdowns	617
25	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/28 04:00	7.8	243	1.3	Mondi	Softwood (SW) blowdowns	617
26	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/02/28 04:20	10.2	238	1.2	Mondi	Softwood (SW) blowdowns	617
27	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/02/28 04:30	11.4	256	1.1	Mondi	Softwood (SW) blowdowns	617
28	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/28 04:30	12.0	251	2.2	Mondi	Softwood (SW) blowdowns	617
29	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/02/28 04:40	13.9	237	2.3	Mondi	Softwood (SW) blowdowns	617
30	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/02/28 04:50	10.8	259	3.1	Mondi	Softwood (SW) blowdowns	617
31	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/28 06:30	5.1	259	2.8	Mondi	Softwood (SW) blowdowns	617
32	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/28 20:30	9.2	270	2.2	Mondi	Softwood (SW) blowdowns	617
33	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/02/28 20:40	11.0	264	2.4	Mondi	Softwood (SW) blowdowns	617
34	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/28 21:00	7.7	283	1.9	Mondi	Softwood (SW) blowdowns	617

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
35	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/02/28 21:30	7.3	265	3.0	Mondi	Softwood (SW) blowdowns	617
36	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/02/14 21:00	7.0	169	1.4	Mondi	Secondary Effluent Treatment Plant	612
37	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/02/14 23:00	8.0	182	1.0	Mondi	Secondary Effluent Treatment Plant	612
38	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/02/23 01:30	9.4	220	3.5	Mondi	Secondary Effluent Treatment Plant	614
39	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/02/23 01:30	7.8	222	3.6	Mondi	Secondary Effluent Treatment Plant	614
40	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/02/28 22:00	5.8	241	2.9	Mondi	Softwood (SW) blowdowns	617
41	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/02/28 22:30	5.9	243	3.5	Mondi	Softwood (SW) blowdowns	617
42	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/02/28 23:00	6.6	243	3.5	Mondi	Softwood (SW) blowdowns	617
43	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/02/28 23:30	6.2	236	4.0	Mondi	Softwood (SW) blowdowns	617
March 2025									
1	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/03/01 00:00	9.4	257	2.9	Mondi	Softwood (SW) blowdowns	618
2	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/03/01 00:10	10.3	256	2.9	Mondi	Softwood (SW) blowdowns	618
3	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/03/01 03:00	5.3	298	1.1	Mondi	Softwood (SW) blowdowns	618
4	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/03/02 21:00	10.5	267	2.2	Mondi	Root cause no identified	619
5	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/03/02 21:20	21.4	256	1.6	Mondi	Root cause no identified	619
6	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/03/02 21:30	21.5	255	2.0	Mondi	Root cause no identified	619
7	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/03/02 21:30	10.3	247	2.3	Mondi	Root cause no identified	619
8	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/03/02 23:00	6.7	273	1.4	Mondi	Root cause no identified	619
9	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/03/02 23:30	14.1	243	1.9	Mondi	Root cause no identified	619
10	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/03/02 23:30	9.4	255	1.8	Mondi	Root cause no identified	619
11	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/03/03 00:00	11.1	259	1.6	Mondi	Root cause no identified	620
12	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/03/03 00:00	9.2	263	1.7	Mondi	Root cause no identified	620
13	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/03/03 00:30	9.7	274	1.2	Mondi	Root cause no identified	620
14	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/03/03 00:30	8.4	276	1.5	Mondi	Root cause no identified	620

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
15	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/03/03 00:40	9.5	292	1.5	Mondi	Root cause no identified	620
16	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/03/03 01:30	5.7	286	1.3	Mondi	Root cause no identified	620
17	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/03/03 02:00	6.2	259	1.0	Mondi	Root cause no identified	620
18	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/03/08 02:00	5.8	No data	0.7	Mondi	Poor effluent quality	621
19	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/03/08 02:30	7.9	237	1.0	Mondi	Poor effluent quality	621
20	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/03/08 02:40	11.2	234	1.0	Mondi	Poor effluent quality	621
21	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/03/08 03:30	5.2	263	1.5	Mondi	Poor effluent quality	621
22	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/03/12 04:30	5.1	269	3.8	Mondi	Over-pressurisation of the CPX tank	622
23	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/03/12 07:00	5.5	261	2.6	Mondi	Over-pressurisation of the CPX tank	622
24	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/03/13 15:00	5.2	97	3.2	RBCAA allocation	Local Source - unknown	623, 624, 626, 630
25	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/03/20 01:00	8.6	17	0.3	RBCAA allocation	Local Source - unknown	624, 625, 626, 630
26	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/03/20 01:20	14.3	11	0.2	RBCAA allocation	Local Source - unknown	624, 625, 626, 630
27	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/03/20 01:30	5.7	354	0.3	RBCAA allocation	Local Source - unknown	624, 625, 626, 630
28	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/03/20 04:00	9.7	17	0.2	RBCAA allocation	Local Source - unknown	624, 625, 626, 630
29	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/03/20 04:20	18.6	6	0.2	RBCAA allocation	Local Source - unknown	624, 625, 626, 630
30	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/03/20 04:30	9.2	12	0.2	RBCAA allocation	Local Source - unknown	624, 625, 626, 630
31	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/03/20 04:40	14.2	7	0.2	RBCAA allocation	Local Source - unknown	624, 625, 626, 630
32	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/03/20 05:00	7.4	353	0.5	RBCAA allocation	Local Source - unknown	624, 625, 626, 630
33	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/03/20 05:30	5.7	317	0.5	RBCAA allocation	Local Source - unknown	624, 625, 626, 630
34	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/03/20 07:00	7.8	72	1.1	RBCAA allocation	Local Source - unknown	624, 625, 626, 630
35	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/03/20 07:20	10.9	63	1.5	RBCAA allocation	Local Source - unknown	624, 625, 626, 630
36	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/03/01 04:00	6.9	No data	0.6	Mondi	Softwood (SW) blowdowns	618
37	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/03/01 04:30	5.1	No data	0.4	Mondi	Softwood (SW) blowdowns	618

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
38	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/03/01 05:30	6.3	No data	0.1	Mondi	Softwood (SW) blowdowns	618
			April 2025						
1	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/04/01 17:30	5.2	257	3.7	Mondi	Increased TRS levels at the effluent stack	627
2	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/04/01 18:00	5.4	246	4.4	Mondi	Increased TRS levels at the effluent stack	627
3	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/04/14 05:30	5.4	295	1.7	Mondi	Ruptured bursting disc on the non-condensable gas line to the flare	633
4	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/04/14 06:00	11.3	284	1.2	Mondi	Ruptured bursting disc on the non-condensable gas line to the flare	633
5	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/04/14 06:00	13.1	285	1.0	Mondi	Ruptured bursting disc on the non-condensable gas line to the flare	633
6	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/04/14 06:10	13.0	No Data	0.8	Mondi	Ruptured bursting disc on the non-condensable gas line to the flare	633
7	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/04/14 06:20	15.0	281	1.0	Mondi	Ruptured bursting disc on the non-condensable gas line to the flare	633
8	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/04/14 06:30	10.8	286	1.5	Mondi	Ruptured bursting disc on the non-condensable gas line to the flare	633
9	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/04/14 06:30	7.1	274	2.0	Mondi	Ruptured bursting disc on the non-condensable gas line to the flare	633
10	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/04/28 20:00	6.4	276	1.3	Mondi	Mondi - meteorology	646
11	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/04/28 20:20	10.1	271	1.2	Mondi	Mondi - meteorology	646
12	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/04/28 20:30	6.4	287	1.0	Mondi	Mondi - meteorology	646
13	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/04/28 23:00	10.8	263	1.6	Mondi	Mondi - meteorology	646
14	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/04/28 23:00	9.6	268	1.4	Mondi	Mondi - meteorology	646
15	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/04/28 23:10	10.0	270	1.5	Mondi	Mondi - meteorology	646
16	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/04/29 02:30	5.5	No data	0.7	Mondi	Mondi - meteorology	644
17	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/04/30 02:30	6.1	232	1.8	Mondi	Secondary Effluent Treatment Plant	639
18	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/04/07 02:30	11.9	251	1.5	Unresolved	Responded: Mondi, Mpact and THS	629, 631, 632,702
19	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/04/07 02:30	13.6	293	1.4	Unresolved	Responded: Mondi, Mpact and THS	629, 631, 632,702
20	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/04/07 02:40	18.6	301	1.1	Unresolved	Responded: Mondi, Mpact and THS	629, 631, 632,702
21	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/04/07 02:50	10.3	331	1.7	Unresolved	Responded: Mondi, Mpact and THS	629, 631, 632,702
22	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/04/07 03:30	14.8	41	1.0	Unresolved	Responded: Mondi, Mpact and THS	629, 631, 632,702

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
23	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/04/07 03:30	10.1	14	1.5	Unresolved	Responded: Mondi, Mpact and THS	629, 631, 632, 702
24	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/04/07 04:00	5.3	18	2.9	Unresolved	Responded: Mondi, Mpact and THS	629, 631, 632, 702
25	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/04/20 05:00	13.3	352	3.0	THS	Steam trails and commissioning	636,641, 643, 702
26	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/04/20 05:00	10.7	325	2.6	THS	Steam trails and commissioning	636,641, 643, 702
27	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/04/20 05:10	11.2	338	2.8	THS	Steam trails and commissioning	636,641, 643, 702
28	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/04/20 05:30	9.8	10	3.1	THS	Steam trails and commissioning	636,641, 643, 702
29	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/04/20 05:30	8.5	18	2.6	THS	Steam trails and commissioning	636,641, 643, 702
30	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/04/20 07:00	13.4	61	0.6	THS	Steam trails and commissioning	636,641, 643, 702
31	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/04/20 07:10	21.0	49	0.9	THS	Steam trails and commissioning	636,641, 643, 702
32	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/04/20 07:20	10.4	53	0.4	THS	Steam trails and commissioning	636,641, 643, 702
33	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/04/24 00:00	10.1	337	0.2	THS	Steam trails and commissioning	635, 643, 649, 702
34	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/04/24 00:00	6.9	309	0.7	THS	Steam trails and commissioning	635, 643, 649, 702
35	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/04/03 17:00	15.7	357	1.3	Mondi	Elevated H ₂ S levels	628
36	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/04/03 17:10	12.2	336	1.0	Mondi	Elevated H ₂ S levels	628
37	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/04/03 17:20	27.6	343	1.3	Mondi	Elevated H ₂ S levels	628
38	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/04/03 17:30	13.0	320	1.0	Mondi	Elevated H ₂ S levels	628
39	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/04/03 17:30	5.4	311	1.2	Mondi	Elevated H ₂ S levels	628
40	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/04/06 18:30	23.2	138	1.0	Mondi	Non-condensable Gas system	640
41	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/04/06 18:50	59.7	150	1.0	Mondi	Non-condensable Gas system	640
42	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/04/06 19:00	37.9	185	1.4	Mondi	Non-condensable Gas system	640
43	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/04/06 19:00	30.3	188	1.2	Mondi	Non-condensable Gas system	640
44	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/04/06 19:10	30.4	188	1.2	Mondi	Non-condensable Gas system	640
45	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/04/06 19:20	22.7	192	1.1	Mondi	Non-condensable Gas system	640

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
46	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/04/06 19:30	20.5	198	1.3	Mondi	Non-condensable Gas system	640
47	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/04/06 19:30	12.6	191	1.1	Mondi	Non-condensable Gas system	640
48	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/04/06 19:40	10.0	185	1.0	Mondi	Non-condensable Gas system	640
49	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/04/16 00:00	6.1	225	2.5	Mondi	Unstable mill conditions during restart	634
50	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/04/16 02:00	5.8	148	1.8	Mondi	Unstable mill conditions during restart	634
			May 2025						
1	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/05/26 19:30	5.2	254	1.7	Mondi	Root cause has not yet been confirmed	655
2	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/05/26 20:00	5.3	277	1.8	Mondi	Root cause has not yet been confirmed	655
3	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/05/20 04:00	5.1	24	1.6	Mondi	Secondary Effluent Treatment Plant	645, 651
4	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/05/26 05:30	6.1	98	1.2	Unresolved	Responded: Mpact, THS, Mondi	653, 687, 655
5	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/05/29 06:00	13.5	20	1.9	Mondi	Mondi - meteorology	654, 660
6	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/05/29 06:00	10.5	59	1.6	Mondi	Mondi - meteorology	654, 660
7	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/05/29 06:20	12.2	95	1.8	Mondi	Mondi - meteorology	654, 660
8	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/05/29 06:30	15.3	53	1.9	Mondi	Mondi - meteorology	654, 660
9	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/05/29 06:30	8.9	49	1.7	Mondi	Mondi - meteorology	654, 660
10	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/05/29 06:40	9.7	49	1.8	Mondi	Mondi - meteorology	654, 660
11	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/05/13 23:00	10.2	165	0.6	THS	Plant start up. Coal operated	637, 638, 670, 687
12	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/05/13 23:00	7.4	144	0.5	THS	Plant start up. Coal operated	637, 638, 670, 687
13	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/05/19 16:50	10.8	91	1.3	Mondi	NCGs vented through the carbon filter	642, 650
14	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/05/21 17:00	5.2	223	6.7	THS	Smut plant	647, 648, 670, 687
15	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/05/21 18:00	5.4	224	6.2	THS	Smut plant	647, 648, 670, 687
16	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/05/26 07:30	5.3	174	1.1	THS	Smut plant	652, 655, 670, 687
17	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/05/26 08:00	8.6	214	0.9	THS	Smut plant	652, 655, 670, 687
18	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/05/26 08:10	13.1	188	0.6	THS	Smut plant	652, 655, 670, 687

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
19	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/05/26 08:20	9.4	252	1.3	THS	Smut plant	652, 655, ~~670~~ , 687
20	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/05/29 23:00	6.9	202	1.1	THS	Smut plant	654, 660, ~~670~~ , 687
21	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/05/29 23:20	9.7	231	1.1	THS	Smut plant	654, 660, ~~670~~ , 687
22	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/05/29 23:30	10.5	193	0.6	THS	Smut plant	654, 660, ~~670~~ , 687
23	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/05/29 23:40	9.9	185	0.5	THS	Smut plant	654, 660, ~~670~~ , 687
24	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/05/29 23:50	13.0	164	0.5	THS	Smut plant	654, 660, ~~670~~ , 687
25	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/05/30 00:00	6.9	239	1.6	THS	Smut plant	657, 663, ~~670~~ , 687
26	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/05/30 04:30	11.5	206	1.3	THS	Smut plant	657, 663, ~~670~~ , 687
27	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/05/30 04:40	20.1	122	1.0	THS	Smut plant	657, 663, ~~670~~ , 687
28	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/05/31 07:30	7.5	206	1.2	THS	Smut plant	659, 662, ~~670~~ , 687
29	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/05/31 08:00	10.3	170	0.9	THS	Smut plant	659, 662, ~~670~~ , 687
30	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/05/31 08:00	13.2	126	1.1	THS	Smut plant	659, 662, ~~670~~ , 687
31	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/05/31 08:10	23.5	124	0.9	THS	Smut plant	658, ~~670~~ , 687
32	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/05/26 21:00	6.3	281	2.3	Mondi	Root cause has not yet been confirmed	655
33	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/05/26 21:30	6.6	294	2.0	Mondi	Root cause has not yet been confirmed	655
34	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/05/30 22:30	5.2	283	2.6	Mondi	Root cause has not yet been confirmed	657, 663
June 2025									
1	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/01 21:00	5.3	262	1.2	Mondi	Root cause has not yet been confirmed	661, 664
2	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/01 21:20	9.9	275	1.1	Mondi	Root cause has not yet been confirmed	661, 664
3	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/01 21:30	15.5	305	1.1	Mondi	Root cause has not yet been confirmed	661, 664
4	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/01 21:30	11.5	#N/A	0.7	Mondi	Root cause has not yet been confirmed	661, 664
5	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/01 21:40	12.4	290	0.5	Mondi	Root cause has not yet been confirmed	661, 664
6	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/03 23:30	7.8	266	2.2	Mondi	Mondi meteorology + Mill unstable operational conditions	665, 671
7	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/03 23:40	9.4	266	1.9	Mondi	Mondi meteorology + Mill unstable operational conditions	665, 671

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
8	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/04 02:00	5.3	267	3.1	Mondi	Mondi meteorology + Mill unstable operational conditions	666, 671
9	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/04 02:30	6.4	260	2.7	Mondi	Mondi meteorology + Mill unstable operational conditions	666, 671
10	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/04 04:00	5.6	263	2.6	Mondi	Mondi meteorology + Mill unstable operational conditions	666, 671
11	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/04 04:30	6.7	259	2.6	Mondi	Mondi meteorology + Mill unstable operational conditions	666, 671
12	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/04 07:30	5.6	267	3.7	Mondi	Mondi meteorology + Mill unstable operational conditions	666, 671
13	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/04 14:00	9.4	214	2.0	Mondi	Mondi meteorology + Mill unstable operational conditions	666, 671
14	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/04 14:00	7.4	215	2.5	Mondi	Mondi meteorology + Mill unstable operational conditions	666, 671
15	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/08 20:00	6.5	250	1.6	Mondi	Methanol leak	669, 678, 687
16	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/08 20:30	5.3	256	2.3	Mondi	Methanol leak	669, 678, 687
17	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/08 21:00	7.1	271	2.1	Mondi	Methanol leak	669, 678, 687
18	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/08 21:30	5.1	268	1.8	Mondi	Methanol leak	669, 678, 687
19	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/08 22:00	6.4	256	2.1	Mondi	Methanol leak	669, 678, 687
20	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/08 23:30	7.6	260	2.6	Mondi	Methanol leak	669, 678, 687
21	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/09 00:00	6.7	266	2.4	Mondi	Methanol leak	673, 674, 687
22	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/09 00:30	5.1	255	2.0	Mondi	Methanol leak	673, 674, 687
23	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/09 01:30	6.5	268	2.8	Mondi	Methanol leak	673, 674, 687
24	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/09 02:00	7.1	262	2.5	Mondi	Methanol leak	673, 674, 687
25	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/09 02:30	7.5	256	2.2	Mondi	Methanol leak	673, 674, 687
26	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/09 03:00	6.4	269	3.5	Mondi	Methanol leak	673, 674, 687
27	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/09 03:30	5.6	267	3.1	Mondi	Methanol leak	673, 674, 687
28	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/18 23:00	6.4	294	1.7	Mondi	CPX tank	690
29	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/18 23:10	9.4	297	1.8	Mondi	CPX tank	690
30	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/18 23:30	8.0	277	1.6	Mondi	CPX tank	690

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
31	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/18 23:50	9.8	269	1.8	Mondi	CPX tank	690
32	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/19 00:00	10.3	263	1.6	Mondi	CPX tank	690
33	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/19 00:00	6.6	261	1.5	Mondi	CPX tank	690
34	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/19 00:30	7.2	274	2.1	Mondi	CPX tank	690
35	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/19 00:40	10.2	274	2.2	Mondi	CPX tank	690
36	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/19 02:00	5.1	262	1.2	Mondi	CPX tank	690
37	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/19 02:30	6.6	267	1.3	Mondi	CPX tank	690
38	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/19 03:00	7.9	274	1.1	Mondi	CPX tank	690
39	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/19 03:30	6.6	314	0.9	Mondi	CPX tank	690
40	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/20 03:00	9.4	297	2.1	Mondi	CPX tank	690
41	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/20 03:00	6.1	307	1.9	Mondi	CPX tank	690
42	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/20 17:30	8.0	248	2.7	Mondi	CPX tank	690
43	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/20 18:00	12.7	254	3.3	Mondi	CPX tank	690
44	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/20 18:00	6.8	252	3.0	Mondi	CPX tank	690
45	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/20 21:30	8.9	262	2.7	Mondi	CPX tank	690
46	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/20 21:40	9.9	265	2.7	Mondi	CPX tank	690
47	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/20 21:50	10.6	263	3.0	Mondi	CPX tank	690
48	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/20 22:00	10.1	259	3.0	Mondi	CPX tank	690
49	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/20 22:00	14.9	261	2.9	Mondi	CPX tank	690
50	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/20 22:10	12.3	261	2.9	Mondi	CPX tank	690
51	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/20 22:20	22.3	262	2.9	Mondi	CPX tank	690
52	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/20 22:30	16.5	264	3.0	Mondi	CPX tank	690
53	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/20 22:30	15.5	261	2.9	Mondi	CPX tank	690

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
54	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/20 22:40	10.2	260	2.8	Mondi	CPX tank	690
55	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/20 22:50	20.0	260	2.9	Mondi	CPX tank	690
56	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/20 23:00	30.3	259	2.7	Mondi	CPX tank	690
57	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/20 23:00	24.8	261	2.8	Mondi	CPX tank	690
58	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/20 23:10	24.5	263	2.7	Mondi	CPX tank	690
59	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/20 23:20	19.6	260	2.8	Mondi	CPX tank	690
60	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/20 23:30	21.0	266	2.8	Mondi	CPX tank	690
61	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/20 23:30	12.7	276	2.1	Mondi	CPX tank	690
62	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/20 23:40	12.6	266	2.4	Mondi	CPX tank	690
63	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/21 08:00	6.0	260	3.2	Mondi	CPX tank	690
64	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/21 08:30	18.5	254	3.7	Mondi	CPX tank	690
65	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/21 08:30	15.1	253	3.6	Mondi	CPX tank	690
66	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/21 08:40	17.1	253	3.5	Mondi	CPX tank	690
67	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/06/21 08:50	9.8	252	3.8	Mondi	CPX tank	690
68	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/06/21 09:00	6.2	254	3.7	Mondi	CPX tank	690
69	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/06/03 02:00	6.3	65	1.4	THS	B5 conveyor	665, 672, 702
70	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/06/03 09:00	8.4	25	1.5	THS	B5 conveyor	665, 672, 702
71	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/06/03 09:20	13.5	29	1.1	THS	B5 conveyor	665, 672, 702
72	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/06/03 09:30	18.6	8	0.8	THS	B5 conveyor	665, 672, 702
73	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/06/03 09:30	17.8	21	0.6	THS	B5 conveyor	665, 672, 702
74	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/06/03 09:40	19.1	28	0.7	THS	B5 conveyor	665, 672, 702
75	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/06/03 09:50	15.8	28	0.4	THS	B5 conveyor	665, 672, 702
76	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/06/03 10:00	14.6	84	0.6	THS	B5 conveyor	665, 672, 702

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
77	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/06/03 10:00	9.8	18	0.4	THS	B5 conveyor	665, 672, 702
78	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/06/03 10:10	10.9	346	0.3	THS	B5 conveyor	665, 672, 702
79	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/06/06 07:30	7.6	18	1.6	Mondi	Mondi meteorology	667, 670, 683, 687
80	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/06/06 07:30	7.6	18	1.6	Mondi	Mondi meteorology	667, 670, 683, 687
81	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/06/06 08:00	5.3	17	1.5	Mondi	Mondi meteorology	667, 670, 683, 687
82	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/06/06 08:00	5.3	17	1.5	Mondi	Mondi meteorology	667, 670, 683, 687
83	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/06/06 08:30	8.0	20	2.1	Mondi	Mondi meteorology	667, 670, 683, 687
84	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/06/06 08:30	8.0	20	2.1	Mondi	Mondi meteorology	667, 670, 683, 687
85	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/06/06 08:50	10.5	18	1.7	Mondi	Mondi meteorology	667, 670, 683, 687
86	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/06/06 08:50	10.5	18	1.7	Mondi	Mondi meteorology	667, 670, 683, 687
87	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/06/09 22:00	5.1	3	0.9	THS	Smut plant	673, 674, 688
88	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/06/13 22:30	6.1	37	0.4	Mondi	Mondi meteorology	680, 684
89	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/06/17 23:00	5.4	103	0.7	THS	Smut plant	682, 688
90	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/06/18 00:30	10.6	48	1.5	THS	Smut plant	685, 688
91	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/06/18 00:30	8.0	61	1.1	THS	Smut plant	685, 688
92	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/06/18 01:00	8.3	12	1.0	THS	Smut plant	685, 688
93	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/06/18 01:20	9.6	18	1.1	THS	Smut plant	685, 688
94	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/06/22 19:30	9.4	37	0.9	THS	Smut plant	685, 688, 691
95	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/06/22 19:30	6.4	46	0.9	Mondi	CPX tank	689, 691
96	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/06/22 20:00	5.8	45	1.2	Mondi	CPX tank	689, 691
97	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/06/22 23:00	6.2	21	2.0	Mondi	CPX tank	689, 691
98	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/06/22 23:30	5.8	33	2.0	Mondi	CPX tank	689, 691
99	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/01 01:00	15.1	145	0.5	THS	Boilers-coal operated.	661, 664, 670, 687

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
100	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/01 01:20	42.6	150	0.3	THS	Boilers-coal operated.	661, 664, 670, 687
101	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/01 01:30	53.2	161	0.7	THS	Boilers-coal operated.	661, 664, 670, 687
102	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/01 01:30	65.1	195	0.9	THS	Boilers-coal operated.	661, 664, 670, 687
103	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/01 01:40	66.0	225	1.1	THS	Boilers-coal operated.	661, 664, 670, 687
104	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/01 01:50	76.3	193	0.8	THS	Boilers-coal operated.	661, 664, 670, 687
105	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/01 02:00	70.0	217	1.3	THS	Boilers-coal operated.	661, 664, 670, 687
106	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/01 02:00	41.0	215	1.0	THS	Boilers-coal operated.	661, 664, 670, 687
107	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/01 02:10	36.9	208	0.9	THS	Boilers-coal operated.	661, 664, 670, 687
108	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/01 02:20	15.9	223	0.6	THS	Boilers-coal operated.	661, 664, 670, 687
109	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/01 02:30	12.3	193	1.0	THS	Boilers-coal operated.	661, 664, 670, 687
110	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/01 02:30	9.5	183	1.1	THS	Boilers-coal operated.	661, 664, 670, 687
111	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/01 03:00	6.9	184	1.2	THS	Boilers-coal operated.	661, 664, 670, 687
112	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/03 08:00	12.8	223	1.3	THS	Boilers-coal operated.	665, 670, 672, 687
113	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/03 08:10	11.2	216	1.2	THS	Boilers-coal operated.	665, 670, 672, 687
114	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/03 08:20	24.2	204	0.8	THS	Boilers-coal operated.	665, 670, 672, 687
115	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/03 08:30	17.8	258	0.7	THS	Boilers-coal operated.	665, 670, 672, 687
116	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/03 08:30	18.7	124	0.8	THS	Boilers-coal operated.	665, 670, 672, 687
117	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/03 08:40	20.2	77	0.8	THS	Boilers-coal operated.	665, 670, 672, 687
118	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/03 08:50	18.1	158	0.8	THS	Boilers-coal operated.	665, 670, 672, 687
119	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/03 09:00	11.8	198	0.4	THS	Boilers-coal operated.	665, 670, 672, 687
120	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/03 09:00	8.5	203	0.7	THS	Boilers-coal operated.	665, 670, 672, 687
121	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/03 09:30	7.9	180	1.1	THS	Boilers-coal operated.	665, 670, 672, 687
122	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/03 09:50	11.4	222	1.5	THS	Boilers-coal operated.	665, 670, 672, 687

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
123	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/04 19:00	5.1	220	3.3	THS	Boilers-coal operated.	666, 670, 671, 687
124	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/04 22:30	9.9	185	2.2	THS	Boilers-coal operated.	666, 670, 671, 687
125	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/04 22:40	13.2	185	2.0	THS	Boilers-coal operated.	666, 670, 671, 687
126	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/04 22:50	11.7	188	2.2	THS	Boilers-coal operated.	666, 670, 671, 687
127	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/07 02:30	5.3	190	0.9	Mondi	Methanol leak	668, 679
128	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/07 02:50	11.3	168	0.7	Mondi	Methanol leak	668, 679
129	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/07 03:00	14.6	122	1.0	Mondi	Methanol leak	668, 679
130	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/07 03:00	8.8	179	1.0	Mondi	Methanol leak	668, 679
131	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/07 04:00	14.4	216	1.3	Mondi	Methanol leak	668, 679
132	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/07 04:00	8.7	214	1.6	Mondi	Methanol leak	668, 679
133	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/07 04:10	9.4	209	1.5	Mondi	Methanol leak	668, 679
134	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/08 00:30	12.8	69	0.8	Mondi	Methanol leak	669, 678
135	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/08 00:30	8.8	83	1.0	Mondi	Methanol leak	669, 678
136	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/08 00:40	11.4	85	1.1	Mondi	Methanol leak	669, 678
137	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/08 02:30	11.0	149	0.8	Mondi	Methanol leak	669, 678
138	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/08 02:40	17.4	133	0.9	Mondi	Methanol leak	669, 678
139	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/08 02:50	14.6	162	0.3	Mondi	Methanol leak	669, 678
140	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/08 05:30	5.5	128	0.9	Mondi	Methanol leak	669, 678
141	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/08 05:50	11.1	115	0.7	Mondi	Methanol leak	669, 678
142	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/10 07:30	16.5	142	1.0	THS	Smuts reticulation system	675, ~~676~~ , 677, ~~697~~
143	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/10 07:50	41.9	80	1.0	THS	Smuts reticulation system	675, ~~676~~ , 677, ~~697~~
144	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/10 08:00	36.4	65	1.6	THS	Smuts reticulation system	675, ~~676~~ , 677, ~~697~~
145	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/10 08:00	21.8	87	1.4	THS	Smuts reticulation system	675, ~~676~~ , 677, ~~697~~

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
146	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/10 08:10	18.7	57	1.5	THS	Smuts reticulation system	675, 676 , 677, 697
147	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/10 08:20	10.4	189	1.1	THS	Smuts reticulation system	675, 676 , 677, 697
148	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/10 08:30	6.2	220	2.4	THS	Smuts reticulation system	675, 676 , 677, 697
149	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/14 01:30	18.7	208	1.1	THS	Smuts reticulation system	681, 697
150	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/14 01:40	25.6	219	1.1	THS	Smuts reticulation system	681, 697
151	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/14 01:50	25.0	220	1.6	THS	Smuts reticulation system	681, 697
152	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/14 02:00	24.1	224	1.7	THS	Smuts reticulation system	681, 697
153	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/14 02:00	13.4	224	1.3	THS	Smuts reticulation system	681, 697
154	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/14 02:10	14.6	205	0.6	THS	Smuts reticulation system	681, 697
155	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/17 20:00	18.5	169	0.9	THS	Smuts reticulation system	682, 697
156	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/17 20:10	11.9	187	1.1	THS	Smuts reticulation system	682, 697
157	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/17 20:20	42.1	115	0.6	THS	Smuts reticulation system	682, 697
158	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/17 20:30	12.8	91	1.4	THS	Smuts reticulation system	682, 697
159	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/17 20:30	5.1	110	1.1	THS	Smuts reticulation system	682, 697
160	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/19 06:10	9.4	214	0.8	THS	Smuts reticulation system	682, 697
161	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/23 07:00	7.1	224	1.5	THS -Mondi	Smuts reticulation system +SETP	692, 697, 706
162	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/23 07:20	12.7	184	0.8	THS -Mondi	Smuts reticulation system +SETP	692, 697, 706
163	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/27 02:30	8.9	223	5.0	THS	Smuts reticulation system	693, 697
164	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/27 02:40	9.5	221	5.3	THS	Smuts reticulation system	693, 697
165	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/27 03:00	6.6	225	3.5	THS	Smuts reticulation system	693, 697
166	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/27 04:00	8.4	225	4.2	THS	Smuts reticulation system	693, 697
167	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/27 04:30	8.1	227	5.1	THS	Smuts reticulation system	693, 697
168	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/29 04:00	14.3	225	1.8	THS	Smuts reticulation system	693, 697

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
169	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/29 04:10	18.7	229	1.8	THS	Smuts reticulation system	693, 697
170	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/29 04:20	22.3	232	2.0	THS	Smuts reticulation system	693, 697
171	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/06/29 04:30	17.5	234	2.0	THS	Smuts reticulation system	693, 697
172	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/06/29 04:30	7.3	240	2.4	THS	Smuts reticulation system	693, 697
173	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/06/01 21:00	8.2	247	2.1	Mondi	Root cause has not yet been confirmed	661, 664
174	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/06/01 21:10	10.2	244	2.1	Mondi	Root cause has not yet been confirmed	661, 664
175	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/06/01 21:20	10.0	250	1.6	Mondi	Root cause has not yet been confirmed	661, 664
176	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/06/01 21:30	5.9	283	1.1	Mondi	Root cause has not yet been confirmed	661, 664
177	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/06/01 23:00	8.7	291	1.6	Mondi	Root cause has not yet been confirmed	661, 664
178	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/06/01 23:30	5.6	295	1.6	Mondi	Root cause has not yet been confirmed	661, 664
179	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/06/20 03:00	6.1	298	2.1	Mondi	CPX tank	690
180	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/06/20 03:20	11.6	311	2.5	Mondi	CPX tank	690
181	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/06/20 03:30	5.3	315	2.0	Mondi	CPX tank	690
182	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/06/21 00:30	11.4	304	2.3	Mondi	CPX tank	690
183	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/06/21 00:30	7.5	305	2.3	Mondi	CPX tank	690
184	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/06/21 03:30	5.2	293	1.5	Mondi	CPX tank	690
185	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/06/21 04:00	9.6	278	1.8	Mondi	CPX tank	690
186	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/06/21 04:10	11.5	270	1.7	Mondi	CPX tank	690
187	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/06/21 04:20	9.7	280	2.1	Mondi	CPX tank	690
188	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/06/21 04:30	12.9	279	2.3	Mondi	CPX tank	690
189	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/06/21 04:50	25.4	283	2.1	Mondi	CPX tank	690
190	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/06/21 05:00	30.6	276	2.0	Mondi	CPX tank	690
191	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/06/21 05:00	19.3	267	2.6	Mondi	CPX tank	690

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
192	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/06/21 05:10	19.2	262	2.6	Mondi	CPX tank	690
193	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/06/21 07:00	5.9	264	3.2	Mondi	CPX tank	690
194	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/06/21 19:00	5.3	262	1.6	Mondi	CPX tank	690
195	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/06/21 19:30	5.4	No Data	No Data	Mondi	CPX tank	690
196	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/06/23 04:00	17.1	291	2.3	Mondi	Secondary Effluent Treatment Plant	706
197	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/06/23 04:00	16.5	283	2.3	Mondi	Secondary Effluent Treatment Plant	706
198	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/06/23 04:10	18.3	279	1.9	Mondi	Secondary Effluent Treatment Plant	706
199	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/06/23 04:20	14.0	280	2.7	Mondi	Secondary Effluent Treatment Plant	706
200	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/06/23 04:30	9.8	290	2.2	Mondi	Secondary Effluent Treatment Plant	706
201	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/06/23 04:30	5.7	289	2.4	Mondi	Secondary Effluent Treatment Plant	706
			July 2025						
1	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/07/12 02:30	5.2	244	3.7	Mondi	Source of TRS unknown	710
2	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/07/21 22:30	5.3	235	4.6	Mondi	Meteorology - Source not identified	731
3	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/07/21 23:00	5.3	238	5.3	Mondi	Meteorology - Source not identified	731
1	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/07/05 23:30	5.9	14	3.4	THS + Mondi (Meteorology)	Desludging	699, 702, 713
2	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/07/10 06:50	10.3	33	1.6	THS + Mondi (Meteorology)	Desludging	700, 714, 702
3	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/07/10 07:00	10.5	9	0.6	THS + Mondi (Meteorology)	Desludging	700, 714, 702
4	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/07/10 07:00	6.8	3	0.5	THS + Mondi (Meteorology)	Desludging	700, 714, 702
5	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/07/10 08:00	8.0	36	2.0	THS + Mondi (Meteorology)	Desludging	700, 714, 702
6	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/07/10 08:10	13.9	42	2.0	THS + Mondi (Meteorology)	Desludging	700, 714, 702
7	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/07/16 22:30	5.8	26	0.8	Mondi	H ₂ S released from effluent plant	709, 711, 1
8	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/07/21 07:30	7.2	14	1.8	Mondi	Meteorology - Source not identified	720, 731
9	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/07/24 04:30	8.7	66	1.0	Mondi	Methanol system	722, 728, 1
10	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/07/24 04:40	9.4	63	0.8	Mondi	Methanol system	722, 728, 1

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
11	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/07/24 04:50	15.1	77	1.0	Mondi	Methanol system	722, 728, 1
12	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/07/24 05:00	10.3	44	1.0	Mondi	Methanol system	722, 728, 1
13	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/07/24 05:00	7.1	71	0.6	Mondi	Methanol system	722, 728, 1
14	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/07/24 07:30	5.1	35	0.9	Mondi	Methanol system	722, 728, 1
15	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/07/25 02:00	13.7	90	0.5	Mondi	Methanol system	723, 726,
16	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/07/25 02:00	9.1	58	1.0	Mondi	Methanol system	723, 726,
17	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/07/25 03:30	9.1	46	1.6	Mondi	Methanol system	723, 726,
18	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/07/25 03:40	13.1	44	1.6	Mondi	Methanol system	723, 726,
19	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/07/29 02:30	5.1	33	1.5	Mondi	Methanol system	727, 729, 1
20	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/02 04:00	11.2	249	1.1	THS	Desludging	695, 702
21	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/02 04:10	17.7	230	0.9	THS	Desludging	695, 702
22	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/02 04:20	11.5	17	1.1	THS	Desludging	695, 702
23	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/03 05:00	12.5	76	1.5	THS	Desludging	695, 702
24	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/03 05:10	20.1	72	1.5	THS	Desludging	695, 702
25	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/03 05:20	16.4	68	1.9	THS	Desludging	695, 702
26	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/04 12:30	6.2	222	4.5	THS	Desludging	698, 702, 712
27	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/04 20:00	11.8	226	1.7	THS	Desludging	698, 702, 712
28	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/05 03:30	15.1	194	1.6	THS + Mondi (Meteorology)	Desludging	699, 702, 713
29	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/05 03:40	33.1	211	2.0	THS + Mondi (Meteorology)	Desludging	699, 702, 713
30	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/05 03:50	11.1	144	1.1	THS + Mondi (Meteorology)	Desludging	699, 702, 713
31	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/05 06:30	19.9	189	1.3	THS + Mondi (Meteorology)	Desludging	699, 702, 713
32	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/05 06:30	11.4	195	1.4	THS + Mondi (Meteorology)	Desludging	699, 702, 713
33	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/05 06:40	13.0	186	1.4	THS + Mondi (Meteorology)	Desludging	699, 702, 713

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
34	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/05 20:30	14.2	188	1.1	THS + Mondi (Meteorology)	Desludging	699, 702, 713
35	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/05 20:30	18.7	181	1.0	THS + Mondi (Meteorology)	Desludging	699, 702, 713
36	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/05 20:40	23.9	184	1.1	THS + Mondi (Meteorology)	Desludging	699, 702, 713
37	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/05 20:50	17.9	173	0.9	THS + Mondi (Meteorology)	Desludging	699, 702, 713
38	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/05 21:00	26.5	144	0.7	THS + Mondi (Meteorology)	Desludging	699, 702, 713
39	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/05 21:00	20.6	117	0.5	THS + Mondi (Meteorology)	Desludging	699, 702, 713
40	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/05 21:10	22.4	111	0.5	THS + Mondi (Meteorology)	Desludging	699, 702, 713
41	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/05 21:20	12.8	98	0.4	THS + Mondi (Meteorology)	Desludging	699, 702, 713
42	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/05 21:30	6.1	201	1.0	THS + Mondi (Meteorology)	Desludging	699, 702, 713
43	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/11 22:30	16.6	247	2.4	THS	Desludging	701, 705
44	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/11 22:30	9.6	239	2.4	THS	Desludging	701, 705
45	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/12 04:30	11.0	224	4.8	THS	Desludging	703, 704, 710
46	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/12 04:30	11.3	222	5.1	THS	Desludging	703, 704, 710
47	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/12 04:40	10.6	221	5.7	THS	Desludging	703, 704, 710
48	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/12 04:50	12.5	222	4.6	THS	Desludging	703, 704, 710
49	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/12 05:00	11.5	221	4.8	THS	Desludging	703, 704, 710
50	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/12 05:00	8.7	220	4.2	THS	Desludging	703, 704, 710
51	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/12 05:30	6.4	218	3.7	THS	Desludging	703, 704, 710
52	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/12 06:30	5.8	223	3.3	THS	Desludging	703, 704, 710
53	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/12 07:00	10.2	224	3.1	THS	Desludging	703, 704, 710
54	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/12 07:00	6.0	239	3.1	THS	Desludging	703, 704, 710
55	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/12 12:30	8.4	224	3.7	THS	Desludging	703, 704, 710
56	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/12 12:40	10.3	224	4.1	THS	Desludging	703, 704, 710

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
57	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/12 13:00	6.5	203	2.6	THS	Desludging	703, 704, 710
58	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/12 13:30	6.5	211	2.5	THS	Desludging	703, 704, 710
59	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/12 15:00	8.4	225	4.3	THS	Desludging	703, 704, 710
60	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/12 15:20	11.1	225	4.3	THS	Desludging	703, 704, 710
61	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/12 15:30	11.5	229	4.1	THS	Desludging	703, 704, 710
62	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/12 15:30	7.4	231	3.6	THS	Desludging	703, 704, 710
63	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/15 01:00	36.0	167	1.2	Mondi	White liquor (WWL) tank overflow	708
64	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/15 01:00	44.8	157	0.9	Mondi	White liquor (WWL) tank overflow	708
65	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/15 01:10	59.8	146	0.8	Mondi	White liquor (WWL) tank overflow	708
66	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/15 01:20	38.5	159	0.9	Mondi	White liquor (WWL) tank overflow	708
67	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/15 01:30	30.9	191	0.5	Mondi	White liquor (WWL) tank overflow	708
68	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/15 01:30	23.5	236	1.2	Mondi	White liquor (WWL) tank overflow	708
69	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/15 01:40	24.7	246	1.4	Mondi	White liquor (WWL) tank overflow	708
70	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/15 01:50	14.8	262	1.8	Mondi	White liquor (WWL) tank overflow	708
71	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/15 02:00	12.2	262	2.1	Mondi	White liquor (WWL) tank overflow	708
72	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/15 02:00	6.9	273	2.6	Mondi	White liquor (WWL) tank overflow	708
73	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/15 05:30	9.1	225	1.2	Mondi	White liquor (WWL) tank overflow	708
74	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/15 05:40	14.3	138	0.8	Mondi	White liquor (WWL) tank overflow	708
75	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/15 05:50	12.4	240	1.2	Mondi	White liquor (WWL) tank overflow	708
76	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/15 06:00	10.2	216	0.8	Mondi	White liquor (WWL) tank overflow	708
77	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/15 06:00	12.8	208	0.9	Mondi	White liquor (WWL) tank overflow	708
78	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/15 06:20	21.3	228	0.8	Mondi	White liquor (WWL) tank overflow	708
79	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/15 06:30	42.1	165	0.4	Mondi	White liquor (WWL) tank overflow	708

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
80	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/15 06:30	21.2	213	1.0	Mondi	White liquor (WWL) tank overflow	708
81	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/15 06:40	10.1	238	1.3	Mondi	White liquor (WWL) tank overflow	708
82	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/15 06:50	11.4	216	1.2	Mondi	White liquor (WWL) tank overflow	708
83	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/15 07:00	21.2	207	1.1	Mondi	White liquor (WWL) tank overflow	708
84	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/15 07:00	9.7	229	1.3	Mondi	White liquor (WWL) tank overflow	708
85	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/15 07:30	6.7	234	1.6	Mondi	White liquor (WWL) tank overflow	708
86	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/15 07:50	15.8	229	1.4	Mondi	White liquor (WWL) tank overflow	708
87	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/15 08:00	24.6	247	1.7	Mondi	White liquor (WWL) tank overflow	708
88	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/15 08:00	15.3	243	1.4	Mondi	White liquor (WWL) tank overflow	708
89	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/15 08:10	15.9	233	1.2	Mondi	White liquor (WWL) tank overflow	708
90	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/16 07:30	6.1	148	0.7	THS	High sulphite in the clarifier water	709, 711, 716
91	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/16 07:50	14.9	147	0.3	THS	High sulphite in the clarifier water	709, 711, 716
92	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/16 08:00	10.3	232	1.4	THS	High sulphite in the clarifier water	709, 711, 716
93	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/16 08:00	5.8	209	1.3	THS	High sulphite in the clarifier water	709, 711, 716
94	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/16 22:00	9.9	100	0.7	THS	High sulphite in the clarifier water	709, 711, 716
95	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/16 22:00	22.4	70	1.2	THS	High sulphite in the clarifier water	709, 711, 716
96	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/16 22:10	36.4	66	1.4	THS	High sulphite in the clarifier water	709, 711, 716
97	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/16 22:20	21.1	57	1.5	THS	High sulphite in the clarifier water	709, 711, 716
98	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/18 05:00	11.2	143	1.2	THS	Desludging process	715, 717
99	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/18 05:10	15.3	88	1.1	THS	Desludging process	715, 717
100	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/18 05:20	16.1	98	0.6	THS	Desludging process	715, 717
101	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/18 05:30	20.6	227	1.2	THS	Desludging process	715, 717
102	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/18 05:30	18.5	159	0.9	THS	Desludging process	715, 717

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
103	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/18 05:40	16.7	166	0.5	THS	Desludging process	715, 717
104	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/18 05:50	18.1	63	1.0	THS	Desludging process	715, 717
105	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/18 06:00	15.6	98	1.0	THS	Desludging process	715, 717
106	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/18 06:00	12.1	112	0.8	THS	Desludging process	715, 717
107	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/18 06:10	11.3	128	0.8	THS	Desludging process	715, 717
108	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/18 06:30	10.6	190	0.6	THS	Desludging process	715, 717
109	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/22 10:30	6.7	200	2.6	THS	Smuts Clarifiers	718, 719, 721
110	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/22 10:50	12.9	165	2.4	THS	Smuts Clarifiers	718, 719, 721
111	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/22 11:00	14.9	165	2.5	THS	Smuts Clarifiers	718, 719, 721
112	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/22 11:00	6.8	163	2.2	THS	Smuts Clarifiers	718, 719, 721
113	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/22 11:30	34.1	161	1.8	THS	Smuts Clarifiers	718, 719, 721
114	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/22 11:30	14.8	186	1.6	THS	Smuts Clarifiers	718, 719, 721
115	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/24 01:50	12.1	154	0.9	THS	Desludging process	722, 730
116	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/24 02:00	15.7	219	1.3	THS	Desludging process	722, 730
117	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/24 02:00	6.3	197	1.0	THS	Desludging process	722, 730
118	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/24 03:30	18.3	211	1.1	THS	Desludging process	722, 730
119	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/24 03:30	22.2	141	0.7	THS	Desludging process	722, 730
120	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/24 03:40	26.7	177	0.4	THS	Desludging process	722, 730
121	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/24 03:50	21.6	79	0.7	THS	Desludging process	722, 730
122	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/24 04:00	17.3	68	1.0	THS	Desludging process	722, 730
123	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/24 04:00	11.5	98	0.7	THS	Desludging process	722, 730
124	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/24 04:10	10.1	112	0.7	THS	Desludging process	722, 730
125	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/25 16:30	6.6	225	3.5	THS	Desludging process	723, 726, 730

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
126	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/25 22:30	5.1	224	2.9	THS	Desludging process	723, 726, 730
127	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/25 23:00	5.3	225	2.8	THS	Desludging process	723, 726, 730
128	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/26 14:00	5.7	229	4.5	THS	Desludging process	724, 730
129	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/26 19:30	6.2	221	2.9	THS	Desludging process	724, 730
130	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/26 20:00	6.9	226	3.3	THS	Desludging process	724, 730
131	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/26 21:00	6.9	224	4.4	THS	Desludging process	724, 730
132	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/27 12:30	5.2	225	6.6	THS	Desludging process	725, 730
133	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/27 13:30	5.8	225	5.8	THS	Desludging process	725, 730
134	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/27 14:00	5.6	229	5.4	THS	Desludging process	725, 730
135	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/07/27 17:00	5.9	226	4.5	THS	Desludging process	725, 730
136	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/07/27 17:20	9.4	223	3.9	THS	Desludging process	725, 730
137	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/07/14 19:00	5.6	257	2.4	Mondi	Secondary Effluent Treatment Plant	707
138	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/07/14 20:00	5.8	302	2.1	Mondi	Secondary Effluent Treatment Plant	707
139	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/07/27 21:00	5.5	249	1.3	Mondi	Methanol system (possible cause)	725, 735
August 2025									
1	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/08/19 15:30	6.0	69	2.0	Mondi	Non-condensable Gas system	747
2	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/08/19 16:00	6.5	86	1.9	Mondi	Non-condensable Gas system	747
3	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/08/19 16:30	6.3	103	1.7	Mondi	Non-condensable Gas system	747
4	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/08/19 17:00	6.2	No data	0.9	Mondi	Non-condensable Gas system	747
5	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/08/19 17:30	5.9	228	5.4	Mondi	Non-condensable Gas system	747
6	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/08/19 18:00	5.2	225	5.1	Mondi	Non-condensable Gas system	747
7	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/08/19 18:30	5.1	226	5.2	Mondi	Non-condensable Gas system	747
8	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/08/19 19:30	5.2	231	5.5	Mondi	Non-condensable Gas system	747

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
9	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/08/19 20:00	5.7	229	5.4	Mondi	Non-condensable Gas system	747
10	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/08/19 20:30	5.3	229	5.5	Mondi	Non-condensable Gas system	747
11	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/08/04 07:00	6.6	63	1.4	Mondi	Methanol system (possible cause)	734, 736
12	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/08/25 19:30	5.1	306	2.3	THS	Desludging process	752, 753
13	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/08/31 21:00	8.0	334	0.3	Mondi	NCG system	758, 768, 776
14	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/08/31 21:10	11.0	343	0.3	Mondi	NCG system	758, 768, 776
15	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/08/31 21:30	5.5	243	0.8	Mondi	NCG system	758, 768, 776
16	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/08/01 06:00	6.7	223	8.1	THS	Delko bets within the smuts plant	732, 733, 739
17	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/08/01 07:00	5.9	225	6.4	THS	Delko bets within the smuts plant	732, 733, 739
18	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/08/01 16:30	5.3	227	3.6	THS	Delko bets within the smuts plant	732, 733, 739
19	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/08/01 17:00	5.7	230	3.1	THS	Delko bets within the smuts plant	732, 733, 739
20	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/08/07 16:30	5.2	222	2.9	THS	Delko bets within the smuts plant	737, 738, 740
21	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/08/07 17:00	5.5	224	3.0	THS	Delko bets within the smuts plant	737, 738, 740
22	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/08/07 17:30	9.8	226	3.3	THS	Delko bets within the smuts plant	737, 738, 740
23	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/08/07 17:30	9.2	226	3.5	THS	Delko bets within the smuts plant	737, 738, 740
24	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/08/07 17:50	9.5	227	3.3	THS	Delko bets within the smuts plant	737, 738, 740
25	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/08/07 18:00	6.3	225	2.7	THS	Delko bets within the smuts plant	737, 738, 740
26	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/08/08 23:00	6.9	226	1.3	THS	Delko bets within the smuts plant	740, 741
27	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/08/08 23:20	14.6	228	1.4	THS	Delko bets within the smuts plant	740, 741
28	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/08/09 05:00	7.9	172	0.7	THS	Delko bets within the smuts plant	740, 742
29	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/08/09 05:20	17.9	159	0.6	THS	Delko bets within the smuts plant	740, 742
30	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/08/09 05:30	47.1	112	0.6	THS	Delko bets within the smuts plant	740, 742
31	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/08/09 05:30	36.3	144	0.5	THS	Delko bets within the smuts plant	740, 742

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
32	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/08/09 05:40	38.5	156	0.3	THS	Delko bets within the smuts plant	740, 742
33	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/08/09 05:50	23.3	162	0.6	THS	Delko bets within the smuts plant	740, 742
34	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/08/09 06:00	18.2	135	0.5	THS	Delko bets within the smuts plant	740, 742
35	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/08/09 06:00	11.9	158	0.6	THS	Delko bets within the smuts plant	740, 742
36	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/08/09 06:20	10.0	167	0.5	THS	Delko bets within the smuts plant	740, 742
37	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/08/10 15:30	6.8	225	5.1	THS	Delko bets within the smuts plant	743, 745, 748
38	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/08/10 16:00	7.4	224	4.4	THS	Delko bets within the smuts plant	743, 745, 748
39	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/08/10 16:30	6.7	227	4.0	THS	Delko bets within the smuts plant	743, 745, 748
40	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/08/11 19:00	5.3	222	0.9	THS	Delko bets within the smuts plant	744, 746, 749
41	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/08/11 19:20	9.7	217	0.7	THS	Delko bets within the smuts plant	744, 746, 749
42	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/08/11 19:30	12.3	216	0.8	THS	Delko bets within the smuts plant	744, 746, 749
43	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/08/11 19:30	8.7	235	1.6	THS	Delko bets within the smuts plant	744, 746, 749
44	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/08/28 06:20	10.2	203	0.9	Mondi	Secondary Effluent Treatment Plant	755, 777
45	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/08/30 13:30	5.1	223	5.8	Mondi	Secondary Effluent Treatment Plant	756, 757, 769
46	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/08/30 14:00	5.1	227	5.5	Mondi	Secondary Effluent Treatment Plant	756, 757, 769
47	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/08/31 05:00	11.9	104	0.4	Mondi	Secondary Effluent Treatment Plant	758, 768, 776
48	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/08/31 05:00	6.8	160	0.6	Mondi	Secondary Effluent Treatment Plant	758, 768, 776
49	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/08/10 19:00	6.3	198	3.5	Mondi	Secondary Effluent Treatment Plant	748
50	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/08/11 08:00	5.6	197	1.5	Mondi	Secondary Effluent Treatment Plant	749
51	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/08/19 17:20	13.0	193	1.1	Mondi	Non-condensable Gas system	754
52	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/08/22 18:30	14.3	162	1.8	Mondi	Source of TRS unknown	750
53	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/08/22 18:30	23.2	168	1.6	Mondi	Source of TRS unknown	750
54	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/08/22 18:40	17.3	170	1.6	Mondi	Source of TRS unknown	750

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
55	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/08/22 18:50	38.0	173	1.5	Mondi	Source of TRS unknown	750
56	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/08/22 19:00	21.6	186	1.8	Mondi	Source of TRS unknown	750
57	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/08/22 19:00	18.1	190	1.9	Mondi	Source of TRS unknown	750
58	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/08/22 19:10	11.9	194	1.9	Mondi	Source of TRS unknown	750
59	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/08/22 19:20	20.9	190	2.1	Mondi	Source of TRS unknown	750
60	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/08/22 19:30	28.9	193	2.2	Mondi	Source of TRS unknown	750
61	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/08/22 19:30	20.9	202	2.0	Mondi	Source of TRS unknown	750
62	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/08/22 19:40	20.6	199	2.0	Mondi	Source of TRS unknown	750
63	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/08/22 19:50	13.1	215	1.9	Mondi	Source of TRS unknown	750
64	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/08/23 22:00	6.7	251	2.2	Mondi	Source of TRS unknown	751
65	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/08/31 21:00	14.4	201	1.4	Mondi	NCG system	768
66	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/08/31 21:00	34.9	194	1.2	Mondi	NCG system	768
67	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/08/31 21:10	53.6	195	1.2	Mondi	NCG system	768
68	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/08/31 21:20	36.8	183	1.0	Mondi	NCG system	768
69	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/08/31 21:30	35.6	194	1.6	Mondi	NCG system	768
70	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/08/31 21:30	33.8	No Data	1.1	Mondi	NCG system	768
71	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/08/31 21:40	38.1	210	1.5	Mondi	NCG system	768
72	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/08/31 21:50	27.6	No Data	0.1	Mondi	NCG system	768
73	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/08/31 22:00	26.1	No Data	0.7	Mondi	NCG system	768
74	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/08/31 22:00	18.7	220	1.6	Mondi	NCG system	768
75	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/08/31 22:10	18.8	219	1.6	Mondi	NCG system	768
76	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/08/31 22:20	11.1	220	2.3	Mondi	NCG system	768
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No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
1	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/09/04 03:00	6.9	262	2.4	Mondi	STP & Condensable gas	772
2	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/09/04 03:30	9.4	272	1.5	Mondi	STP & Condensable gas	772
3	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/09/04 03:30	6.0	285	1.2	Mondi	STP & Condensable gas	772
4	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2025/09/24 07:00	5.1	269	3.2	Mondi	NCG system	798, 810
5	TRS 10-minute MECP Limit (9.3 ppb)	CBD	2025/09/24 07:20	10.9	252	3.3	Mondi	NCG system	798, 810
6	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/02 02:00	5.7	336	0.2	Mondi	SETP	759, 770, 795
7	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/02 02:30	6.5	319	0.1	Mondi	SETP	759, 770, 795
8	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/02 07:00	8.4	26	0.3	Mondi	SETP	759, 770, 795
9	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/09/02 07:30	9.5	44	0.7	Mondi	SETP	759, 770, 795
10	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/02 07:30	6.8	43	0.9	Mondi	SETP	759, 770, 795
11	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/07 00:30	5.9	46	1.0	THS	Smuts systems	765, 766
12	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/12 21:00	5.8	67	0.4	THS & Mondi	Smuts Plant + Mondi NCG system	778, 795, 800
13	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/12 21:30	11.6	45	0.8	THS & Mondi	Smuts Plant + Mondi NCG system	778, 795, 800
14	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/09/12 21:40	14.6	33	0.9	THS & Mondi	Smuts Plant + Mondi NCG system	778, 795, 800
15	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/09/12 21:50	11.5	68	0.8	THS & Mondi	Smuts Plant + Mondi NCG system	778, 795, 800
16	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/09/12 22:00	10.1	65	0.9	THS & Mondi	Smuts Plant + Mondi NCG system	778, 795, 800
17	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/12 22:00	6.0	69	1.0	THS & Mondi	Smuts Plant + Mondi NCG system	778, 795, 800
18	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/12 22:30	6.0	51	1.2	THS & Mondi	Smuts Plant + Mondi NCG system	778, 795, 800
19	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/15 03:00	5.7	64	0.6	Mondi	SETP	780, 790
20	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/09/15 03:30	10.0	63	0.4	Mondi	SETP	780, 790
21	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/15 03:30	9.6	37	0.5	Mondi	SETP	780, 790
22	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/09/15 03:50	9.6	28	0.7	Mondi	SETP	780, 790
23	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/09/15 04:00	9.5	45	1.2	Mondi	SETP	780, 790

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
24	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/15 04:00	6.8	51	1.1	Mondi	SETP	780, 790
25	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/15 05:00	6.9	339	0.5	Mondi	SETP	780, 790
26	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/15 18:00	5.3	57	4.2	Mondi	SETP	780, 790
27	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/15 18:30	5.5	53	3.9	Mondi	SETP	780, 790
28	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/15 19:00	5.6	48	3.9	Mondi	SETP	780, 790
29	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/15 19:30	5.8	48	3.1	Mondi	SETP	780, 790
30	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/15 20:00	8.4	40	3.3	Mondi	SETP	780, 790
31	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/09/15 20:10	9.4	42	3.4	Mondi	SETP	780, 790
32	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/15 20:30	5.6	31	4.2	Mondi	SETP	780, 790
33	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/15 21:00	5.2	23	3.3	Mondi	SETP	780, 790
34	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/15 23:00	5.2	53	1.5	Mondi	SETP	780, 790
35	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/15 23:30	8.9	60	1.6	Mondi	SETP	780, 790
36	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/09/15 23:50	10.8	54	1.8	Mondi	SETP	780, 790
37	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/09/16 00:00	11.3	48	1.8	Mondi	SETP	787
38	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/16 00:00	8.4	31	1.6	THS	Smuts systems	787, 794, 795
39	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/16 09:00	5.8	222	5.9	THS	Smuts systems	787, 794, 795
40	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/16 09:30	6.0	223	5.3	THS	Smuts systems	787, 794, 795
41	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/16 10:00	5.4	224	6.8	THS	Smuts systems	787, 794, 795
42	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/25 21:30	5.9	0	0.4	Mondi	SETP	796, 801
43	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/26 04:00	6.1	43	0.1	Mondi	SETP	804, 811
44	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/09/27 04:30	5.4	45	1.1	Mondi	SETP	805, 812
45	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/02 05:00	10.3	101	0.6	THS	RBCAA allocation	759, 762, 770, 809
46	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/02 05:00	8.3	89	0.8	THS	RBCAA allocation	759, 762, 770, 809

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
47	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/02 08:00	16.2	160	0.6	THS	RBCAA allocation	759, 762, 770, 809
48	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/02 08:00	18.2	134	0.7	THS	RBCAA allocation	759, 762, 770, 809
49	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/02 08:10	18.6	119	0.6	THS	RBCAA allocation	759, 762, 770, 809
50	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/02 08:20	19.7	121	0.8	THS	RBCAA allocation	759, 762, 770, 809
51	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/02 08:30	12.7	68	1.4	THS	RBCAA allocation	759, 762, 770, 809
52	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/02 08:30	7.1	70	1.8	THS	RBCAA allocation	759, 762, 770, 809
53	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/03 16:30	7.1	224	4.5	THS	Smuts systems	760, 763, 771
54	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/03 17:00	11.0	221	4.3	THS	Smuts systems	760, 763, 771
55	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/03 17:00	10.2	221	4.2	THS	Smuts systems	760, 763, 771
56	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/03 17:10	9.9	220	4.3	THS	Smuts systems	760, 763, 771
57	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/03 17:20	9.6	223	4.1	THS	Smuts systems	760, 763, 771
58	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/03 17:30	10.1	227	4.3	THS	Smuts systems	760, 763, 771
59	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/03 17:30	9.7	226	4.0	THS	Smuts systems	760, 763, 771
60	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/03 17:40	10.2	227	4.0	THS	Smuts systems	760, 763, 771
61	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/03 18:00	5.7	227	3.6	THS	Smuts systems	760, 763, 771
62	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/03 18:30	6.8	230	3.0	THS	Smuts systems	760, 763, 771
63	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/04 18:30	6.5	50	2.0	THS & Mondi	Smuts Plant + Mondi STP and condensable gases	761, 764, 772
64	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/05 17:30	5.8	225	1.7	THS	Smuts systems	782, 785, 795
65	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/05 18:30	5.4	223	4.3	THS	Smuts systems	782, 785, 795
66	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/05 18:50	10.3	224	4.6	THS	Smuts systems	782, 785, 795
67	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/05 19:00	8.7	220	5.0	THS	Smuts systems	782, 785, 795
68	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/05 19:10	9.9	221	4.8	THS	Smuts systems	782, 785, 795
69	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/05 19:30	6.1	224	5.2	THS	Smuts systems	782, 785, 795

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
70	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/05 20:00	9.5	224	4.6	THS	Smuts systems	782, 785, 795
71	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/05 20:00	10.8	223	4.8	THS	Smuts systems	782, 785, 795
72	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/05 20:10	9.7	220	4.4	THS	Smuts systems	782, 785, 795
73	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/05 20:20	13.1	224	5.4	THS	Smuts systems	782, 785, 795
74	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/05 23:00	11.0	230	4.4	THS	Smuts systems	782, 785, 795
75	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/05 23:00	7.1	229	4.2	THS	Smuts systems	782, 785, 795
76	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/06 03:30	5.2	225	1.8	THS	Smuts systems	783, 795
77	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/07 00:00	6.6	67	1.2	THS	Smuts systems	765, 766
78	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/07 01:30	16.5	178	0.9	THS	Smuts systems	765, 766
79	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/07 01:50	43.0	183	0.8	THS	Smuts systems	765, 766
80	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/07 02:00	51.7	47	0.7	THS	Smuts systems	765, 766
81	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/07 02:00	32.5	233	1.1	THS	Smuts systems	765, 766
82	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/07 02:10	30.5	215	1.1	THS	Smuts systems	765, 766
83	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/07 02:20	15.3	246	1.5	THS	Smuts systems	765, 766
84	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/09 06:00	11.7	264	0.8	THS	Smuts systems	767, 774, 795
85	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/09 06:00	8.0	43	1.2	THS	Smuts systems	767, 774, 795
86	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/09 07:00	5.2	252	1.7	THS	Smuts systems	767, 774, 795
87	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/09 07:20	11.3	262	1.7	THS	Smuts systems	767, 774, 795
88	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/11 19:30	5.3	227	6.2	THS	Smuts systems	773, 775, 795
89	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/11 20:00	7.0	223	6.2	THS	Smuts systems	773, 775, 795
90	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/11 20:30	8.6	224	5.2	THS	Smuts systems	773, 775, 795
91	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/11 20:50	10.9	226	5.1	THS	Smuts systems	773, 775, 795
92	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/11 21:00	10.9	224	5.2	THS	Smuts systems	773, 775, 795

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
93	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/11 21:00	10.0	225	5.0	THS	Smuts systems	773, 775, 795
94	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/11 21:10	9.5	225	5.1	THS	Smuts systems	773, 775, 795
95	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/11 21:20	9.8	226	4.8	THS	Smuts systems	773, 775, 795
96	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/11 21:30	11.7	221	4.6	THS	Smuts systems	773, 775, 795
97	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/11 21:30	10.6	220	4.3	THS	Smuts systems	773, 775, 795
98	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/11 21:40	10.5	219	4.1	THS	Smuts systems	773, 775, 795
99	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/11 21:50	9.5	220	4.1	THS	Smuts systems	773, 775, 795
100	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/11 22:00	10.1	227	4.2	THS	Smuts systems	773, 775, 795
101	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/11 22:00	9.3	227	4.4	THS	Smuts systems	773, 775, 795
102	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/11 22:10	9.8	228	4.3	THS	Smuts systems	773, 775, 795
103	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/11 22:30	5.7	226	4.6	THS	Smuts systems	773, 775, 795
104	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/12 04:30	5.7	228	5.0	THS	Smuts systems	778, 795, 800
105	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/13 14:00	5.2	216	3.5	THS	Smuts systems	779, 784, 795
106	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/16 09:30	5.2	223	7.1	THS	Smuts systems	787, 794, 795
107	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/16 10:00	5.1	227	6.4	THS	Smuts systems	787, 794, 795
108	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/16 11:30	5.1	211	5.3	THS	Smuts systems	787, 794, 795
109	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/16 20:00	6.2	206	0.9	THS	Smuts systems	787, 794, 795
110	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/16 20:20	13.2	190	1.0	THS	Smuts systems	787, 794, 795
111	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/16 20:30	11.9	181	1.0	THS	Smuts systems	787, 794, 795
112	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/16 20:30	5.7	180	1.1	THS	Smuts systems	787, 794, 795
113	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/17 04:00	5.4	218	2.5	THS	Smuts systems	781, 791, 795
114	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/18 23:20	10.4	225	5.0	THS	Smuts systems	786, 789, 795
115	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/18 23:30	9.6	224	4.6	THS	Smuts systems	786, 789, 795

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
116	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/18 23:50	10.8	223	5.1	THS	Smuts systems	786, 789, 795
117	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/19 00:00	11.9	223	5.8	THS	Smuts systems	788, 792, 795
118	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/19 00:00	9.2	225	5.4	THS	Smuts systems	788, 792, 795
119	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/19 00:30	5.3	230	4.6	THS	Smuts systems	788, 792, 795
120	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/19 03:00	5.5	214	4.0	THS	Smuts systems	788, 792, 795
121	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/23 02:30	5.1	208	1.0	THS	Smuts systems	793, 795, 797
122	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/24 00:30	8.1	59	1.3	THS	Smuts systems	795, 798
123	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/24 00:40	15.5	49	1.5	THS	Smuts systems	795, 798
124	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/24 14:30	5.1	215	5.6	THS	Smuts systems	795, 798, 810
125	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/24 18:30	5.3	225	4.2	THS	Smuts systems	795, 798, 810
126	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/27 02:30	24.4	211	0.4	THS	Boilers-coal operated.	805, 809, 813
127	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/27 02:30	23.4	215	0.6	THS	Boilers-coal operated.	805, 809, 813
128	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/27 02:40	26.3	220	0.8	THS	Boilers-coal operated.	805, 809, 813
129	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/27 02:50	19.6	215	0.8	THS	Boilers-coal operated.	805, 809, 813
130	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/27 03:00	15.9	238	1.3	THS	Boilers-coal operated.	805, 809, 813
131	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/27 03:00	20.9	219	0.8	THS	Boilers-coal operated.	805, 809, 813
132	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/27 03:10	19.8	169	0.6	THS	Boilers-coal operated.	805, 809, 813
133	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/27 03:20	27.0	240	0.5	THS	Boilers-coal operated.	805, 809, 813
134	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/27 03:30	22.9	245	1.1	THS	Boilers-coal operated.	805, 809, 813
135	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/27 03:30	16.9	221	0.9	THS	Boilers-coal operated.	805, 809, 813
136	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/27 03:40	17.4	221	0.8	THS	Boilers-coal operated.	805, 809, 813
137	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/09/27 03:50	10.6	192	0.7	THS	Boilers-coal operated.	805, 809, 813
138	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/27 04:00	5.5	118	0.5	THS	Boilers-coal operated.	805, 809, 813

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
139	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/28 16:30	5.3	221	4.5	THS	Boilers-coal operated.	803, 806, 813
140	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/29 00:00	6.3	220	4.0	THS	Boilers-coal operated.	802, 807,813
141	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/09/29 00:30	8.0	224	4.6	THS	Boilers-coal operated.	802, 807, 813
142	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/09/03 20:00	5.9	204	3.7	THS & Mondi	Smuts systems + Mondi unidentified cause	760, 763, 771
143	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/09/06 18:30	60.3	212	1.1	CoU	RBCAA allocation - sewage discharge	1, 809
144	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/09/06 18:40	106.1	194	1.0	CoU	RBCAA allocation - sewage discharge	1, 809
145	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/09/06 18:50	68.3	203	1.3	CoU	RBCAA allocation - sewage discharge	1, 809
146	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/09/06 23:30	8.6	No data	1.1	CoU	RBCAA allocation - sewage discharge	1, 809
147	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/09/06 23:40	13.1	No data	1.3	CoU	RBCAA allocation - sewage discharge	1, 809
148	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/09/06 23:50	10.1	8	1.3	CoU	RBCAA allocation - sewage discharge	1, 809
149	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/09/08 18:00	5.2	170	1.3	CoU	RBCAA allocation - sewage discharge	799, 809
150	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/09/12 17:30	5.2	No data	1.1	CoU	RBCAA allocation - sewage discharge	800, 1, 809
151	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/09/12 18:00	9.6	No data	0.1	CoU	RBCAA allocation - sewage discharge	800, 1, 809
152	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/09/12 18:00	7.7	No data	0.2	CoU	RBCAA allocation - sewage discharge	800, 1, 809
153	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/09/13 19:00	23.0	190	1.7	CoU	RBCAA allocation - sewage discharge	784, 1, 809
154	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/09/13 19:10	36.1	200	1.9	CoU	RBCAA allocation - sewage discharge	784, 1, 809
155	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/09/13 19:20	32.0	196	2.1	CoU	RBCAA allocation - sewage discharge	784, 1, 809
156	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/09/13 19:30	6.2	199	2.3	CoU	RBCAA allocation - sewage discharge	784, 1, 809
157	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/09/18 19:00	10.6	No data	No data	CoU	RBCAA allocation - sewage discharge	786, 1, 809
158	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/09/18 19:00	14.1	182	1.1	CoU	RBCAA allocation - sewage discharge	786, 1, 809
159	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/09/18 19:20	25.2	190	1.1	CoU	RBCAA allocation - sewage discharge	786, 1, 809
160	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/09/18 19:30	13.8	182	1.6	CoU	RBCAA allocation - sewage discharge	786, 1, 809
161	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/09/18 19:30	8.5	181	1.6	CoU	RBCAA allocation - sewage discharge	786, 1, 809

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
162	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/09/18 20:30	15.6	167	1.8	CoU	RBCAA allocation - sewage discharge	786, 1, 809
163	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/09/18 20:30	17.0	174	1.5	CoU	RBCAA allocation - sewage discharge	786, 1, 809
164	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/09/18 20:40	15.4	180	1.4	CoU	RBCAA allocation - sewage discharge	786, 1, 809
165	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/09/18 20:50	20.1	175	1.3	CoU	RBCAA allocation - sewage discharge	786, 1, 809
166	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/09/18 21:00	13.1	192	1.1	CoU	RBCAA allocation - sewage discharge	786, 1, 809
167	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/09/18 21:00	8.3	195	1.4	CoU	RBCAA allocation - sewage discharge	786, 1, 809
168	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/09/18 21:10	10.1	197	1.4	CoU	RBCAA allocation - sewage discharge	786, 1, 809
169	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/09/26 00:00	8.4	318	0.9	CoU	RBCAA allocation - sewage discharge	1, 809, 811
170	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/09/26 00:20	23.7	No Data	0.2	CoU	RBCAA allocation - sewage discharge	1, 809, 811
171	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/09/26 00:30	48.5	No Data	0.1	CoU	RBCAA allocation - sewage discharge	1, 809, 811
172	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/09/26 00:30	25.0	No Data	0.4	CoU	RBCAA allocation - sewage discharge	1, 809, 811
173	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/09/26 00:40	23.1	No Data	0.4	CoU	RBCAA allocation - sewage discharge	1, 809, 811
174	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/09/26 17:00	5.5	175	1.9	CoU	RBCAA allocation - sewage discharge	1, 809, 811
175	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/09/26 17:20	12.5	183	2.1	CoU	RBCAA allocation - sewage discharge	1, 809, 811
176	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/09/26 17:30	12.6	174	2.2	CoU	RBCAA allocation - sewage discharge	1, 809, 811
177	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/09/26 17:30	10.6	174	2.0	CoU	RBCAA allocation - sewage discharge	1, 809, 811
178	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/09/26 17:40	9.6	175	2.0	CoU	RBCAA allocation - sewage discharge	1, 809, 811
179	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/09/26 17:50	9.5	174	1.8	CoU	RBCAA allocation - sewage discharge	1, 809, 811
180	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/09/26 18:00	10.9	188	1.3	CoU	RBCAA allocation - sewage discharge	1, 809, 811
181	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/09/26 18:10	9.4	189	1.4	CoU	RBCAA allocation - sewage discharge	1, 809, 811
182	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/09/26 18:20	14.4	196	1.1	CoU	RBCAA allocation - sewage discharge	1, 809, 811
183	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/09/28 22:00	5.2	190	2.2	CoU	RBCAA allocation - sewage discharge	1, 809, 811
184	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/09/28 22:30	5.4	203	2.4	CoU	RBCAA allocation - sewage discharge	1, 809, 811

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
			October 2025						
1	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/10/05 22:00	7.0	350	1.3	THS	Boilers-coal operated.	814, 821, 826
2	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/10/05 22:20	15.5	321	1.1	THS	Boilers-coal operated.	814, 821, 826
3	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/10/05 22:30	16.5	7	1.2	THS	Boilers-coal operated.	814, 821, 826
4	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/10/05 22:30	8.5	358	1.1	THS	Boilers-coal operated.	814, 821, 826
5	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/10/12 07:00	6.1	32	1.2	Mondi	SETP	816 , 818, 1
6	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/10/23 05:30	12.4	16	2.4	Mondi	SETP	829 , 830
7	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/10/23 05:30	15.5	23	2.2	Mondi	SETP	829 , 830
8	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/10/23 05:40	20.6	25	2.0	Mondi	SETP	829 , 830
9	TRS 10-minute MECP Limit (9.3 ppb)	eSikhaleni	2025/10/23 05:50	13.6	30	2.2	Mondi	SETP	829 , 830
10	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/10/30 21:30	5.4	46	0.8	Mondi	SETP	834 , 835, 1
11	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/10/01 02:00	5.7	138	0.5	Mondi & THS	SETP + THS Boilers-coal operated.	808, 825 , 826
12	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/10/09 00:30	5.7	138	0.9	THS	Boilers-coal operated.	817, 820, 826
13	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/10/09 01:00	6.2	81	1.2	THS	Boilers-coal operated.	817, 820, 826
14	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/10/09 06:00	9.4	214	0.7	THS	Boilers-coal operated.	817, 820, 826
15	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/10/09 06:10	14.2	220	0.8	THS	Boilers-coal operated.	817, 820, 826
16	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/10/11 12:00	5.9	225	5.7	THS	Boilers-coal operated.	815, 819, 826
17	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/10/12 16:00	5.2	223	3.0	THS	Boilers-coal operated.	816, 818, 826
18	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/10/12 17:00	5.8	224	3.0	THS	Boilers-coal operated.	816, 818, 826
19	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/10/12 22:30	13.2	200	1.9	THS	Boilers-coal operated.	816, 818, 826
20	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/10/12 22:30	6.5	218	2.5	THS	Boilers-coal operated.	816, 818, 826
21	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/10/16 04:00	6.7	209	0.4	THS	Boilers-coal operated.	823, 824, 826
22	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/10/21 22:30	21.7	171	0.4	Mondi	SETP	827, 828

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
23	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/10/21 22:30	14.7	179	0.6	Mondi	SETP	827, 828
24	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/10/21 22:40	21.3	181	0.5	Mondi	SETP	827, 828
25	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/10/26 17:00	5.9	223	4.3	THS	Boilers-coal operated.	832, 833, 837
26	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/10/08 01:30	10.1	312	0.9	Mondi	Meteorology	822, 1
27	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/10/08 01:50	23.0	213	0.9	Mondi	Meteorology	822, 1
28	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/10/08 02:00	13.9	244	1.4	Mondi	Meteorology	822, 1
29	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/10/08 02:00	7.0	259	1.9	Mondi	Meteorology	822, 1
30	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/10/09 00:00	15.2	326	0.8	Mondi	Source of TRS unknown	820, 1
31	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/10/09 00:10	16.8	191	1.2	Mondi	Source of TRS unknown	820, 1
32	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/10/09 00:20	28.0	204	0.9	Mondi	Source of TRS unknown	820, 1
33	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/10/09 00:30	16.9	326	0.8	Mondi	Source of TRS unknown	820, 1
34	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/10/09 00:30	9.8	326	0.6	Mondi	Source of TRS unknown	820, 1
35	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/10/09 04:30	8.9	22	0.5	Mondi	Source of TRS unknown	820, 1
36	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/10/09 04:40	9.7	22	0.5	Mondi	Source of TRS unknown	820, 1
37	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/10/09 04:50	9.5	22	0.5	Mondi	Source of TRS unknown	820, 1
38	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/10/12 22:30	6.6	186	2.1	CoU	RBCAA allocation - sewage	816, 818, 842
39	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/10/16 04:00	16.5	43	0.8	Mondi	SETP	824, 1
40	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/10/16 04:00	13.3	43	0.3	Mondi	SETP	824, 1
41	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/10/16 04:10	14.8	43	0.1	Mondi	SETP	824, 1
42	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/10/16 04:30	5.9	43	0.4	Mondi	SETP	824, 1
43	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/10/16 05:00	15.2	276	0.7	Mondi	SETP	824, 1
44	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/10/16 05:00	26.2	201	1.1	Mondi	SETP	824, 1
45	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/10/16 05:10	40.3	193	1.3	Mondi	SETP	824, 1

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
46	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/10/16 05:20	23.1	215	1.3	Mondi	SETP	824, 1
			November 2025						
1	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/11/10 02:30	5.8	66	0.5	Local source	RBCAA Allocation	840, 841, 855
2	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/11/20 05:00	6.6	16	0.3	Mondi	SETP	844 , 845, 1
3	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/11/03 05:30	15.5	173	1.1	THS - Mondi	Boilers-coal operated + Mondi SETP	836, 838 , 839
4	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/11/03 05:40	15.8	174	1.2	THS - Mondi	Boilers-coal operated + Mondi SETP	836, 838 , 839
5	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/11/03 05:50	29.0	175	0.7	THS - Mondi	Boilers-coal operated + Mondi SETP	836, 838 , 839
6	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/11/03 06:00	16.0	116	0.9	THS - Mondi	Boilers-coal operated + Mondi SETP	836, 838 , 839
7	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/11/03 06:00	11.5	91	1.0	THS - Mondi	Boilers-coal operated + Mondi SETP	836, 838 , 839
8	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/11/03 06:10	10.8	70	1.2	THS - Mondi	Boilers-coal operated + Mondi SETP	836, 838 , 839
9	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/11/20 00:30	16.4	217	1.4	THS - Mondi	Boilers-coal operated + Mondi SETP	844 , 845, 847
10	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/11/20 00:50	40.6	233	1.5	THS - Mondi	Boilers-coal operated + Mondi SETP	844 , 845, 847
11	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/11/20 01:00	34.1	227	1.6	THS - Mondi	Boilers-coal operated + Mondi SETP	844 , 845, 847
12	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/11/20 01:00	15.1	212	1.4	THS - Mondi	Boilers-coal operated + Mondi SETP	844 , 845, 847
13	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/11/20 01:10	10.2	218	1.4	THS - Mondi	Boilers-coal operated + Mondi SETP	844 , 845, 847
14	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/11/20 20:20	9.7	164	0.4	THS - Mondi	Boilers-coal operated + Mondi SETP	844 , 845, 847
15	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/11/20 20:30	12.0	220	0.7	THS - Mondi	Boilers-coal operated + Mondi SETP	844 , 845, 847
16	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/11/20 20:30	14.0	200	0.6	THS - Mondi	Boilers-coal operated + Mondi SETP	844 , 845, 847
17	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/11/20 20:40	16.8	205	0.6	THS - Mondi	Boilers-coal operated + Mondi SETP	844 , 845, 847
18	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/11/20 20:50	13.2	165	0.5	THS - Mondi	Boilers-coal operated + Mondi SETP	844 , 845, 847
19	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/11/24 01:00	11.3	220	1.4	THS	RBCAA Allocation	848, 850, 855
20	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/11/24 01:00	7.5	224	2.2	THS	RBCAA Allocation	848, 850, 855
21	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/11/25 15:00	9.5	170	1.8	THS	Boilers-coal operated	849 , 851, 852

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
22	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/11/25 15:00	7.9	182	2.0	THS	Boilers-coal operated	849, 851, 852
23	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/11/27 01:50	9.5	186	0.9	Mondi	SETP	854, 855, 858b
24	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/11/27 04:00	11.7	240	1.5	Mondi	SETP	854, 855, 858b
25	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/11/27 04:00	7.6	213	0.0	Mondi	SETP	854, 855, 858b
26	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/11/29 18:30	6.0	185	2.8	THS	Boilers-coal operated	853, 859, 857
27	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/11/29 19:00	5.5	183	2.2	THS	Boilers-coal operated	853, 859, 857
28	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/11/18 00:00	9.8	284	0.9	CoU	Sewage discharge	843, 856
29	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/11/18 00:10	11.5	278	1.1	CoU	Sewage discharge	843, 856
30	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/11/18 00:20	17.2	No Data	0.2	CoU	Sewage discharge	843, 856
31	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/11/18 20:10	9.5	215	0.2	CoU	Sewage discharge	843, 856
32	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/11/20 02:30	8.5	No Data	0.5	CoU	Sewage discharge	844, 845, 856
33	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/11/20 02:40	14.4	No Data	0.7	CoU	Sewage discharge	844, 845, 856
34	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/11/21 21:30	5.5	-	0.2	Mondi	SETP	846, 1
35	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/11/21 21:50	14.8	-	0.2	Mondi	SETP	846, 1
36	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/11/21 23:00	8.6	206	1.1	Mondi	SETP	846, 1
37	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/11/21 23:10	11.8	207	1.2	Mondi	SETP	846, 1
38	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/11/27 03:30	7.4	329	0.9	CoU	Sewage discharge	856, 858b, 1
39	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/11/27 03:50	9.5	0	0.5	CoU	Sewage discharge	856, 858b, 1
40	TRS 10-minute MECP Limit (9.3 ppb)	Richardia	2025/11/27 04:00	15.2	0	0.0	CoU	Sewage discharge	856, 858b, 1
41	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Richardia	2025/11/27 04:00	9.3	0	0.5	CoU	Sewage discharge	856, 858b, 1
			December 2025						
1	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2025/12/13 01:30	5.9	42	1.2	Mondi	SETP	866, 867
2	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/12/02 17:10	10.0	158	1.7	Unresolved	Responded: Mondi, THS & Mpact	858, 860, 861

No	Target / Guideline / Standard	Station	DateTime	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
3	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/12/04 02:30	6.3	178	1.2	THS	Boilers-coal operated	862, 863, 868
4	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/12/04 02:50	11.0	189	1.3	THS	Boilers-coal operated	862, 863, 868
5	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/12/04 03:30	9.4	202	0.6	THS	Boilers-coal operated	862, 863, 868
6	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/12/04 03:30	6.4	226	1.0	THS	Boilers-coal operated	862, 863, 868
7	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2025/12/10 14:30	6.4	179	3.0	THS	Boilers-coal operated	864, 865, 869
8	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/12/10 14:50	11.1	177	2.1	THS	Boilers-coal operated	864, 865, 869
9	TRS 10-minute MECP Limit (9.3 ppb)	Felixton	2025/12/10 15:00	10.7	184	2.4	THS	Boilers-coal operated	864, 865, 869

Note: "MECP" refers to the Ontario Ministry of the Environment, Conservation and Parks; the criteria referenced are Ontario ambient air quality criteria for TRS.

Table 2: TRS Responses

Response	Industry Feedback
1	Unresolved / No Response
2	No response required / Allocated by wind direction
602	Mondi - Candice Webb responded, (2025/02/13 11:05): Mondi has investigated and identified the effluent treatment plant as the source of the odour. The mill was in the process of starting up the mill after a shut. Mondi is in the process of scoping a TRS improvement project associated with our effluent plant.
603	Mondi - Candice Webb responded, (2025/02/13 11:10): Mondi has investigated and identified the effluent treatment plant as the source of the odour. Mondi is in the process of scoping a TRS improvement project associated with our effluent plant.
604	Mondi - Candice Webb responded, (2025/02/13 11:14): Mondi has investigated and identified the effluent treatment plant as the source of the odour. This was due to human error resulting in B condensate discharged to drain. Mondi is in the process of scoping a TRS improvement project associated with our effluent plant.
605	Mondi - Candice Webb responded, (2025/02/13 11:21): Mondi has investigated and identified the effluent treatment plant as the source of the odour. Mondi is in the process of scoping a TRS improvement project associated with our effluent plant.
606	Mondi - Candice Webb responded, (2025/02/13 11:28): Mondi has investigated and identified the effluent treatment plant as the source of the odour. Mondi is in the process of scoping a TRS improvement project associated with our effluent plant.
607	Mondi - Candice Webb responded, (2025/02/13 11:32): Mondi has investigated based on wind direction and or low wind speed it is unlikely that Mondi is the source.
608	Mondi - Candice Webb responded, (2025/02/13 11:41): Mondi has investigated and identified the vacuum of the Non-condensable Gas system to be slightly positive pressure (0.1 kPa) where a negative pressure is required (-2kPa). Although there was no evidence of venting non-condensable gases, it is possible that during period of positive pressure odorous gases were released to atmosphere. a task team s working on addressing the problem.
609	Mondi - Candice Webb responded, (2025/02/13 11:48): Mondi has investigated and identified the vacuum of the Non-condensable Gas system to be slightly positive pressure (0.1 kPa) where a negative pressure is required (-2kPa). Although there was no evidence of venting non-condensable gases, it is possible that during period of positive pressure odorous gases were released to atmosphere. a task team s working on addressing the problem.
610	Mondi - Candice Webb responded, (2025/02/13 08:44): Mondi has investigated the exceedance below and identified the following root cause: The Environmental Manager investigated the morning of 03 Feb 2025 and noticed the vacuum of the Non-condensable Gas system to be slightly positive pressure (0.1 kPa) where a negative pressure is required (-2kPa). Although there was no evidence of venting non-condensable gases, it is possible that during period of positive pressure odorous gases were released to atmosphere. The Odour Abatement Task Team is working on identifying actions to resolve the issue.
611	RBCAA allocation 2025-02-13
612	Mondi - Kira Cobbold responded, (2025/02/21 08:58): Mondi has investigated the exceedance below and identified that based on wind speed and direction the Secondary Treatment Effluent Plant (SETP) was likely the root cause on the elevated TRS levels observed on 14/02/25. The Odour Abatement Task Team is working on identifying actions to resolve the issue and will provide an update in the next MANCO meeting.
613	Mondi - Kira Cobbold responded, (2025/02/21 08:54): Following an internal investigation, it was unclear the exact root cause of the elevated TRS levels recorded on 15/02/25. However, based on wind speed and direction at the time, it is likely that Mondi was the source. The Odour Abatement Task Team continues to meet bi-weekly to address our odour-related issues.
614	Mondi - Kira Cobbold responded, (2025/02/25 11:20): Following an internal investigation, we have identified the SETP as the root cause of the elevated TRS levels recorded on 23/02/25. This conclusion is supported by wind speed and direction, as well as an increase in TRS detected by Mondi's portable monitoring station currently located at clarifier 1 at the primary effluent treatment plant (across the road from SETP). The Odour Abatement Task Team continues to address this issue in its bi-weekly meetings, focusing on improving effluent management and reducing odour emissions.
615	Mondi - Kira Cobbold responded, (2025/02/26 12:50): Our investigation confirms that Mondi was the source of the elevated TRS levels recorded on 25/02/2025. This is supported by wind speed and direction, as well as our monitoring stations, which recorded elevated H ₂ S levels consistent with RBCAA data. The exceedances were caused by poor effluent quality, leading to increased odour emissions from the SETP. The TRS peaks align with the mills attempt to put the SETP back online after it was initially switched off to address odour complaints on 24/02/2025 evening. The shift coordinator noted the TRS increase at the CBD station and switched the SETP off again in each instance.
616	Mondi - Kira Cobbold responded, (2025/02/28 14:01): Our investigation confirms that Mondi was the source of the TRS (30 min and 10 min avgs) exceedances recorded on 27/02/2025, based on wind speed, direction, and corresponding increases in TRS levels at our monitoring stations. These exceedances have been linked to softwood (SW) blowdowns, which occurred in both the early morning and evening of the 27th. Additionally, SW venting through the carbon filter aligns with the odour complaint received at 22:48 in Veldenvlei yesterday evening. The Odour Abatement Task Team held a meeting today to discuss the above-mentioned issues, and corrective actions have been implemented.
617	Mondi - Kira Cobbold responded, (2025/03/05 08:09): Please use this as the response for the 30 min & 10 min avg. exceedances. Based on wind direction, wind speed, and elevated TRS levels recorded at Mondi's monitoring stations, we confirm that Mondi was the source of the exceedances (CBD and Richardia) on 28/02/2025. Our investigation has linked both the morning and evening exceedances to softwood (SW) blowdowns, which correlate with increased TRS levels observed in the old flare burning zone. Our odour abatement team continues to focus on this issue to mitigate future impacts.
618	Mondi - Kira Cobbold responded, (2025/03/05 08:28): Based on wind direction, wind speed, and elevated TRS levels recorded at Mondi's portable and Alton monitoring stations, we confirm that Mondi was the source of the exceedances on 01/03/2025 (10&30min avgs.). These exceedances are a continuation of the softwood (SW) blowdowns from the previous day. Given the very low wind speeds recorded, it is likely that the odour plume lingered in the

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	area, contributing to the exceedances. Our odour abatement team remains focused on addressing these events to minimize future occurrences.
619	Mondi - Kira Cobbold responded, (2025/03/05 10:46): Based on wind direction, wind speed, and elevated TRS levels recorded at the CBD monitoring station, Mondi is the likely source of the exceedances on 02/03/2025. At this stage, the root cause of these exceedances has not been identified. However, investigations are ongoing to determine potential contributing factors.
620	Mondi - Kira Cobbold responded, (2025/03/05 10:46): Based on wind direction and speed, as well as elevated TRS levels at the CBD and Hytec monitoring stations, Mondi is the likely source of the exceedances recorded in the early hours of 03/03/2025. These exceedances appear to be linked to those of the previous evening (02/03); however, the specific root cause has not yet been identified. Investigations are ongoing to determine potential contributing factors.
621	Mondi - Kira Cobbold responded, (2025/03/11 10:16): Based on wind direction and speed, as well as increased TRS levels recorded at Mondi's monitoring stations and the effluent stack, we have identified the root cause of the exceedances recorded on 08/03/2025 as poor effluent quality. It is possible that TRS was released into the atmosphere when the effluent reached the Secondary Effluent Treatment Plant (SETP), contributing to the observed exceedances. Our odour abatement task team continues to focus on improving effluent quality to mitigate such occurrences.
622	Mondi - Kira Cobbold responded, (2025/03/13 11:24): The TRS exceedances recorded at the CBD station on 12/03/2025 are attributed to over-pressurisation of the CPX tank. This likely resulted in some gases venting to the atmosphere or CPX entering the effluent system, correlating with the spike observed at the effluent H ₂ S stack. Corrective action has been implemented, and the task team is working on preventative measures to mitigate similar incidents in the future. More detail will be provided in the complaint feedback report once the final investigation has been completed.
623	Mondi - Kira Cobbold responded, (2025/03/14 13:21): The TRS exceedance recorded at the Felixton station on 13/03/2025 is unlikely to have originated from Mondi. This conclusion is based on the wind speed and direction at the time, stable operating conditions at the mill, and consistently low TRS levels at all Mondi monitoring stations prior to the exceedance.
624	Mpact - Maggie Odayar responded, (2025/03/25 10:23): Mpact has investigated the below TRS exceedance, and based on shift reports and plant conditions, there were no process conditions that could be the source of these exceedances.
625	Mondi - Kira Cobbold responded, (2025/03/26 09:08): The TRS exceedances recorded at the Felixton station on 20/03/2025 are unlikely to have originated from Mondi. Wind speeds were extremely low during the exceedance period, and all Mondi TRS monitoring stations recorded low levels.
626	Tongaat Hulett - Nicolas Govender responded (2025/03/31 16:02): TH is shut since December 2024 and factory cleaning was concluded in December. Effluent plant was stable with no abnormal activities conducted at the time. Wind direction was NNW to NNE as well, therefore it is unlikely to have been caused by TH.
627	Mondi - Kira Cobbold responded, (2025/04/03 08:23): The TRS exceedances recorded at the CBD station on 01/04/2025 are accepted by Mondi based on wind speed and direction. Mondi also observed increased TRS levels at the effluent stack, and with the mill undergoing a shutdown (1-3 April), it is likely that the exceedances are linked to lower effluent quality due to unstable mill conditions.
628	Mondi - Kira Cobbold responded, (2025/04/04 13:15): The TRS exceedances (30 & 10 mins) recorded at the Richardia station on 03/04/2025 are likely attributed to Mondi based on wind speed and direction. A spike in H ₂ S levels was also observed at the ground floor flame arrestor area, where gases were likely vented to the atmosphere due to instability surrounding Recovery Boiler 1 during that period. The team was aware of the elevated H ₂ S levels and managed to bring them back down again by 17:00
629	Mondi - Kira Cobbold responded, (2025/04/09 09:41): An investigation into the TRS exceedances recorded at the Felixton station on 07/04/2025 concluded that Mondi is unlikely to be the source. Wind direction was erratic throughout the period, with only partial alignment to Mondi as a potential contributor (northeast wind direction required). All point source emissions were within specification, and no elevated TRS levels were observed at other monitoring stations (particularly eSikhaleni and Mondi UVS stations), suggesting a potentially more localised source.
630	RBCAA allocation 2025-04-15
631	Mpact - Maggie Odayar responded, (2025/04/16 10:52): The TRS exceedances for the 7th of April was investigated. There were no abnormal conditions found that could have contributed to these exceedances. All processes were operating under steady state conditions.
632	Tongaat Hulett - Nicolas Govender responded (2025/04/16 11:45): Lines 2531 to 2537 for the TRS exceedance, TH is shut since December 2024 and factory cleaning was concluded in December. Effluent plant was stable with no abnormal activities conducted at the time. Wind direction was NW to NNE as well, therefore it is unlikely to have been caused by TH.
633	Mondi - Kira Cobbold responded, (2025/04/17 12:43): The TRS exceedances recorded on 14/04/2025 at the CBD station are attributed to a ruptured bursting disc on the non-condensable gas line to the flare. Corrective action was taken, and preventative measures put in place. The full investigation report addressing all associated odour complaints has been submitted to the relevant authorities.
634	Mondi - Kira Cobbold responded, (2025/04/23 12:47): The TRS exceedances recorded at the Richardia station on 16/04 occurred during a period when the mill was restarting following a major shutdown. Based on wind conditions, as well as elevated TRS levels recorded at both the Mondi mobile station and Hytec station prior to the exceedance, Mondi is the likely source. The root cause is attributed to unstable mill conditions during restart, resulting in odour being released from the secondary effluent treatment plant (SETP).
635	Mpact - Maggie Odayar responded, (2025/04/30 10:38): Mpact has investigated the exceedance on the 24th of April, around midnight. Based on shift reports and plant conditions there were no abnormal activities that could have caused the TRS exceedance. The operation was stable at the time.
636	Mpact - Maggie Odayar responded, (2025/05/06 12:55): Mpact has investigated the exceedance dated Sunday, 20th April 2025 and according to the shift reports, trends and logsheets there were no abnormal activities that during the time of the incident.

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	It is highly unlikely that Mpact is the source of the TRS exceedance.
637	Mpact -Traven Chetty responded, (2025/05/15 07:49): The plant shift reports for the 13th of May 2025 confirms that no upset conditions occurred that could have contributed to the exceedances of TRS. Wind directions at the time were not in favour of emissions from Mpact.
638	Mondi - Kira Cobbold responded, (2025/05/16 12:44): Mondi has investigated the TRS exceedance recorded on 13 May 2025 at 23:00 at the Felixton monitoring station and believes it is unlikely that Mondi was the source. At the time of the exceedance, wind speeds were below 1 m/s and the recorded wind direction does not align with Mondi as a likely source. All point source emissions were within their specifications, and TRS levels at all Mondi monitoring stations remained low throughout the day.
639	Mondi - Kira Cobbold responded, (2025/05/16 14:55): Mondi has reviewed the TRS exceedance recorded at the CBD monitoring station on 30/04/2025 at 02:30am and acknowledges that Mondi is the likely source based on wind direction and speed at the time. All Mondi monitoring stations recorded low TRS levels, and all point source emissions were within the AEL compliance limits. No specific root cause was identified during the investigation. Mondi continues to place strong focus on the NCG system, the SETP and effluent quality related odour. The Odour Abatement Task Team meets bi-weekly, and Power and Recovery Business Unit hosts a dedicated odour abatement meeting each week. These efforts are part of our ongoing commitment to reduce odour from Mondi's operations.
640	Mondi - Kira Cobbold responded, (2025/05/16 15:26): The TRS exceedance recorded at Richardia on 06/04/2025 occurred under low wind speed conditions with wind directions that do not align clearly with Mondi as the source. For this reason, Mondi believes they are unlikely the source. Additionally, all Mondi monitoring stations also remained on low TRS levels (as depicted in graph below - the marker has been placed at 18:32pm). We remain open to discussion should AIMS or RBCAA require further detail. Mondi - Candice Webb responded, (2025/06/26 10:56): Dear Sandy, I have reviewed the exceedances. Based on wind direction Mondi is the source. The TRS peak was most likely caused by a release of non-condensable gas, which aligned with a trip of gases out of the flare due to a build up of condensate in the system. The gases were returned to the flare and stabilised and condensate drained via the existing draining system. The draining system was opened for inspection in the shut on 15 April 2025 and found to be plugged with debris. The system was cleaned and returned to normal operation after the shut. Regular cleaning of the system has been added to a maintenance plan.
641	Mondi - Kira Cobbold responded, (2025/05/16 15:52):Mondi has investigated the TRS exceedances recorded at the Felixton monitoring station on 20/04/2025. Based on shifting wind directions and low wind speeds, Mondi could be a potential source, as these conditions may have contributed to odour lingering in the area. However, all Mondi monitoring stations recorded low TRS levels, and TRS stack emissions remained well within the AEL compliance limits. No specific root cause has been identified in investigations so far. The Odour Abatement Task Team continues to meet bi-weekly to drive improvements in odour management at Mondi.
642	Mpact -Traven Chetty responded, (2025/05/20 12:22): As per below exceedance, we have investigated this and our plant shift reports confirm that no upset conditions occurred on the 19/05/25 that could have contributed to the TRS exceedance. The wind direction at the time was not in favour of emissions from Mpact.
643	Tongaat Hulett - Nicolas Govender responded (2025/05/21 11:26): Lines 2546 to 2555, TH did have steam trials and commissioning happening the previous week. Nothing abnormal was noted that contributed to TRS. Effluent plant was stable with no abnormal activities conducted at the time. Wind direction was NW to NE as well, therefore it is unlikely to have been caused by TH. NOTE: This response was replaced for 702
644	Mondi - Kira Cobbold responded, (2025/05/21 15:48): Mondi has investigated the TRS exceedance recorded on 29 April 2025 at 02:30 at the CBD station. Based on the prevailing low speed winds and wind direction, together with an increase in TRS levels at the Mondi Hytec monitoring station before the exceedance, Mondi is considered the likely source. However, all point source emissions remained well within their compliance limits and no specific root cause could be identified. Mondi does acknowledge that odour related to the Secondary Effluent Treatment Plant (SETP) was experienced on 28 April 2025, however we cannot confirm that the exceedance on 29/04 was also SETP related. Our odour abatement task team continues to place a strong focus on managing all potential odour sources, particularly those related to the NCG system and SETP.
645	Mpact -Traven Chetty responded, (2025/05/21 15:50): "... we have investigated this and our shift reports confirm no upset conditions were experienced at the plant on 20/05/25 that could have contributed to this TRS exceedance. Furthermore, the wind direction at the time was not in favour of emissions from Mpact. "
646	Mondi - Kira Cobbold responded, (2025/05/21 15:57): Mondi has investigated the TRS exceedances recorded on 28 April 2025 at the CBD station. Based on wind data, together with slightly elevated TRS levels at the Mondi Hytec monitoring station before the exceedance, Mondi is considered the likely source. However, all point source emissions remained well within their compliance limits and no specific root cause could be identified. Mondi does acknowledge that odour related to the Secondary Effluent Treatment Plant (SETP) was experienced on the morning of 28 April 2025, however we cannot confirm that the exceedances on 28/04 evening were also SETP related. Our odour abatement task team continues to place a strong focus on managing all potential odour sources, particularly those related to the NCG system and SETP.
647	Mondi - Kira Cobbold responded, (2025/05/22 12:54):Mondi has investigated the TRS exceedances recorded at Felixton on 21 May 2025 where the strong southwesterly wind direction indicates Mondi is unlikely the source. All Mondi stack emissions were also found to be well within specification.
648	Mpact -Traven Chetty responded, (2025/05/22 14:33): We have investigated this and our daily shift reports confirm no upset conditions were experienced at the plant on 21/05/25 which could have contributed to this TRS exceedance. The wind direction was also not in favour of emissions from Mpact.
649	Mondi - Kira Cobbold responded, (2025/05/23 08:42): Mondi investigated the TRS exceedances recorded at Felixton on 24/04/2025. Due to very low wind speeds (<1 m/s) and an unfavourable wind direction (predominantly NW), Mondi is unlikely to be the source. Additionally, all Mondi monitoring stations remained at low levels and all stack emissions were well within their compliance limits.

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650	Mondi - Kira Cobbold responded, (2025/05/23 11:33): Mondi has investigated the TRS exceedance recorded at Felixton on 19/05/2025. Based on the wind speed and easterly/north easterly wind direction, Mondi is the likely source. At 12:26pm, a trip in the Lime Kiln burning zone resulted in NCGs being temporarily vented through the carbon filter. Gases were redirected to the RB1 flare and, once stable, routed back to the Lime Kiln for incineration. The carbon filter vent would have been a high-level odour source, which may explain why no Mondi ambient TRS monitoring stations recorded an increase. Mondi is currently developing a new burning zone management plan to reduce switching between NCG burning zones.
651	Mondi - Kira Cobbold responded, (2025/05/23 11:57): Mondi investigated the TRS exceedance recorded at eSikhaleni on 20/05/2025 and based on the wind speed and northerly wind direction, Mondi is a likely source. Increased H ₂ S levels were recorded at the effluent stack prior to the incident which suggests that odour may have been released from the Secondary Effluent Treatment Plant (SETP) causing the exceedance at eSikhaleni.
652	Mpact -Traven Chetty responded, (2025/05/27 15:12): Mpact has conducted an investigation into this exceedance and based on shift report and plant conditions, there were no abnormal activities on 26/05/25 and operation were stable. It is thus unlikely that Mpact is the source of this TRS exceedance.
653	Mpact -Traven Chetty responded, (2025/05/27 15:20): Mpact has conducted an investigation into this exceedance and based on shift reports and plant conditions, there were no abnormal activities/conditions on 26/05/25 and operation were stable during the time of this exceedance. It is thus unlikely that Mpact is the source of this TRS exceedance at the Felixton and eSikhaleni stations
654	Mpact -Traven Chetty responded, (2025/05/30 11:16): Our process plant shift reports indicated that the plant was running well and under stable conditions yesterday 29th of May 2025. Furthermore the wind direction was not in favour of emissions from Mpact for eSikhaleni and Felixton stations. Mpact -Traven Chetty responded, (2025/05/30 11:17): Based on our investigation, our process plant shift reports indicated that the plant was running well and under stable conditions yesterday 29th of May 2025. Furthermore the wind direction was not in favour of emissions from Mpact for eSikhaleni and Felixton stations.
655	Mondi - Kira Cobbold responded, (2025/06/02 11:22): Mondi has investigated the TRS exceedances recorded on 26 May 2025. The exceedances at Richardia and CBD are accepted based on wind direction data and alignment with four odour complaints received that evening. As a precaution, the Secondary Effluent Treatment Plant (SETP) was switched off, and all odour checklists were completed. However, the root cause of the odour has not yet been confirmed. Following a detailed investigation, Mondi suspects the odour may be due to a leak on the non-condensable gas (NCG) line. Although no evidence of a leak has been found so far, Mondi continues to monitor odour-generating plants and conduct regular walk-throughs of gas lines to locate any potential leaks. A full investigation report covering these complaints has been submitted to the RBCAA. Regarding the eSikhaleni and Felixton exceedances, Mondi believes it is unlikely to be the source due to the very low wind speeds and varying wind direction that does not favour Mondi as the likely source. Additionally, all point source parameters were found to be within specification before the exceedances occurred.
656	Mpact -Traven Chetty responded, (2025/06/02 14:09): Based on our investigation, our process plant shift reports indicated that the plant was running well and under stable conditions on 30th of May 2025. Furthermore the wind direction was not in favour of emissions from Mpact.
657	Mpact -Traven Chetty responded, (2025/06/02 14:14): Our process plant shift reports indicated that the plant was running well and under stable conditions on 30th of May 2025. Furthermore the wind direction was not in favour of emissions from Mpact.
658	Mpact -Traven Chetty responded, (2025/06/02 14:47): Our process plant shift reports indicated that the plant was running well and under stable conditions on 31th of May 2025. Based on our investigations, it is highly unlikely that Mpact would have contributed to the spike in TRS values.
659	Mpact -Traven Chetty responded, (2025/06/03 07:22): Our process plant shift reports indicated that the plant was running well and under stable conditions on 31th of May 2025. Based on our investigations, it is unlikely that Mpact would have contributed to this exceedance as the wind direction was also not in favour of emissions from Mpact.
660	Mondi - Kira Cobbold responded, (2025/06/02 14:58): Mondi has investigated the TRS exceedances recorded on 29 May 2025. Based on wind direction at the time, Mondi is considered a likely source of the eSikhaleni exceedances. However, no root cause has been identified as all Mondi weather stations remained on low levels and all point source parameters were within specification. Mondi is unlikely to be the source of the Felixton exceedances, as the wind direction at the time does not support Mondi as the origin. Mondi continues to conduct regular walk-throughs along the non-condensable gas (NCG) lines to check for possible leaks and is working closely with the odour abatement task team to improve odour management at the mill.
661	Mpact -Traven Chetty responded, (2025/06/03 08:44 & 08:46): We have investigated this exceedance and our process plant shift reports indicated that the plant was running well and under stable conditions on 1st June of 2025. Based on our investigations, it is unlikely that Mpact would have contributed to the spike in TRS values.
662	Mondi - Kira Cobbold responded, (2025/06/02 14:58): Mondi has investigated the exceedances that took place in Felixton on 31/05/25 and based on low wind speeds and westerly/north westerly wind direction blowing prior to the exceedances, believe that Mondi is unlikely the source. Additionally, all Mondi monitoring stations remained on low levels and all stack emissions remained well within their compliance limits.
663	Mondi - Kira Cobbold responded, (2025/06/03 12:00): The TRS exceedances that occurred in Felixton on 30/05/25 were unlikely due to Mondi based on wind direction. The exceedance that occurred in Richardia on 30/05/25 was likely due to Mondi based on wind speed and direction, as well as elevated TRS levels recorded at the Alton and portable Mondi stations prior to the

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	exceedance. Mondi has not identified a root cause for these exceedances as yet but continues to monitor our stations and dashboards closely in order to determine potential odour sources throughout the mill. Plant walks have also been conducted in order to locate any leaks on the non condensable gas line.
664	Mondi - Kira Cobbold responded, (2025/06/03 13:07): The TRS exceedances on 01/06/2025 have been investigated by Mondi. Based on very low wind speeds and an unfavourable wind direction, Mondi is unlikely the source for the five exceedances that occurred at Felixton. However, the exceedances that occurred at CBD and Richardia that evening, were likely due to Mondi based on the wind detail and the elevated TRS levels recorded at the Mondi Alton, Hytec and portable stations. Mondi has not identified a root cause but continues to closely monitor our stations and odour dashboards and conduct regular plant walks in order to locate any potential leaks on the non-condensable gas line.
665	Mpact -Traven Chetty responded, (2025/06/05 11:23 & 11:25): We have investigated this exceedance and our process plant shift reports indicated that the plant was running well and under stable conditions on 3rd June of 2025. There were no abnormal activities that could have contributed to this. Based on our investigations, it is unlikely that Mpact would have contributed to the spike in TRS values.
666	Mpact -Traven Chetty responded, (2025/06/06 10:52 & 10:56):We have investigated this matter and our process plant shift reports indicated that the plant was running well and under stable conditions on 4th of June 2025, there was no abnormal activities taking place as well. Based on our investigations, it is unlikely that Mpact would have contributed to this exceedance as the wind direction was also not in favour of emissions from Mpact (predominately blowing towards North Eastly direction).
667	Mpact -Traven Chetty responded, (2025/06/10 08:44 & 08:50): We have investigated this matter and our process plant shift reports indicated that the plant was running well and under stable conditions on 6th of June 2025, there was no abnormal activities taking place as well. Based on our investigations, it is unlikely that Mpact would have contributed to this exceedance.
668	Mpact -Traven Chetty responded, (2025/06/10 09:00 & 09:04):We have investigated this matter and our process plant shift reports indicated that the plant was running well and under stable conditions on 7th of June 2025, there was no abnormal activities taking place as well. Based on our investigations, it is unlikely that Mpact would have contributed to this exceedances on the morning of 07/06/25.
669	Mpact -Traven Chetty responded, (2025/06/10 10:44 & 10:47):An investigation was conducted on this exceedance and our process plant shift reports indicated that the plant was running well and under stable conditions on 8th of June 2025. No abnormal activities took place as well. Based on our investigations and review, it is unlikely that Mpact would have contributed to this exceedances on the early morning of 08/06/25.
670	Tongaat Hulett - Nicolas Govender responded (2025/06/10 15:41): Hi Sandy kindly see feedback below; Line 2576 - Effluent plant was withing normal operations, pH was within specs, therefore it is unlikely that TH contributed to the exceedance. There was also an East wind direction on the day. Line 2583 – 2584 ; Effluent was stable, the Factory was starting up with crushing season. There was no abnormal activities that may have caused these exceedances. Line 2586 to 2603; Effluent plant has been stable and trending very well with good pH's during this period, it is unlikely that TH contributed to these exceedances. Lines 2622 to 2631; Effluent plant has been stable and trending very well with good pH's during this period, it is unlikely that TH contributed to these exceedances. Wind direction was also noted to be N / NE. Lines 2632 to 2659; Boilers did experience abnormal conditions which included using more coal, this created an upset condition in the clarifiers. It is likely that TH contributed to these exceedances. If there is any further clarity required kindly contact us.
671	Mondi - Kira Cobbold responded, (2025/06/11 09:46): Mondi has reviewed the TRS exceedances that occurred on 4 June 2025. Based on the prevailing south-westerly wind direction at the time, Mondi is unlikely to be the source of the Felixton exceedances. Mondi is, however, considered a likely source of the CBD exceedances on 04/06, as well as the CBD exceedance that occurred on the evening of 03/06. This conclusion is based on the wind direction data and elevated TRS levels observed at the Mondi Hytec monitoring station. Although no specific root cause has been identified, the mill was experiencing unstable operational conditions during the time of the exceedances. Mondi continues to focus on improving the burning zone management to ensure all NCGs are safely and effectively incinerated.
672	Mondi - Kira Cobbold responded, (2025/06/11 10:33): As mentioned in the response for 04/06 TRS exceedances for CBD, Mondi is likely also the source for the CBD exceedance on 03/06 based on wind direction. The Felixton and eSikhaleni exceedances occurred during periods of very low and variable wind speeds, making source attribution difficult. The wind directions observed indicate that Mondi was unlikely the source of these exceedances (NW wind direction mostly). Additionally, all point source parameters at Mondi remained within specification.
673	Mondi - Kira Cobbold responded, (2025/06/11 12:01): Mondi is considered a likely source of the CBD exceedances on 09/06 based on wind direction and elevated TRS levels at Alton, Hytec, and portable stations. Four complaints were received between 19:40 on 8 June and 07:29 on 9 June, prompting a full investigation. A methanol leak was identified as a potential source and has been temporarily strapped pending repair in next shut opportunity. The full investigation report has been submitted to RBCAA. Mondi is unlikely to be the source of the eSikhaleni exceedance due to low wind speeds and the wind direction still mostly towards CBD direction (as seen by TRS increase at CBD) prior to the exceedance.
674	Mpact -Traven Chetty responded, (2025/06/11 14:17): An investigation was conducted on this exceedance and our process plant shift reports indicated that the plant was running well and under stable conditions on 9th of June 2025. No abnormal activities took place as well. Based on our investigations and review, it is unlikely that Mpact would have contributed to this exceedance at the eSikhaleni station.
675	Mpact -Traven Chetty responded, (2025/06/12 13:12): An investigation was conducted on this exceedance and our process plant shift reports indicated that the plant was running well and under stable conditions on 10th of June 2025. There were no abnormal activities took place as well. Based on our investigations and review of the wind direction as well, it is unlikely that Mpact would have contributed to this exceedance at the felixton station.

Response	Industry Feedback
676	Tongaat Hulett - Nicolas Govender responded (2025/06/11 16:15): The Effluent plant was withing normal operations, pH was within specs, therefore it is unlikely that TH contributed to the exceedance.
677	Mondi - Kira Cobbold responded, (2025/06/13 11:29): Mondi has investigated the following exceedances and based on the lower wind speeds, variable wind directions, and the SETP being offline prior to the exceedances, Mondi is unlikely the source. Additionally, Mondi monitoring stations remained on low TRS levels and all TRS stack emissions were within their compliance limits.
678	Mondi - Kira Cobbold responded, (2025/06/13 13:38): Mondi is considered the likely source of the CBD exceedances on 08/06 based on wind direction and elevated TRS levels at Alton, Hytec, and portable stations. Four complaints were received between 19:40 on 8 June and 07:29 on 9 June, prompting a full investigation. Methanol leaks were identified as a potential source and have been temporarily strapped until permanent repair in next shut opportunity. The full investigation report has been submitted to RBCAA. The Felixton exceedances occurred during a period of very low wind speeds in Felixton, however much greater wind speeds were observed at Brackenhams (closest station to Mondi). The wind direction at Brackenhams could indicate Mondi as a potential source (north easterly). All point source parameters were found to be within specification, however the exceedances were likely caused by the methanol leaks found during the investigation of the complaints. As stated, these leaks have been strapped and will be repaired in the next shut opportunity.
679	Mondi - Kira Cobbold responded, (2025/06/13 14:02): Based on the north easterly wind direction recorded at Brackenhams, Mondi could be considered a potential source for the exceedances at Felixton on 07/06. All point source parameters were found to be well within specification, however methanol leaks were identified as the root cause for odour complaints received on 08/06 which may have also potentially be the source of these exceedances. These leaks have been strapped and will be repaired in the next shut opportunity. Full investigation report has been submitted to RBCAA.
680	Mpact -Traven Chetty responded, (2025/06/18 11:17): An investigation was conducted on this exceedance and our process plant shift reports indicated that the plant was running well and under stable conditions on 13th of June 2025. No abnormal activities took place as well. Based on our investigations and review, it is unlikely that Mpact would have contributed to this exceedances on 13/06/25.
681	Mpact -Traven Chetty responded, (2025/06/19 10:54): An investigation was conducted on this exceedance and our process plant shift reports indicated that the plant was running well and under stable conditions on 14th of June 2025. Based on our investigations, review and wind direction, it is unlikely that Mpact would have contributed to this exceedances on the earlier morning of 14/06/25. It should be noted, that the effluent pipeline via UUW was undergoing maintenance on Saturday (14th June 2025) between the times of 07:00am to 15:00pm. During this time, we have discharged our wastewater into our effluent pond as a temporary measure and have returned to normal activities since. The exceedances experienced were outside the timeframe of this activity.
682	Mpact -Traven Chetty responded, (2025/06/19 11:02): Mpact has conducted an investigation on this exceedances and our process plant shift reports indicated that the plant was running well and under stable conditions on the evening of 17th of June 2025. There were no abnormal activities taking place. Based on our investigations and review, it is unlikely that Mpact would have contributed to this exceedances (eSikhaleni and Felixton) on the 17/06/25.
683	Mondi - Kira Cobbold responded, (2025/06/19 11:40): Based on the NNE wind direction recorded, Mondi is the likely source for the exceedances at eSikhaleni on 06/06. All point source parameters were found to be well within specification prior to the exceedances, however methanol leaks were identified as the root cause for odour complaints received on 08/06 which may have also potentially be the source of these exceedances. These leaks have been strapped and will be repaired in the next shut opportunity. The full investigation report has been submitted to RBCAA. The Odour Abatement Task Team continues to meet biweekly and has now introduced plant-specific walkabouts on alternating weeks to identify leaks or potential odour sources that may not be visible on monitoring dashboards.
684	Mondi - Kira Cobbold responded, (2025/06/19 11:40): Mondi has investigated the following exceedance at eSikhaleni on 13/06/25. No root cause has been identified, however, based on wind direction at Brackenhams, Mondi can be considered a potential source. All TRS stack emissions were well within their compliance limits and all Mondi monitoring stations remained on low levels.
685	Mpact -Traven Chetty responded, (2025/06/20 11:16): An investigation was conducted on this exceedance Esikhaleni station and our process plant shift reports indicated that the plant was running well and under stable conditions on 18th of June 2025. No abnormal activities took place during this time frame. Based on our investigations and review, it is unlikely that Mpact would have contributed to this exceedances on 18/06/25.
686	Mpact -Traven Chetty responded, (2025/06/23 09:17): Mpact has conducted an investigation on the exceedance at the Felixton station and our process plant shift reports indicated that the plant was running well and under stable conditions on 19th of June 2025. No abnormal activities took place during this time frame. Based on our investigations and review, it is unlikely that Mpact would have contributed to this exceedance on the morning of 19/06/25.
687	Tongaat Hulett - Nicolas Govender responded (2025/06/23 11:21): Kindly see responses below: Line 2576 – No abnormalities were noted at the effluent plant during this period, highly unlikely that TH contributed. Line 2583 to 2584 – The factory had just started up using coal, challenges were expected, TH may have contributed to exceedances. Line 2586 to 2603 – High volumes of smuts water was being generated, this may have contributed to the exceedances.

Response	Industry Feedback
	Lines 2622 to 2631 – High volumes of smuts water was being generated, this may have contributed to the exceedances. Lines 2632 to 2659 – The high volumes from clarifiers have impacted the effluent dams and caused the exceedances.
688	Tongaat Hulett - Nicolas Govender responded (2025/06/23 11:34): Lines 2665 - High volumes of smuts water was being generated, this may have contributed to the exceedances. Lines 2667 to 2671 - High volumes of smuts water was being generated, this may have contributed to the exceedances. Lines 2715 to 2733 - The high volumes from clarifiers have impacted the effluent dams and caused the exceedances.
689	Mondi - Candice Webb responded, (2025/06/23 13:30): Based on wind direction and process upsets Mondi is the most likely source of the TRS exceedances listed below. On Saturday 21 June, engineers identified irregularities in the methanol stripping process, which was resulting in flashing of odorous emissions off the CPX tank. Mondi has commenced with making necessary changes to improve the methanol stripper columns performance. However, this is a slow process and is taking longer than anticipated. Mondi will confirm with the RBCAA once the process is completed.
690	Mondi - Candice Webb responded, (2025/06/23 13:30): Based on wind direction and process upsets Mondi is the most likely source of the TRS exceedances listed below. On Saturday 21 June, engineers identified irregularities in the methanol stripping process, which was resulting in flashing of odorous emissions off the CPX tank. Mondi has commenced with making necessary changes to improve the methanol stripper columns performance. However, this is a slow process and is taking longer than anticipated. Mondi will confirm with the RBCAA once the process is completed.
691	Mpact -Traven Chetty responded, (2025/06/24 12:05): An investigation was conducted into these exceedances at the eSikhaleni station and the following was determined. The process plant reports for the 22/06/25, showed it was running well and under stable conditions, no abnormal activities took place. It was also noted that the wind direction is not in favour of emissions from Mpact. Based on this, it is unlikely that Mpact was the source of this exceedance.
692	Mpact -Traven Chetty responded, (2025/06/25 12:31): Mpact has conducted an investigation on the exceedance at the Felixton station and our process plant shift reports indicated that the plant was running well and under stable conditions on 23th of June 2025. No abnormal activities took place during this time frame. Based on our investigations and review, it is unlikely that Mpact would have contributed to this exceedance on the morning of 23/06/25
693	Mpact -Traven Chetty responded, (2025/07/01 11:01): An investigation was conducted on this exceedance and our process plant shift reports indicated that the plant was running well and under stable conditions on 27th of June 2025. There were no abnormal activities took place as well. Based on our investigations and review of the wind direction as well, it is unlikely that Mpact would have contributed to this exceedance at the felixton station on the early morning of the 27th June 2025
694	Mpact -Traven Chetty responded, (2025/07/01 15:55): An investigation was conducted on this exceedance and our process plant shift reports indicated that the plant was running well and under stable conditions on 29th of June 2025. There were no abnormal activities took place as well. Based on our investigations and review of the wind direction, it is unlikely that Mpact would have contributed to this exceedance at the Felixton station .
695	Mpact -Traven Chetty responded, (2025/07/04 12:50): Please take note, Mpact has conducted an investigation into this exceedance and our process plant shift reports indicated that the plant was stable and running well on 2 July 2025. There were no abnormal activities that took and based on our investigations, it is unlikely that Mpact would have contributed to this exceedance at the Felixton station.
696	Mpact -Traven Chetty responded, (2025/07/07 13:01): We have conducted an investigation into this exceedance and our process plant shift reports indicated that the plant was stable and running well on the morning of 3 July 2025. There were no abnormal activities that took place. The Wind Direction is also not in favour of this exceedance for Mpact. Therefore, it is unlikely that Mpact would have contributed to this exceedance at the Felixton station
697	Tongaat Hulett - Nicolas Govender responded (2025/07/07 16:19): Kindly see response below for TRS exceedances, Lines 2749 to 2815 – We had experienced some mechanical issues around the Smuts reticulation system over the past few weeks, this raised the TSS and sulphites in the clarifier / smuts water. This may have contributed to the exceedances. It must be noted that during this times there were no odours associated with the TRS exceedances recorded.
698	Mpact -Traven Chetty responded, (2025/07/08 13:58): Please take note, Mpact has conducted an investigation into this exceedance and our process plant shift reports indicated that the plant was stable and running well on 4th July 2025. There were no abnormal activities that took place, furthermore, the wind direction is also not in favour of emissions from Mpact. Based on our investigations, it is unlikely that Mpact would have contributed to this exceedance at the Felixton station.
699	Mpact -Traven Chetty responded, (2025/07/08 14:45):Mpact has conducted an investigation into these exceedances on 5th July 2025 and our process plant shift reports indicated that the plant was stable and running well. There were no abnormal activities that took place. Based on our investigations, it is unlikely that Mpact would have contributed to this exceedance at both Felixton and eSikhaleni stations
700	Mpact -Traven Chetty responded, (2025/07/14 15:42): We have conducted an investigation into the exceedances on 10th July 2025 between 7am and 8am. Our process plant shift reports indicated that the plant was stable and running well. There were no abnormal activities that took place. Based on our investigations, it is unlikely that Mpact would have contributed to this exceedance at the eSikhaleni station
701	Tongaat Hulett - Nicolas Govender responded (2025/07/15 12:48): This exceedance is related to the desludging at the effluent plant.
702	Tongaat Hulett - Nicolas Govender responded (2025/07/15 12:46): Note: Although Felixton Sugar mill has identified possible sources of TRS, which we are trying to resolve timeously. It must be noted that not all TRS exceedances will be related to this source or TH operations. Kindly see responses below,

Response	Industry Feedback
	Lines 2539 – 2545, effluent plant was stable, the mill operations had not resumed and therefore it is unlikely to have been caused by TH. Lines 2546 – 2555, although effluent plant operations were normal, we was busy with steam trails and commissioning so we may have contributed to these exceedances. Lines 2676 – 2685, We had issues with the B5 conveyor, we did burn coal whilst boilers were banked. This may have contributed to the exceedances. Lines 2810 – 2815, This maybe related to the desludging that is underway. Lines 2822 – 2838, TH was commissioning the desludging processes. This may have triggered the exceedances.
703	Tongaat Hulett - Nicolas Govender responded (2025/07/15 12:49 & 12:50): This exceedance is related to the desludging at the effluent plant.
704	Mpact -Traven Chetty responded, (2025/07/15 12:52): An investigation was conducted into these exceedances at the Felixton station and the following was determined. The process plant reports for the 12/07/25, showed it was running well and under stable conditions, no abnormal activities took place. It was also noted that the wind direction is not in favour or emissions from Mpact. Based on this, it is unlikely that Mpact was the source of this exceedance.
705	Mpact -Traven Chetty responded, (2025/07/15 13:00): An investigation was conducted into these exceedances at the Felixton station. The process plant reports for the 11/07/25, showed it was running well and under stable conditions, no abnormal activities took place. The wind direction is not in favour or emissions from Mpact as well. Based on this, it is unlikely that Mpact was the source of this exceedance.
706	Mondi - Kira Cobbold responded, (2025/07/15 15:00): Mondi has investigated the TRS exceedances (10- and 30-minute average) that occurred on 23 June 2025. Based on wind direction and elevated TRS levels recorded at Mondi stations, Mondi is considered a likely source. TRS was first detected at the Mondi Portable and Alton stations, located near the effluent plant. The south-westerly wind direction then carried the TRS plume toward Hytec and eventually to Richardia. A wind shift to north-easterly around 04:30 am likely contributed to further peaks observed at the UVS station and later at Felixton (see trend below). The mill was operating under stable conditions during the exceedances, with both hardwood and softwood gases stable and stack emissions within specification. However, two H₂S peaks were recorded at the effluent stack—at approximately 04:05 and 04:36 (8 and 11 ppm). Slightly elevated effluent temperatures were observed at the bleach plant between 12:00 and 04:00, and when coupled with high conductivity levels, are believed to have contributed to the TRS release. Given that all other point source parameters were within specification, Mondi suspects the release originated from the Secondary Effluent Treatment Plant (SETP) due to the effluent quality. The SETP was shut down at 04:52 am in line with standard downtime procedures, and TRS levels at Mondi stations returned to baseline by 06:21 am. The Odour Abatement Task Team continues to meet biweekly, as well as conduct biweekly walkabouts on alternate weeks in order to improve odour management at Richards Bay.
707	Mondi - Kira Cobbold responded, (2025/07/15 16:06): Mondi has investigated the following exceedances and, based on wind direction and elevated TRS levels recorded at the Mondi Alton station, Mondi is considered a likely source. Stack emissions were within compliance; however, elevated H ₂ S was recorded at the effluent stack prior to the exceedances at Richardia. This suggests the TRS release likely originated from the Secondary Effluent Treatment Plant (SETP).
708	Mondi - Kira Cobbold responded, (2025/07/16 15:57): Mondi has investigated the TRS exceedances that occurred at Felixton on 15/07/2025 and can be considered a potential source. An H₂S peak of 65.5 ppm was recorded at the effluent stack at 23:38, followed by a TRS peak of 5.9 ppb at the Mondi UVS station at 00:18, indicating the plume had moved in the direction of Felixton. The investigation identified a weak white liquor (WWL) tank overflow, which began at 16:20 on 14/07/2025, as the likely cause of the elevated H₂S levels. The overflow was due to a breakdown on Recovery Boiler 1, which disrupted liquor balance within the mill. Corrective actions were implemented by 13:10 on 15/07/2025, with the WWL tank overflow stopped by 13:19 once RB1 resumed receiving liquor. The root cause of the exceedances can therefore be attributed to TRS releases from the effluent plant as a result of the WWL overflow. Reducing WWL overflows remains a key focus area of Mondi's odour abatement strategy, as part of ongoing improvements to minimise odour impact
709	Mondi - Kira Cobbold responded, (2025/07/17 13:46):Mondi has investigated the TRS exceedances recorded at eSikhaleni and Felixton on 16/07/2025. Based on prevailing wind direction and elevated TRS levels observed at the Mondi UVS station, Mondi can be considered a potential source. An H₂S peak of 63.4 ppm was recorded at the effluent stack at 23:40, which may have contributed to the elevated levels recorded first at eSikhaleni and later at Felixton between 01:00 and 09:00. Low wind speeds during this period likely contributed to a lingering odour plume. From 18:12 onwards, several slightly smaller H₂S peaks were also recorded at the effluent stack, with the highest being 23 ppm at 18:53. These may have contributed to the exceedance observed at 22:00 when considered alongside the additional/more continuous H₂S released from effluent plant during this period. The likely root cause of the increased H₂S emissions was reduced effluent quality, resulting from elevated sodium losses due to Reject and Dump tank overflows. Corrective actions have since been taken, and tanks are no longer overflowing. Each business unit involved was requested to complete a deviation form.
710	Mondi - Kira Cobbold responded, (2025/07/18 10:48): Mondi has investigated the following exceedances and based on the south westerly wind direction Mondi is the likely source for the exceedance at CDB station. However, the south westerly wind direction indicates that Mondi is unlikely the source for the exceedances recorded at Felixton. The exceedance at CBD aligns with an increase in TRS recorded at Mondi Alton and portable stations, although no deviations were noted during this period. Mondi also received two odour complaints on the evening of 12 July 2025, where, after a full investigation was completed, the source of TRS was still unknown. The investigation report has been submitted to the RBCAA. Based on wind direction and ambient TRS it is evident that Mondi is the source. The Odour Abatement Task Team continues to conduct biweekly walkabouts with Technical and Operations to identify any unknown TRS sources. On alternate weeks, the team meets to review findings track corrective action and identify continuous improvement ideas for both plant, people and process conditions for odour management.
711	Mpact -Traven Chetty responded, (2025/07/18 11:18): We have conducted an investigation into these exceedances for the 16th July 2025. Our process plant reports show no abnormal activities and it was running under stable conditions. It is unlikely that Mpact was the source of this exceedance at both Esikhaleni and Felixton stations.

Response	Industry Feedback
712	Mondi - Kira Cobbold responded, (2025/07/18 11:37): Mondi has investigated the following TRS exceedance and based on wind direction Mondi is unlikely the source. The mill was operating under stable conditions, and all point source parameters were within specification.
713	Mondi - Kira Cobbold responded, (2025/07/18 13:20): Mondi has investigated the TRS exceedances recorded on 05/07/2025. Mondi can be considered a source based on wind direction. Small peaks were noted at the effluent stack however, remained below 10ppm in the periods leading up to the exceedances. No further deviations were noted during investigation and the mill was under stable conditions. Mondi monitoring stations remained on low levels and all stack emissions were well within their compliance limits. Therefore, root source of TRS remains unknown however the odour abatement task team continues to perform biweekly walkabouts in order to account for any unknown TRS sources.
714	Mondi - Kira Cobbold responded, (2025/07/18 15:28): Mondi has investigated the TRS exceedances recorded on 10/07/2025. Mondi can be considered a source based on wind direction. Some peaks were noted at the effluent stack however, do not align with the timings of the exceedances. No further deviations were noted during investigation and the mill was under stable conditions. Mondi monitoring stations remained on low levels and all stack emissions were well within their compliance limits. Therefore, root source of TRS remains unknown however the odour abatement task team continues to perform biweekly walkabouts in order to account for any unknown TRS sources.
715	Mpact -Traven Chetty responded, (2025/07/22 14:16): Mpact has conducted an investigation into these exceedances for the 18th July 2025 between 5am and 6am. Our process plant reports show no abnormal activities and it was running under stable conditions. It is unlikely that Mpact was the source of this exceedance at the Felixton station.
716	Tongaat Hulett - Nicolas Govender responded (2025/07/23 14:44): There was problems with bagasse feed to the boilers, B8 and B5 conveyors had chokes. The team used coal to sustain steam demand, this may have caused high sulphite in the clarifier water. The exceedances was caused by TH.
717	Tongaat Hulett - Nicolas Govender responded (2025/07/23 14:38): This exceedances was related to the desludging processes.
718	Mondi - Kira Cobbold responded, (2025/07/23 14:45): Mondi has investigated the following TRS exceedances and based on the south westerly wind direction Mondi is unlikely the source.
719	Tongaat Hulett - Nicolas Govender responded (2025/07/23 14:47 & 14:48): Due to the rainfall, which interrupts the supply of cane, the boilers used coal to sustain steam loads. This effects the quality of the smuts clarifiers water and may have caused the exceedances.
720	Mpact -Traven Chetty responded, (2025/07/23 15:22): Mpact has conducted an investigation into these exceedance for the 21th July 2025. Our process plant reports show no abnormal activities and it was running under stable conditions. It is unlikely that Mpact was the source of this exceedance at the eSikhaleni station.
721	Mpact -Traven Chetty responded, (2025/07/25 09:29): Mpact has conducted an investigation into these exceedance for the 22th July 2025. Our process plant reports show no abnormal activities. Our processes were running under stable conditions during these exceedance times. The wind direction is also not in favour of Mpact. It is unlikely that Mpact was the source of this exceedance at the felixton station.
722	Mpact -Traven Chetty responded, (2025/07/28 15:49): Mpact has conducted an investigation into these exceedances for the 24th July 2025. Our process plant reports show no abnormal activities which occurred during this time of the exceedances and it was running under stable conditions. Furthermore, desludging of the secondary clarifier took place between 07:00am and 16:00pm however this is outside the timeframe of these exceedances. Based on this, It is unlikely that Mpact was the source of these exceedances at the Felixton and eSikhaleni station.
723	Mpact -Traven Chetty responded, (2025/07/29 13:48): Mpact has conducted an investigation into these exceedance for the 25th July 2025. Our process plant reports show no abnormal activities. Our processes were running under stable conditions during these exceedance times. The wind direction is also not in favour of Mpact. It is unlikely that Mpact was the source of this exceedance at eSikhaleni and Felixton stations.
724	Mpact -Traven Chetty responded, (2025/07/29 13:53): Mpact has conducted an investigation into these exceedance for the 26th July 2025. Our process plant reports show no abnormal activities and was running under stable conditions during these exceedance times. It is unlikely that Mpact was the source of this exceedance below as the wind direction is also not in favour of Mpact.
725	Mpact -Traven Chetty responded, (2025/07/29 14:08): Mpact has conducted an investigation into these exceedance for the 27th July 2025. Our process plant reports show no abnormal activities and our processes were running under stable conditions. It is unlikely that Mpact was the source of this exceedance at the felixton station as the wind direction was also not in favour of emissions from Mpact.
726	Mondi - Kira Cobbold responded, (2025/07/30 09:47): Based on wind direction, Mondi can be considered a potential source for the exceedances that took place at eSikhaleni. Mondi also received a complaint at 09:52am on 25/07/25 in Veldenvlei which aligns with the change in wind direction between 9 and 10am. The root cause of the odour is still under investigation however a pressure indicator has since been installed on the methanol system and it does appear to be fluctuating between positive and negative pressure. This means the methanol plant may be over pressurised allowing odour to escape via small leaks. The odour abatement task team is now investigating possible root cause with the intention to address findings as soon as possible. Based on wind direction, Mondi is unlikely the source for the TRS exceedances that occurred in Felixton.
727	Mondi - Kira Cobbold responded, (2025/07/30 10:25): Mondi has investigated the TRS exceedance that took place at eSikhaleni on 29/07/25 and based on wind direction Mondi can be considered a potential source. Mondi monitoring stations remained on low levels and stack emissions were within their compliance limits. However, a fluctuating positive pressure has been observed on the methanol system (pressure transmitter installed 28/07) which could allow odour to escape via small leaks. The odour abatement task team is investigating possible root cause with the intention to address findings as soon as possible.
728	Mondi - Kira Cobbold responded, (2025/07/30 14:08): Mondi has investigated the following exceedances at Felixton and eSikhaleni and based on wind direction Mondi can be considered a potential source. The mill was stable at the time of the exceedances, and all stack emissions were within specification. Although no exact root cause has been identified, a fluctuating

Response	Industry Feedback
	positive pressure has since been observed on the methanol system (pressure transmitter installed 28/07) which could have been allowing odour to escape via small leaks. The odour abatement task team is investigating possible root cause with the intention to address findings as soon as possible.
729	Mpact -Traven Chetty responded, (2025/07/31 12:28): Mpact has conducted an investigation into the exceedance on the 29th July 2025. Our process plant reports show no abnormal activities and was running under stable conditions. It is unlikely that Mpact was the source of this exceedance at eSikhaleni station.
730	Tongaat Hulett - Nicolas Govender responded (2025/07/31 16:01): Please see feedback for TRS exceedances below. Lines 2927 – lines 2948 : the M4 smuts conveyor breakdown led to high volumes of smuts to effluent plant. This would have been compounded by the desludging process therefore we TH is responsible for the exceedances.
731	Mondi - Kira Cobbold responded, (2025/08/04 12:18): Mondi has investigated the following exceedances and based on wind direction can be considered a potential source. The mill was under stable conditions and stack emissions were within compliance limits, however, an increase in TRS was noted at the portable station from 20:00 in alignment with the wind direction change, indicating Mondi as the likely source. Although no root cause has been identified Mondi continues to walk the plant in order to identify any unknown TRS sources which may be contributing to the TRS exceedances observed.
732	Mpact -Traven Chetty responded, (2025/08/05 10:11): Mpact has conducted an investigation into the exceedance on the 01st August 2025. Our process plant reports show no abnormal activities and was running under stable conditions. The wind direction was also not in favour of Mpact. It is unlikely that Mpact was the source of this exceedance at Felixton station.
733	Mondi - Kira Cobbold responded, (2025/08/05 12:02): Mondi has investigated the exceedances at Felixton on 01/08 and based on the high wind speeds and south westerly wind direction Mondi is unlikely the source.
734	Mpact -Traven Chetty responded, (2025/08/06 14:35): Mpact has conducted an investigation into the exceedance on the 04th August 2025. Our process plant reports show no abnormal activities and was running under stable conditions. Furthermore, the wind direction was also not in favour of emissions from Mpact. It is unlikely that Mpact was the source of this exceedance at eSikhaleni station.
735	Mondi - Kira Cobbold responded, (2025/08/08 11:25): Mondi has investigated the following exceedances at Felixton station on 27/07 and based on the south westerly wind direction is unlikely the source. However, the wind direction does indicate Mondi as a potential source for the exceedance at Richardia on 27/07. The mill was stable at the time of the exceedance, and all stack emissions were within specification. Mondi Alton and portable stations did pick up fluctuating TRS levels with the shift in wind direction from south westerly to westerly/north westerly indicating Mondi as a likely source. Although no exact root cause has been identified, a fluctuating positive pressure has since been observed on the methanol system (pressure transmitter installed 28/07) which likely could have been allowing odour to escape via small leaks. The odour abatement task team is investigating possible root cause with the intention to address findings as soon as possible.
736	Mondi - Kira Cobbold responded, (2025/08/08 12:11): Mondi has investigated the following exceedance at eSikhaleni on 04/08 and based on the strong north easterly wind direction Mondi can be considered a potential source. The mill was stable at the time of the exceedance, and all stack emissions were within specification. Additionally, all Mondi monitoring stations remained on low TRS levels. Although no deviations were noted, a fluctuating positive pressure has been observed on the methanol system (pressure transmitter installed 28/07) which may be resulting in odour escaping via small leaks. The odour abatement task team continues to meet and investigate possible root cause with the intention to address findings as soon as possible.
737	Mondi - Kira Cobbold responded, (2025/08/08 12:21): Mondi has investigated the following exceedances and based on south westerly wind direction is unlikely the source. The mill was stable, and stack emissions were well within compliance limits.
738	Mpact -Traven Chetty responded, (2025/08/11 10:16): We have investigated this matter and our process plant shift reports indicated that the plant was running well and under stable conditions on 07th of August 2025, there was no abnormal activities taking place. Based on our investigations and the wind direction as indicated below, it is unlikely that Mpact would have contributed to this exceedance at the Felixton station.
739	Tongaat Hulett - Nicolas Govender responded (2025/08/11 18:53): Please allocate these to TH, we have been experiencing issues with the Delko bets within the smuts plant. Lines 2953 to 2957
740	Tongaat Hulett - Nicolas Govender responded (2025/08/12 08:18): Please allocate these exceedances TH, the Delko belts have been experiencing challenges in the Smuts plant.
741	Mpact -Traven Chetty responded, (2025/08/12 15:03): We have investigated this matter and our process plant shift reports indicated that the plant was running well and under stable conditions on 08th of August 2025, there was no abnormal activities taking place. Based on our investigations and the wind direction as indicated below, it is unlikely that Mpact would have contributed to this exceedance at the Felixton station.
742	Mpact -Traven Chetty responded, (2025/08/12 15:09): Mpact has conducted an investigation into the exceedances on the 09st August 2025. Our process plant reports show no abnormal activities reported and it was running under stable conditions. It is unlikely that Mpact was the source of these exceedances at Felixton station.
743	Mpact -Traven Chetty responded, (2025/08/12 15:13): Mpact has conducted an investigation into these exceedances for the 10th of August 2025. Our process plant reports show no abnormal activities. Our processes were running under stable conditions. The wind direction is also not in favour of Mpact. It is unlikely that Mpact was the source of this exceedance at the Felixton station.
744	Mpact -Traven Chetty responded, (2025/08/12 15:35): We have investigated this exceedance at the felixton station for the 11th of August 2025. All our plant process reports indicate stable conditions were experienced and no abnormal conditions were reported. To further this, the wind direction which indicates a South westerly wind, is not in favour of emissions from Mpact. Therefore, it is unlikely that Mpact is the cause of this exceedance.

Response	Industry Feedback
745	Tongaat Hulett - Nicolas Govender responded (2025/08/19 08:38): Kindly allocate the Felixton exceedances to TH, we have experienced issues with the filter belts which created high TSS in the smuts water.
746	Tongaat Hulett - Nicolas Govender responded (2025/08/19 08:39 & 08:40): Kindly allocate the Felixton exceedances to TH, we have experienced issues with the filter belts which created high TSS in the smuts water.
747	Mondi - Kira Cobbold responded, (2025/08/25 13:15): Mondi has investigated the TRS exceedances on 19/08/2025 which align with an odour complaint received at 17:20 in Veldenvlei, indicating Mondi as the likely source based on the wind direction shift to a south westerly. It was determined that the Recovery plant maintenance team was repairing a sealing water leak on one of the gas vacuum pumps. During the repair process the vacuum system tripped resulting in a loss of vacuum of the non-condensable gas system and release of odorous gases to atmosphere. The vacuum system was reinstated within 10 minutes. The full investigation report has been submitted to the RBCAA.
748	Mondi - Kira Cobbold responded, (2025/08/27 09:10): Mondi has investigated the following exceedances and based on wind direction is unlikely the source for the exceedances at Felixton. The wind direction does however indicate Mondi as a potential source for the exceedance at Richardia. This is confirmed by the elevated TRS levels recorded by the Mondi portable station. TRS stack emissions were within compliance limits however there was some instability within the mill which may have resulted in the release of TRS from the SETP.
749	Mondi - Kira Cobbold responded, (2025/08/27 09:32): Mondi has investigated the exceedances at Felixton on 11/08 and is unlikely the source due to wind direction. For the exceedance at Richardia, Mondi can be considered a potential source due to wind direction, coupled with lower wind speeds, and the increased TRS levels recorded at Mondi Hytec, Portable and Alton stations. Due to some instability surrounding the mill at the time, there is a potential that TRS was released from the SETP, contributing to the lingering odour plume.
750	Mondi - Kira Cobbold responded, (2025/08/27 10:21): Mondi has investigated the exceedances at Richardia on 22/08 and although wind direction was slightly off, Mondi can be considered a potential contributing source. Increased TRS levels were recorded by the Mondi portable station from 18:30 (time of first exceedance). No further deviations were noted during the time of the exceedances, with stack emissions being well within their compliance limits. Therefore, no exact root cause could be identified, especially for the magnitude of the exceedances, however Mondi can still be considered a potential contributing source based on elevated TRS levels and wind direction recorded.
751	Mondi - Kira Cobbold responded, (2025/08/27 10:40): Mondi has investigated the following TRS exceedance at Richardia on 23/08 and based on wind direction and elevated TRS recorded at Mondi Alton and Portable stations, can be considered a potential source. Stack emissions were within compliance limits, and no further deviations were noted. No exact root cause could be determined in this instance however the odour abatement task team continues to meet biweekly in order to drive improvements surrounding odour management at the mill.
752	Mpact -Traven Chetty responded, (2025/08/27 15:24): We have conducted an investigation into the exceedance at eSikhaleni station for the 25th August 2025. Our process plant reports show no abnormal activities and it was running under stable conditions. Based on the report below, the wind direction is not in favour of emissions from Mpact. It is unlikely that Mpact was the source of this exceedance.
753	Tongaat Hulett - Nicolas Govender responded (2025/08/28 07:44): Line 2964 – for TRS eSikhaleni may have been triggered by the TH desludging process at our Effluent treatment plant. Kindly allocate this to TH.
754	Mondi - Kira Cobbold responded, (2025/08/28 07:58): Mondi has investigated the TRS exceedance at Richardia on 19/08/2025 which aligns with an odour complaint received at 17:20 in Veldenvlei, indicating Mondi as the likely source based on the wind direction shift to a south westerly. It was determined that the Recovery plant maintenance team was repairing a sealing water leak on one of the gas vacuum pumps. During the repair process the vacuum system tripped resulting in a loss of vacuum of the non-condensable gas system and release of odorous gases to atmosphere. The vacuum system was reinstated within 10 minutes. The full investigation report has been submitted to the RBCAA.
755	Mpact -Traven Chetty responded, (2025/09/01 13:26): Mpact has investigated the exceedance for TRS on 28th August 2025. All process reports indicate the plant was running under stable conditions with no abnormalities to report. It is unlikely that Mpact has contributed to this exceedance of TRS at Felixton station.
756	Mpact -Traven Chetty responded, (2025/09/02 10:48): We have investigated this exceedance is regards to TRS on the 30th of August 2025. All process plant reports indicate our operations were stable with no abnormalities to report. Furthermore, the wind direction is not in support of emissions from Mpact. Therefore it is unlikely that Mpact is the source of this exceedance at the Felixton station.
757	Tongaat Hulett - Nicolas Govender responded (2025/09/02 16:06): THS investigated the exceedance, the effluent plant operations was stable with normal pH's and levels. Smuts plant and boiler operations was normal, therefore TH could have not contributed to the exceedance.
758	Tongaat Hulett - Nicolas Govender responded (2025/09/02 16:07 & 16:08): Kindly see response for Felixton exceedance, THS investigated the exceedance, the effluent plant operations was stable with normal pH's and levels. Smuts plant and boiler operations was normal, therefore TH could have not contributed to the exceedance. Kindly see response for Felixton and eSikhaleni exceedance, THS investigated the exceedance, the effluent plant operations was stable with normal pH's and levels. Smuts plant and boiler operations was normal, therefore TH could have not contributed to the exceedance.
759	Mpact -Traven Chetty responded, (2025/09/05 10:02): Mpact has investigate the exceedances on the 2nd of September 2025. All process plant reports indicate our operations were stable. There were no abnormal activities reported for the processes. Based on this, it is unlikely that Mpact is the source of these exceedances.
760	Mpact -Traven Chetty responded, (2025/09/05 10:05): Mpact has investigate the exceedances on the 3rd of September 2025. All process plant reports indicate our operations were stable, with no abnormalities. Based on this as well as the indicated wind direction (SW), it is unlikely that Mpact is the source of these exceedances.
761	Mpact -Traven Chetty responded, (2025/09/08 11:35): Mpact has investigated the exceedance at the Felixton station on the 04th of September 2025. All process plant reports indicates stable operations with no abnormal conditions to report. The wind direction (NE) does not support emissions from Mpact. Based on this, it is unlikely that Mpact is the source of this

Response	Industry Feedback
	exceedance.
762	Tongaat Hulett - Nicolas Govender responded (2025/09/08 14:13 & 14:14): Investigations indicate that the plant was running steadily with no abnormal occurrences that could have triggered the TRS exceedances. Effluent plant pH's and dam levels were also normal, the desludging processes have been concluded by the 22 August 2025.
763	Tongaat Hulett - Nicolas Govender responded (2025/09/08 14:47 & 14:48): Investigations did indicate that the smuts systems reported slightly elevated calcium and TSS levels, this may have contributed to the TRS exceedances.
764	Tongaat Hulett - Nicolas Govender responded (2025/09/08 15:01): Due to the smuts plant elevated calcium and TSS on the 3 September 2025, the ops team purged and flushed the clarifiers to the effluent plant. This may have caused an exceedance on the TRS.
765	Tongaat Hulett - Nicolas Govender responded (2025/09/08 15:18 & 15:21): We have scheduled a steam stop for the 08 September 2025, due to the abnormal operations in preparations to shut down higher levels of calcium was observed. This may have caused the TRS exceedances. Also note that we are still in the process of monitoring the experimental trials for the smuts water quality.
766	Mpact -Traven Chetty responded, (2025/09/09 13:12): Mpact has conducted an investigation into the exceedances on the 7th of September 2025. All plant process reports indicate that operations were stable and no abnormal conditions reported. Based on this, it is unlikely that Mpact is the source of these exceedances at both Felixton and eSikhaleni.
767	Mpact -Traven Chetty responded, (2025/09/12 07:41): We have conducted an investigation into the exceedances on 9th September 2025. All process plant reports indicate that our operations were stable and no abnormal conditions were reported. Furthermore, the wind direction for these exceedances do not support emissions from Mpact. Based on this, it is unlikely that Mpact is the source of these exceedances.
768	Mondi - Kira Cobbold responded, (2025/09/12 09:58): Mondi has investigated the following exceedances and based on wind direction and an odour complaint received at 22:35 in Arboretum, Mondi is considered the source for Richardia and potentially eSikhaleni TRS exceedances. The root cause of this exceedance is believed to be related to the NCG system, where the full investigation report has been submitted to the RBCAA. Based on wind direction Mondi is unlikely the source for exceedances at Felixton.
769	Mondi - Kira Cobbold responded, (2025/09/12 10:05): Based on the south westerly wind direction observed, Mondi is unlikely the source of TRS exceedances at Felixton on 30/08/2025.
770	Mondi - Kira Cobbold responded, (2025/09/12 10:40): Mondi has investigated the following TRS exceedances and based on extremely low wind speeds, and a varying wind direction that does not favour Mondi as the source, Mondi can be considered an unlikely source. Additionally, Mondi monitoring stations remained on low levels and all stack emissions were within specification. Mondi - Kira Cobbold responded, (2025/10/07 15:21): Mondi has reviewed the TRS exceedances that occurred at eSikhaleni on 02/09. Based on the very low wind speeds recorded, Mondi can be considered a potential source. Minor H ₂ S peaks were observed at the effluent plant the evening of 01/09 and early hours of 02/09 morning, which, with the low wind speeds may have accumulated and contributed to a lingering plume. Mondi therefore acknowledges that H ₂ S release from the Secondary Effluent Treatment Plant (SETP) was a possible contributor to the exceedance. The SETP was switched off from 04:00-07:00 as per daily procedure.
771	Mondi - Kira Cobbold responded, (2025/09/12 11:18): Mondi has investigated the following TRS exceedances and based on south westerly wind direction, Mondi is unlikely the source for exceedances at Felixton. Mondi can, based on wind direction, be a considered a potential source for the TRS exceedance at Richardia. Stack emissions were within specification, however Mondi portable and Hytec stations showed elevated TRS levels indicating Mondi as a potential source. No exact root cause could be identified, however, switching of non-condensable gas burning zones was observed at 13:48 and 18:17 which from recent learnings Mondi has discovered the line may be purging itself of residual gases when doing so. This may have contributed to a higher background odour and therefore the elevated TRS levels observed. Preventative measures for the possible odour released during switching burning zones will be determined once comprehensive investigation is complete.
772	Mondi - Kira Cobbold responded, (2025/09/12 11:45): Mondi has investigated the following TRS exceedances and based on wind direction, and the alignment with three odour complaints received between 07:00-10:00, Mondi can be considered the source for TRS exceedances seen at CBD station. Contributing factors include odour from the Secondary Effluent Treatment Plant (SETP) as well as switching of non-condensable gases between burning zones. It was identified that during switching events there is a potential release to atmosphere, as the system is designed to purge itself of any residual gases before switching to the new burning zone. Mondi is now investigating possible challenges with the system designed to handle the residual gases. The full investigation report has been submitted to the RBCAA. Mondi can be considered a potential source for the exceedance at Felixton based on wind direction and elevated TRS levels seen at Mondi UVS station. However, at this time gases were stable during incineration and no root cause could be identified.
773	Mondi - Kira Cobbold responded, (2025/09/12 13:25): Based on south westerly wind direction at time of exceedance Mondi is unlikely the source for TRS exceedances at Felixton on 11/09/2025.
774	Mondi - Kira Cobbold responded, (2025/09/12 13:59): Mondi has investigated the TRS exceedances at Felixton on 09/09 and based on wind direction is unlikely the source. All stack emissions were within their compliance limits and TRS levels at Mondi monitoring stations remained on low levels. Gases were stable for incineration.

Response	Industry Feedback
775	Mpact -Traven Chetty responded, (2025/09/15 10:59): Mpact has conducted an investigation into these exceedances for 11th September 2025. All process plant reports indicate operations were stable with no abnormal conditions reported. To further this, the wind direction does not support emissions from Mpact. Based on this, it is unlikely that Mpact is the source of these exceedances at the Felixton station.
776	Mpact -Traven Chetty responded, (2025/09/15 11:11): Mpact has conducted an investigation into the exceedance on 31st Aug 2025 at both Felixton and eSikhaleni stations. Upon review of the process plant reports, all operations were stable with no abnormal conditions reported. It is unlikely that Mpact is the source of these exceedances for both stations.
777	Mondi - Kira Cobbold responded, (2025/09/16 09:26): Mondi has investigated the following TRS exceedance at Felixton on 28/08 and based on elevated H ₂ S at Mondi's effluent stack, coupled with low wind speeds contributing to a lingering odour plume in the early hours of the morning, Mondi can be considered a potential source. Elevated effluent temperatures were observed over this period due to one of the heat exchangers used to cool Mondi effluent being offline for maintenance. This may have contributed to the additional release of H ₂ S from the SETP. The heat exchanger was brought back online on 13/09/25 and temperatures have returned below 56C once again.
778	Mpact -Traven Chetty responded, (2025/09/16 10:39): Mpact has investigated these exceedances on the 12th of September at eSikhaleni and Felixton stations. All process plant reports show operations were stable and no abnormal operations were reported. To further this, the wind direction does not support emissions from Mpact for both these stations. Based on this, it is unlikely that Mpact is the source of these exceedances.
779	Mpact -Traven Chetty responded, (2025/09/16 10:47): Mpact has investigated this exceedance on the 13th of September at the Felixton station. All process plant reports show operations were stable and no abnormal operations were reported. To further this, the wind direction does not support emissions from Mpact. Based on this, it is unlikely that Mpact is the source of this exceedance.
780	Mpact -Traven Chetty responded, (2025/09/17 10:49):Mpact has investigated these exceedances at eSikhaleni on the 15th of September 2025. All plant process reports indicate that operations were stable during this time. There were no abnormal conditions reported. The wind direction results also do not support emissions from Mpact. Based on this, it is unlikely that Mpact is the source of these exceedances.
781	Mpact -Traven Chetty responded, (2025/09/19 10:39):Mpact has investigated the exceedance on the 17th of September. Our process plant reports indicate that operations were stable with no abnormal conditions reported. To further this, the wind direction for this exceedance does not support emissions from Mpact. Therefore, it is unlikely that Mpact is the source of this exceedance at Felixton.
782	Mpact -Traven Chetty responded, (2025/09/19 10:43): Mpact has investigate the exceedances on the 5th of September 2025. All process plant reports indicate our operations were stable, with no abnormalities reported. Furthermore, the indicated wind direction (SW) does not support emissions from Mpact. Therefore, it is unlikely that Mpact is the source of these exceedances.
783	Mpact -Traven Chetty responded, (2025/09/19 10:49): We have investigated the exceedance on 6th September 2025 at Felixton. All process plant reports indicate that our operations were stable and no abnormal conditions were reported. Furthermore, the wind direction (SW) for this exceedance do not support emissions from Mpact. Therefore, it is unlikely that Mpact is the source of this exceedance.
784	Mondi - Kira Cobbold responded, (2025/09/19 12:13): Mondi has investigated the following exceedances. Based on the south-westerly wind direction at the time, Mondi is unlikely to be the source of the exceedance recorded at Felixton. Similarly, the wind direction prior to and during the exceedances at Richardia does not clearly indicate Mondi as the source. The mill was operating under stable conditions, with both HW and SW gases stable for incineration. The RBCAA did however notify Mondi of localised sewage issues near the Richardia station, which were likely contributors to the elevated TRS levels observed.
785	Mondi - Kira Cobbold responded, (2025/09/19 14:50): Based on south westerly wind direction Mondi is unlikely the source for TRS exceedances at Felixton on 05/09.
786	Mondi - Kira Cobbold responded, (2025/09/19 15:00): As communicated by the RBCAA, Mondi is unlikely the source of exceedances at Richardia based on wind direction and sewage odour complaints received by the RBCAA. Additionally, based on south westerly wind direction Mondi is unlikely the source for the exceedance at Felixton.
787	Mondi - Kira Cobbold responded, (2025/09/19 15:08): Mondi has investigated the following exceedances. Based on the wind shift to a south-westerly direction, Mondi is unlikely to be the source of the exceedances at eSikhaleni and Felixton from 09:00 onwards. However, Mondi may be considered a potential source of the TRS exceedances recorded at eSikhaleni at 00:00 (10- and 30-minute averages), given the north-easterly wind direction and elevated H ₂ S levels measured at the Mondi effluent plant stack. During this period, the mill was in shut conditions and lower effluent quality (higher conductivities) was observed, which may have contributed to an increased release of TRS from the SETP.
788	Mondi - Kira Cobbold responded, (2025/09/22 10:01): Based on the south westerly wind direction Mondi is unlikely the source of TRS exceedances at Felixton on 19/09.
789	Mpact -Traven Chetty responded, (2025/09/22 10:17): Mpact has investigated the exceedance on 18th September 2025 at the Felixton Station. All plant process reports indicate that operations were stable with no abnormalities reported. The indicated wind direction also does not support emissions from Mpact. Based on this, it is unlikely that Mpact is the source of this exceedance.
790	Mondi - Kira Cobbold responded, (2025/09/22 10:47): Mondi has investigated the TRS exceedances at eSikhaleni on 15/09 and, based on wind direction and mill shutdown conditions, acknowledges it may have been a contributing source. Elevated H ₂ S levels were recorded at the effluent plant stack, suggesting that lower quality effluent produced during the shutdown (15th-17th September 2025) may have led to additional H ₂ S release from the Secondary Effluent Treatment Plant (SETP). To manage both effluent compliance and the associated odour risks, Drain Management Plans (DMPs) are implemented by each business unit with approval of the Environmental Officer and the Production Manager of the effluent plant.
791	Mondi - Kira Cobbold responded, (2025/09/22 10:50): Based on south westerly wind direction Mondi is unlikely the source of the exceedance at Felixton on 17/09.

Response	Industry Feedback
792	Mpact -Traven Chetty responded, (2025/09/25 07:36): Mpact conducted an investigation into these exceedances on the 19th of September. All process plant reports indicated that operations were stable and no abnormal activities were reported. Based on the report below, the wind direction (SW) is also not in favour of emissions from Mpact. Therefore, it is unlikely that Mpact is the source of these exceedances at the Felixton.
793	Mondi - Kira Cobbold responded, (2025/09/25 08:00): Based on the southerly wind direction, Mondi is unlikely the source for the TRS exceedance at Felixton on 23/09.
794	Mpact -Traven Chetty responded, (2025/09/25 12:09): Mpact has conducted an investigation into these exceedances at Felixton and eSikhaleni on 16th of September. All process plant reports indicate operations were stable with no abnormalities. Based on this as well as the wind direction, it is unlike that Mpact is the source of these exceedances at both stations.
795	Tongaat Hulett - Nicolas Govender responded (2025/09/25 14:59): Lines 3036 to 3040 (eSikhaleni) - Investigations indicate that the plant was running steadily with no abnormal occurrences that could have triggered the TRS exceedances. Effluent plant pH's and dam levels were also normal. Lines 3042 to 3048 (eSikhaleni) - Higher levels of calcium and TSS was observed in the Smuts clarifier water. This was due to the unstable operations in the plant. This may have caused the TRS exceedances. Lines 3068 to 3071 (eSikhaleni) - Higher levels of calcium and TSS was observed in the Smuts clarifier water. This was due to the unstable operations in the plant. This may have caused the TRS Lines 3091 to 3103 (Felixton) - Higher levels of calcium and TSS was observed in the Smuts clarifier water. Usage of coal may also contributed to this. This may have caused the TRS exceedances. Lines 3111 to 3152 (Felixton) - During this period we had experienced multiple set backs in the operations, inconsistent operations leads to the boilers using coals, starting and stopping also contributes negatively to the smuts operations. Therefore it is likely that we did cause these exceedances.
796	Mondi - Kira Cobbold responded, (2025/09/26 09:25): Mondi has investigated the following TRS exceedance at eSikhaleni on 25/09 and based on wind speed and direction, stable operations with both HW and SW NCGs stable for incineration, and all Mondi monitoring stations on low levels, Mondi is unlikely the source. Mondi - Kira Cobbold responded, (2025/10/07 15:24): Mondi has reviewed the TRS exceedance that occurred at eSikhaleni on 25/09. Based on the very low wind speeds recorded, Mondi can be considered a potential source. Smaller H ₂ S peaks observed at the effluent plant may have accumulated in the presence of low wind speeds and contributed to a lingering plume. While the exact root cause remains unclear, Mondi acknowledges that H ₂ S release from the Secondary Effluent Treatment Plant (SETP) was a possible contributor to the observed exceedance.
797	Mpact -Traven Chetty responded, (2025/09/26 09:29): Mpact has investigated this exceedance on 23rd September 2025. All process plant reports indicate that operations were stable with no abnormal activities reported. It is further noted that the wind direction is not in favour of emissions from Mpact. Based on this, it is unlikely that Mpact is the source of this exceedance.
798	Mpact -Traven Chetty responded, (2025/09/26 09:34): Mpact has conducted an investigation into these exceedances on 24th September 2025. All process plant reports indicate that operations were stable with no abnormal activities reported. Furthermore, the wind directions indicated is not in favour of emissions from Mpact. Based on this, it is unlikely that Mpact is the source of these exceedances.
799	Mondi - Kira Cobbold responded, (2025/09/29 08:50): Mondi has investigated the TRS exceedance at Richardia on 08/09 and based on the shift in wind direction prior to the exceedance, stable operating conditions, and Mondi monitoring stations remaining on low TRS levels, Mondi is unlikely the source.
800	Mondi - Kira Cobbold responded, (2025/09/29 09:53): Mondi has investigated the following exceedances. Based on the south-westerly wind direction at the time, Mondi is unlikely to be the source of the exceedance recorded at Felixton. Similarly, the wind direction prior to and during the exceedances at Richardia does not clearly indicate Mondi as the source. The mill was operating under stable conditions, with both HW and SW gases stable for incineration. The RBCAA did however notify Mondi of localised sewage issues near the Richardia station, which were likely contributors to the elevated TRS levels observed. The exceedances recorded at eSikhaleni station were recorded during a period of very low wind speeds while the mill was operating under stable conditions. Mondi monitoring stations and the effluent plant stack remained on low levels, however it was noted that NCG burning zone was switched at 18:10 which potentially released some odour to atmosphere. This, combined with the low wind speeds may have been a contributing factor to the eSikhaleni exceedances. The odour abatement task team continues to investigate the NCG system and the switching of gases.
801	Mpact -Traven Chetty responded, (2025/09/29 15:51): Mpact has investigated this exceedance at Esikhaleni station on 25th September 2025. All process plant reports indicate that operations were stable and there was no abnormal activities reported. Based on this, it is unlikely that Mpact is the source of this exceedance.
802	Mondi - Kira Cobbold responded, (2025/09/30 08:20): Mondi has investigated the TRS exceedances at Felixton on 29/09 and based on wind direction is unlikely the source.
803	Mondi - Kira Cobbold responded, (2025/09/30 09:46): Mondi has investigated the exceedance at Felixton and based on the more southerly wind direction, Mondi is unlikely the source. Similarly, the wind direction prior to the exceedances at Richardia does not clearly indicate Mondi as a potential source. Additionally, Mondi monitoring stations remained on low TRS levels, stack emissions were within compliance limits, and both HW and SW gases were stable for incineration at the time of and prior to the exceedances.
804	Mpact -Traven Chetty responded, (2025/09/30 14:44): Mpact has investigated this exceedance on the 26th of September 2025. All process plant reports were reviewed and indicated that operations were stable and no abnormal conditions were reported. Based on this, it is unlikely that Mpact is the source of this exceedance at eSikhaleni.
805	Mpact -Traven Chetty responded, (2025/09/30 14:59): Mpact has investigated these exceedances at Esikhaleni and Felixton stations on 27th September 2025. All process plant reports were reviewed and indicated that operations were stable with no abnormal conditions reported. Based on this, it is unlikely that Mpact is the source of these exceedances.

Response	Industry Feedback
806	Mpact -Traven Chetty responded, (2025/09/30 15:11): We have investigated the exceedance on 28th September 2025 at Felixton station. All process plant reports were reviewed and indicated that our operations were stable and no abnormal conditions were reported. Furthermore, the wind direction (SW) for this exceedance do not support emissions from Mpact. Therefore, it is unlikely that Mpact is the source of this exceedance.
807	Mpact -Traven Chetty responded, (2025/10/01 12:32): Mpact has conducted an investigation into the exceedances on 29th September 2025 at Felixton station. All process plant reports were reviewed and indicated that our operations were stable and no abnormal conditions were reported. Furthermore, the wind direction (SW) for these exceedances do not support emissions from Mpact. Therefore, it is unlikely that Mpact is the source of these exceedances.
808	Mpact -Traven Chetty responded, (2025/10/03 12:38): We have conducted an investigation into this exceedance at Felixton on 1st October 2025. All plant process reports reviewed had indicated that operations were stable and there were no abnormalities reported. It is unlikely that Mpact is the source of this exceedance at Felixton station.
809	RBCAA Allocation -Sandy Camminga (2025/10/06 11:00)
810	Mondi - Kira Cobbold responded, (2025/10/06 12:14): Mondi has investigated the following exceedances and based on wind direction Mondi is unlikely the source of TRS exceedances at Felixton at 14:30 and 18:30. The exceedance at 00:30 was unlikely Mondi due to stable operating conditions with both HW and SW gases stable for incineration. Mondi monitoring stations remained on low levels and stack emissions were within their compliance limits. Based on wind direction, Mondi can be considered a potential source for the exceedances at CBD. At 04:38 NCG gases were switched between burning zones which may, with the low wind speeds at the time, have lingered for a period before eventually reaching CBD station as wind speed picked up around 06:45. It has been noted that during switching events there is the potential for some odour to be released as the line purges itself of residual gases. Mondi's odour abatement task team continues to investigate the NCG system with emphasis on stabilizing burning zones.
811	Mondi - Kira Cobbold responded, (2025/10/06 13:20): Mondi has investigated the TRS exceedances at Richardia and based on wind direction and the known sewage problem near Richardia station, Mondi is unlikely the source. Mondi can be considered a potential source for the exceedance at eSikhaleni based on wind direction and elevated TRS levels recorded at the Mondi UVS station. Gases were stable for incineration during this period and stack emissions were within compliance limits. Mondi's portable station also recorded slightly elevated TRS levels during this period which is situated near the effluent plant indicating odour may have been released from the SETP. This, combined with very low wind speeds may have contributed to the TRS exceedance observed at eSikhaleni. The SETP was switched off as per daily procedure between 04:00-07:00.
812	Mondi - Kira Cobbold responded, (2025/10/06 14:10): Mondi has investigated the following exceedances and based on wind direction, low wind speeds and elevated H2S levels recorded at the effluent plant, Mondi can be considered a potential contributing source. Mondi monitoring stations remained on low levels, with gases stable for incineration and stack emissions within specification. This indicates that the most likely source would be TRS released from the SETP due to lower quality effluent, although no exact root cause of what caused the elevated TRS could be identified (particularly for the magnitude of the exceedance). The SETP was switched off as per daily procedure between 04:00-07:00.
813	Tongaat Hulett - Nicolas Govender responded (2025/10/07 08:25): Kindly allocate to Felixton. The boilers experienced downtime on the scratcher during the period from 27 to 29th of September which affected supply of bagasse to the boilers. This resulted in burning of coal to maintain fires in the boilers. THS might have contributed to the TRS exceedances. The scratcher requires a steam off to be worked on and is being maintained today
814	Mpact -Traven Chetty responded, (2025/10/08 07:11): Mpact has investigated the exceedance at eSikhaleni on 5th October 2025. All process plant reports reviewed had indicated that operations were stable with no abnormal activities reported. It is unlikely that Mpact operations is the source of this exceedance.
815	Mondi - Kira Cobbold responded, (2025/10/13 13:49): Mondi has investigated the TRS exceedance at Felixton and based on high wind speeds and a south westerly wind direction, Mondi is unlikely the source.
816	Mondi - Kira Cobbold responded, (2025/10/14 11:24): Mondi has investigated the TRS exceedances at Felixton on 12/10 and based on wind direction at the time, Mondi is unlikely to be the source. For the exceedance at eSikhaleni, Mondi can be considered a potential contributor based on wind direction and slightly elevated TRS levels at Alton and UVS station (however remained <3.5ppb). At the time, gases were stable for incineration during normal operating conditions, with stack emissions within their compliance limits. Elevated drain conductivities were however observed, as well as increased TRS levels recorded by the portable station situated near the effluent plant, indicating the SETP as a potential source. This combined with low wind speeds may have contributed to the exceedance. For the exceedance at Richardia, Mondi is unlikely to be the source based on stable operations, Mondi monitoring stations on low levels, and a wind direction not entirely favouring Mondi as source. Additionally, the H2S levels at effluent plant remained on low levels. It is possible that the known sewage problems in close proximity to the Richardia station may be a potential contributor to this particular TRS exceedance.
817	Mpact -Traven Chetty responded, (2025/10/14 14:19): Mpact has conducted an investigation into the exceedance at Felixton station on the 9th of October 2025. All process plant reports have indicated that operations were stable and no abnormal conditions were experienced. Based on this, it is unlikely that Mpact is the cause of this exceedance.
818	Mpact -Traven Chetty responded, (2025/10/14 14:21): Mpact has investigated these exceedances on the 12th of October 2025. Based on our process plant reports, all operations were stable with no abnormal conditions. It is also noted that the wind direction doesn't not favour emissions from Mpact. Therefore it is unlikely that Mpact is the cause of these exceedances.

Response	Industry Feedback
819	Mpact -Traven Chetty responded, (2025/10/14 14:52): Mpact has investigated this exceedance on the 11th of October 2025 at Felixton. All process plant reports indicted stable operations with no abnormal conditions. The wind direction is also not in favour of emissions from Mpact. Based on this, it is unlikely that Mpact is the source of this exceedance.
820	Mondi - Kira Cobbold responded, (2025/10/16 15:24): Mondi has investigated the following TRS exceedances and based on wind direction is unlikely the source of exceedances at Felixton. For the exceedances at Richardia, Mondi can be considered a potential contributor based on very low speeds and elevated TRS levels recorded at Mondi Alton and portable stations. Seeing as though these stations are positioned near the effluent plant, and NCGs were stable for incineration with stack emissions within their compliance limits, it is possible that H2S was released from the SETP. Although no exact root cause could be identified for these exceedances, particularly for the magnitude of the earlier exceedances, it is possible that Mondi was a contributor.
821	Mondi - Kira Cobbold responded, (2025/10/16 16:05): Mondi has investigated the exceedances at eSikhaleni on 05/10 and based on stable operations with all Mondi monitoring stations on low levels, including H2S levels at the effluent plant, and a wind direction that does not clearly indicate Mondi as the source, Mondi is unlikely to be the source.
822	Mondi - Kira Cobbold responded, (2025/10/17 14:51): Mondi has investigated the exceedances at Richardia and based on wind direction and odour complaints received later that morning, can be considered a potential source. The time of the exceedances do not align with the timing of the eight complaints received from 06:00-09:00, however spikes at the Mondi Alton station indicate that Mondi may be a potential contributor to the exceedances. Regretfully, no root cause could be determined despite a detailed investigation taking place. Mondi will conclude a full inspection of the system during the annual shutdown which commences on 25 October 2025.
823	Mpact -Traven Chetty responded, (2025/10/20 11:19): Mpact has investigated this exceedance on the 16th of October 2025. All process plant reports indicated that operations were stable with no abnormal conditions experienced. Based on this, it is unlikely that Mpact is the source of this exceedance at the Felixton station.
824	Mondi - Kira Cobbold responded, (2025/10/21 09:02): Mondi has investigated and the exceedance at Felixton is unlikely Mondi based on wind direction. For the exceedances at Richardia, Mondi can be considered a potential source based on low wind speeds and elevated TRS at Mondi Alton and portable stations. These stations closely align with the release of TRS from the SETP, which considering the normal operating conditions, gases being stable for incineration, and stack emissions with specification, can be considered the mostly likely contributing source. The SETP was switched off from 02:00-07:00 on account of TRS peak at Alton station.
825	Mondi - Kira Cobbold responded, (2025/10/21 09:29): Mondi has investigated the TRS exceedance at Felixton on 01/10/25 and based on wind direction Mondi can be considered a potential source. The mill was under stable operating conditions, with gases stable for incineration, and stack emissions within specification. Therefore, TRS release from the SETP can be considered the most likely contributing source, which, when combined with the low speeds may have resulted in the exceedance observed.
826	Tongaat Hulett - Nicolas Govender responded (2025/10/21 16:13): The plant experienced multiple issues with the bagasse scratcher malfunction which resulted in burning of coal to sustain boilers. These abnormal operations were also exacerbated by plant shut down due to rain. The plant took a steam stop to conduct repairs on the scratcher.
827	Mpact -Traven Chetty responded, (2025/10/23 09:12): Please take note, Mpact operations was on a routine maintenance shut down on the 21st of October. There were no operations active at the paper machine and boiler house during this period. The effluent treatment plant was still in partial operation however, no abnormal activities took place during this time. It is therefore unlikely that Mpact is the source of this exceedance.
828	Mondi - Kira Cobbold responded, (2025/10/23 13:42): Mondi has investigated the TRS exceedances at Felixton on 21/10 and based on wind direction and low wind speeds, Mondi was potentially a contributing source. During this period gases were stable for incineration, monitoring stations remained on low levels, and stack emissions were within specification. It is however possible that some TRS was released from the SETP cooling towers, which, with the low wind speeds may have contributed to the observed exceedances.
829	Mondi - Kira Cobbold responded, (2025/10/24 10:46): Mondi has investigated the TRS exceedances at eSikhaleni on 23/10 and based on wind direction, Mondi may have been a contributing source. During this period gases were stable for incineration, monitoring stations remained on low levels, and stack emissions were within specification. Although no exact root cause could be identified, it is possible that TRS was released from the SETP if lower quality effluent was passing through the system. The SETP was switched off as per daily procedure between 05:00-07:00.
830	Mpact -Traven Chetty responded, (2025/10/28 10:34): Mpact has investigated this exceedance on the 23rd of October 2025. Mpact operations was on an emergency shut down during this time period. There were no operations active at the paper machine and boiler house during this period. The effluent treatment plant was still in partial operation however, no abnormal activities took place during this time that could have caused this exceedance. The wind direction is also not in support of emissions from Mpact. It is therefore unlikely that Mpact is the source of this exceedance.
831	Mondi - Kira Cobbold responded, (2025/02/26 08:21): Following an internal investigation, we have determined that Mondi was likely the source of the elevated TRS levels recorded on 24/02/2025, based on wind speed and direction at the time. The exceedances were traced back to poor effluent quality, which led to increased odour emissions from the SETP. The Odour Abatement Task Team continues to address this issue in its bi-weekly meetings, focusing on improving effluent quality to mitigate odour.
832	Mondi - Kira Cobbold responded, (2025/02/29 11:08): Mondi has investigated the H2S exceedance at Felixton on 26/10 and based on the south westerly wind direction Mondi is unlikely the source.
833	Mpact -Traven Chetty responded, (2025/10/28 10:34): Mpact has conducted an investigation into this exceedance on the 26th of October. All plant process reports indicate that operations were stable with no abnormal conditions experienced. Furthermore, the wind direction indicated is not in favour or emissions from Mpact. Based on this, it is unlikely that Mpact is the source of these exceedances.
834	Mondi - Kira Cobbold responded, (2025/10/31 15:48): Mondi has investigated the exceedance at eSikhaleni and based on wind direction, low wind speeds and a TRS peak at the Mondi portable station, Mondi can be considered a potential source. The mill is currently undergoing its annual shutdown with the only plant running being the SETP. This indicates that the mostly likely source would be from TRS release at the SETP.

Response	Industry Feedback
835	Mpact -Traven Chetty responded, (2025/11/03 11:52): Mpact has investigated the exceedance on the 30th of October 2025 at Esikhaleni Station. Based on our process plant reports, all operations were stable with no abnormal conditions reported. Therefore it is unlikely that Mpact is the cause of this exceedance.
836	Mpact -Traven Chetty responded, (2025/11/05 14:46): Mpact has investigated these exceedances at the Felixton station on the 3rd of November 2025. Based on the plant process reports, all operation were stable with no abnormal activities taking place. To further this, the wind direction is also not in favour of emissions from Mpact. Based on this, it is unlikely that Mpact is the source of these exceedances.
837	Tongaat Hulett - Nicolas Govender responded (2025/11/07 09:34): Boilers experienced downtime on the bagasse scratcher on this day resulting in bagasse conveyors choking and coal was used to sustain fires in the boilers.
838	Tongaat Hulett - Nicolas Govender responded (2025/11/07 09:03): The boiler were burning coal as the factory was boiling off for steam stop and bagasse level was low during this period.
839	Mondi - Kira Cobbold responded, (2025/11/07 14:40): Mondi has investigated the exceedance at Felixton and based on wind direction and low wind speeds Mondi can be considered a potential source. The mill is currently undergoing its annual shutdown with the only plant running being the SETP. This indicates that the mostly likely source would be from TRS release at the SETP.
840	Mpact -Traven Chetty responded, (2025/11/13 07:07): Mpact has investigated the exceedance on the 10 of November 2025 at eSikhaleni station. All plant process reports indicate that operations were stable with no abnormal conditions experienced. Based on this, it is unlikely that Mpact is the source of the exceedance.
841	Mondi - Kira Cobbold responded, (2025/11/13 10:45): Mondi has investigated the exceedance at eSikhaleni on 10/11/2025 and based on wind direction and the fact that the mill was completely shutdown for the Umgeni-uThukela Water Board outage from 8-10 November 2025, Mondi was unlikely the source.
842	RBCAA Allocation -Sandy Camminga (2025/11/16 18:06): WD: S
843	RBCAA Allocation -Sandy Camminga (2025/11/19 20:37): allocated to CoU Sewage Discharge, based on WS and the fact that Mondi is on an annual shut.
844	Mondi - Kira Cobbold responded, (2025/11/21 14:51): Mondi has investigated the TRS exceedances at Felixton and eSikhaleni on 20/11/2025 and based on wind direction and low wind speeds, Mondi can be considered a potential contributing source. The only odour generating plant running during this period was the SETP (all other plants offline due to annual shutdown) indicating the SETP as the only potential root cause. For the exceedance at Richardia, the wind direction did not favour Mondi as the source with only the Mondi UVS station showing elevated TRS levels (all other Mondi stations remained on low levels indicating a wind direction away from Richardia station). This exceedance may rather be linked to the municipal sewage issues located nearby the station.
845	Mpact -Traven Chetty responded, (2025/11/24 13:08): Mpact has investigated these exceedances on the 20th of November 2025. We can confirm all plant process reports indicated that operations were stable and there were no abnormal conditions experienced. The wind direction is also not in favour of emissions from Mpact. Based on this, it is unlikely that Mpact is the source of these exceedances.
846	Mondi - Kira Cobbold responded, (2025/11/24 14:42): Mondi has investigated the exceedances at Richardia on 21/11/25 and based on wind direction and very low winds speeds Mondi can be considered a potential source. Mondi portable station showed elevated TRS levels from around 10pm which is typically an indicator of odour released from the SETP as they are situated in close proximity to one another. Additionally, the SETP was the only odour generating plant running during this period (all other plants offline due to annual shutdown) confirming the plant as a potential source.
847	Tongaat Hulett - Nicolas Govender responded (2025/11/25 09:51): The boilers experienced a failure on the bagasse scratcher which supplies fuel to the boiler and coal was burnt to sustain fires in boiler.
848	Mondi - Kira Cobbold responded, (2025/11/25 11:31): Mondi has investigated the TRS exceedance at Felixton on 24/11/25 and based on the south westerly wind direction is unlikely the source. NOTE: Please note that was an error on the body of the email and the response refers to the exceedance on the 24th of November.
849	Tongaat Hulett - Nicolas Govender responded (2025/11/26 12:35& 12:36): "... allocate this exceedance to TH, this was due us starting up after the heavy rains. We did use coal to supplement the wet bagasse.
850	Mpact -Traven Chetty responded, (2025/11/26 12:59): Mpact has investigated this exceedance at Felixton station on the 24th of November 2025. All plant process reports indicate that operations were stable with no abnormal conditions experienced. It is also noted that the wind direction is not in favour of emissions from Mpact. Based on this, it is unlikely that Mpact is the source of this exceedance.
851	Mondi - Kira Cobbold responded, (2025/11/26 13:38): Mondi has investigated the TRS exceedance at Felixton on 25/11/25 and based on the southerly wind direction is unlikely the source.
852	Mpact -Traven Chetty responded, (2025/11/27 15:44): Mpact has investigated the exceedance at the Felixton station on the 25th of November 2025. Based on the plant process reports, all operation were stable with no abnormal activities taking place. To further this, the wind direction is also not in favour of emissions from Mpact. Based on this, it is unlikely that Mpact is the source of this exceedance.
853	Mondi - Kira Cobbold responded, (2025/12/01 10:14): Mondi has investigated the TRS exceedances at Felixton on 29/11/25 and based on the strong south westerly wind direction, Mondi is unlikely to be the source.
854	Mpact -Traven Chetty responded, (2025/12/01 15:47): Mpact has investigated this exceedance at Felixton station on the 27th of November 2025. All plant process reports indicate that operations were stable with no abnormal conditions experienced. Based on this, it is unlikely that Mpact is the source of this exceedance.
855	RBCAA Allocation - Sandy Camminga (2025/12/02 15:30)

Response	Industry Feedback
856	RBCAA Allocation - Sandy Camminga (2025/12/02 15:30): Authorities acknowledged the problem. Refer to: Department of Water and Sanitation – KZN- Ziyanda Malibiji responded (2025/09/29 16:22): The Department of Water and Sanitation is still awaiting the City's response on this matter. The overflow of untreated effluent from the sewer reticulation infrastructure pollutes or poses a threat to surface and underground water resources within the vicinity. Your attention is drawn to Section 19 of the National Water Act, 1998 (Act No.36 of 1998) which states: “(1) An owner of land, a person in control of land or a person who occupies or uses the land on which- (a) any activity or process is or was performed or undertaken; or (b) any other situation exists, which causes, has caused or is likely to cause pollution of a water resource, must take all reasonable measures to prevent any such pollution from occurring, continuing or recurring.” As such, the responsibility rests with the City of uMhlathuze Local Municipality to identify the source of pollution from its undertaking and to take appropriate measures to prevent pollution of the environment and water resources. Failure to comply with the requirements of the National Water Act, 1998 (Act No. 36 of 1998) could lead to legal action being instituted against the municipality. This Department wishes to make it clear that the instructions contained in my email dated 19 September 2025 are made in the interest of responsible water resource management and with a view to co-operative resolution of the issue. Looking forward to your response in this regard. CoU-DWS -Jackie Lourens responded (2025/09/29 16:22): Investigation and findings: The Electro-Mechanical maintenance team has conducted the investigation at the pump station for possible fault and diagnose the possible cause/s. The pump station is currently not operational, there is sewerage inside the pump station yard and the manhole at the entrance to the pump station is overflowing. Both pumps failed after the power supply interruption around the area. The following possibilities, that lead to pump failure, were not ruled out as part of the brainstorming methodology: - Sludge build up inside the pump station sump, - Type of pump installation used o Life span of the pumps version flygt 3300, new version flygt 3301 o MCC Panel condition, o Motor protection, - Overcurrent and inrush current in power supplies - Foreign and heavy objects entering into the sewerage system, - Load shedding by Eskom NOTE: Full report available
857	Mpact -Traven Chetty responded, (2025/12/02 15:11): Mpact has investigated the exceedance at the Felixton station on the 29th of November 2025. Based on the plant process reports, all operation were stable with no abnormal activities taking place. To further this, the wind direction is also not in favour of emissions from Mpact. Based on this, it is unlikely that Mpact is the source of this exceedance.
858b	Mondi - Kira Cobbold responded, (2025/12/03 08:02): Mondi has investigated the exceedances at Richardia and based on the predominantly north easterly wind direction, Mondi is unlikely the source. For the exceedance at Felixton, Mondi can be considered a potential source based on the north easterly wind direction and elevated TRS levels recorded at the Mondi portable station from 03:00. At this stage, the mill had not yet started up after annual shut, meaning the most likely contributor would have been TRS release from the SETP which is also supported by the spike in TRS levels at the portable station situated near the effluent plant. Mondi continues to monitor tank levels, drain conductivities and TRS levels closely while the mill is in startup phase.
858	Mondi - Kira Cobbold responded, (2025/12/03 14:15): Mondi has investigated the TRS exceedance at Felixton on 02/12/25 and based on the south easterly to southerly wind direction, Mondi is unlikely to be the source.
859	Tongaat Hulett - Nicolas Govender responded (2025/12/04 08:25): The boilers experienced a choke on B8 bagasse conveyor which resulted in coal usage to sustain fires in boilers.
860	Tongaat Hulett - Nicolas Govender responded (2025/12/04 08:26): Kindly see comment below for exceedance on TRS. Seems like our operations were stable at this time.
861	Mpact -Traven Chetty responded, (2025/12/04 11:05): Please note, Mpact operations was on an emergency shut down on the 2nd of December 2025. There were no operations active at the paper machine and boiler house during this time period. The effluent treatment plant was still in partial operation however, no abnormal activities took place during this time that could have caused this exceedance. It is therefore unlikely that Mpact is the source of this exceedance.
862	Mondi - Kira Cobbold responded, (2025/12/05 10:39): Mondi has investigated the TRS exceedances at Felixton on 04/12 and based on the south westerly wind direction is unlikely the source.
863	Mpact -Traven Chetty responded, (2025/12/08 14:18): Mpact has investigated the exceedances at the Felixton station on the 4th of December 2025. Based on the plant process reports, all operations were stable with no abnormal activities taking place. To further this, the wind direction is also not in favour of emissions from Mpact. It is therefore unlikely that Mpact is the source of this exceedance.
864	Mondi - Kira Cobbold responded, (2025/12/17 14:58): Mondi has investigated the TRS exceedances at Felixton on 10/12 and based on wind direction and speed is unlikely the source.

Response	Industry Feedback
865	Mpact -Traven Chetty responded, (2025/12/17 14:57): Mpact has investigated the exceedance at the Felixton station on the 10th of December 2025. Based on the plant process reports, all operations were stable with no abnormal activities taking place. To further this, the wind direction is also not in favour of emissions from Mpact. It is unlikely that Mpact is the source of this exceedance.
866	Mpact -Traven Chetty responded, (2025/12/17 15:09): Mpact has investigated this exceedance on the 13th of December 2025. We can confirm all plant process reports indicated that operations were stable and there were no abnormal conditions experienced. The wind direction is also not in favour of emissions from Mpact. Based on this, it is unlikely that Mpact is the source of these exceedance
867	Mondi - Kira Cobbold responded, (2025/12/17 15:58): Mondi has investigated the TRS exceedance at eSikhaleni and based on wind speed and direction, and elevated H2S levels recorded at the effluent stack at 12:20 am, Mondi can be considered a potential source. The mill was under normal operating conditions with gases stable for incineration in the Lime Kiln. Based on elevated drain conductivities and effluent stack H2S, the most likely release of TRS came from the SETP due to the generation of lower quality effluent from the process. By 12:54 am the H2S peak had returned to levels below 5 ppm
868	Tongaat Hulett - Nicolas Govender responded (2025/12/18 08:31): The factory was running at a slow rate which resulted in coal usage to supplement fuel to the boilers.
869	Tongaat Hulett - Nicolas Govender responded (2025/12/18 08:30): The boilers had to burn coal when boiler no.2 feeders were choking due to the poor cane preparation form worn out hammers as well as the sow crfushoing during that period.

